中国安美　安美中国



湖南南方安美消防设备有限公司

公司地址：长沙经开区泉塘街道西冲路45号
服务热线：+86-731-84091707
邮箱：nm-domestic@nanfang-pump.com
网址：www.nmfirepump.com

NM Fire Iran
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Sohrevardi Shomali St., TEHRAN, IRAN
Tel: +98 21 88735715
Fax: +98 21 88766252
Mob: +98 912 216 2509
Email: saman@ntt.ir

NM Fire Mexico
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Gustavo A. Madero,Ciudad de México, CP 07300
Mob: +52 1 (55) 7761 7703
Email: nmfiremexico@gmail.com

NM Fire Singapore
Add: No. 2 Pioneer Sector 1, Singapore 628414
Tel: +65 68611540
Mobile: +65 97112935 (Bernard Yeo)
Fax: +65 68611511
Email: byeo@chemline.com.sg

NM Fire Egypt
Add: 16 Naguib El Rihana Cairo
Tel: +20 2 2591 3277
Fax: +20 2 2590 0223
Egyptian Engineering Agencies
E-mail: kdayoub@eea-egypt.net

CNP NM Fire Fighting System Co.,Ltd
Add.: No.45 Xi Chong Road, Quan Tang Street, Changsha
ETDZ, Hunan, P.R. China
Tel: +86-731-84091707
Email: nm-overseas@nanfang-pump.com
Web.: www.nmfirepump.com

NM Fire -Africa
Add.: 13 Syringa Sands, Tugela Str , Glen Marais Kempton Park 1620
Po Box 836, Glen Balad Mall, Kempton Park 1620
Tel: 27 11 396 1115 / 27 82 315 1854(Jacques)
Email:
Renette : Accounts@nmfireafrica.com
Jacques: Jacques@nmfireafrica.com
Sales and Technical : Sales@nmfireafrica.com
Web:www.nmfirepump.com

NM Fire Brazil
Add: Rua João Roberto Thut, 495 - Bairro do Limão
São Paulo-SP - CEP: 02751-010
Tel: 113936.1544
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欢迎扫描，关注安美中国
官方网站，了解更多讯息

180201

数据仅供参考：如有修改，恕不通知。

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消防泵机组设备
Fire Pump Equipment



湖南南方安美消防设备有限公司
CNP NM FIRE FIGHTING SYSTEM CO., LTD

NMFIRE

LISTED FM APPROVED NFPA MEMBER 2017-2018 SETSCO CNPP

一流的产品生产设备与场地
First-class production equipment and workshop








公司简介

湖南南方安美消防设备有限公司（以下简称“南方安美”），是目前国内泵企中首家同时拥有美国UL、美国FM以及中国CCCF认证的企业，由南方中金环境股份有限公司控股。公司位于湖南省长沙经济技术开发区，主要以生产、销售符合国内、国际标准且具有相关国内、国际消防认证的柴油机消防泵组、电动机消防泵组、电气控制设备以及消防泵等。公司为NFPA美国消防协会会员企业，拥有一支具备二十多年全球领域消防设备研发经验的团队，其中包括多名外籍工程师及专家，现多种产品取得美国UL、FM、法国APSAD、新加坡 STESCO认证及中国CCCF认证。

公司以保障社会消防安全为己任，本着“诚信、共赢”的精神，愿为广大客户提供高质量、高性价比的产品和便捷、优质的服务。

Company Profile

CNP NM Fire-fighting System Co.,Ltd(Hereinafter referred to as NM Fire), is currently the first domestic pump enterprises at the same time with the UL, FM and China CCCF certification of enterprises, is the subsidiary of Nanfang Zhongjin Environment Co., Ltd, NM Fire is located in Hunan Changsha Economic and Technological Development Zone, mainly produce and sell Diesel engine & Motor driven fire pump groups , controllers and fire pumps which are in accordance with domestic & international standards and have gotten related certifications . NM Fire is the member enterprise of NFPA, the technical team consists of a number of engineers and foreign experts who have more than 20 years of experience in research and development for global fire-fighting equipments. There are several models have gotten UL,FM(America), APSAD(France), Setsco(Singapore)certificates, China CCCF certificates.

NM Fire is to protect the community fire safety, in line with the spirits of “integrity, win-win”, glad to provide high cost-effective products and high-quality service for our customers.

一流的国际技术标准产品
First – class international technical standards

CERTIFICATE OF COMPLIANCE

Certificate Number 20170914-EX26748
Report Reference EX26748-20160825
Issue Date 2017-SEPTEMBER-14

Issued to: CNP NM FIRE FIGHTING SYSTEM CO LTD
Factory Area of CNP Changsha Co Ltd
No.45 Xi Chong Road
Quan Tang Street, Changsha ETDZ
Changsha
Hunan 410100 CHINA

This is to certify that representative samples of CENTRIFUGAL FIRE PUMPS, SPLIT CASE
Models: SCF125-80-350G, SCF150-100-320, SCF200-125-300, SCF200-125-380, SCF200-150-460, SCF250-200-430, SCF300-250-490

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL448, Standard for Centrifugal Fire Pumps for Fire Protection Service
ULC/ORD-C448, Guide for the Investigation of Pumps for Fire Protection Service

Additional Information: See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.

Bruce Mahrenholz, Director North American Certification Program
UL LLC

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CERTIFICATE OF COMPLIANCE

Certificate Number 20171211- EX27431
Report Reference EX27431-20170728
Issue Date 2017-DECEMBER-11

Issued to: CNP NM FIRE FIGHTING SYSTEM CO LTD
Factory Area of CNP Changsha Co Ltd, No.45 Xi Chong Road, Quan Tang Street, Changsha ETDZ, Changsha Hunan 410100 CHINA

This is to certify that representative samples of CENTRIFUGAL FIRE PUMPS, END SUCTION
Centrifugal Fire Pumps, End Suction, Single Stage.
All models are intended for installation with the shaft in the horizontal position.
Models: ESF 50/26, ESF 50/26, ESF 65/26, ESF 65/26, ESF 65/26, ESF 65/26, ESF 80/26, ESF 80/26, ESF 50/20, ESF 50/20, ESF 50/20, ESF 50/20, ESF 65/20, ESF 65/20, ESF 65/20, ESF 65/20, ESF 65/20, ESF 65/20, ESF 65/20, ESF 65/20, ESF 65/20, ESF 80/20, ESF 80/20, ESF 80/20, ESF 80/20.

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 448 - Pumps for Fire-Protection Service
ULC/ORD-C448 - Guide for the Investigation of Pumps for Fire Protection Service

Additional Information: See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.

Bruce Mahrenholz, Director North American Certification Program
UL LLC

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一流的国际技术标准产品
First – class international technical standards

CERTIFICATE OF COMPLIANCE

Certificate Number	20171214-EX26721
Report Reference	EX26721-20171212
Issue Date	2017-DECEMBER-14
Issued to:	CNP NM FIRE FIGHTING SYSTEM CO LTD Factory Area of CNP Changsha Co Ltd No.45 Xi Chong Road Quan Tang Street, Changsha ETDZ Changsha, Hunan 410100 CHINA
This is to certify that representative samples of	INTERNAL-COMBUSTION ENGINES FOR DRIVING STATIONARY FIRE PUMPS Diesel engines for driving stationary fire pumps, models NM6-114, NM6-128 Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.
Standard(s) for Safety:	UL 1247, Diesel Engines for Driving Stationary Fire Pumps ULC C448A, Guide for the investigation of diesel engine for driving centrifugal fire pumps
Additional Information:	See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.

Bruce Mahrenholz, Director North American Certification Program

UL LLC

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消防柴油机的技术十分复杂，要对普通柴油机许多专业改装才能达到消防柴油机的要求。而UL1247消防柴油机标准，就是预先设定最苛刻的条件，如果消防柴油机在这些极端工况下能够正常工作，就能够证明其高“可靠性”；

Fire diesel engine technology is very complicated, too many professional diesel refitting to achieve the fire diesel engine requirements. The UL1247 fire diesel engine standard is pre–set the most demanding conditions, if the fire diesel engine in these extreme conditions to work properly, it can prove its high "reliability";

FM APPROVED

Certificate of Compliance

This certificate is issued for the following:

Centrifugal Fire Pumps
(Axial Split-Case Type)

SCF150-100-320, SCF200-125-300, SCF200-125-380
SCF200-150-460, SCF250-200-430, SCF300-250-490

Prepared for:

CNP NM Fire Fighting System Co Ltd
No 45 Xi Chong Road
Quan Tang Street
Changsha 410100
China

FM Approvals Class: 1311

Approval Identification: 3058200 Approval Granted: March 24, 2017

To verify the product continues to be Approved please refer to www.approvalguide.com.

Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, an online resource of FM Approvals.

David B. Fuller
ABP, Manager of Fire Protection
FM Approvals
1151 Boston-Providence Turnpike
Norwood, MA 02062 USA

Page 1 of 2

FM Approvals







湖南南方安美消防设备有限公司是中国泵行首家美国消防协会（NFPA）的成员企业，在同时取得消防泵产品UL、FM国际消防认证之后，又取得了NFPA20系统中，技术难度最高的消防专用柴油机的UL认证，成为中国第一家取得消防专用柴油机国际消防认证的企业，打破了欧美品牌近百年来对认证产品全球市场的长期垄断。南方安美以保障人民生命财产安全为使命，致力于提升中国消防技术研究水平，按照世界一流的技术标准，制造安全、可靠的消防产品，以满足中国经济高速发展的要求，并成为“一带一路”中许多项目的首选合作伙伴。

NM FIRE FIGHTING SYSTEM COL.,LTD is the first member of NFPA American Fire Protection Association from China pump's manufacturers, and won the UL, FM international fire certification for fire pump products. Since then, the fire pump products have been equipped with UL Listed And FM Approved Certificate, breaking the brand in Europe and America over the past century for the long–term monopoly of certified products global market. NM FIRE to protect people's lives and property for the mission, is committed to improving China's fire technology research level, in accordance with world–class technical standards, to produce reliable fire products to meet China's rapid economic development requirements,And become "The Belt and Road" preferred partner for many projects.

一流的产品测试检验设备
First-class testing and inspection equipment





UL授予南方安美UL448消防泵及UL1247消防柴油机的认可目击测试实验室资质，标志着南方安美在消防泵和消防柴油机领域的实验能力提升到新的高度，也意味着消防泵和消防柴油机进行测试时，可在UL工程人员的辅助下,在自己实验室进行相关标准的测试工作，这将显著提高产品认证效率和研发效率，对公司的产品研发和市场开拓具有重要意义。

南方安美成为中国首家同时拥有基于UL448消防泵和UL1247消防柴油机的认可目击测试实验室资质的企业，该资质的获得充分说明了UL对南方安美消防产品技术研发实力的高度认可，标志着南方安美对上述相关产品的检测能力已达到国际领先水平。









NM FIRE obtained fire pump UL448 and fire diesel engine UL1247 witnessed laboratory qualification, marked the test capability of fire pump and fire diesel engine enhanced to a new standard, which also means that for fire pump and fire diesel engine test, we can carry out the test of relevant standards in our own laboratory with the help of UL engineers. This will significantly improve the product certification and research and development efficiency, and it is of great significance to the product and market development.

This qualification fully demonstrates that UL is highly recognized by the research and development capabilities of NM FIRE fighting products, and marks that the test capability of NM FIRE for the above related products have reached the international advanced level.

一流的产品技术培训和服务
First-class technical training and services



NM FIRE, The Chinese pump manufacturer, becomes the first member of NFPA (National Fire Protection Association) in China, jointly built' Fire Pump Technology Training Center' together with Domestic Fire Protection Association and Overseas Certificate Authority for further utilizing global advanced fire pump technology and changing backward situation of fire pump field.

The training center is currently being built. NM FIRE specially completed a standard package system for the training center in accordance with NFPA20,which can be used for on-the spot teaching and practical operation training.

Trainees:

Designers from firefighting engineering company and designing institute.

Government employees who engage in fire control management.

Fire pump dealers.

Fire pump group end users and operators .



What can you get from training?

Operating principles of package system.

Operating procedure of package system .

Technical standard and technology training for fire pumps, firefighting diesel engines and controllers etc.

Trainingforlatest NFPA 20 standard.

Trouble shooting in NFPA 20 package system.









南方安美作为中国泵行业首家美国消防协会NFPA成员企业，为进一步利用全球消防泵先进技术，改变中国消防泵行业落后的现状，与国内消防协会及国外认证机构合作，共同组建了“消防泵机组技术培训学校”。

目前学校正在筹建之中，南方安美按照NFPA20标准，专门为学校建成了一套完整的NFPA20消防泵撬装系统，可为学员提供现场教学演示以及实践操作培训。

学员群体：

消防工程公司与设计院设计人员

政府从事消防行业管理的雇员

消防泵设备经销商

消防泵机组终端用户与操作人员

能从学校培训获得什么?

消防泵撬装系统工作原理

消防泵撬装系统操作程序

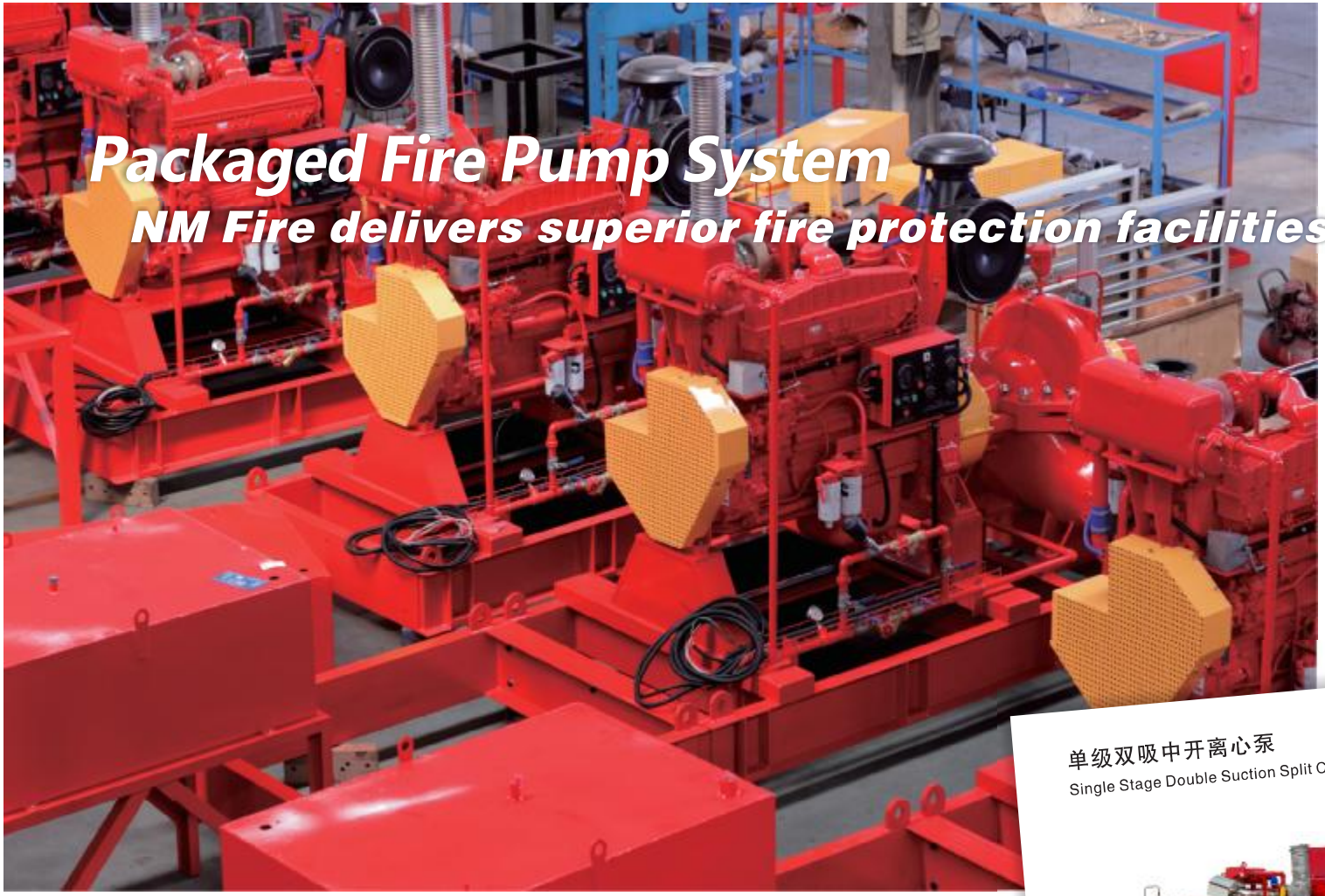
消防泵、消防柴油机以及

控制器等产品的标准与技术培训

最新NFPA 20标准的培训

NFPA20撬装系统简单故障排除





Packaged Fire Pump System

NM Fire delivers superior fire protection facilities to worldwide.

主要产品(Main Product)

消防泵撬装系统(Fire Fighting Pumps Package System)
消防泵机组(Fire Fighting Pump Set)
电动消防泵机组(Motor Driven)
柴油机消防泵机组 (Diesel Engine Driven)
柴油机应急供水泵机组(Diesel Engine Emergency Water Supply Pump Set)
消防用柴油机(Fire Fighting Diesel Engine)
电控柜(Control Panel)
消防泵机组用电控柜(For Fire Fighting)
应急供水用电控柜(For Emergency Water Supply)

单级双吸中开离心泵
Single Stage Double Suction Split Case Centrifugal Pump



柴油机消防泵机组 (Diesel Engine Driven)



电动消防泵机组(Motor Driven)







保障社会安全是消防企业的责任和使命。南方安美作为积极践行“保障人身财产安全，维护社会安全与美好”战略的UL、FM认证产品生产企业，研发团队由从事消防行业研究二十余年的法国消防专家领衔，攻克多重技术堡垒，开创了中国专业化消防技术研究新局面；
“路漫漫其修远兮，吾将上下而求索”，南方安美将不断打造“中国制造”的良好口碑，努力为广大客户提供高质量的产品及便捷、优质的服务，共筑安全美好的中国梦。

Safeguarding social security is the responsibility and mission of firefighters. NMFIRE security as a positive practice "to protect the safety of personal and property, to maintain social security and good" strategy of UL, FM certified product manufacturing enterprises, research and development team engaged in the fire industry research more than 20 years of French fire experts led to conquer multiple technical fortress, Creating a new situation in China's specialized fire technology research;
" The road ahead will be long and our climb will be steep", the NMFIRE will continue to build "Made in China" a good reputation, and strive to provide our clients with high-quality products and convenient, high-quality services, build a safe and beautiful China dream.



单级端吸离心泵 Single stage End Suction Centrifugal Pump



柴油消防泵机组（Diesel Engine Driven）



电动消防泵机组(Motor Driven)









各石油、石化、化工、陆海军设计院及中石油、中石化、中海油的各油田、输油管道局、油品储备库、油品码头、工程建设公司、炼油厂、海上平台等单位。

All petroleum, petrochemical, chemical, military and naval institutes, oil fields of Petro China, Sinopec, CNOOC, pipelines Bureaus, oil repositories, oilterminals, construction companies, oil refineries, offshore platforms ,etc







可生产适合于海水消防泵用的各种材质，包括：双相不锈钢，超级双相不锈钢，镍铝青铜等。

Can supply sea water application fire fighting pumps,with suitable material like : Duplex Stainless Steel , Super Duplex Stainless Steel and Al–Bronze.





控制柜 (Control Panel)



消防专用柴油机 (Fire fighting Diesel Engine)



消防工程公司、机场、高速公路隧道、宾馆、医院、大型超市、高档写字楼、国家级粮库、火电厂、造船厂、造纸厂、地铁站、火车站等；

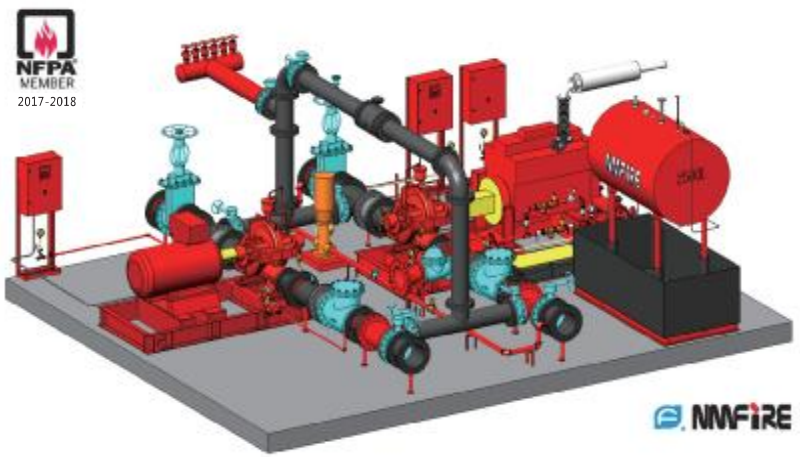
Fire–Fighting Engineering Companies, airports, highway tunnels, hotels, hospitals, supermarkets, office buildings, national grain storages, thermal power plants,shipyards, paper mills, subway stations, railway stations, etc.

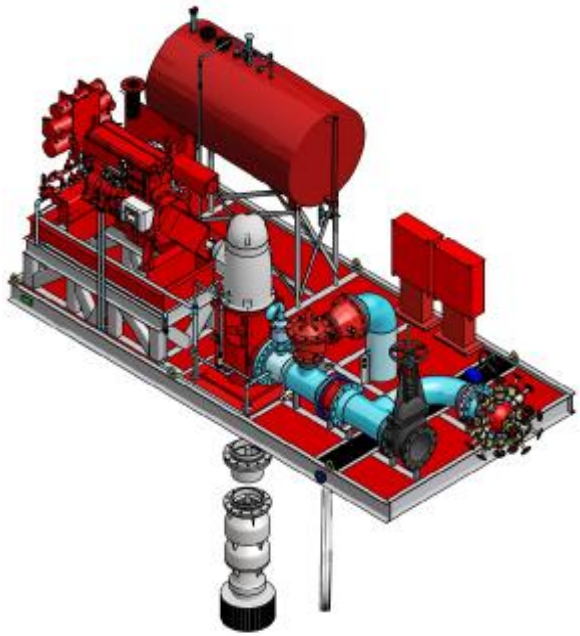
钢铁厂、小区住宅院、工矿企业、建材家居超市等。
Steel plants, residential regions, industrial and mining enterprises, house building materials supermarkets, etc.

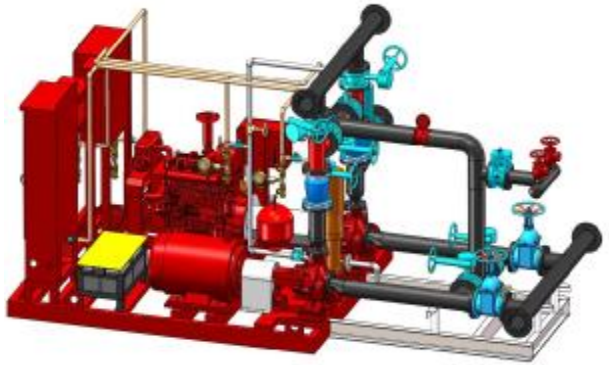


稳压泵机组 (Jockey Pump Set)

NFPA20标准消防泵撬装系统
NFPA20 standard fire pumps package system







NFPA20消防泵撬装系统简介
NFPA20 FIRE PUMP PACKAGE SYSTEM INTRODUCTION

凭借多年的消防行业工作经验，南方安美现开始设计生产消防泵成套系统，该系统出厂前装配好所有必要部件，最大限度地减少用户现场工作量。

特点：
1.管路设计简单
2.卖方负责全部装配
3.符合NFPA20标准要求
4.成撬系统在ISO9001工厂测试环境下进行严格的出厂前性能测试
5.由于进行现场材料处理，没有材料损耗
6.改善用户现场建设进度，节省现场安装时间
7.现场只需进行水泵进出水口管路连接及电源接通
8.外形设计美观

南方安美消防泵撬装系统设计适用范围包括：中开泵、端吸泵、长轴泵、立式管道泵、单台电动机、单台柴油机、一台电动机和一台柴油机、2台电动机和2台柴油机配置。

With years of experience in fire protection industry, NM Fire can supply fire pumps system with all necessary accessories ready for site installation, reducing amount of work on site to the greatest extent.

Advantages :
1.Simplifies piping design.
2.Single source unit responsibility.
3.A complete package that meet NFPA20 requirements
4.Packaged systems are performance and hydrostatically factory tested at an ISO9001 certifiedmanufacturing facility prior to shipment.
5.No material lost due to on-site material handling.
6.Improves the speed of construction and reduces on-site installation time.
7.Only external suction, discharge and power connection are required on-site.
8.State of the art engineering design.

The full range of NM Fire solutions available includes Horizontal Split-Case, End suction, Vertical Turbine and Vertical in-line pumps, Single Electric Motor, Single Diesel,1 Electric motor and 1 Diesel Engine, 2 Electric Motor, 2 Diesel Engine configurations are available.

NFPA20 消防泵货柜泵站
NFPA20 Containerised Fire-Fighting Pump Sets



整体式泵站、紧凑、安全、一步到位，包括：
Integral pumps station, compact, safe, step in place, including:

- 电动机驱动泵、柴油机驱动泵以及稳压泵（可根据需求选配）
  Electric driven pump 、 Diesel driven pump and Jockey pump
- 电动机驱动泵、柴油机驱动泵以及稳压泵控制柜
  All the control panels
- 全套管路及阀门
  Pipework and Valves
- 燃油箱
  Fuel tank
- 照明、通风系统
  Lighting 、Air System.
- 高效的空调系统及优良的箱体保温、隔音材料
  Wall insulation reduces environment noise





- 在现场，仅仅只需接通水和电源，机组便可马上工作。
  After simply connecting the water and power supplies on site, the unit is immediately operational.
- 先进的3D设计，严格按照NFPA20 标准要求规范设计，占地面积小。
  3D design built in a clean,controlled factory environment to a high NFPA20 engineering standard.
- 整套系统在ISO9001工厂测试环境下完成严格的系统运行及性能出厂测试.
  Fully tested at an ISO9001 manufacturing facility prior to shipment.
- 运输至现场后,只需简单的基础准备即可安装完毕.
  Once on site the containerised pump house can simply be lowered onto a prepared concrete base.







NFPA20标准消防泵撬系统(一电、一柴、一稳压)
NFPA20 Standard Fire Pump Package System
(1 Electric Motor Unit & 1 Diesel Engine Unit & Jockey Pump Unit.)





卧式中开离心式消防泵
Centrifugal Fire Pumps, Horizontal Split–Case Type

UL/FM系列型号 UL/FM Model

SCF - 200 - 150 - 460

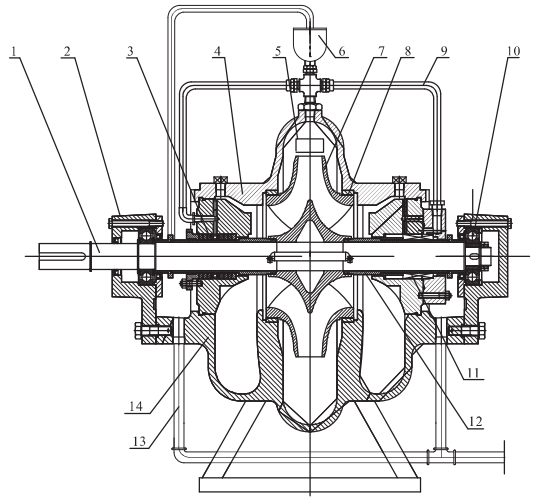
- 叶轮名义直径(mm) Nominal impeller dia(mm)
- 出水口直径(mm) Discharge dia(mm)
- 吸水口直径(mm) Suction dia(mm)
- 卧式中开离心式消防泵 Centrifugal Fire Pumps, Horizontal Split-Case Type

GB系列型号 GB Model

XB C(D) 6.6/60 G - NSCF

- 卧式中开离心式消防泵 Centrifugal Fire Pumps, Horizontal Split-Case Type
- G代表供水，P代表供泡沫液 G :Water Supply, P: Foam Concentrate
- 流量(l/s) Capacity (l/s)
- 出口压力(Mpa)X10 10 Time(Mpa)
- C 代表柴油机，D 代表电动机 C: Diesel Engine D: Motor
- 消防泵 Fire Pump

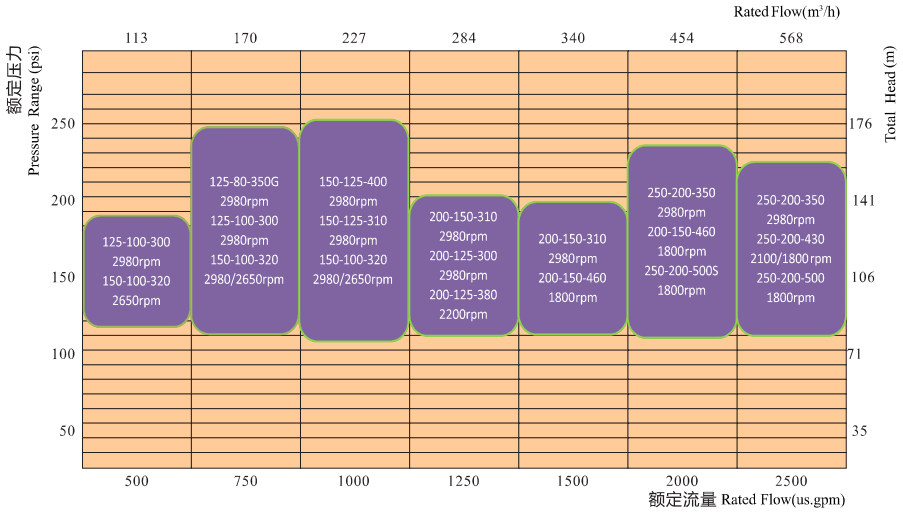
结构图 Structure Design

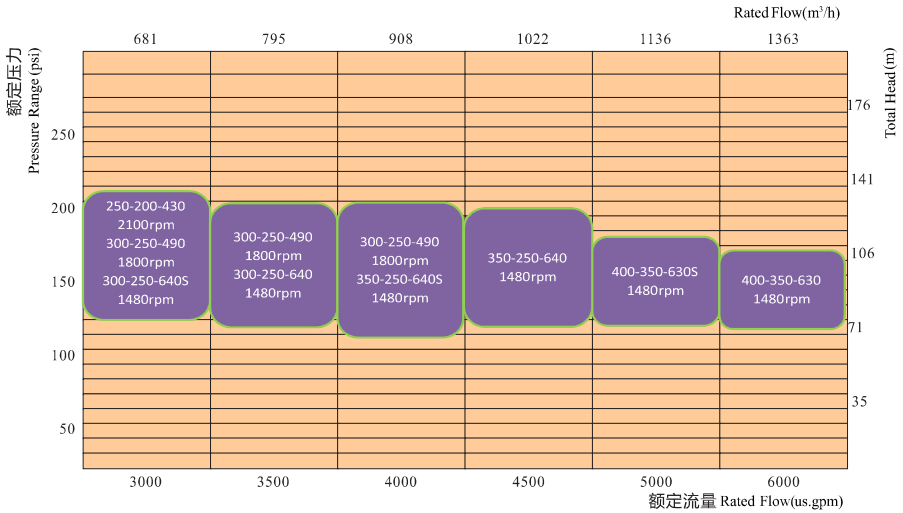


序号 No.	零 / 部件名称 Name	材质 Material
1	主轴 Shaft	20Cr13
2	轴承体 Bearing Housing(DE)	铸铁 Cast Iron
3	填料密封部装 Packing Seal Assembly	
4	泵盖 Upper casing	铸铁 / 球铁 / 铸钢 Cast Iron/Ductile Cast Iron/Cast Steel
5	铭牌 Nameplate	不锈钢 Stainless Steel
6	自动排气阀 Air Release Valve	
7	叶轮 Impeller	不锈钢 / 铜 Stainless Steel/Bronze
8	泵体密封环 Casing Seal Ring	不锈钢 / 铜 Stainless Steel/Bronze
9	冲洗管路 Flushing Pipe	碳钢 / 不锈钢 Carbon Steel/ Stainless Steel
10	轴承 Bearing	SKF
11	机械密封部装 Mechanical Seal Assembly	
12	轴套 Shaft Sleeve	不锈钢 Stainless Steel
13	排泄管路 Drainage Pipe	碳钢 Carbon Steel
14	泵体 Pump Casing	铸铁 / 球铁 / 铸钢 Cast Iron/Ductile Cast Iron/Cast Steel

卧式中开离心式消防泵
Centrifugal Fire Pumps, Horizontal Split–Case Type

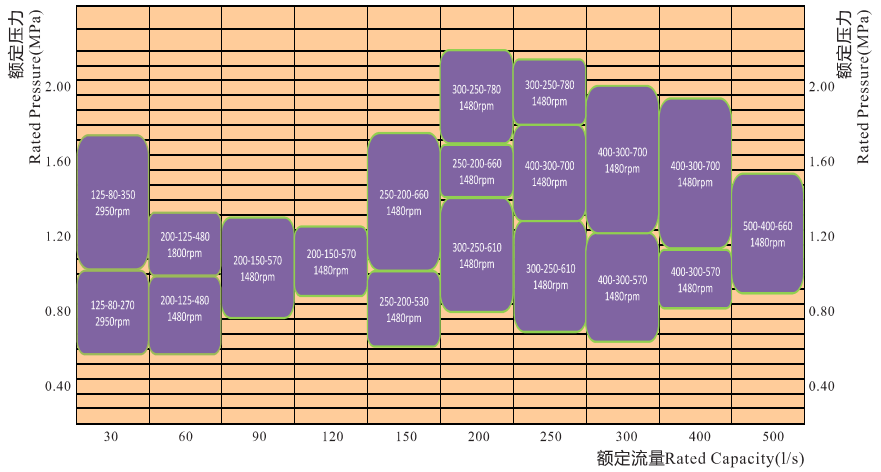
UL/FM(SCF)系列卧式中开泵性能范围
UL/FM(SCF) Performance Range Of Horizontal Split–Case Type

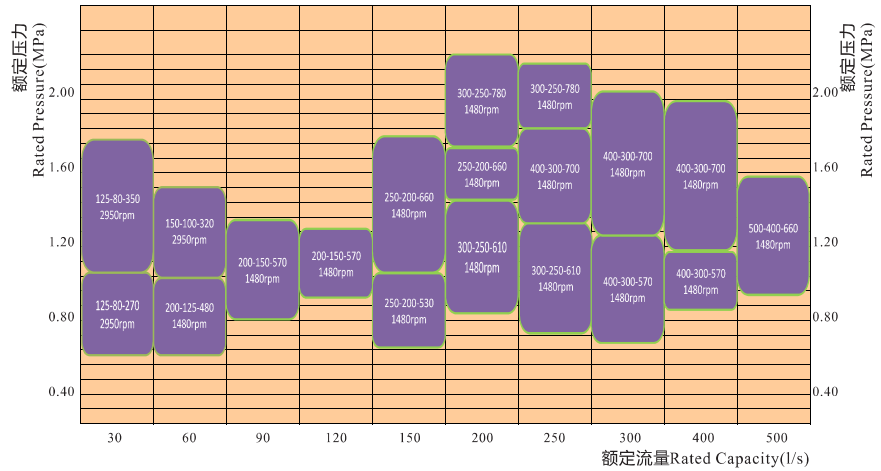




卧式中开离心式消防泵
Centrifugal Fire Pumps, Horizontal Split–Case Type

GB(NSCF)系列卧式中开泵性能范围
GB(NSCF)Performance Range Of Horizontal Split–Case Type





卧式端吸离心式消防泵组
Centrifugal Fire Pumps, Horizontal End–Suction Type

UL/FM系列型号 UL/FM Model

ESF 65 / 26

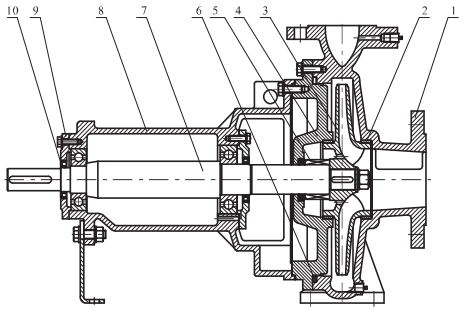
- 叶轮名义直径的(mm)1/10
  Nominal impeller dia(mm) 1/10
- 排出口直径(mm)
  Discharge dia(mm)
- 卧式端吸离心式消防泵组
  Centrifugal Fire Pumps, Horizontal End-Suction Type

GB系列型号 GB Model

XB C(D) 6.6/40 G- ESF

- 卧式端吸离心式消防泵组
  Centrifugal Fire Pumps, Horizontal End-Suction Type
- G代表供水，P代表供泡沫液
  G :Water Supply, P: Foam Concentrate
- 流量(l/s) Capacity (l/s)
- 出口压力(Mpa)X10 10 Time(Mpa)
- C 代表柴油机，D 代表电动机
  C: Diesel Engine D: Motor
- 消防泵 Fire Pump

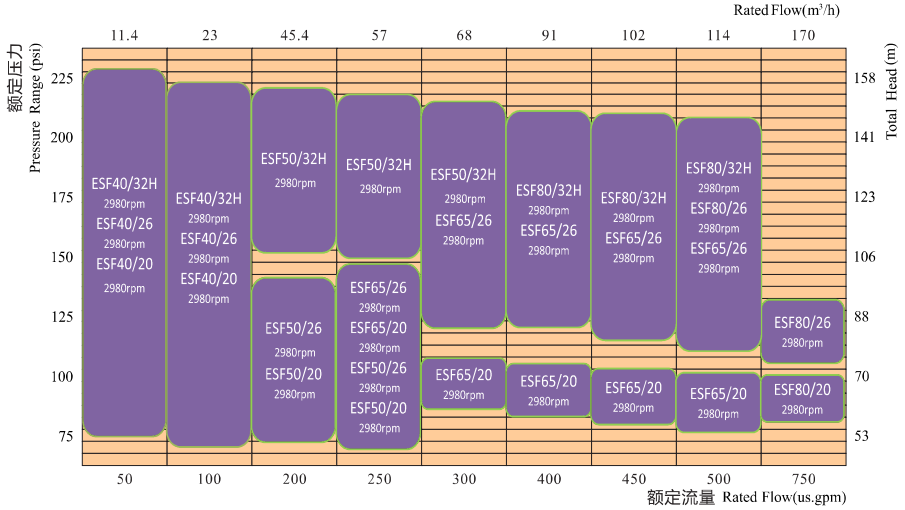
结构图 Structure Design



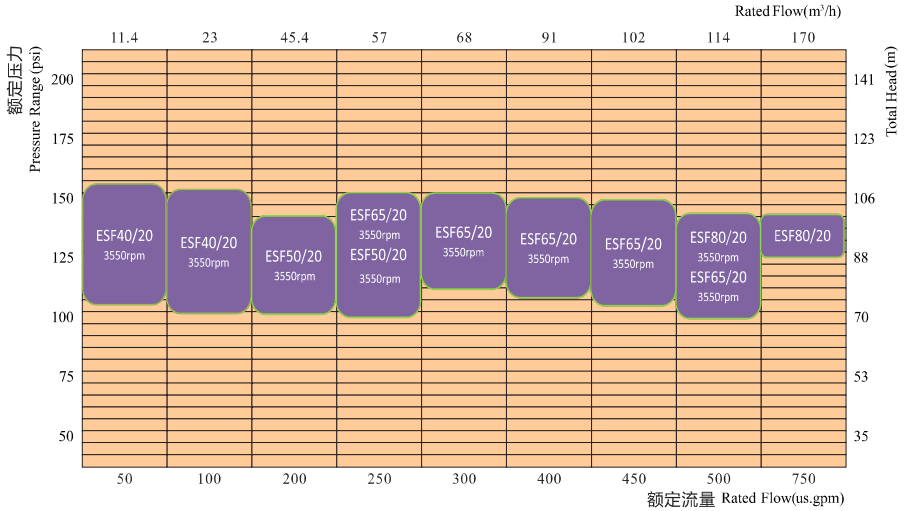
序号 NO	零件名称 Part Name	材料 Material
1	泵体 Pump Casing	球墨铸铁QT500-7 Ductile Cast Iron QT500-7
2	耐磨环 Wear ring	不锈钢304或青铜 Stainless Steel 304 or Bronze
3	叶轮 Impeller	304、316、2205、青铜 304、316、2205、Bronze
4	泵盖 Upper Casing	球墨铸铁 QT500-7 Ductile Cast Iron QT500-7
5	填料密封/机械密封 Packing Seal/ Mechanical Seal	碳素纤维 /石墨-碳化硅 Carbon-fiber / Graphite-silicon carbide
6	O形橡胶圈 O-ring	橡胶圈 Rubber
7	泵轴 Shaft	20Cr13
8	悬架体 Suspension Body	铸铁HT200 Cast Iron HT200
9	轴承压盖 Bearing Cover	铸铁 Cast Iron HT200
10	油封 Oil seal	橡胶圈 Rubber

卧式端吸离心式消防泵组
Centrifugal Fire Pumps, Horizontal End–Suction Type

端吸泵系列性能范围（50Hz）
PERFORMANCE RANGE OF NM FIRE PUMP-END SUCTION(50Hz)



端吸泵系列性能范围（60Hz）
PERFORMANCE RANGE OF NM FIRE PUMP-END SUCTION(60Hz)



离心式长轴消防泵组
Centrifugal Fire Pumps, Vertical Shaft, Turbine Type

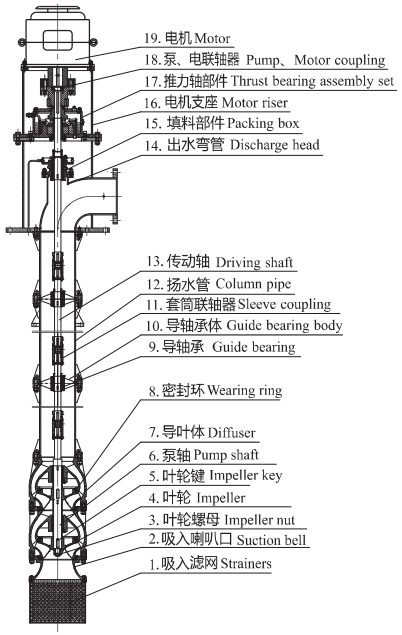
型号Model

XB C(D) 7.5/60 G、P(J) - VTCF

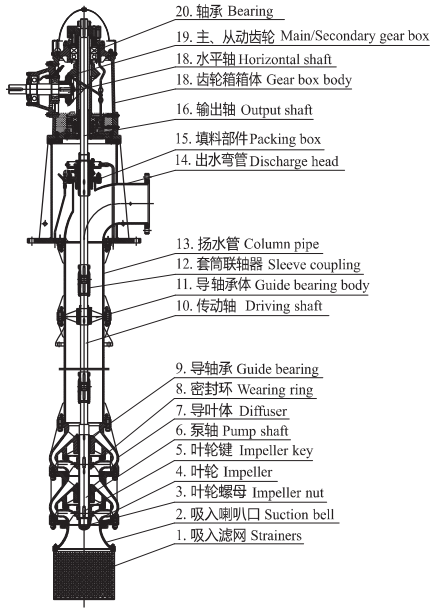
- 立式长轴泵 Vertical Turbine Pump
- G代表供水，P代表供泡沫液 J代表深井泵
  G: Water Supply,P: Foam Concentrate , J: Deep Well Pump
- 流量(l/s) Capacity (l/s)
- 出口压力(Mpa)X10 10 Time(Mpa)
- C 代表柴油机，D 代表电动机
  C: Diesel Engine D: Motor
- 消防泵 Fire Pump

参数范围：Specification
流量最高可达1350m³/h Capacity: Up to 1350 m³/h 扬程可达240m Head: Up to240m

VTCF结构图(电机)
Construction Drawing of VTCF(With Motor)

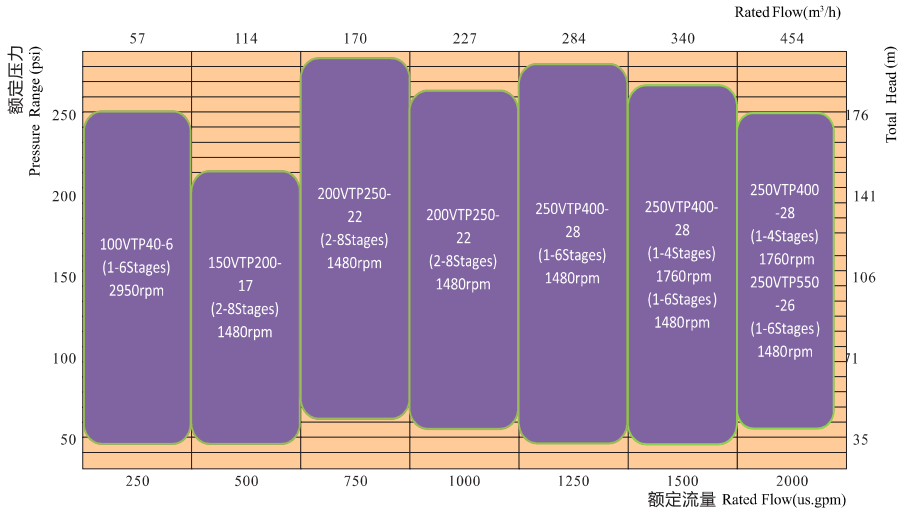


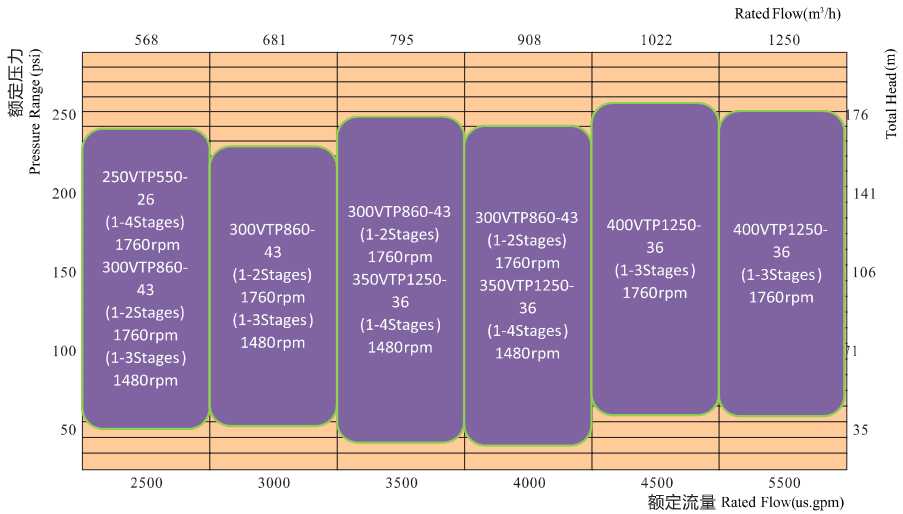
VTCF结构图(齿轮箱)
Construction Drawing of VTCF(With Gear Box)



离心式长轴消防泵组
Centrifugal Fire Pumps, Vertical Shaft, Turbine Type

离心式长轴泵性能范围
Performance Range–Centrifugal Fire Pumps,Vertical Shaft Turbfne Type





CDLF系列不锈钢立式多级泵
(CDLF)Vertical Multistage Centrifugal pump

稳压给水设备
Pressure stabilizing type water supply equipment used for fire–protection

型号 Model

W 2 / 0.48 - NF

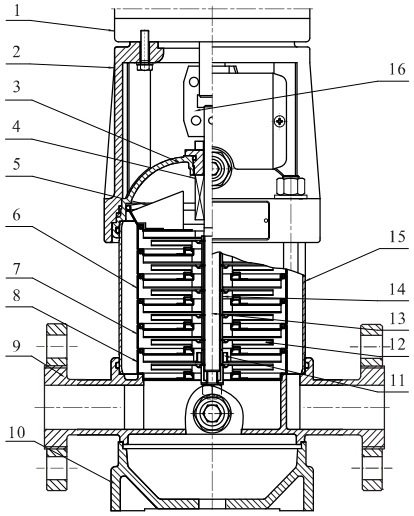
- 自定义代号 Custom code
- 水容积或补偿水容积，单位为立方米(m^3) Water or Compensation Water Capacity (m^3)
- 止气 / 充气压力或取水压力下限，单位为十倍兆帕(MPa×10) Air Stopping /Inflation Pressure or Lower Limit of Water Pressure(MpaX10)
- 消防稳压给水设备 Pressure stabilizing type water supply equipment used for fire-protection

消防自动恒压给水设备
Constant pressure automatic water supply equipment used for fire–protection

□□□ □ / □ - □ - NF

- 自定义代号 Custom code
- 消防泵台数 Fire pumps quantity
- 消防泵额定流量，单位为升每秒（L/S） Fire pump rated Capacity(L/S)
- 消防泵额定压力，单位为十倍兆帕（MPaX10） Fire pump rated pressure(MPaX10)
- 固定消防给水设备类别 Fixed water supply equipment used for fire-protection category

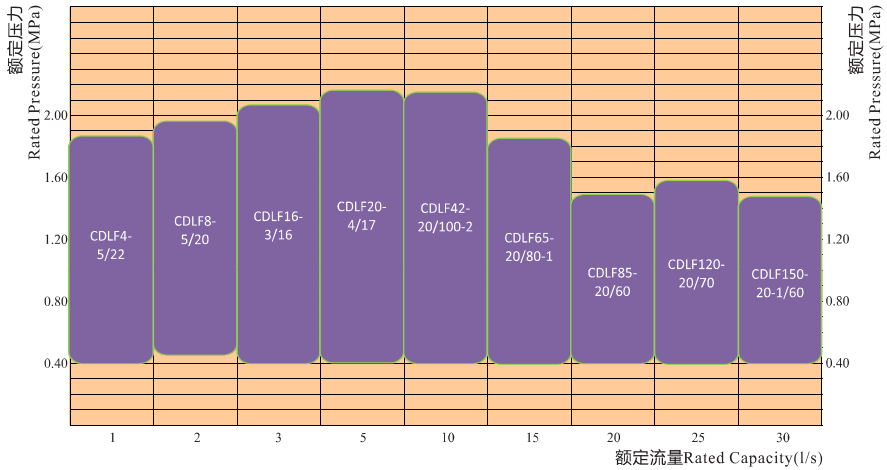
结构图 Structure Design



序号 No.	名称 Name	材料 Material	AISI/ASTM
1	电机 Motor		
2	泵头 Casing	铸铁 Cast iron	ASTM25B
3	泵头衬里 Seal base	不锈钢 Stainless steel	AISI304
4	机械密封 Mechanical seal		
5	出水导叶 Top diffuser	不锈钢 Stainless steel	AISI304
5	导叶 Diffuser	不锈钢 Stainless steel	AISI304
7	支撑导叶 Support diffuser	不锈钢 Stainless steel	AISI304
8	导流器 Iuducer	不锈钢 Stainless steel	AISI304
9	进出水段 Inlet and outlet chamber	不锈钢 Stainless steel	AISI304
10	底座 Base plate	铸铁 Cast iron	ASTM25B
11	轴承 Bearing	碳化钨 Tungsten carbide	
12	叶轮 Impeller	不锈钢 Stainless steel	AISI304
13	轴 Shaft	不锈钢 Stainless steel	
14	叶轮隔套 Impeller sleeve	不锈钢 Stainless steel	AISI304
15	耐压筒 Cylinder	不锈钢 Stainless steel	AISI304
16	联轴器 Coupling	碳钢 Carbon steel	

CDLF系列不锈钢立式多级泵
(CDLF)Vertical Multistage Centrifugal pump

CDLF立式多级离心泵消防稳压泵性能范围（2950rpm）
Performance Range of CDLF(2950rpm)


























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消防设备有限公司
实验室揭牌仪式

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MINIMAX 德国美力马公司 MINIMAX

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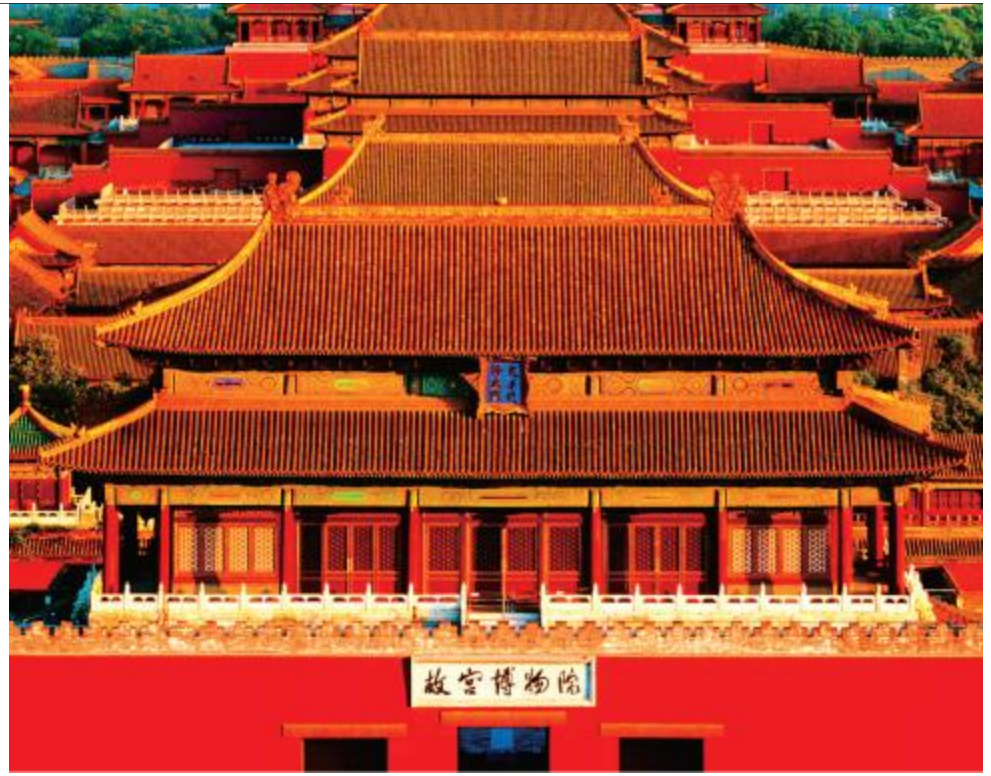
美国伊顿公司 EATON

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New face Same dream

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CNP NM FIRE FIGHTING SYSTEM CO.,LTD

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Email: nm-overseas@nanfang-pump.com
Add: No. 45 Xi Chong Road, Quan Tang Street, Changsha ETDZ, Hunan, P.R. China

NFPA MEMBER 2017-2018

FM APPROVED

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SETSCO

CNPP



NISO
NIS
NISF

50Hz

End Suction Centrifugal Pump



Stock code:300145

Pumping Water Pumping Honor

CNP

Nanfang Zhongjin Environment Co.,Ltd.

CNP Headquarter
Address: Renhe Town, Hangzhou,China
Post code: 311107
Tel: +86 571 88637351, +86 571 86397827
Fax:+86 571 86397809
E-mail: info@nanfang-pump.com
http: //www.cnppump.com

E190701
Code1500067430
subject to amendments

CNP









Company profile

Founded in 1991, Nanfang Zhongjin Environment Co.,Ltd. (hereinafter referred to as CNP) has been listed on the Shenzhen Stock Exchange on 9th December 2010; Stock name: CNP; Stock code: 300145.

As the first enterprise specializing in the research and large-scale production of stainless steel stamping welded centrifugal pump in China, CNP is currently the professional manufacturer with the highest volume of production and marketing in that industry. It ranks first in the country in terms of product scope, sales volume, and production quality. The company has set up a complete network of marketing services to meet the requirements of overseas markets as well as domestic needs. The products have seen a wide range of application in the area of pressurization, industry, living water, cycling of air-conditioning water, heat supply, fire extinguishing system, pumping of underground water, treatment of sewage and waste water, chemical industry and desalination of sea water etc.

CNP has now entered into the fast track of development and has taken a major step forward in forging China Strong Pump Enterprise and World's famous brand in the Pump Industry. In order to better meet the client's needs and requirements for expansion, it has set up a wide network of selling and service, as well as offices and service centers in major cities in China, which are aimed at providing timely and effective services for our clients. Meanwhile, our company has successfully penetrated into the world market by forging a good business relationship with more than 50 countries and regions in the Europe, Northern American, and Southeast Asia etc.

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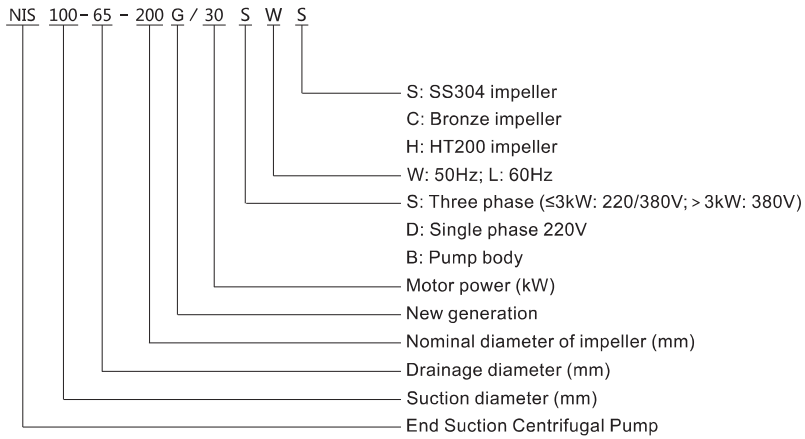
2-Pole

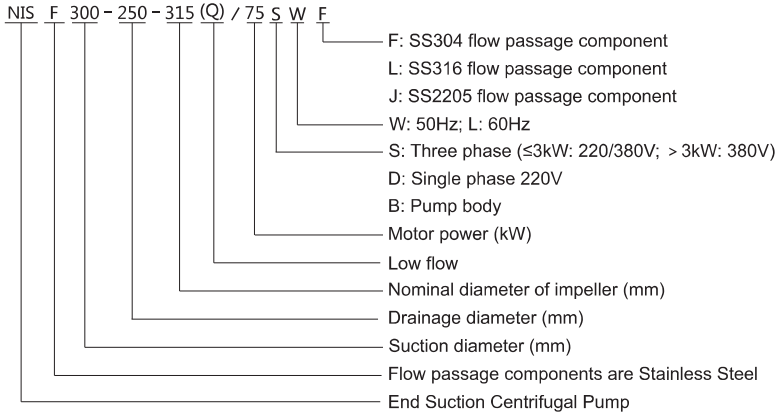
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NISO,NIS,NISF100-65-250/100-65-315 Performance curve 48
NISO,NIS,NISF100-80-160/125-100-200 Performance curve 49
NISO,NIS,NISF125-100-250/125-100-315 Performance curve 50
NISO,NIS,NISF125-80-400/125-100-400 Performance curve 51
NISO,NIS,NISF150-125-250/150-125-315 Performance curve 52
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Model definition





Model definition

NISO 100 - 65 - 200 / 30 S W S

- S: SS304 impeller
- C: Bronze impeller
- H: HT200 impeller
- F: SS304 flow passage component
- L: SS316 flow passage component
- J: SS2205 flow passage component
- W: 50Hz; L: 60Hz
- S: Three phase (≤3kW: 220/380V; ＞3kW: 380V)
- D: Single phase 220V
- B: Pump body
- Motor power (kW)
- Nominal diameter of impeller (mm)
- Drainage diameter (mm)
- Suction diameter (mm)
- End Suction Centrifugal Pump

Minimum inlet pressure NPSH

In case that the pressure in pump is lower than the steam pressure used to convey liquid,the cavitations will occur.To avoid cavitations, a minimum pressure at the inlet side of the pump shall be guaranteed.The maximum suction can be calculated with the following formula:

H=Pb×10.2-NPSH-Hf-Hv-Hs

H—Maximum suction head(m)

Pb—Atmosphere pressure(bar)

In a closed system,Pb means system pressure(bar)

NPSH—Net positive suction head(m)

It can be read from the point of Max.flow rate shown on NPSH curve.

Hf—Pipeline loss at the inlet(m)

It is in accordance with the pipeline possible Max.flow.

Hv—Steam pressure(m)

It depends on liquid temperature and steam pressure value.

Hs—Safety margin(m)

Minimum 0.5m delivery head.

If the calculated result H is negative ,the pump may run under the Max.suction head H.In case the calculated result H is negative,adelivery head of Min.inlet pressure is necessary.

NOTE: Normally, the above calculation will not be done.

H is calculated in the following conditions:

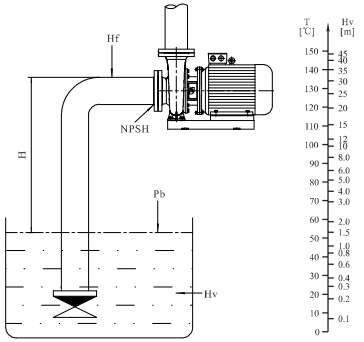
1.The liquid temperature is comparatively higher;

2.Liquid flow exceeds rated value;

3.Suction head is comparatively large or inlet pipeline long;

4.System pressure is too low;

5.Bad inlet condition.



Applications

- Clean, thin, non-corrosive, non-flammable or non-explosive liquid without grain or fiber.
- Water supply system
- HVAC system
- Booster and constant water supply system
- Fire-fighting and splitting system
- Irrigation and farming
- Industrial cooling and heat circulation system
- Industrial transferring and drainage system

Product structure

- Non-self-priming, single stage, single suction, horizontal axial suction and radical discharge, pump body is fixed by base.
- Standard wear-resistant mechanical seal.
- TEFC motor, size complies to IEC standard.
- NISO pump use bearing cradle,which can orientate bearing, prevent from radical vibration, improve the rigidity of rotary part.
- NISO pump integral pump shaft, use deep grove grease lubricated bearing.
- NISO pump use semi-flexible coupling to connect pump and motor.
- NISO pump dimension conforms to ISO2858 standard.
- NIS,NISF series pump are coupled with extension shaft structure.
- Inlet and outlet flange and pump body of cast iron pump conform to standard of PN16 in GB/T17241.6 (ISO7005-2); Inlet and outlet flange and pump body of Stainless Steel pump conform to standard of PN16 in GB/T9113 (ISO7005-1).

Performance parameters

- Max. Flow: 1200 m^3/h
- Max. Head: 160 m
- Max. Working pressure: 16 bar
- Max. Inlet pressure: 6 bar
- Max. Power: 200kW
- Liquid temperature: -15℃~ 110℃
- Inlet and outlet diameter:

  Inlet diameter: DN50~DN300

  Oulet diameter: DN32~DN250

Features

- Adopt Pull-back structure, avoid dismantling pump body and pipeline when repairing.
- All NISO pump only use 4 types of pump shafts and bearing cover, making many parts exchangeable.
- Designs of NIS,NISO,NISF series impellers are optimized, inlet is enlarged, no whirlpool, deduct water pump NPSH efficiently, which makes pump work stable with little noise. Performance curve is flat, flow range is wide, performance is similar with international pump industry peers.
- NIS*G,NIS*(Q) series pump are designed according to newest standard in GB/T5662,whose performance curve are steeper than NIS,NISO,NISF series. Flow range conforms to requirements, use excellent hydraulic model and CFD optimition, high efficiency, reasonable head spread, compact structure, easy maintenance.
- NIS,NISF pumps are small,compact and easy to install.
- Main spare parts like impeller, pump body, pump head of NIS*G,NIS*(Q) series pump are cast iron. But can be customized according to customers' requirement.

Curve conditions

- Following conditions are suitable for the performance curves shown above.
- All curves are based on the measured values of motor 3×380V. 50Hz: under the constant speed of 2900 rpm, 1450rpm or 1480rpm; 60Hz: under the constant speed of 3500rpm, 1750rpm.
- Curve tolerance in conformity with ISO9906:2012, Grade 3B.
- Measurement is done with 20℃ air-free water, without impurities.
- The operation of pump shall refer to the performance region indicated by the thickened curve to prevent overheating due to too small flow rate or overload of motor due to too large flow rate.
- If the thickness and density of the pumped liquid is different from water ,the motor power should be adjusted.

Working conditions

Relative humidity of pump

● The pump is specifically designed for installation in non-corrosive and non-explosive environments with a relative humidity of no more than 95%.

Ambient humidity and altitude

● Ambient humidity and installation altitude are important factors influencing motor service life as they also affect the life of bearings and insulation systems.

● The installation altitude is the height at which the installation location is above sea level. If the ambient temperature exceeds the recommended maximum value, or if the installation height exceeds the recommended maximum altitude, air cooling effect may be poor due to low density and the motor shall not be operated at full capacity. In this case, choose a motor with a higher output power.

Motor parameter

Standard motor

● TEFC motor, size complies to GB/28575 standard.

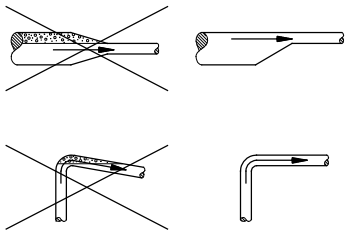
● Standard configuration: 2-pole motor and 4-pole motor.

Pipeline Installation requirements

● Pump casing must not subjected to pipe pressure when installing the pipe.

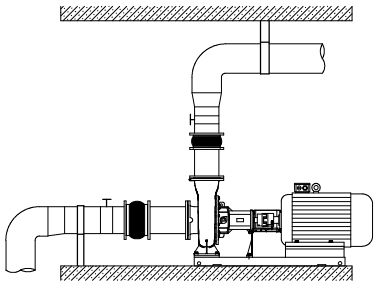
● The suction and drain pipes must be sized appropriately and the inlet pressure of the pump needs to be considered.

● Install the pipe to avoid air blockage, especially on the inlet side of the pump. See picture below.

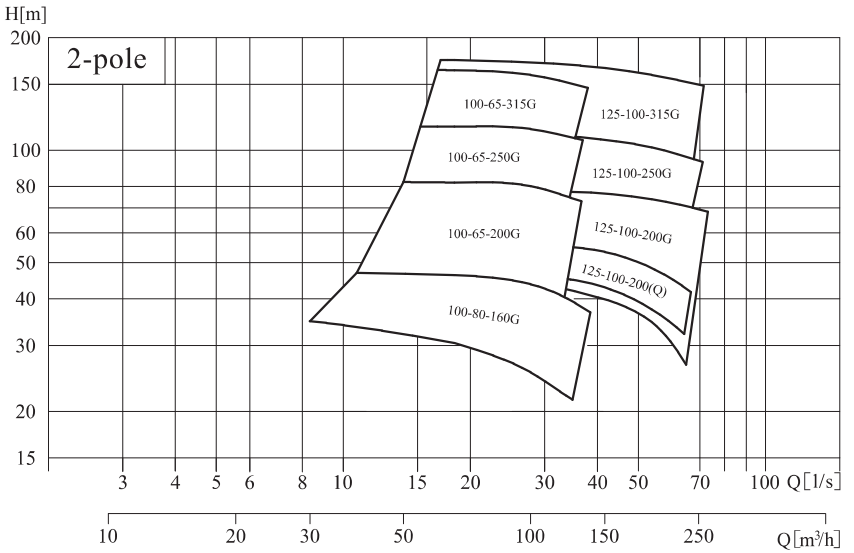


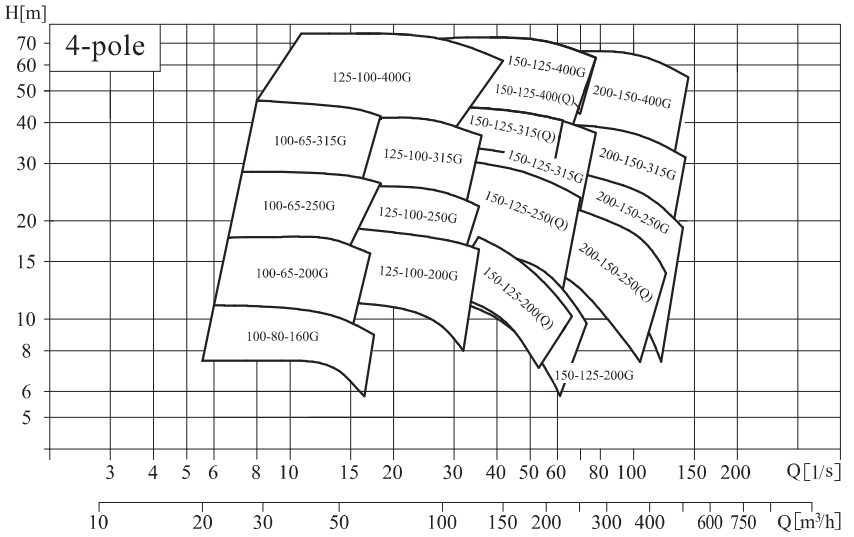
● Install an isolation valve on each end of the pump so that the system does not have to be drained when cleaning or repairing the pump.

● Ensure that the pipe is sufficiently supported (inlet and outlet side) as close as possible to the pump. The butt flange should be attached to pump flange without being subjected to tensile stresses, as the presence of tensile stress can damage the pump.

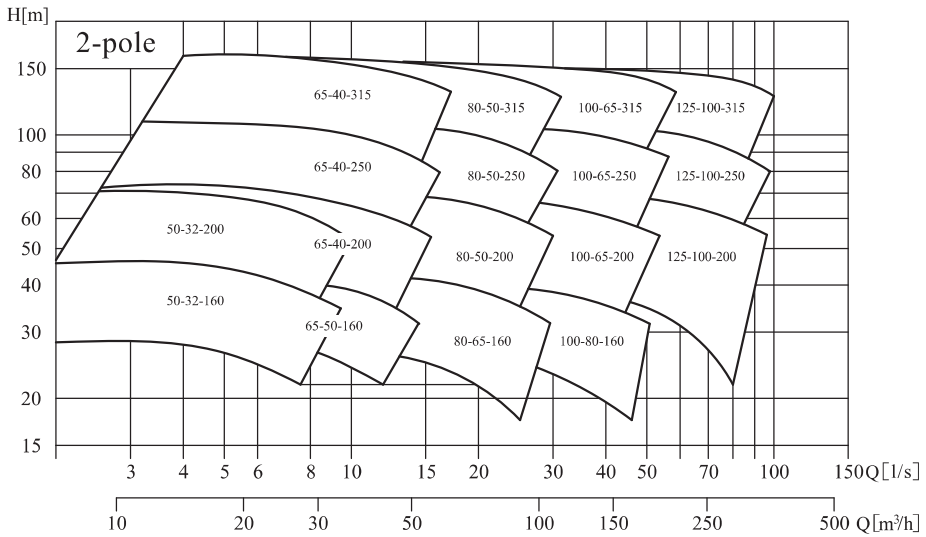


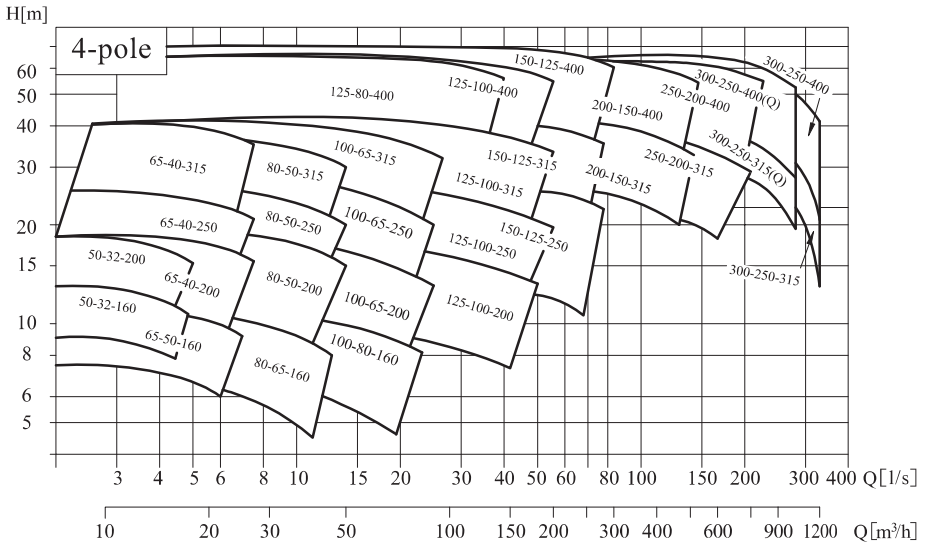
NIS*G,NIS*(Q) Spectral spectrum



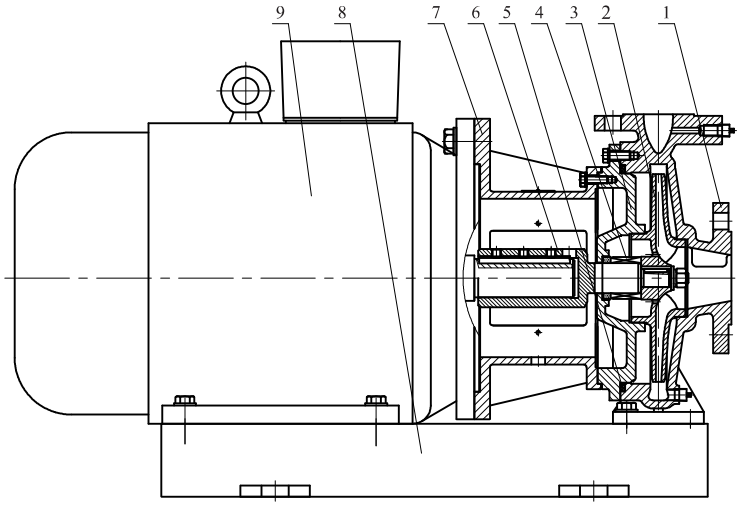


NISO,NIS,NISF Spectral spectrum





NIS,NISF Sectional drawing

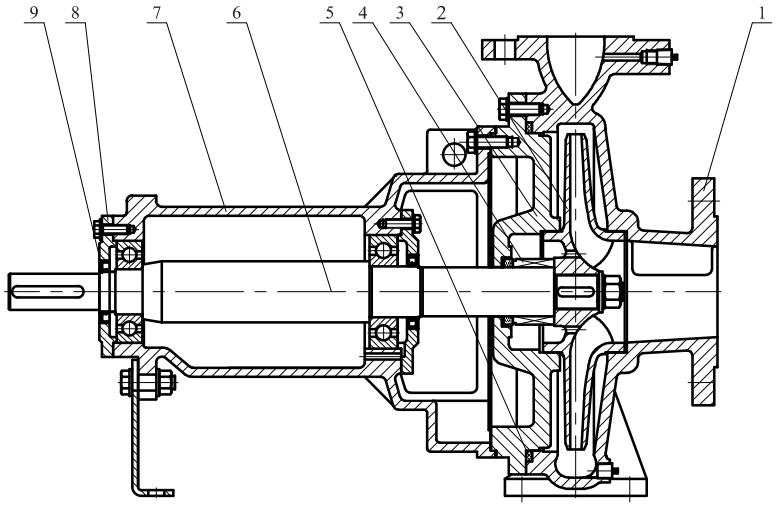


Material list of NIS,NISF

No.	Parts	Material	Code/AISI/ASTM
1	Pump body	QT500-7/ZG07Cr19Ni9	ASTM80-55/AISI304
2	Impeller	HT200/ZG07Cr19Ni9	ASTM25B/AISI304
3	Pump cover	HT200/ZG07Cr19Ni9	ASTM25B/AISI304
4	Mechanical seal	Carbon/Silicon Carbide	
5	O-ring	NBR	
6	Shaft	20Cr13/06Cr19Ni10	AISI420/AISI304
7	Pump head	HT200	ASTM25B
8	Base	Q235-A	AISIA570
9	Motor		

Note: Standard material of flow passage components of NIS*G,NIS*(Q) are cast iron, Stainless Steel need to be specially ordered.

NISO Sectional drawing



Material list of NISO

No.	Parts	Material	Code/AISI/ASTM
1	Pump body	QT500-7/ZG07Cr19Ni9	ASTM80-55/AISI304
2	Impeller	HT200/ZG07Cr19Ni9	ASTM25B/AISI304
3	Pump cover	HT200/ZG07Cr19Ni9	ASTM25B/AISI304
4	Mechanical seal	Carbon/Silicon Carbide	
5	O-ring	NBR	
6	Shaft	20Cr13/06Cr19Ni10	AISI420/AISI304
7	Bearing housing	HT200	ASTM25B
8	Bearing cover	HT200	ASTM25B
9	Oil seal	NBR	

NIS*G,NIS*(Q) Product range

2-pole

No.	Model	Q [m^3/h]	H [m]	Flow range [r/min]	Motor [kW]	n [r/min]
1	NIS100-65-200G/18.5	100	42	40~120	18.5	2950
2	NIS100-65-200G/22		51		22	
3	NIS100-65-200G/30		67		30	
4	NIS100-65-200G/37		80		37	
5	NIS100-65-250G/45		103		45	
6	NIS100-65-250G/55		116		55	
7	NIS100-65-315G/75		140		75	
8	NIS100-65-315G/90		160		90	
9	NIS100-80-160G/11		26		11	
10	NIS100-80-160G/15		36		15	
11	NIS100-80-160G/18.5		44		18.5	
12	NIS125-100-200(Q)/30	160	43	60~200	30	
13	NIS125-100-200(Q)/37		52		37	
14	NIS125-100-200G/30	200	35	80~240	30	
15	NIS125-100-200G/37		45		37	
16	NIS125-100-200G/45		54		45	
17	NIS125-100-200G/55		68		55	
18	NIS125-100-200G/75		74		75	
19	NIS125-100-250G/75		86		75	
20	NIS125-100-250G/90		102		90	
21	NIS125-100-315G/110		128		110	
22	NIS125-100-315G/132		150		132	
23	NIS125-100-315G/160		160		160	

NIS*G,NIS*(Q) Product range

4-pole

No.	Model	Q [m³/h]	H [m]	Flow range [r/min]	Motor [kW]	n [r/min]
1	NIS100-65-200G/3	50	13	20~60	3	1450
2	NIS100-65-200G/4		17.5		4	
3	NIS100-65-250G/5.5		24		5.5	
4	NIS100-65-250G/7.5		28		7.5	
5	NIS100-65-315G/11		40		11	1480
6	NIS100-65-315G/15		45		15	
7	NIS100-80-160G/1.5		7		1.5	1450
8	NIS100-80-160G/2.2		10		2.2	
9	NIS125-100-200G/4	100	9.5	40~120	4	
10	NIS125-100-200G/5.5		13		5.5	
11	NIS125-100-200G/7.5		18		7.5	
12	NIS125-100-250G/11		25		11	1480
13	NIS125-100-315G/15		33		15	
14	NIS125-100-315G/18.5		40		18.5	
15	NIS125-100-400G/30		55		30	
16	NIS125-100-400G/37		68		37	
17	NIS125-100-400G/45		72		45	
18	NIS150-125-200(Q)/5.5	160	8.5	60~200	5.5	1450
19	NIS150-125-200(Q)/7.5		12		7.5	
20	NIS150-125-200(Q)/11		16		11	1480
21	NIS(F)50-125-200G/5.5	200	7	80~240	5.5	1450
22	NIS(F)50-125-200G/7.5		10		7.5	
23	NIS(F)50-125-200G/11		14		11	1480
24	NIS150-125-250G/15		18		15	
25	NIS150-125-250G/18.5		23		18.5	
26	NIS150-125-250G/22		27		22	

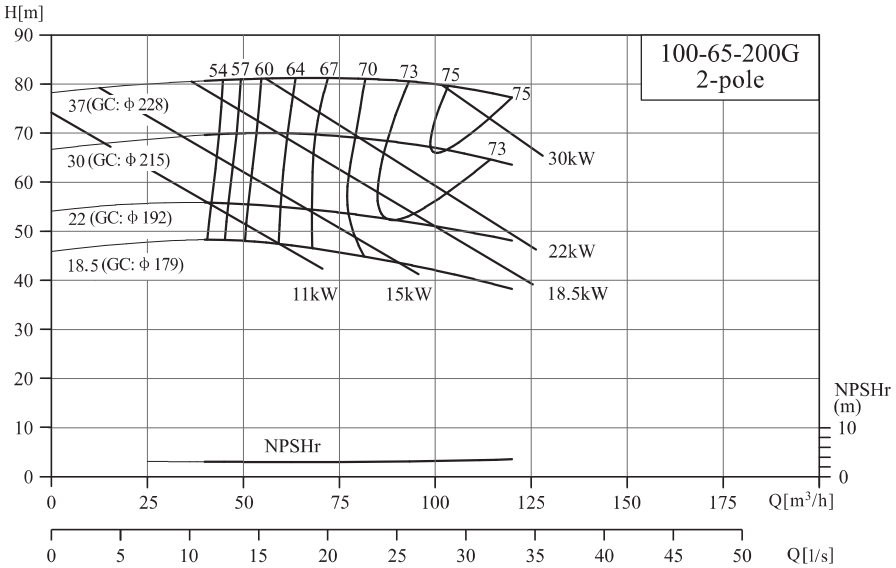
NIS*G,NIS*(Q) Product range

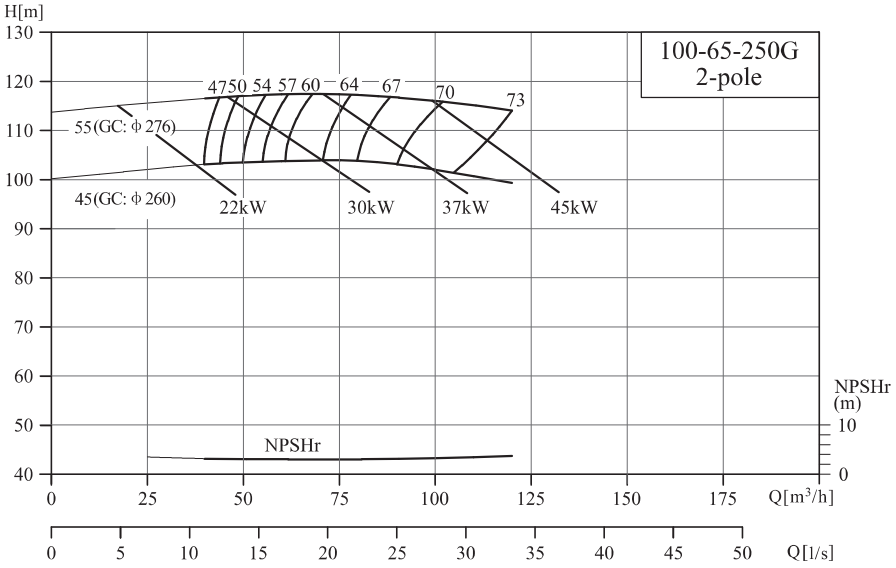
4-pole

No.	Model	Q [m³/h]	H [m]	Flow range [r/min]	Motor [kW]	n [r/min]
27	NIS150-125-315(Q)/22	160	32	60~200	22	1480
28	NIS150-125-315(Q)/30		43		30	
29	NIS150-125-315G/30	200	36	80~240	30	
30	NIS150-125-315G/37		42		37	
31	NIS150-125-400(Q)/37	160	50	60~200	37	
32	NIS150-125-400G/45	200	54	80~240	45	
33	NIS150-125-400G/55		64		55	
34	NIS150-125-400G/75		71		75	
35	NIS200-150-250(Q)/11	300	9.5	120~360	11	
36	NIS200-150-250(Q)/15		12.5		15	
37	NIS200-150-250(Q)/18.5		16		18.5	
38	NIS200-150-250(Q)/22		20		22	
39	NIS(F)200-150-250G/15	400	9	160~480	15	
40	NIS(F)200-150-250G/18.5		12		18.5	
41	NIS(F)200-150-250G/22		15.5		22	
42	NIS(F)200-150-250G/30		20		30	
43	NIS200-150-315G/37		24		37	
44	NIS200-150-315G/45		29		45	
45	NIS200-150-315G/55		36		55	
46	NIS200-150-400G/75		47		75	
47	NIS200-150-400G/90		56		90	
48	NIS200-150-400G/110		63		110	

Performance curve

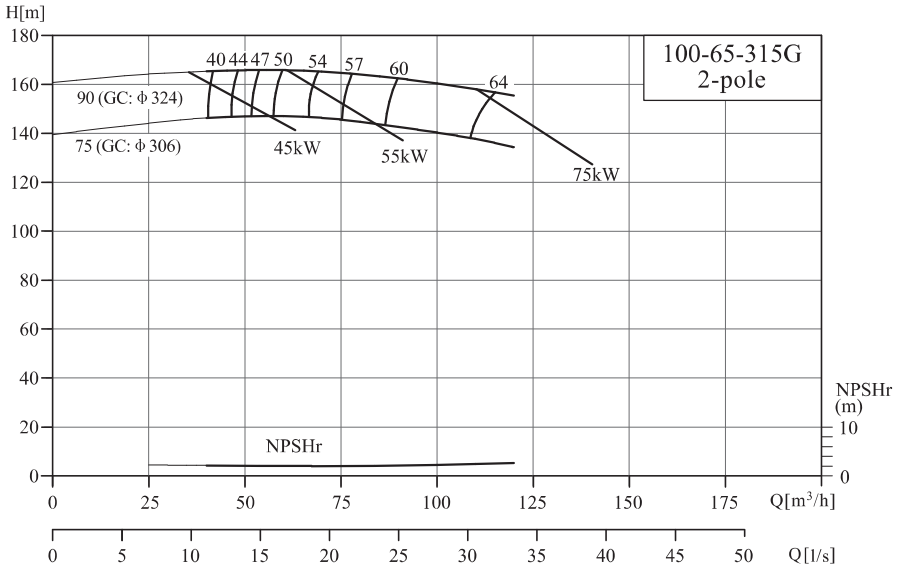
NIS100-65-200G/100-65-250G

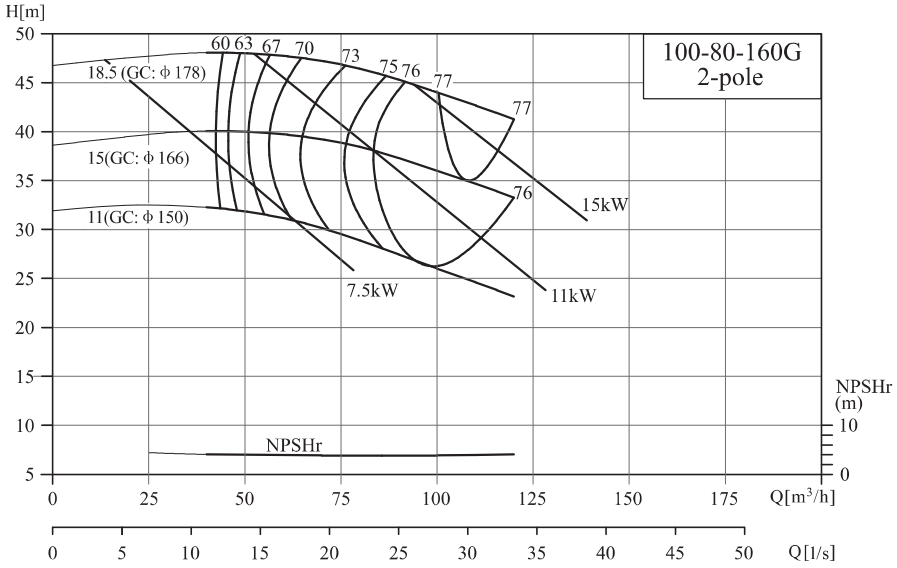




Performance curve

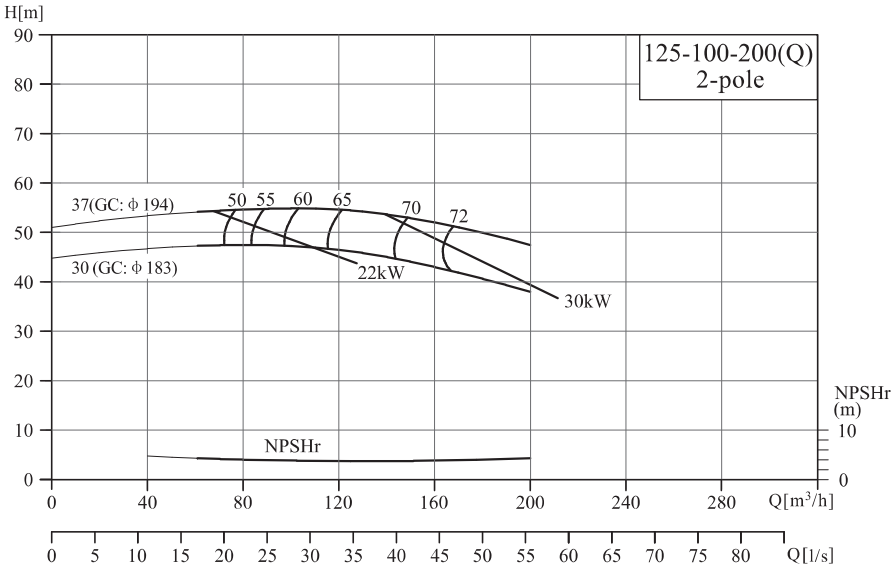
NIS100-65-315G/100-80-160G

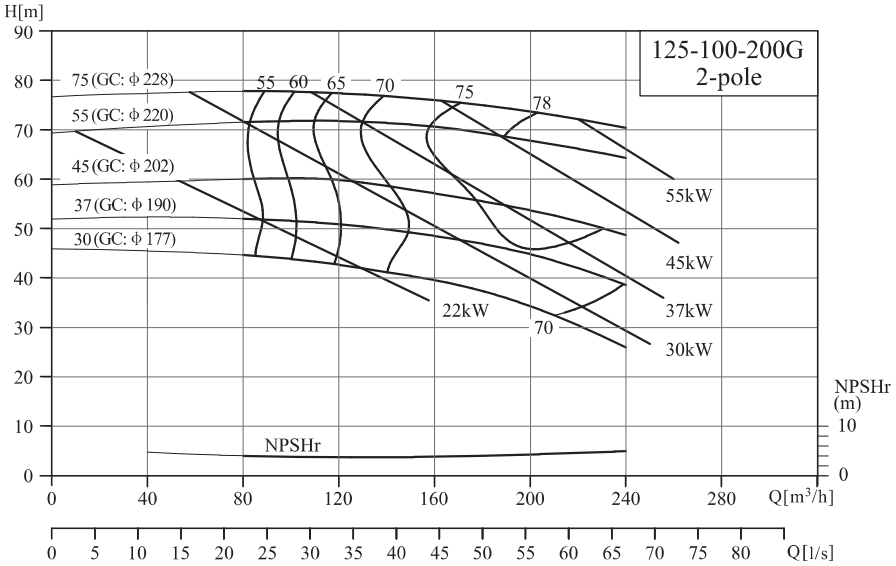




Performance curve

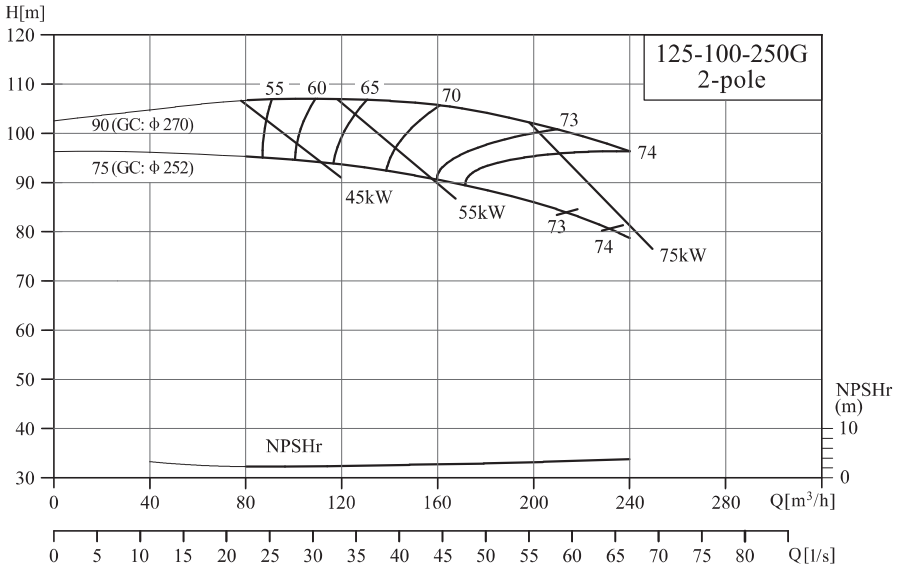
NIS125-100-200(Q)/125-100-200G

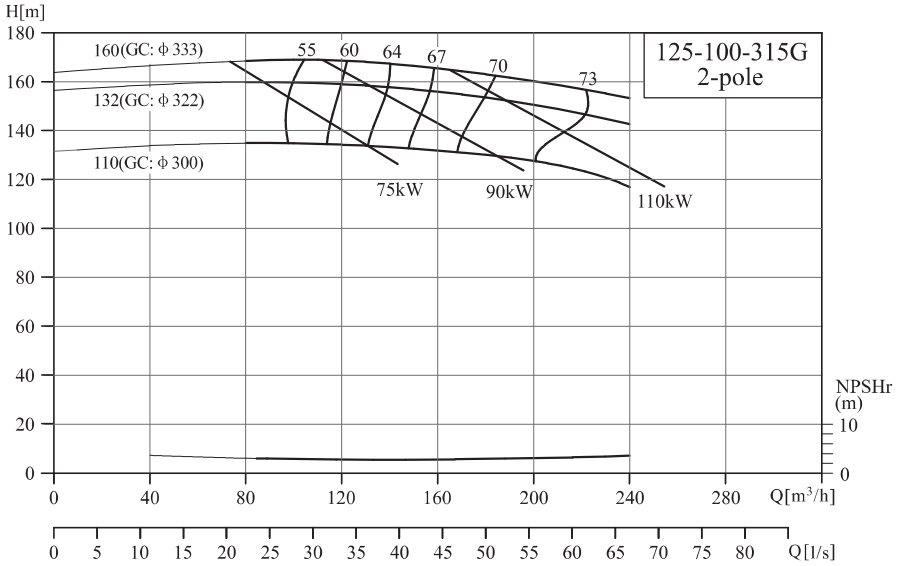




Performance curve

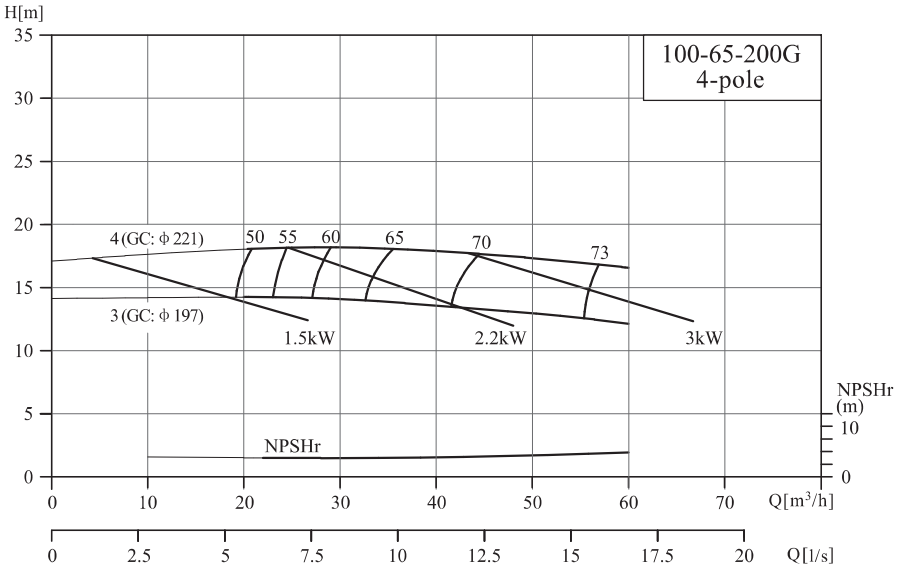
NIS125-100-250G/125-100-315G

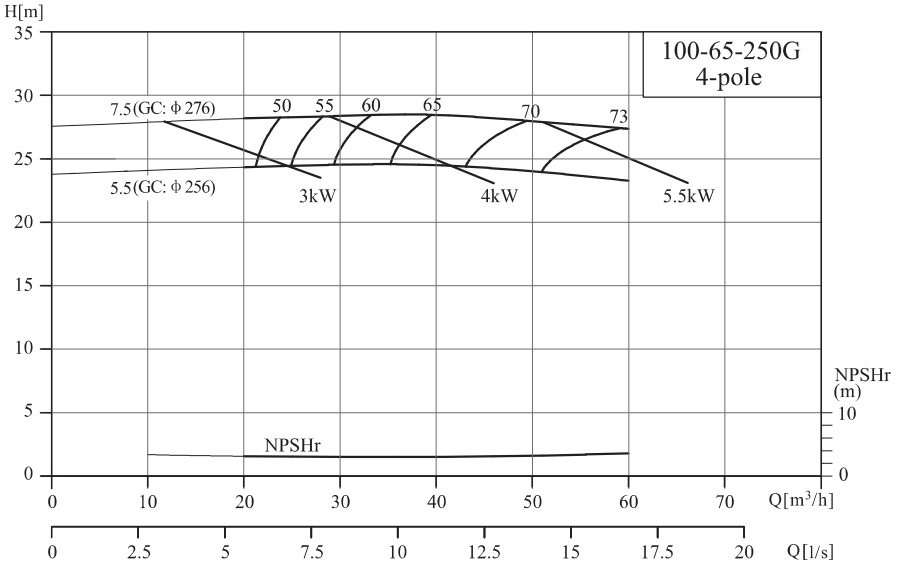




Performance curve

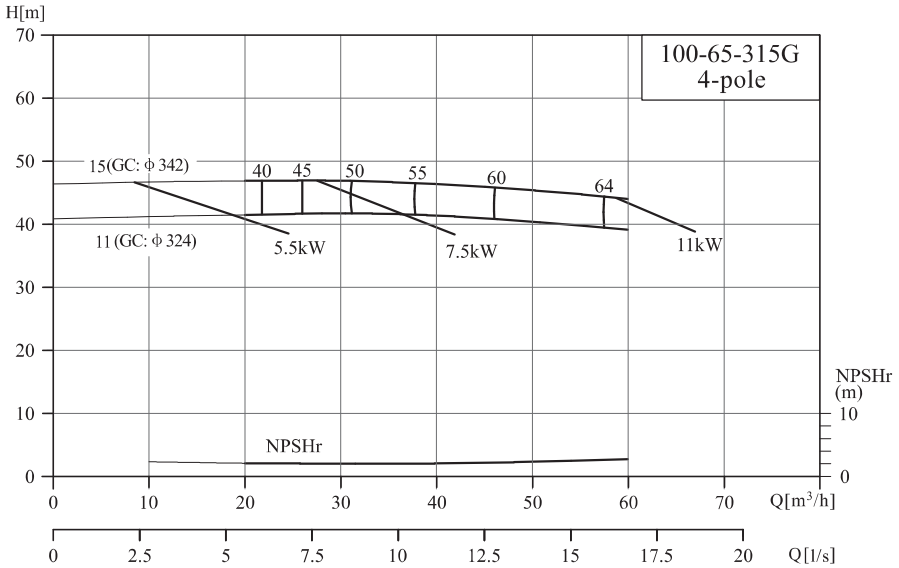
NIS100-65-200G/100-65-250G

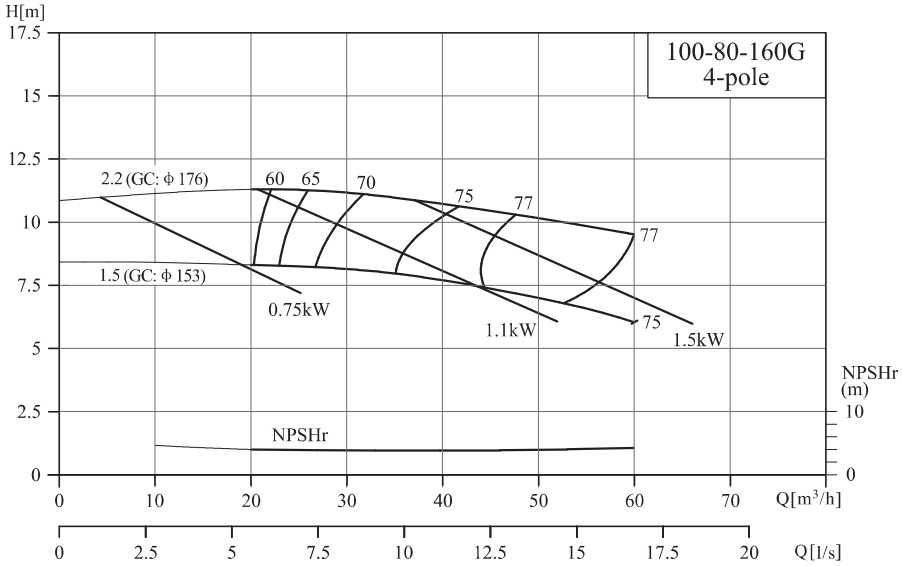




Performance curve

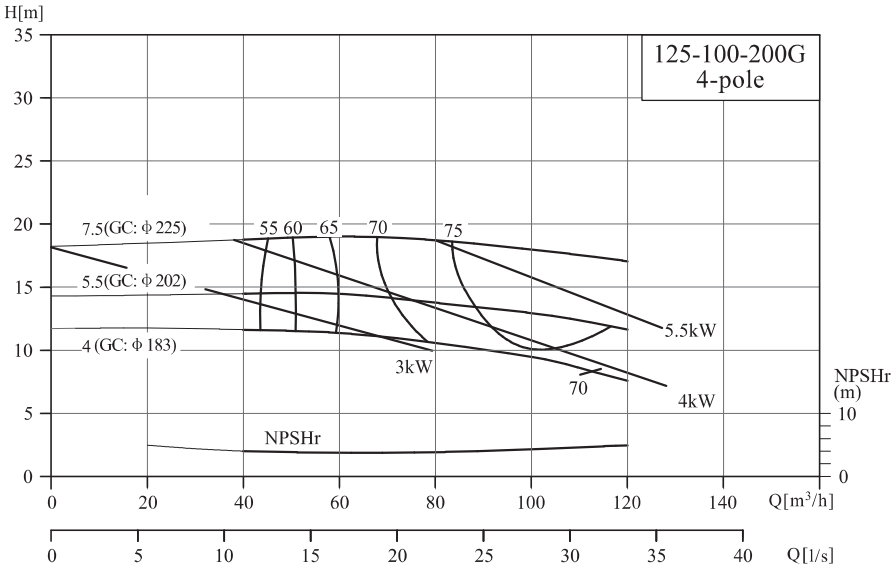
NIS100-65-315G/100-80-160G

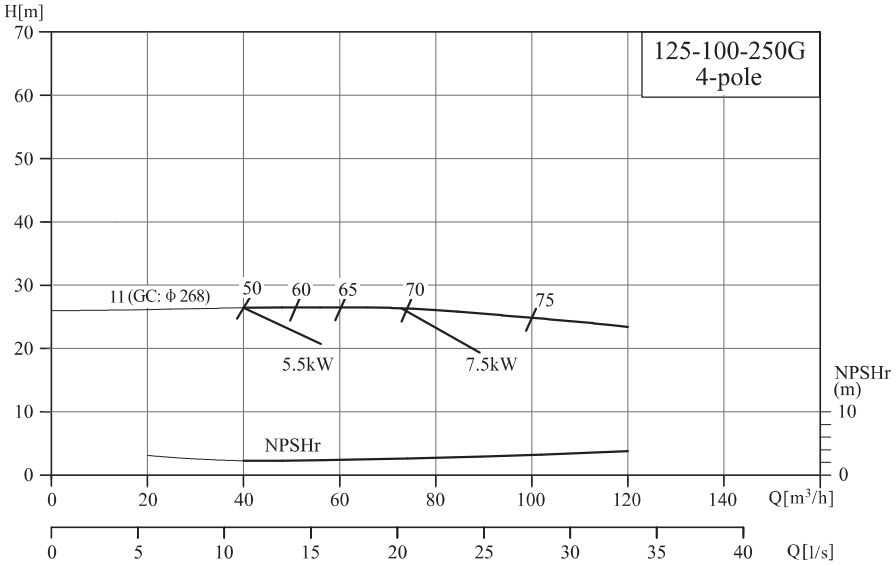




Performance curve

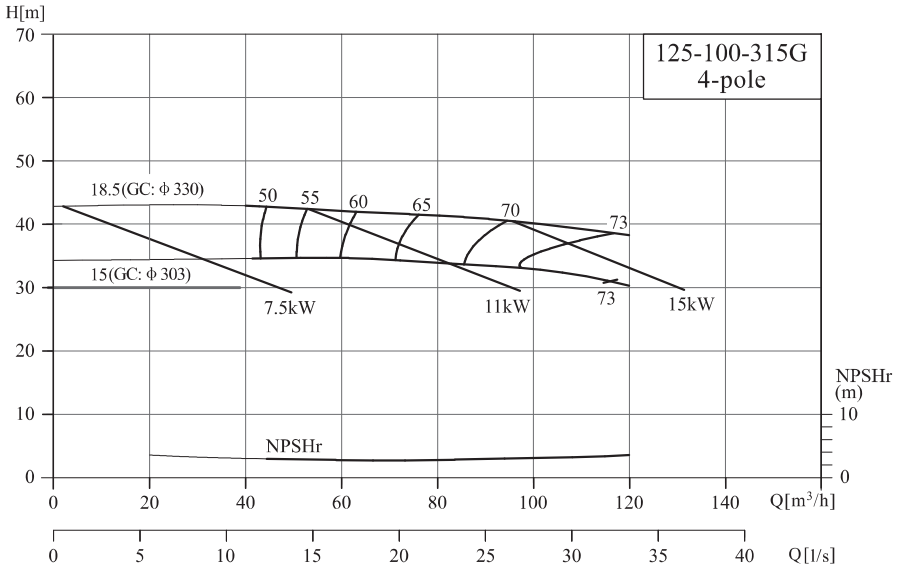
NIS125-100-200G/125-100-250G

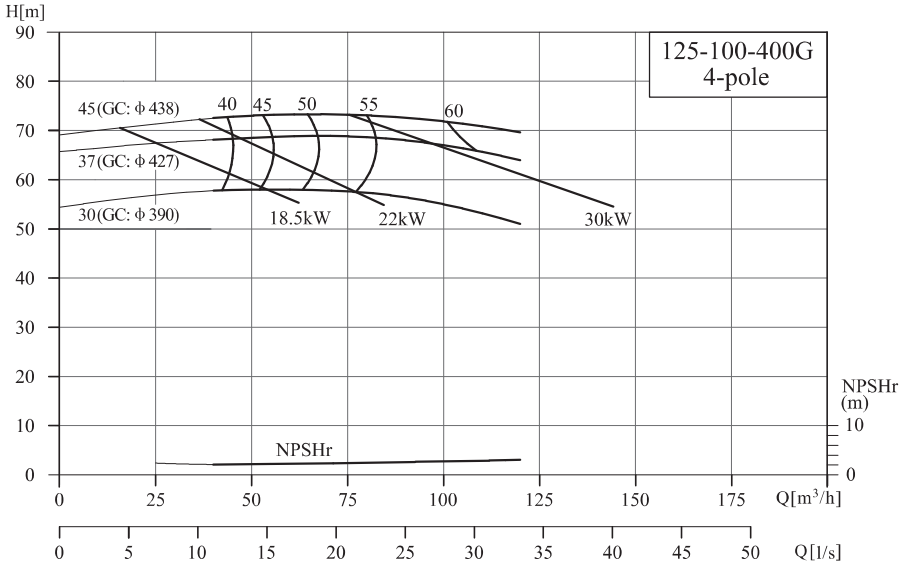




Performance curve

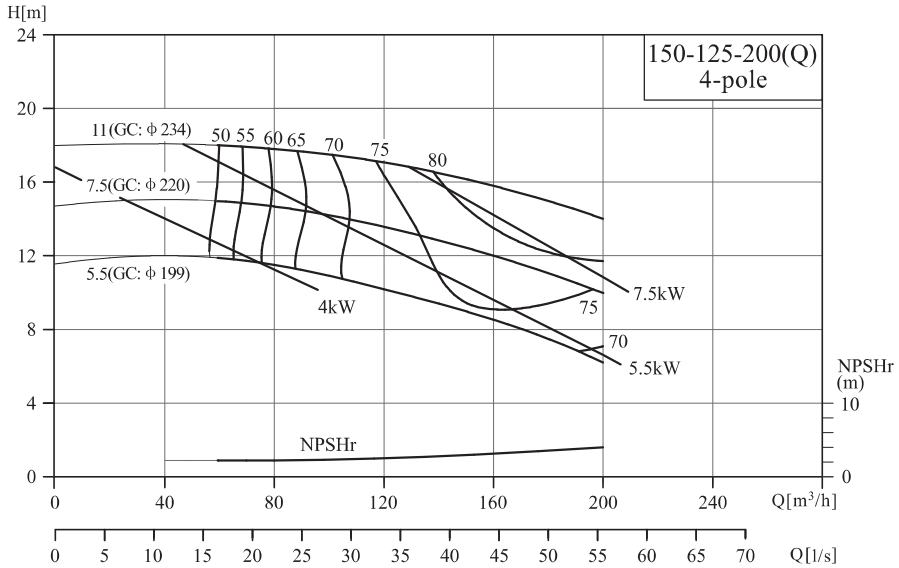
NIS125-100-315G/125-100-400G

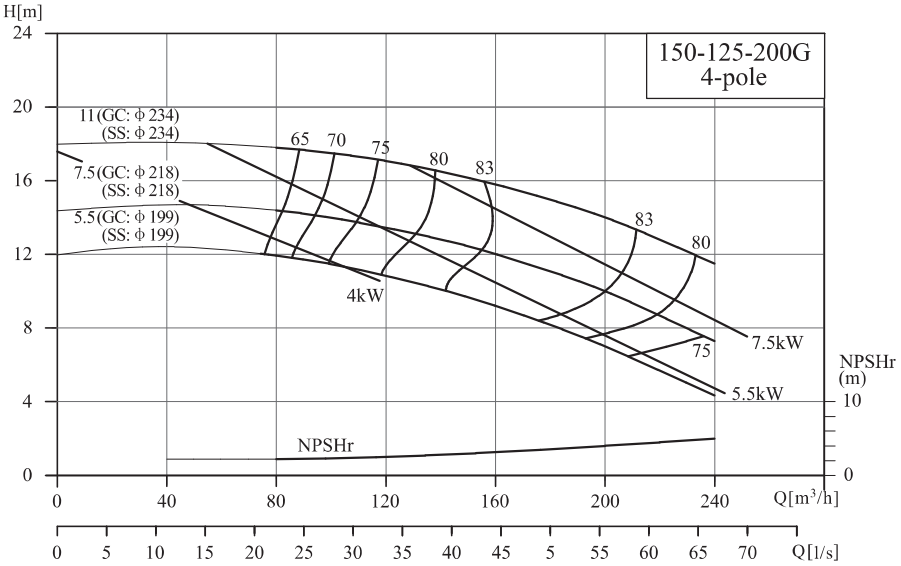




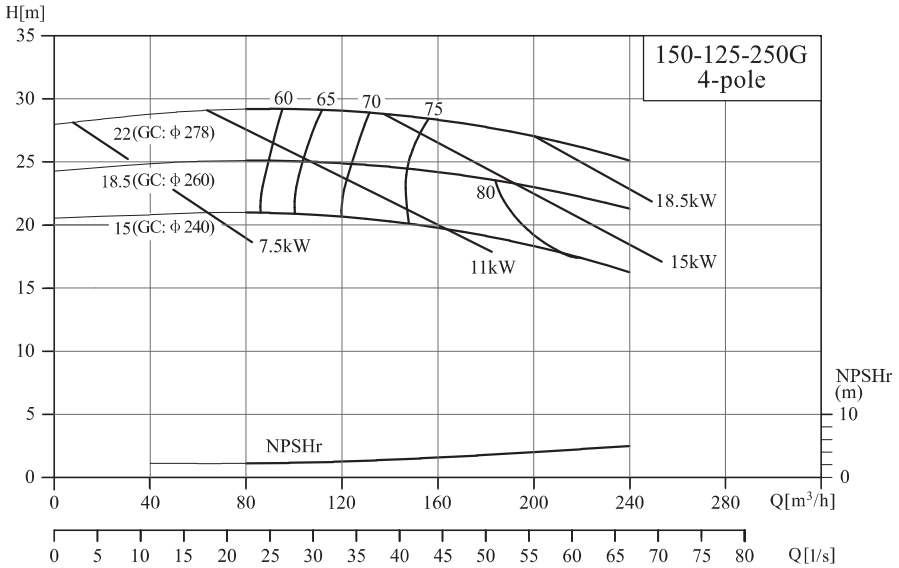
Performance curve

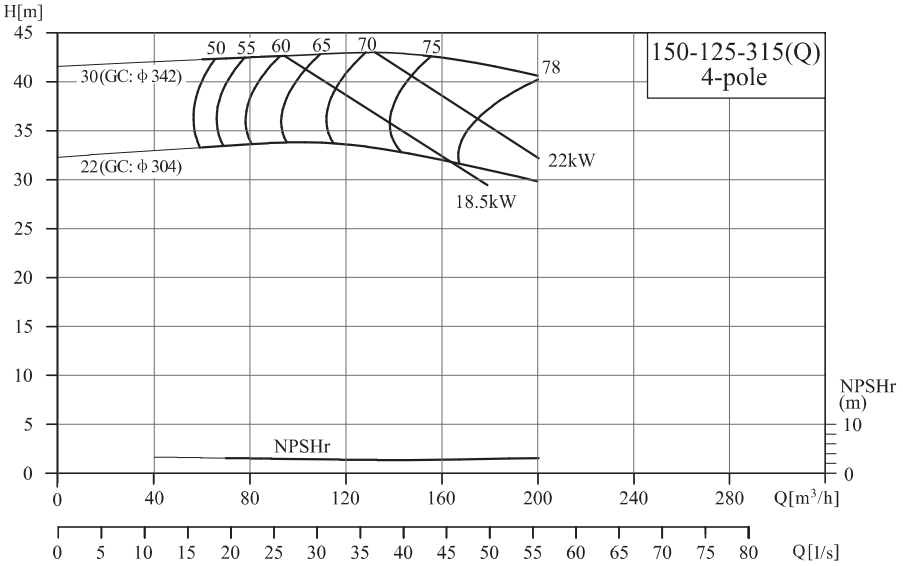
NIS150-125-200(Q)/150-125-200G





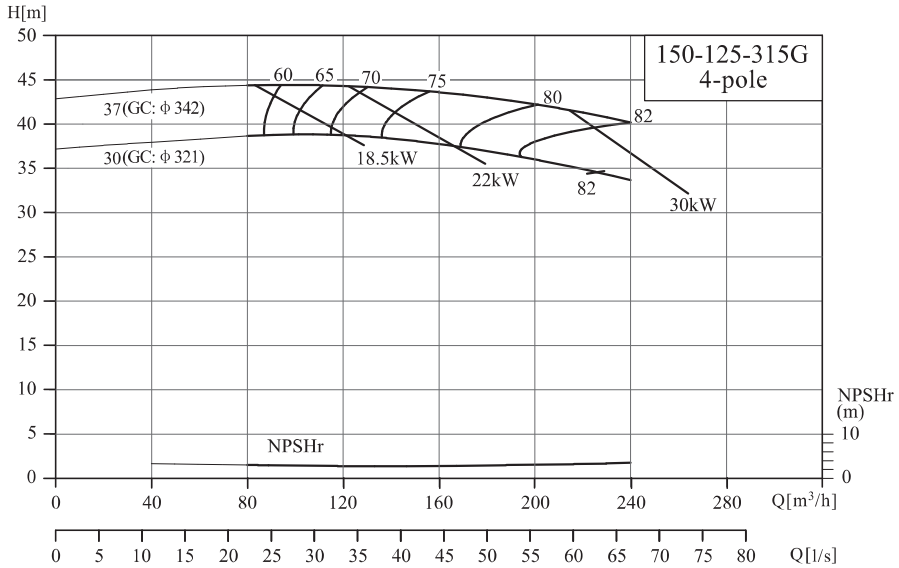
NIS150-125-250G/150-125-315(Q)

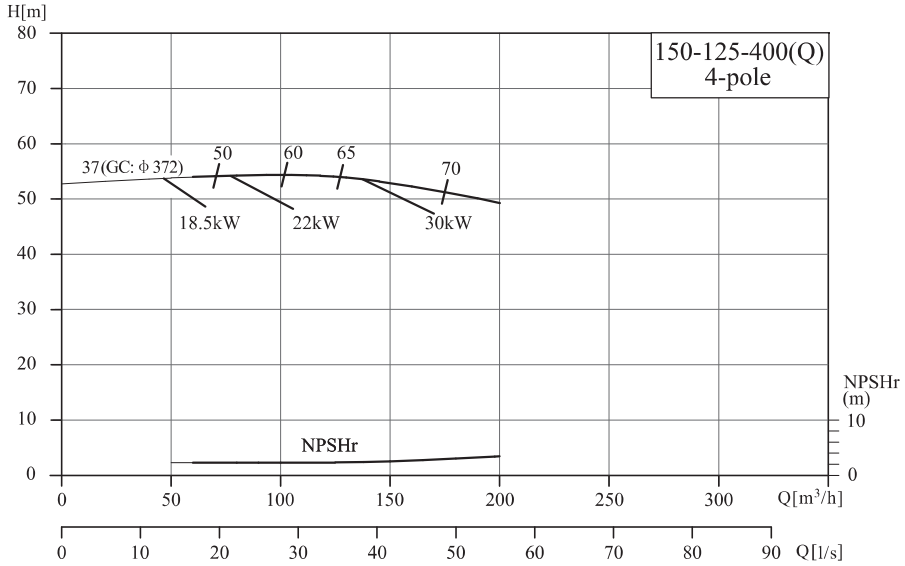




Performance curve

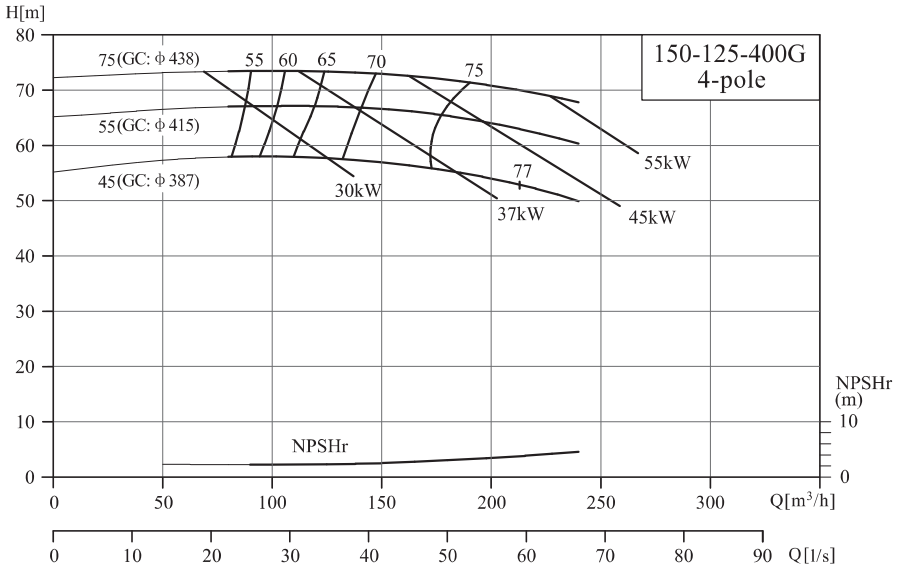
NIS150-125-315G/150-125-400(Q)

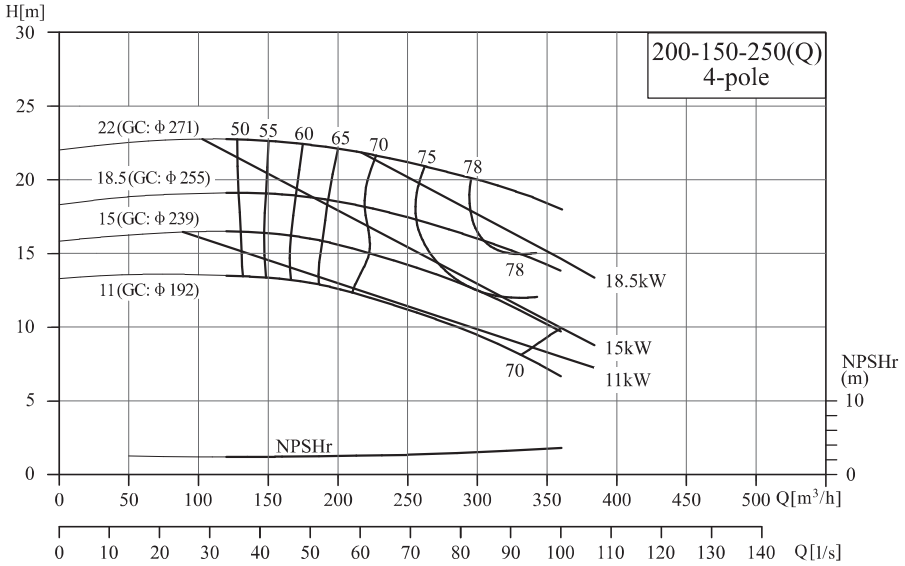




Performance curve

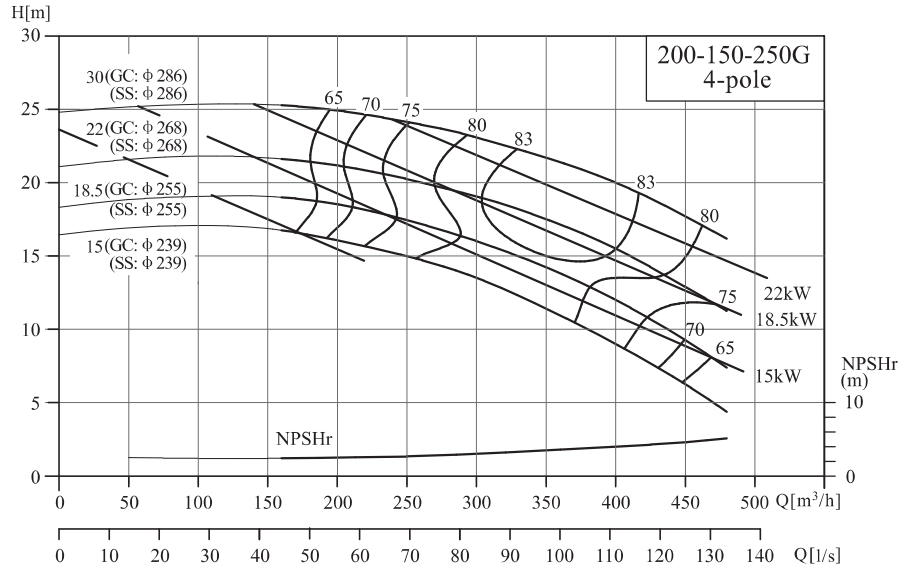
NIS150-125-400G/200-150-250(Q)

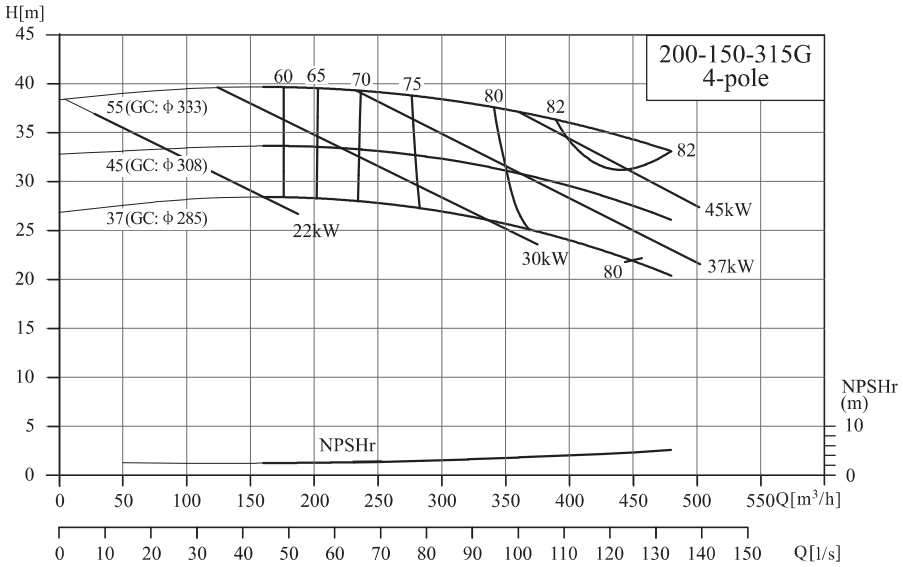




Performance curve

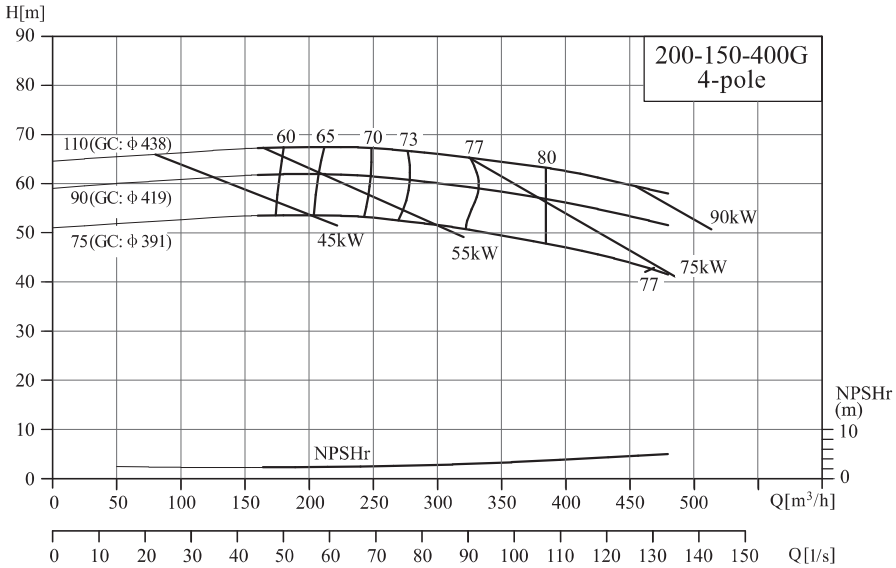
NIS200–150–250G/200–150–315G



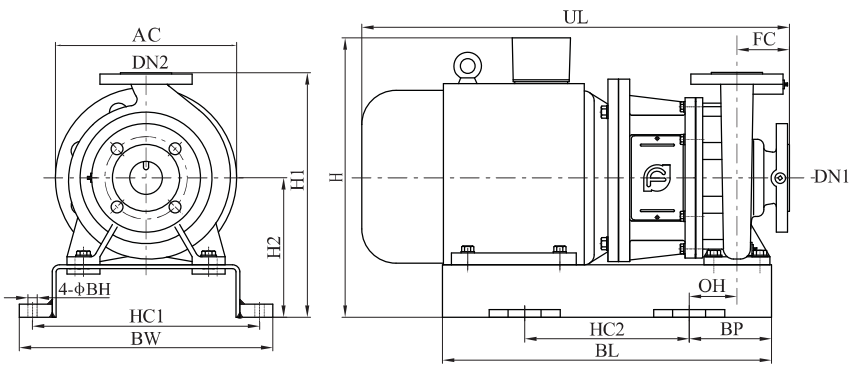


Performance curve

NIS200–150–400G



NIS*G,NIS*(Q) Dimension drawing



NIS*G,NIS*(Q) Dimension table

2-pole

Model	Power (kW)	H	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Total weight (kg)
100-65-200G	18.5	520	485	260	390	400	420	660	130	18	63.5	865	100	100	65	222
	22	535	485	260	430	400	460	700	150	18	81.5	895	100	100	65	257
	30	585	505	280	470	450	500	750	150	18	81.5	967	100	100	65	318
	37	585	505	280	470	450	500	750	150	18	81.5	967	100	100	65	337
100-65-250G	45	640	555	305	520	500	560	820	160	22	76.5	1042	125	100	65	426
	55	715	600	350	585	550	625	950	200	22	116.5	1156	125	100	65	529
100-65-315G	75	780	660	380	630	600	670	1000	200	22	114	1245	125	100	65	693
	90	780	660	380	630	600	670	1100	250	22	164	1295	125	100	65	730
100-80-160G	11	515	440	240	390	400	420	660	130	18	61.5	810	100	100	80	177
	15	515	440	240	390	400	420	660	130	18	61.5	810	100	100	80	187
	18.5	515	440	240	390	400	420	660	130	18	61.5	865	100	100	80	207
125-100-200(Q)	30	585	560	280	465	500	495	800	150	18	69	992	125	125	100	349
	37	585	560	280	465	500	495	800	150	18	69	992	125	125	100	368
125-100-200G	30	585	560	280	465	500	495	800	150	18	69	992	125	125	100	349
	37	585	560	280	465	500	495	800	150	18	69	992	125	125	100	368
	45	640	585	305	520	500	560	820	160	22	76.5	1042	125	125	100	431
	55	715	630	350	585	550	625	950	200	22	116.5	1156	125	125	100	534
	75	780	660	380	630	600	670	1000	200	22	114	1231	125	125	100	678

NIS*G,NIS*(Q) Dimension table

2-pole

Model	Power (kW)	H	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Total weight (kg)
125-100-250G	75	780	660	380	630	600	670	1000	200	22	114	1265	140	125	100	701
	90	780	660	380	630	600	670	1100	250	22	164	1315	140	125	100	738
125-100-315G	110	945	730	415	720	600	760	1100	250	22	164	1545	140	125	100	1170
	132	945	730	415	720	700	760	1220	260	22	174	1655	140	125	100	1230
	160	945	730	415	720	700	760	1220	260	22	174	1655	140	125	100	1350

4-pole

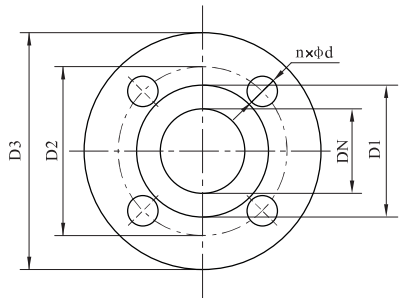
Model	Power (kW)	H	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Total weight (kg)
100-65-200G	3	430	485	260	386	300	416	500	100	14	35	591	100	100	65	109
	4	448	485	260	386	300	416	500	100	14	35	606	100	100	65	114
100-65-250G	5.5	493	530	280	430	350	460	550	100	14	20	687	125	100	65	147
	7.5	493	530	280	430	350	460	550	100	18	20	727	125	100	65	166
100-65-315G	11	565	585	305	470	400	500	700	150	18	70	854	125	100	65	249
	15	565	585	305	470	400	500	700	150	18	70	909	125	100	65	270
100-80-160G	1.5	400	440	240	350	250	380	410	105	14	40	536	100	100	80	76
	2.2	410	440	240	350	300	380	500	100	14	35	591	100	100	80	87
125-100-200G	4	468	560	280	430	300	460	500	100	14	20	631	125	125	100	136
	5.5	493	560	280	430	350	460	550	100	18	20	687	125	125	100	152
	7.5	493	560	280	430	350	460	550	100	18	20	727	125	125	100	171
125-100-250G	11	565	585	305	470	400	500	700	150	18	70	924	140	125	100	258
125-100-315G	15	590	645	330	470	400	500	700	150	18	69	869	140	125	100	281
	18.5	605	645	330	470	450	500	750	150	18	69	954	140	125	100	317
125-100-400G	30	665	715	360	580	500	620	800	150	22	50	1028	140	125	100	444
	37	715	735	380	585	550	625	950	200	22	100	1071	140	125	100	523
	45	715	735	380	585	550	625	950	200	22	100	1101	140	125	100	552
150-125-200(Q)	5.5	543	630	330	470	350	500	570	100	18	20	721	140	150	125	168
	7.5	543	630	330	470	350	500	570	100	18	20	761	140	150	125	180
	11	590	630	330	470	400	500	700	150	18	69	869	140	150	125	235
150-125-200G	5.5	543	630	330	470	350	500	570	100	18	20	721	140	150	125	168
	7.5	543	630	330	470	350	500	570	100	18	20	761	140	150	125	180
	11	590	630	330	470	400	500	700	150	18	69	869	140	150	125	235
150-125-250G	15	590	685	330	470	400	500	700	150	18	69	924	140	150	125	284
	18.5	605	685	330	470	450	500	750	150	18	69	954	140	150	125	315
	22	605	685	330	470	450	500	750	150	18	69	994	140	150	125	333

NIS*G,NIS*(Q) Dimension table

4-pole

Model	Power (kW)	H	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Total weight (kg)
150-125-315(Q)	22	635	715	360	580	500	620	800	150	22	50	994	140	150	125	400
	30	665	715	360	580	500	620	800	150	22	50	1028	140	150	125	430
150-125-315G	30	665	715	360	580	500	620	800	150	22	50	1028	140	150	125	430
	37	715	735	380	585	550	625	950	200	22	100	1071	140	150	125	507
150-125-400(Q)	37	750	815	415	585	550	625	950	200	22	100	1071	140	150	125	521
150-125-400G	45	750	815	415	585	550	625	950	200	22	100	1103	140	150	125	561
	55	780	815	415	585	550	625	950	200	22	100	1187	140	150	125	620
	75	815	815	415	630	600	670	1000	200	22	100	1262	140	150	125	776
200-150-250(Q)	11	620	735	360	580	500	620	800	150	22	50	901	160	200	150	273
	15	620	735	360	580	500	620	800	150	22	50	956	160	200	150	299
	18.5	635	735	360	580	500	620	800	150	22	50	988	160	200	150	337
	22	635	735	360	580	500	620	800	150	22	50	1026	160	200	150	360
200-150-250G	15	620	735	360	580	500	620	800	150	22	50	956	160	200	150	299
	18.5	635	735	360	580	500	620	800	150	22	50	988	160	200	150	337
	22	635	735	360	580	500	620	800	150	22	50	1026	160	200	150	360
	30	665	735	360	580	500	620	800	150	22	50	1048	160	200	150	426
200-150-315G	37	750	815	415	605	500	670	900	200	22	100	1116	160	200	150	541
	45	750	815	415	605	500	645	900	200	22	100	1146	160	200	150	579
	55	780	815	415	605	600	645	1000	200	22	100	1254	160	200	150	650
200-150-400G	75	815	865	415	630	600	675	1100	250	22	150	1329	160	200	150	859
	90	815	865	415	630	600	675	1100	250	22	150	1379	160	200	150	956
	110	945	865	415	720	700	760	1220	260	22	160	1614	160	200	150	1325

NIS*G,NIS*(Q) Flange



NIS*G,NIS*(Q) Flange dimension

DN	D1	D2	D3	n	d
65	122	145	185	4	18
80	133	160	200	8	18
100	158	180	220	8	18
125	184	210	250	8	18
150	212	240	285	8	22
200	268	295	340	12	22

NISO, NIS, NISF Product range

2-pole

No.	Model	Q [m³/h]	H [m]	Motor [kW]	n [r/min]
1	50-32-160/3	12.5	28	3	2900
2	50-32-160/4		36	4	
3	50-32-160/5.5		44	5.5	
4	50-32-200/7.5		55	7.5	
5	50-32-200/11		74	11	2950
6	65-40-200/7.5	25	48	7.5	2900
7	65-40-200/11		62	11	2950
8	65-40-200/15		72	15	
9	65-40-250/18.5		84	18.5	
10	65-40-250/22		95	22	
11	65-40-250/30		105	30	
12	65-40-315/22		105	22	
13	65-40-315/30		120	30	
14	65-40-315/37		145	37	
15	65-40-315/45		165	45	
16	65-50-160/4		28	4	2900
17	65-50-160/5.5		36	5.5	
18	65-50-160/7.5		42	7.5	
19	80-50-200/11	50	44	11	2950
20	80-50-200/15		57	15	
21	80-50-200/18.5		64	18.5	
22	80-50-200/22		71	22	
23	80-50-250/30		84	30	
24	80-50-250/37		100	37	
25	80-50-315/37		105	37	
26	80-50-315/45		125	45	
27	80-50-315/55		140	55	
28	80-50-315/75		152	75	

NISO, NIS, NISF Product range

2-pole

No.	Model	Q [m³/h]	H [m]	Motor [kW]	n [r/min]
29	80-65-160/5.5	50	22	5.5	2900
30	80-65-160/7.5		29	7.5	
31	80-65-160/11		38	11	2950
32	80-65-160/15		44	15	
33	100-65-200/18.5	100	36	18.5	
34	100-65-200/22		43	22	
35	100-65-200/30		56	30	
36	100-65-200/37		67	37	
37	100-65-250/45		80	45	
38	100-65-250/55		88	55	
39	100-65-250/75		108	75	
40	100-65-315/90		128	90	
41	100-65-315/110		148	110	
42	100-80-160/11		23	11	
43	100-80-160/15		30	15	
44	100-80-160/18.5		35	18.5	
45	100-80-160/22		40	22	
46	125-100-200/30	200	34	30	
47	125-100-200/37		41	37	
48	125-100-200/45		48	45	
49	125-100-200/55		55	55	
50	125-100-200/75		66	75	
51	125-100-250/75		75	75	
52	125-100-250/90		86	90	
53	125-100-250/110		100	110	
54	125-100-315/90		93	90	
55	125-100-315/110		108	110	
56	125-100-315/132		124	132	
57	125-100-315/160		144	160	

NISO, NIS, NISF Product range

4-pole

No.	Model	Q [m³/h]	H [m]	Motor [kW]	n [r/min]
1	50-32-160/0.55	6.3	8.5	0.55	1450
2	50-32-160/0.75		11	0.75	
3	50-32-200/1.1		14	1.1	
4	50-32-200/1.5		18	1.5	
5	65-40-200/1.1	12.5	12	1.1	
6	65-40-200/1.5		15	1.5	
7	65-40-200/2.2		17.5	2.2	
8	65-40-250/3		25	3	
9	65-40-315/4		34	4	
10	65-40-315/5.5		40	5.5	
11	65-50-160/0.55		7	0.55	
12	65-50-160/0.75		9	0.75	
13	65-50-160/1.1		10.5	1.1	
14	80-50-200/1.5	25	11	1.5	
15	80-50-200/2.2		15	2.2	
16	80-50-200/3		17.5	3	
17	80-50-250/4		21	4	
18	80-50-250/5.5		25	5.5	
19	80-50-315/5.5		30	5.5	
20	80-50-315/7.5		37	7.5	
21	80-65-160/0.75		6	0.75	
22	80-65-160/1.1		8	1.1	
23	80-65-160/1.5		10.5	1.5	
24	100-65-200/3	50	11.5	3	
25	100-65-200/4		14	4	
26	100-65-200/5.5		16	5.5	
27	100-65-250/5.5		20	5.5	
28	100-65-250/7.5		25	7.5	
29	100-65-315/11		32	11	1480

NISO, NIS, NISF Product range

4-pole

No.	Model	Q [m³/h]	H [m]	Motor [kW]	n [r/min]
30	100-65-315/15	50	40	15	1480
31	100-80-160/1.5		6.5	1.5	1450
32	100-80-160/2.2		9	2.2	
33	100-80-160/3		10.5	3	
34	125-80-400/15		39	15	1480
35	125-80-400/18.5		45	18.5	
36	125-80-400/22		50	22	
37	125-80-400/30		60	30	
38	125-80-400/37		67	37	
39	125-100-200/4	100	9	4	1450
40	125-100-200/5.5		11.5	5.5	
41	125-100-200/7.5		14	7.5	
42	125-100-200/11		16.5	11	1480
43	125-100-250/15		25	15	
44	125-100-315/11		23	11	
45	125-100-315/18.5		32	18.5	
46	125-100-315/22		36	22	
47	125-100-315/30		40	30	
48	125-100-400/30		50	30	
49	125-100-400/37		58	37	
50	125-100-400/45		65	45	
51	150-125-250/11	200	12.5	11	
52	150-125-250/15		16	15	
53	150-125-250/18.5		20	18.5	
54	150-125-250/22		24	22	
55	150-125-315/30		32	30	
56	150-125-315/37		39	37	
57	150-125-400/45		50	45	
58	150-125-400/55		57	55	

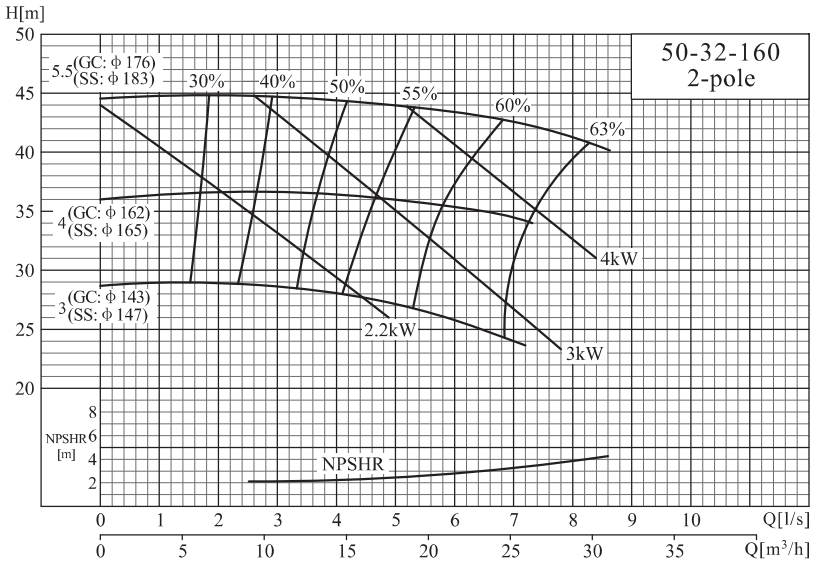
NISO, NIS, NISF Product range

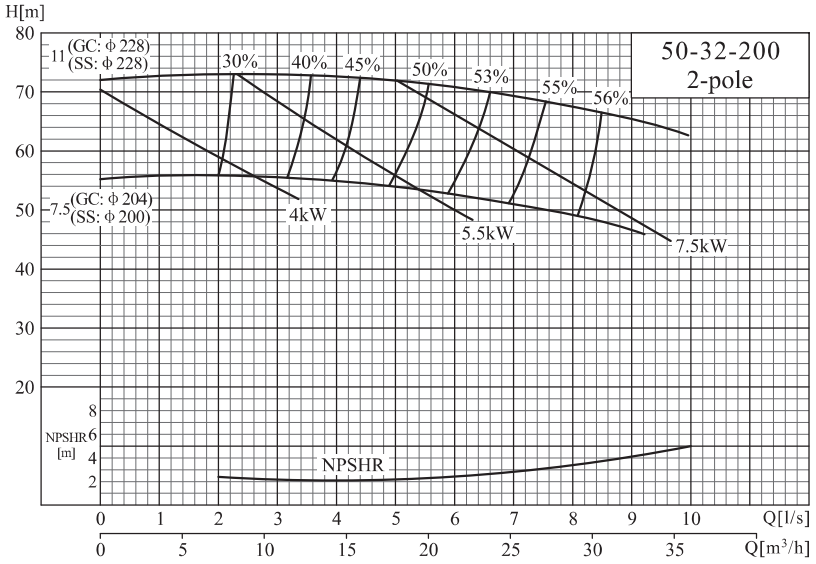
4-pole

No.	Model	Q [m³/h]	H [m]	Motor [kW]	n [r/min]
59	150-125-400/75	200	68	75	1480
60	200-150-315/37	400	23	37	
61	200-150-315/45		27	45	
62	200-150-315/55		32	55	
63	200-150-315/75		38	75	
64	200-150-400/75		43	75	
65	200-150-400/90		50	90	
66	200-150-400/110		62	110	
67	250-200-315/37	500	20	37	
68	250-200-315/45		23	45	
69	250-200-315/55	630	24	55	
70	250-200-315/75		32	75	
71	250-200-400/90		37	90	
72	250-200-400/110		44	110	
73	250-200-400/132		53	132	
74	250-200-400/160		60	160	
75	300-250-315(Q)/75	800	26	75	
76	300-250-315(Q)/90		32	90	
77	300-250-315(Q)/110		35	110	
78	300-250-400(Q)/110		38	110	
79	300-250-400(Q)/132		45	132	
80	300-250-400(Q)/160		53	160	
81	300-250-400(Q)/200		63	200	
82	300-250-315/75	1000	20	75	
83	300-250-315/90		25	90	
84	300-250-315/110		31	110	
85	300-250-400/132		37	132	
86	300-250-400/160		45	160	
87	300-250-400/200		50	200	

Performance curve

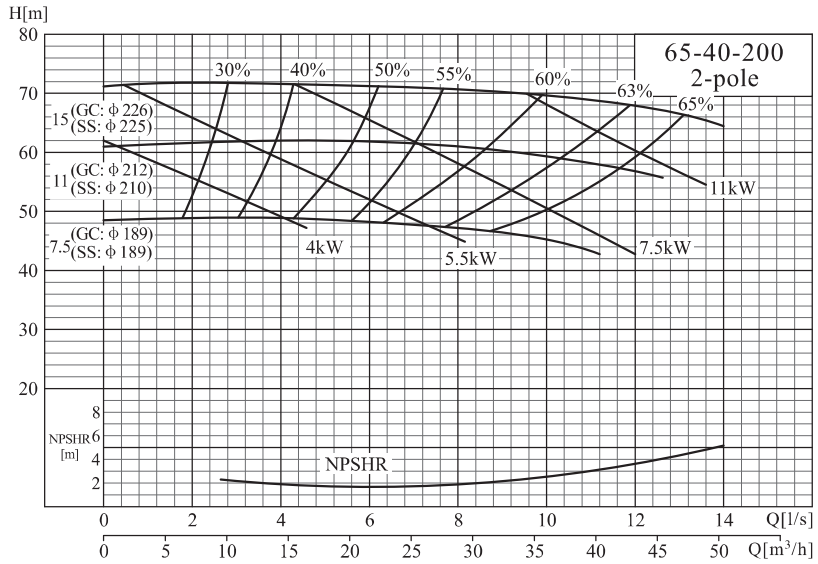
NISO,NIS,NISF 50–32–160/50–32–200

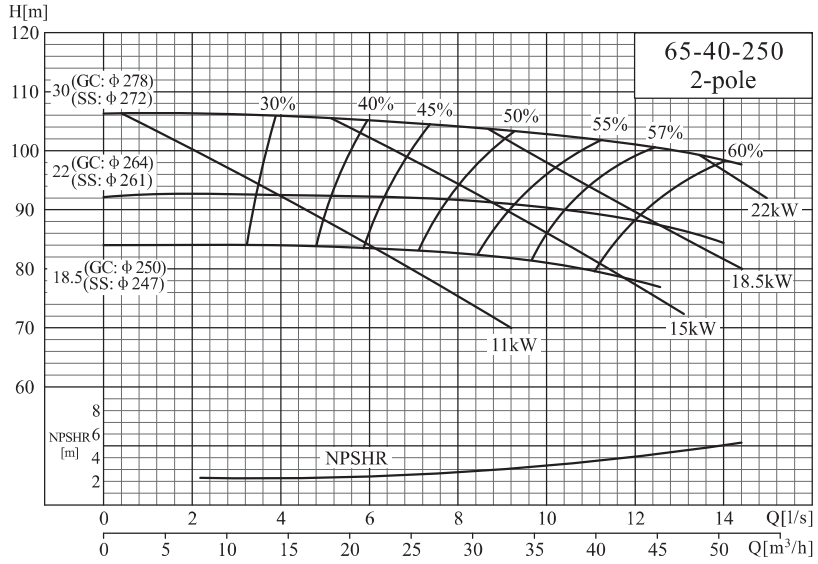




Performance curve

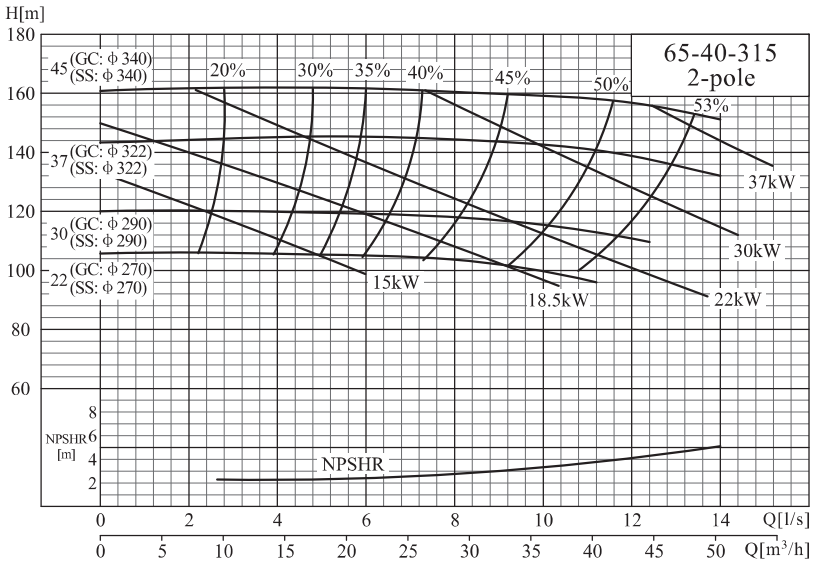
NISO,NIS,NISF 65–40–200/65–40–250

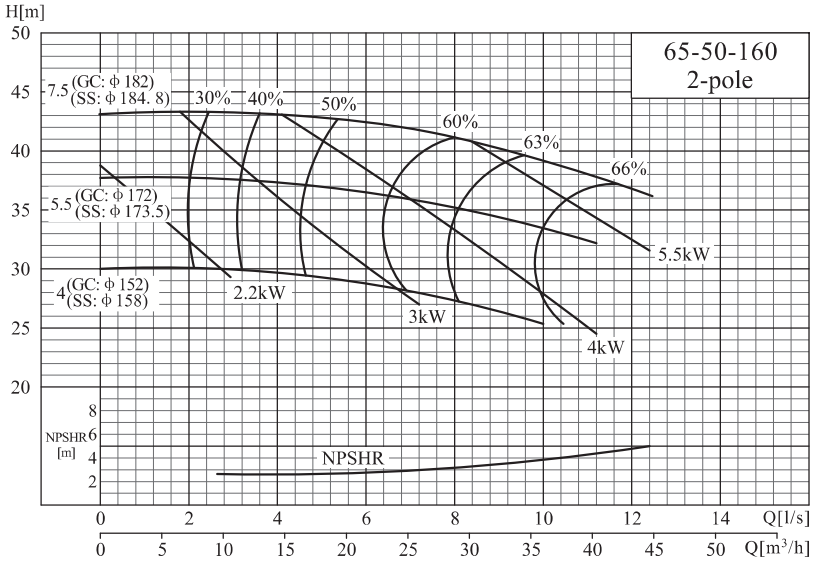




Performance curve

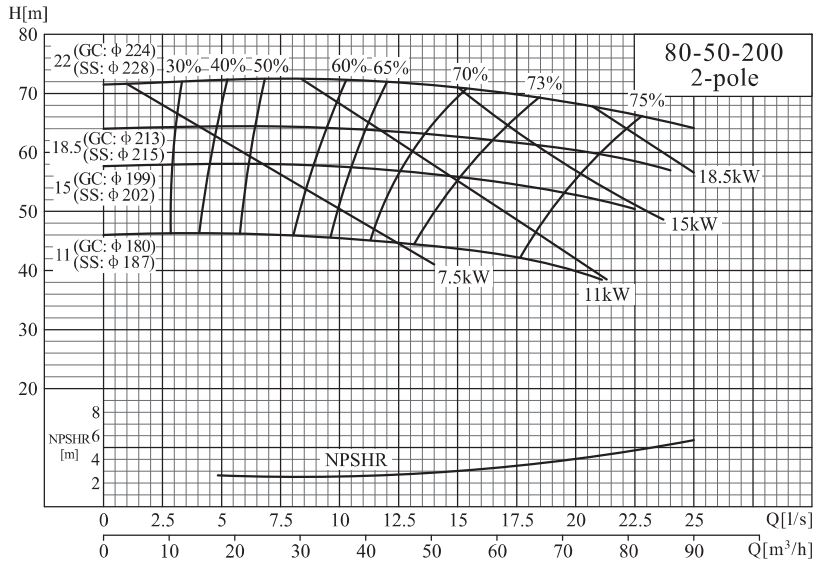
NISO,NIS,NISF 65–40–315/65–50–160

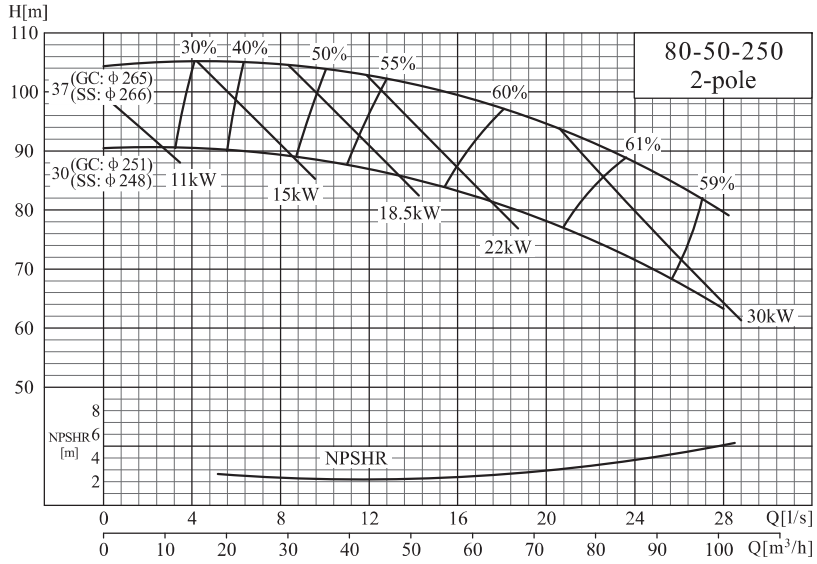




Performance curve

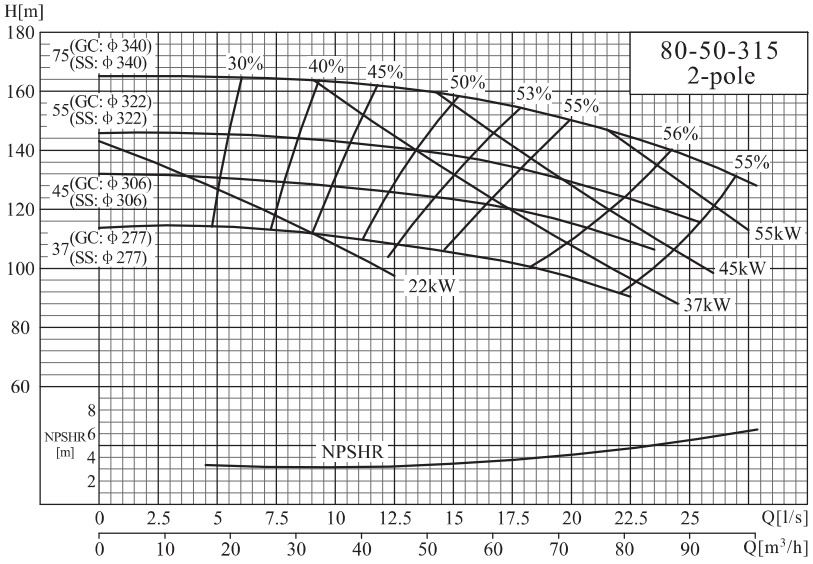
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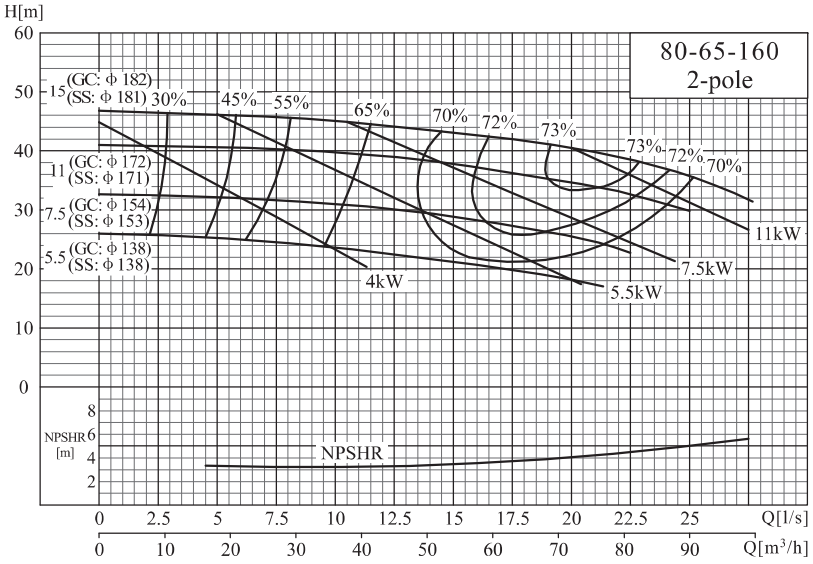




Performance curve

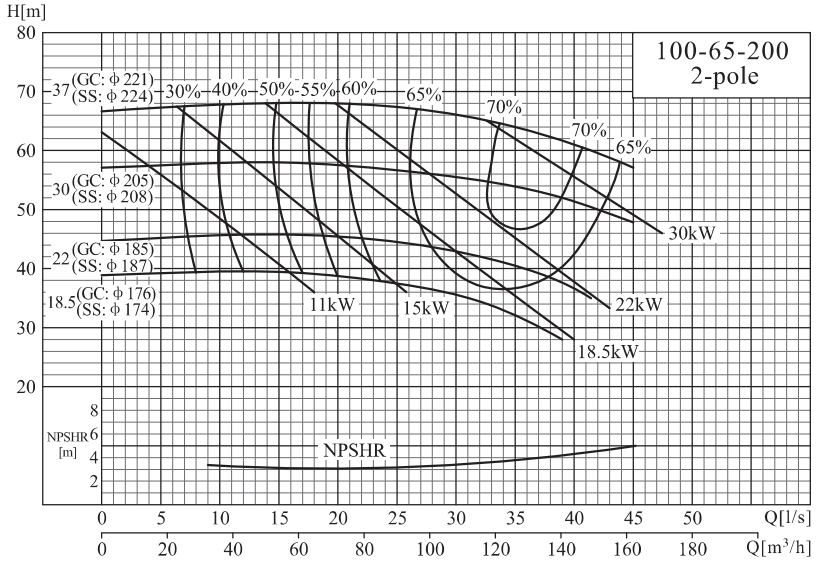
NISO,NIS,NISF 80-50-315/80-65-160

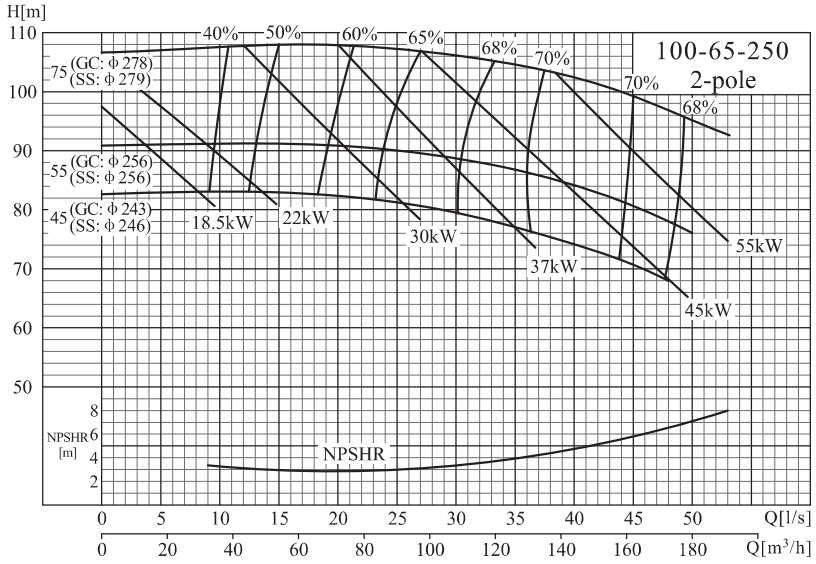




Performance curve

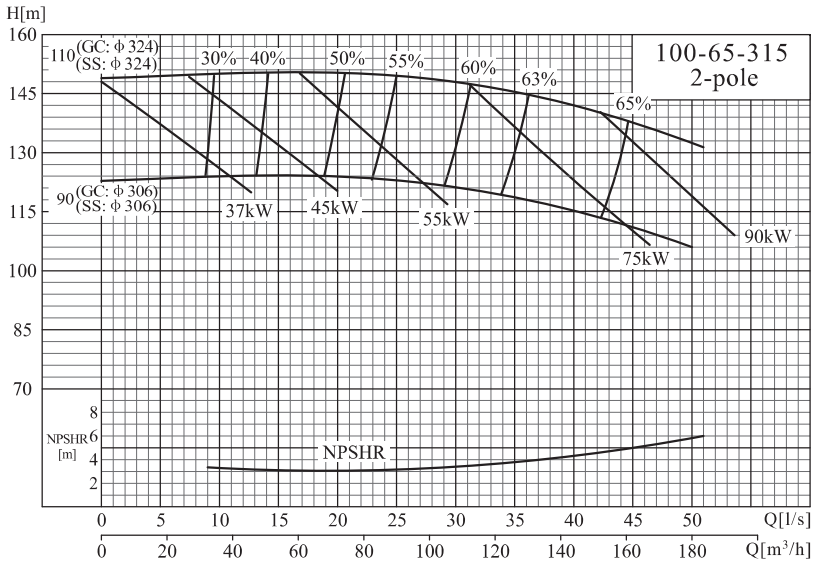
NISO,NIS,NISF 100-65-200/100-65-250

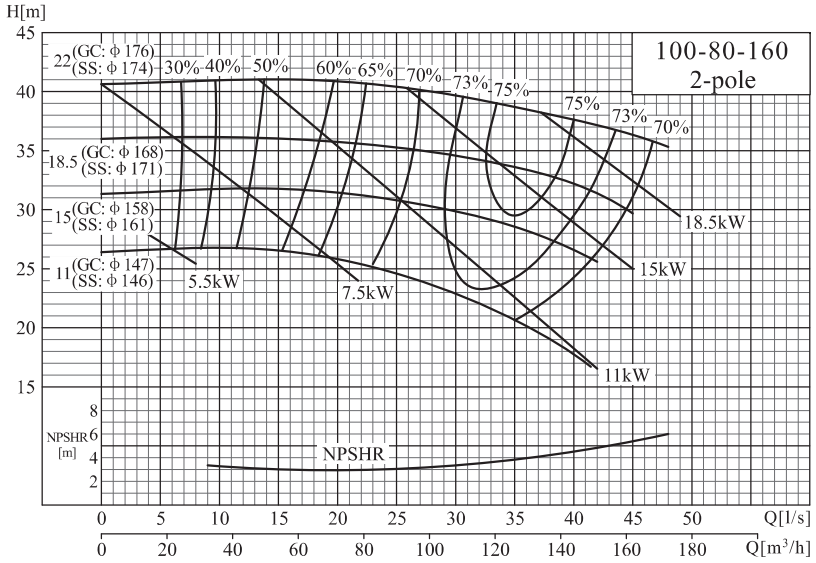




Performance curve

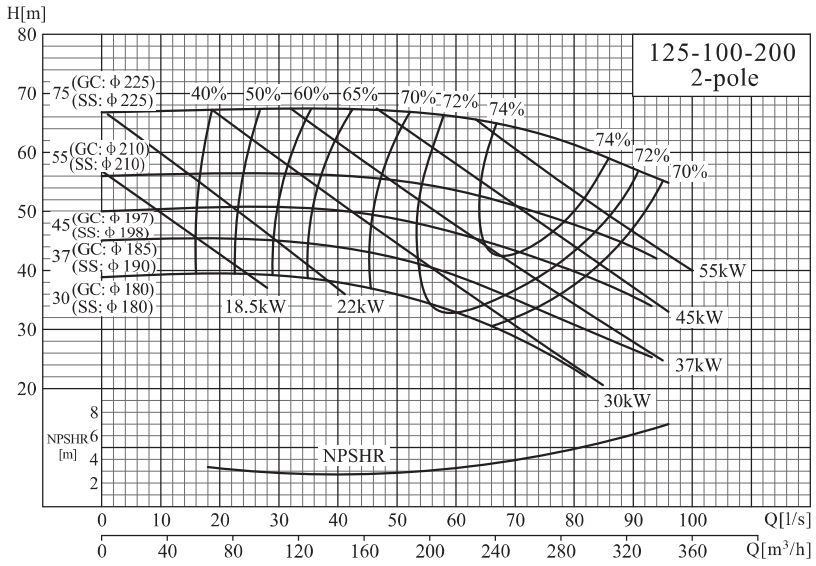
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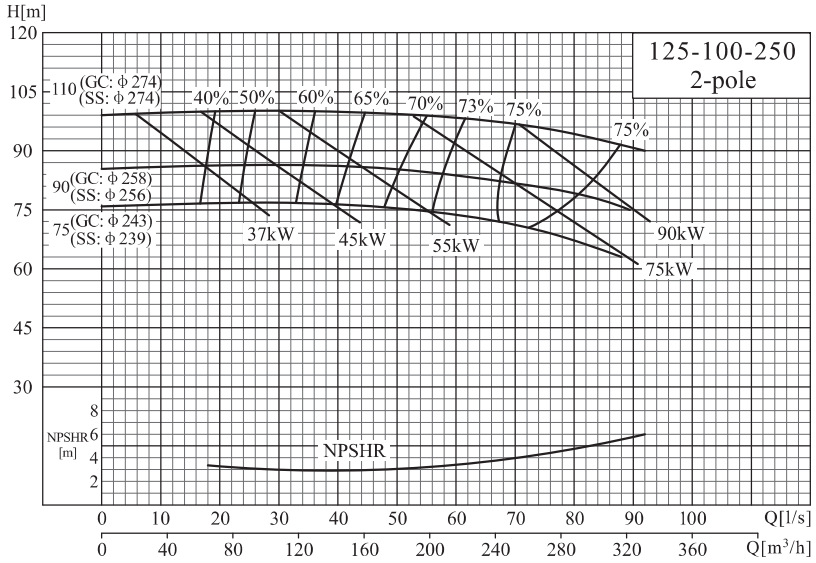




Performance curve

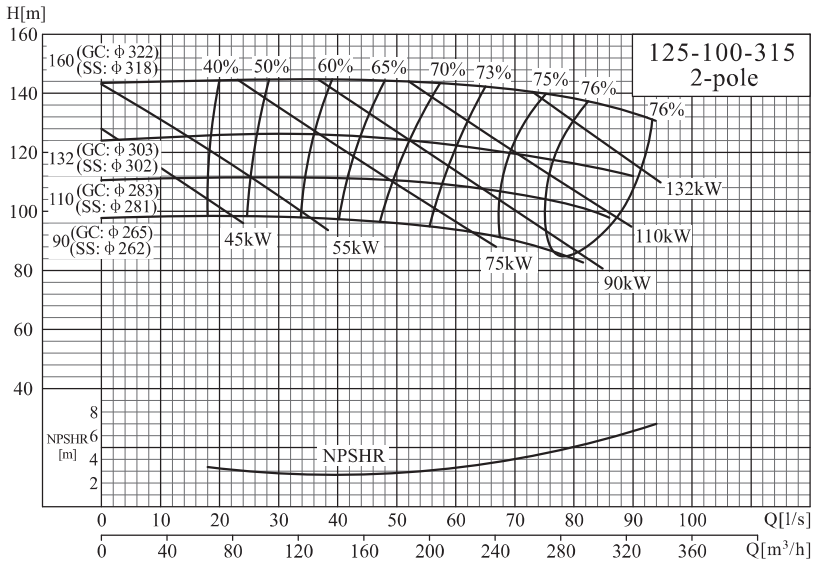
NISO,NIS,NISF125-100-200/125-100-250

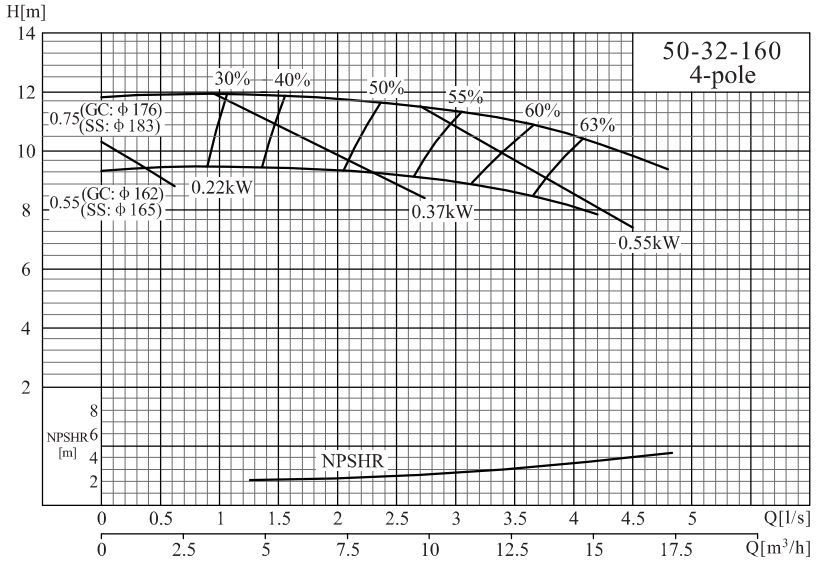




Performance curve

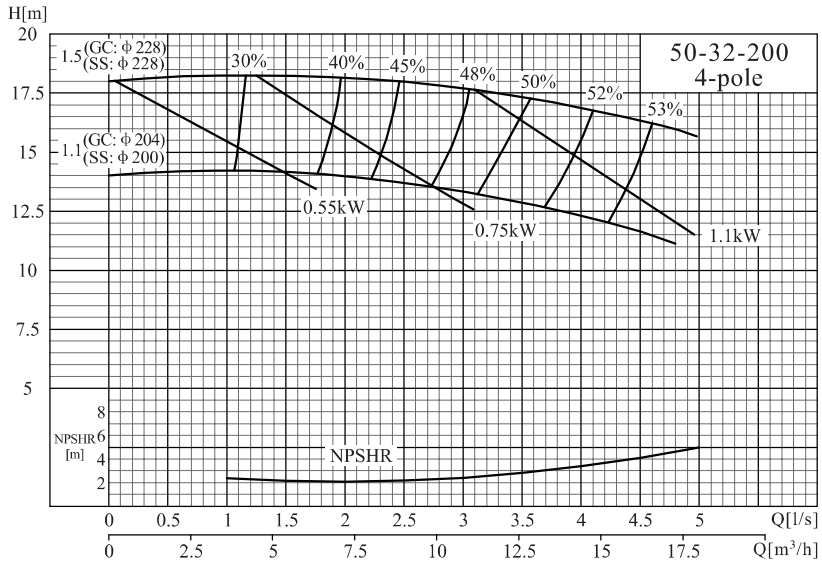
NISO,NIS,NISF 125-100-315/50-32-160

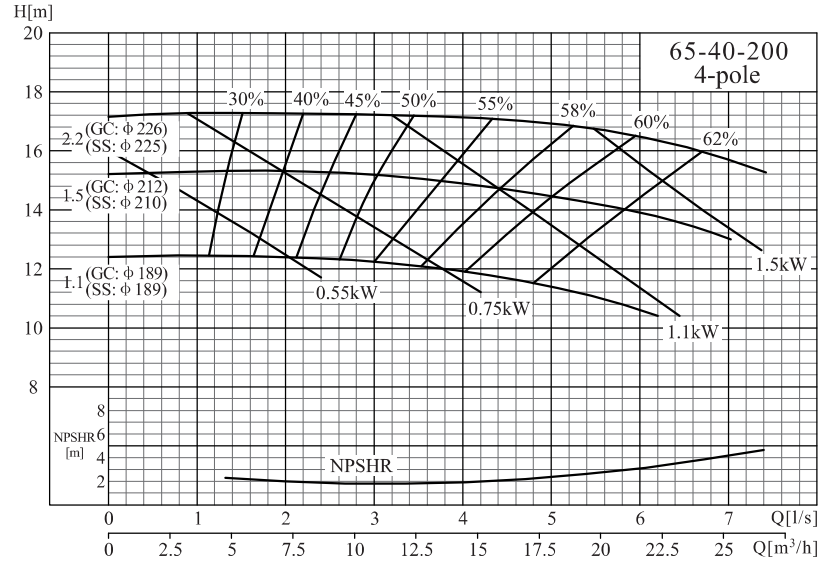




Performance curve

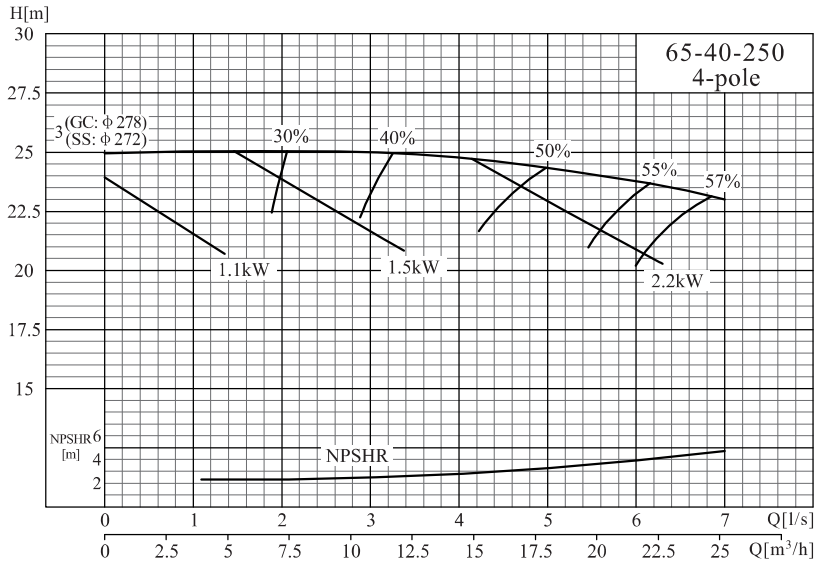
NISO,NIS,NISF 50-32-200/65-40-200

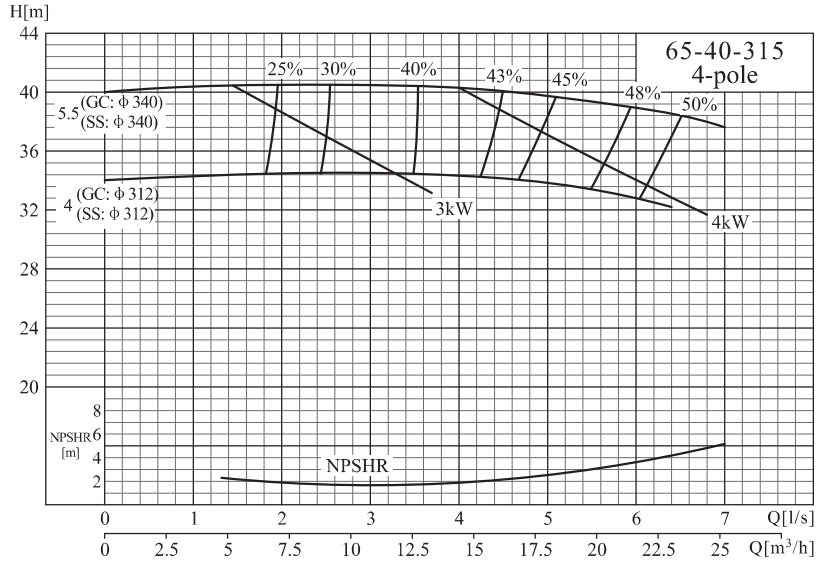




Performance curve

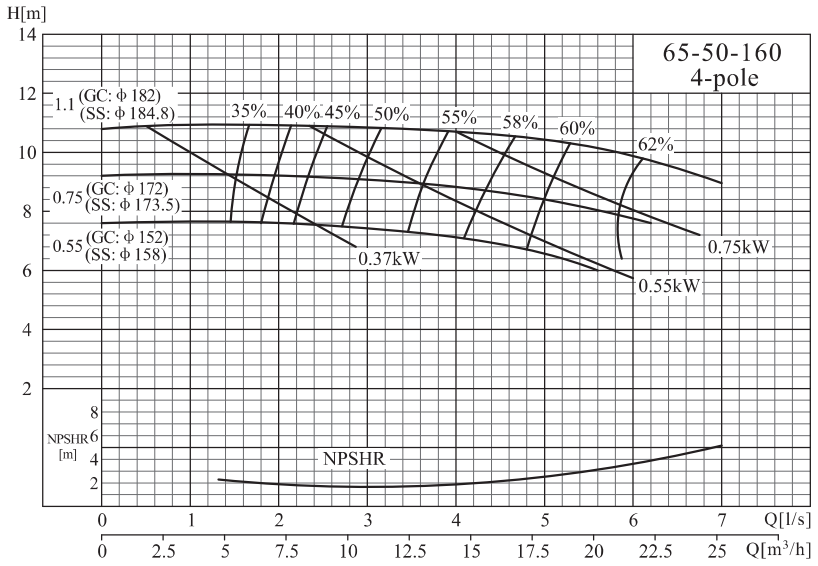
NISO,NIS,NISF65-40-250/65-40-315

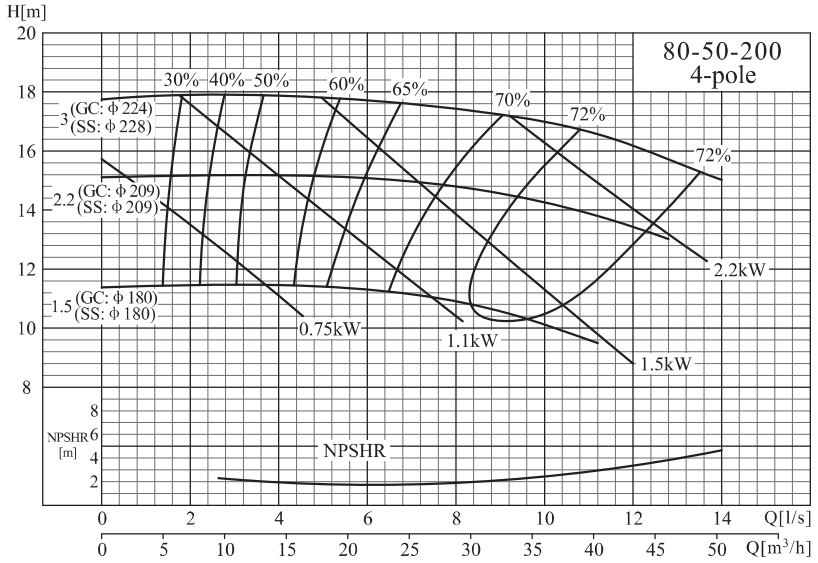




Performance curve

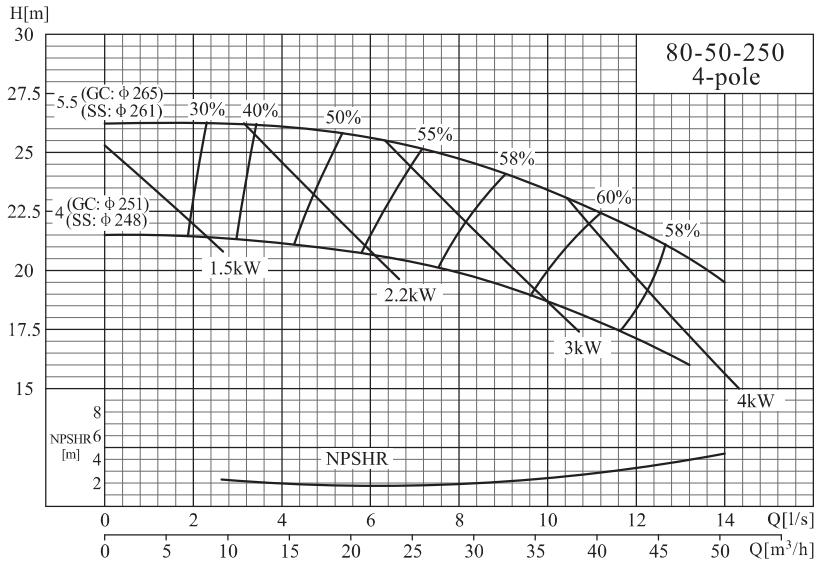
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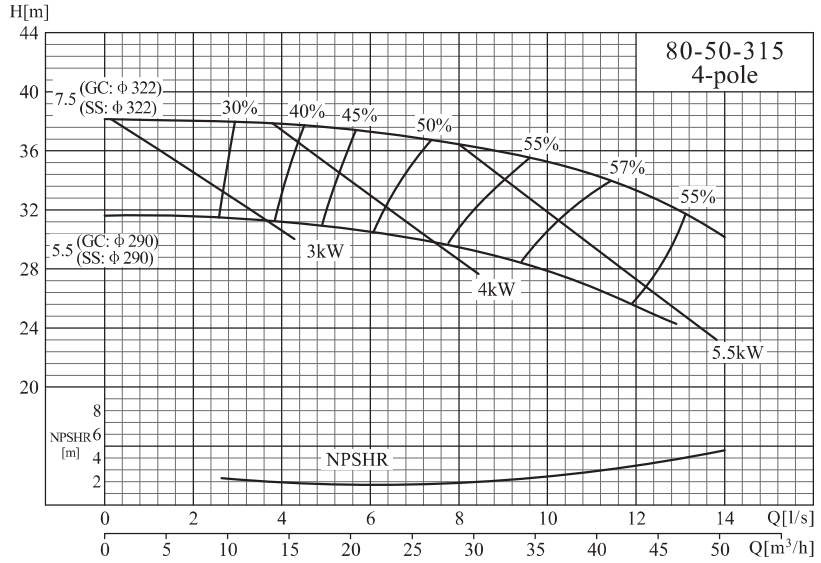




Performance curve

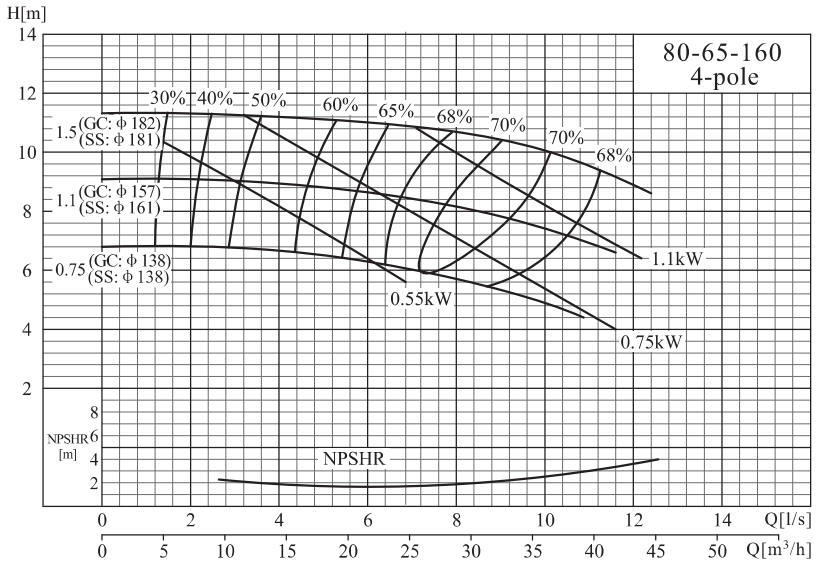
NISO,NIS,NISF80-50-250/80-50-315

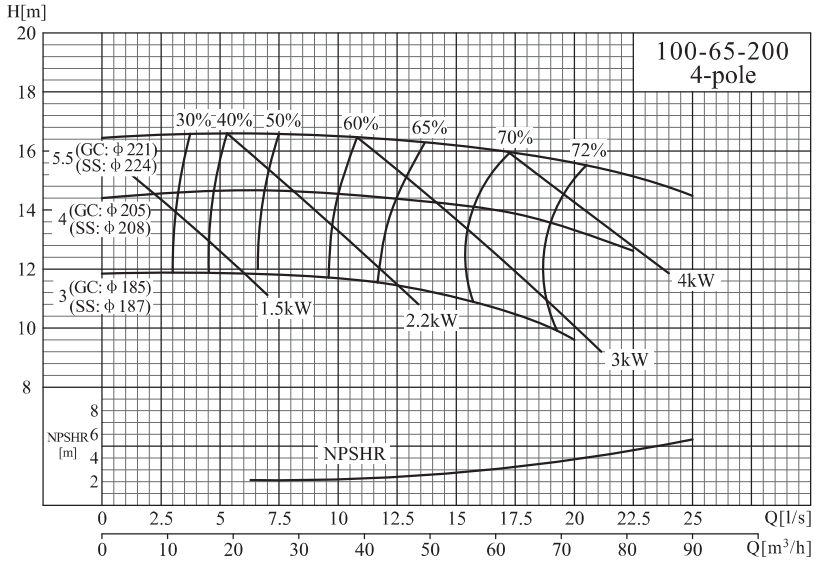




Performance curve

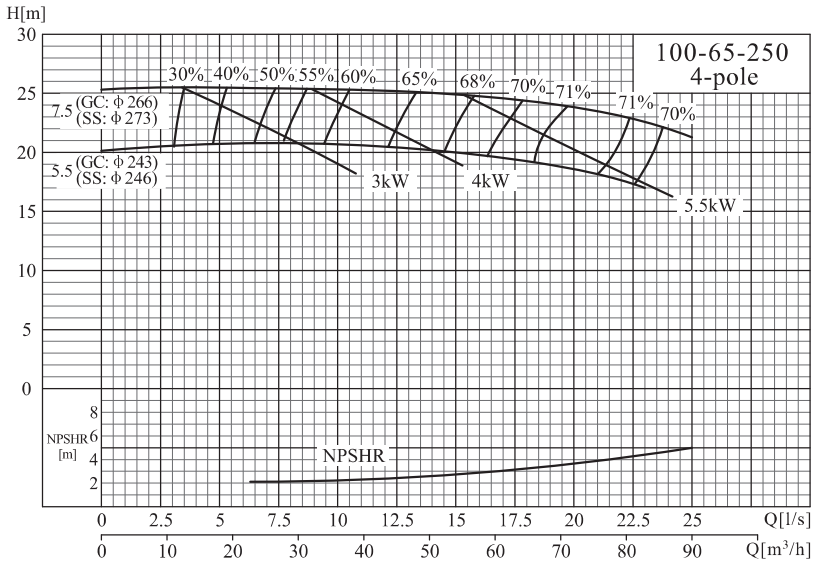
NISO,NIS,NISF80-65-160/100-65-200

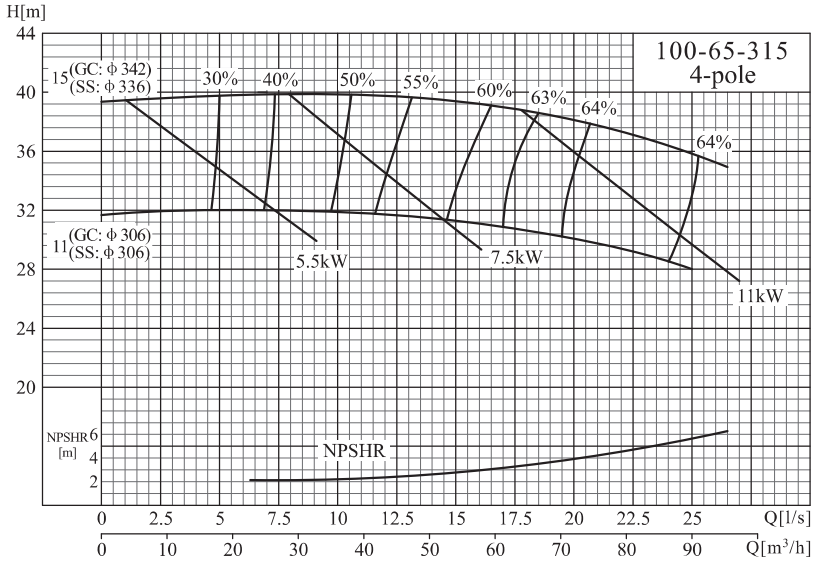




Performance curve

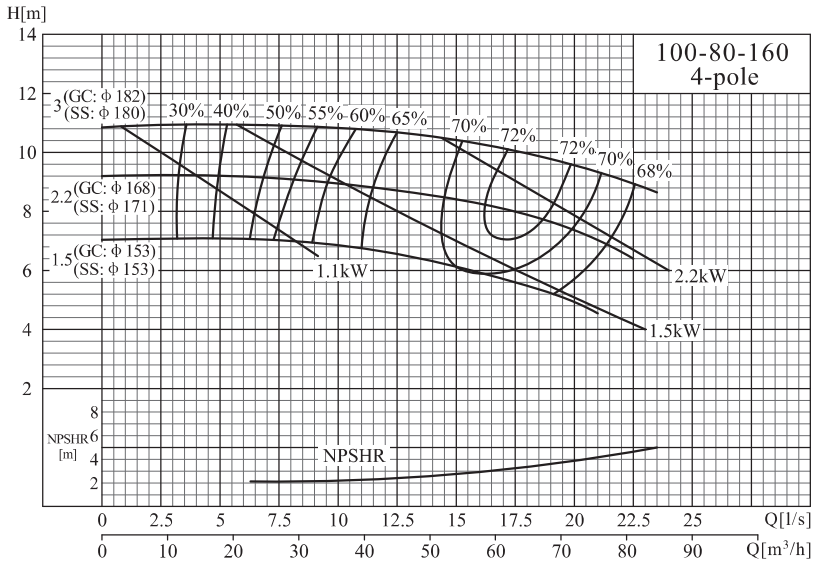
NISO,NIS,NISF 100–65–250/100–65–315

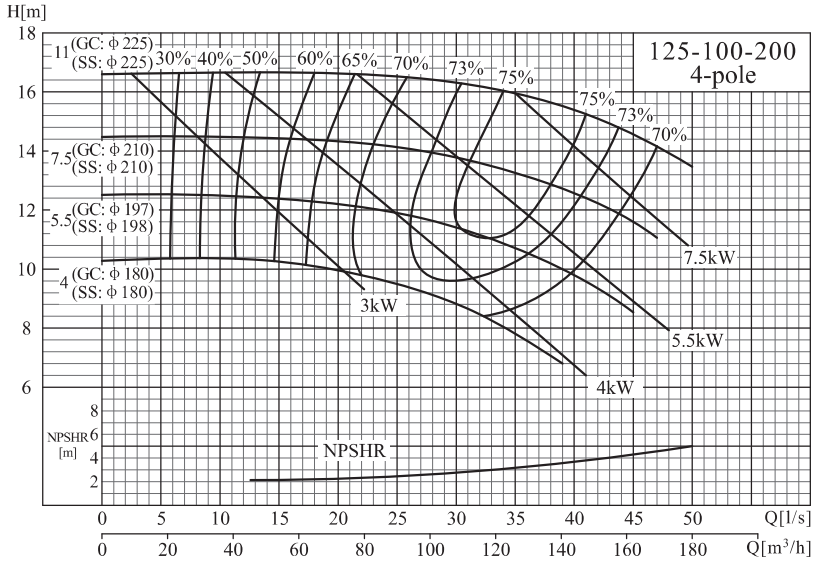




Performance curve

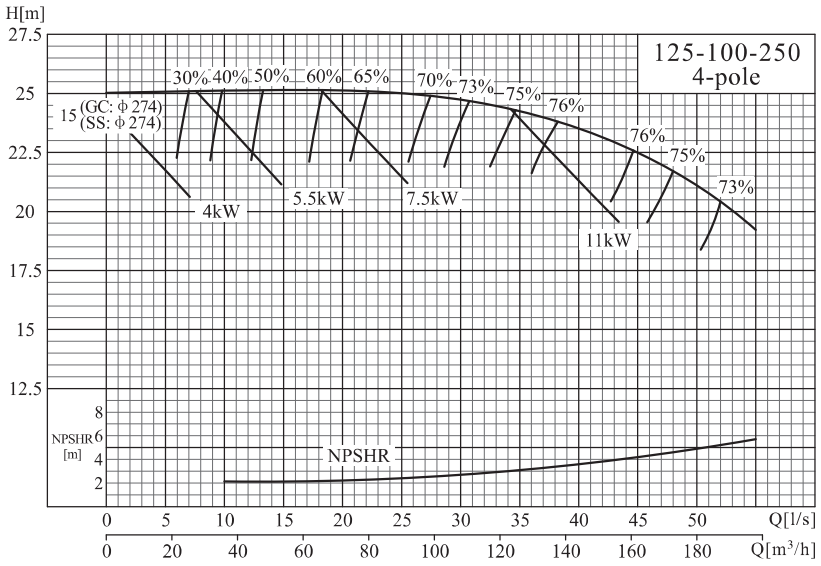
NISO,NIS,NISF 100–80–160/125–100–200

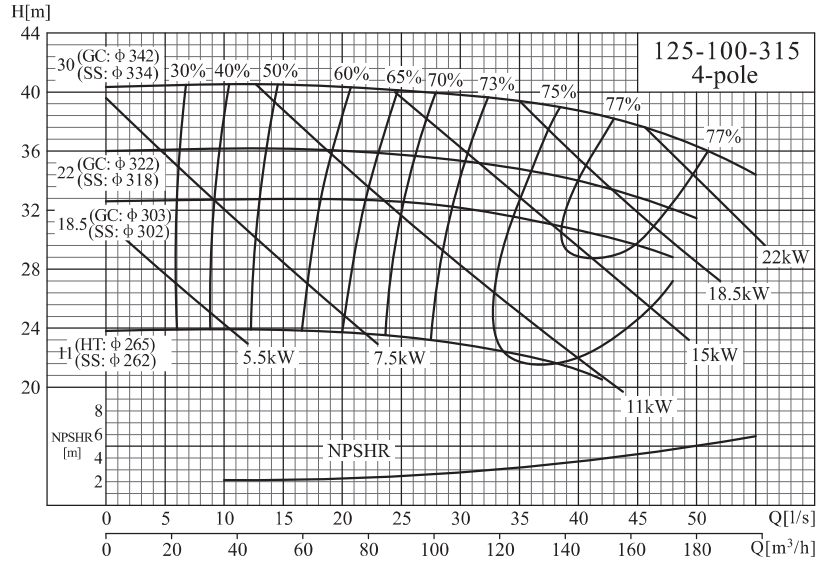




Performance curve

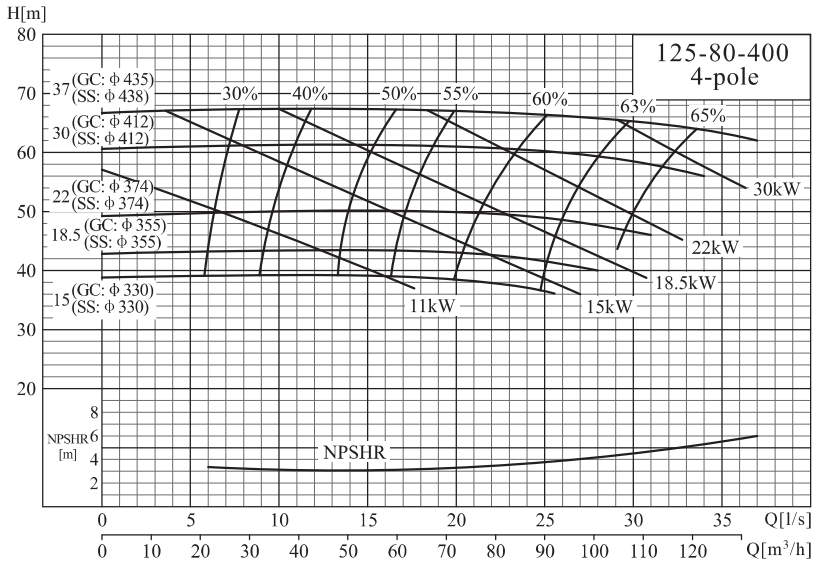
NISO,NIS,NISF 125-100-250/125-100-315

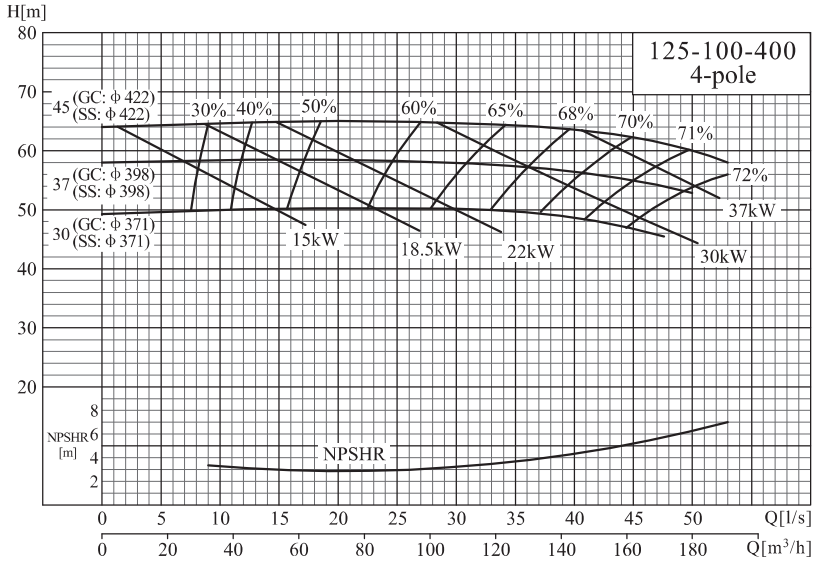




Performance curve

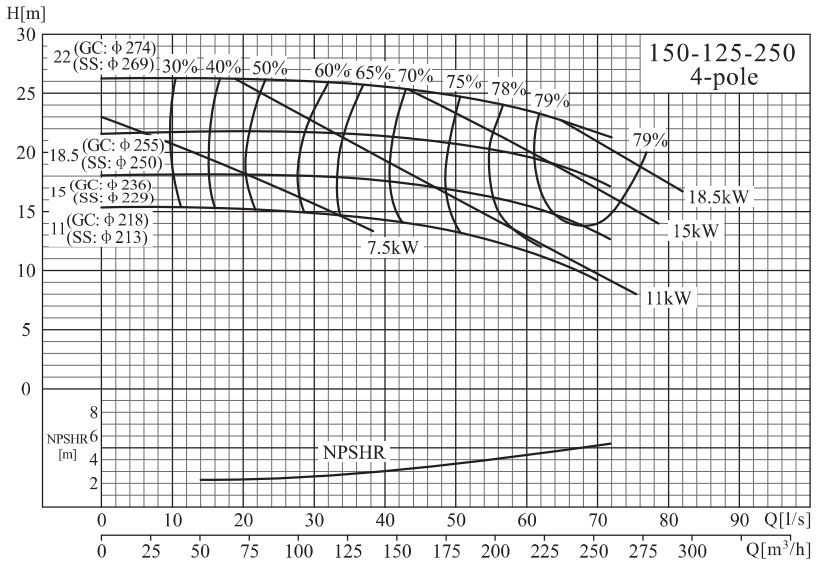
NISO,NIS,NISF 125-80-400/125-100-400

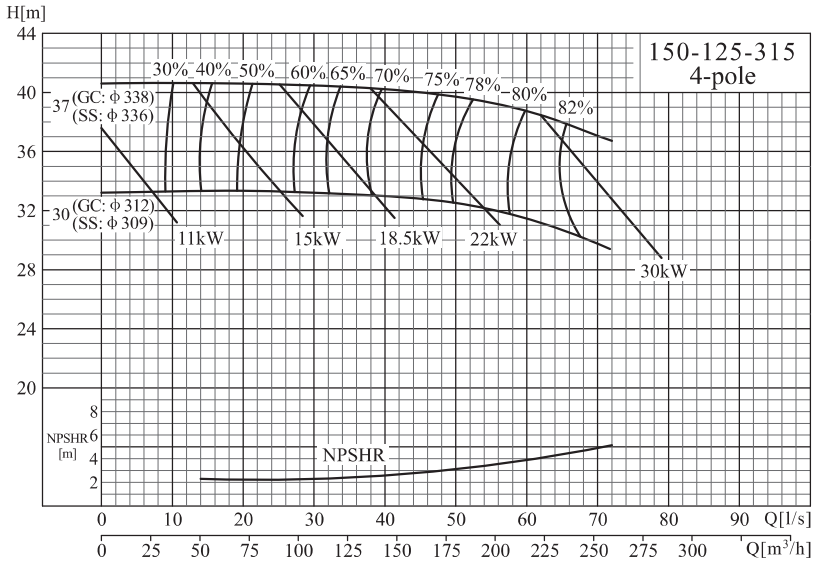




Performance curve

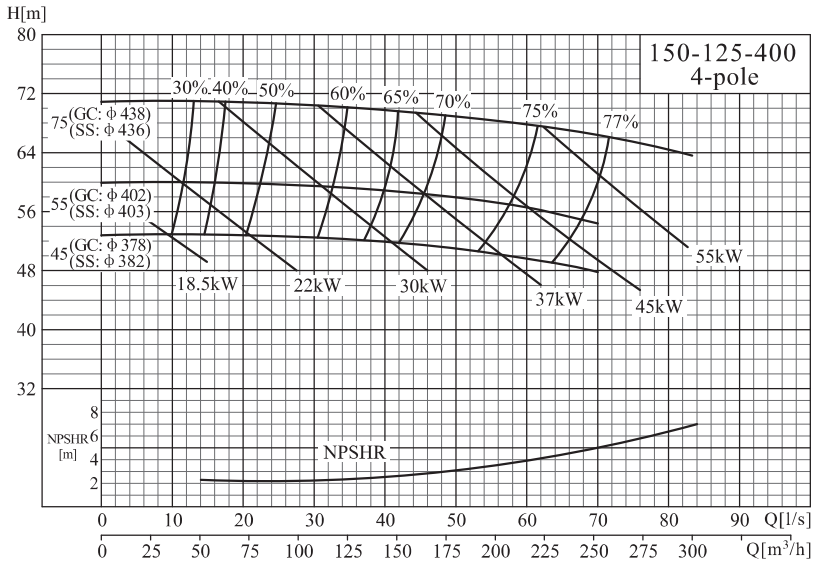
NISO,NIS,NISF 150–125–250/150–125–315

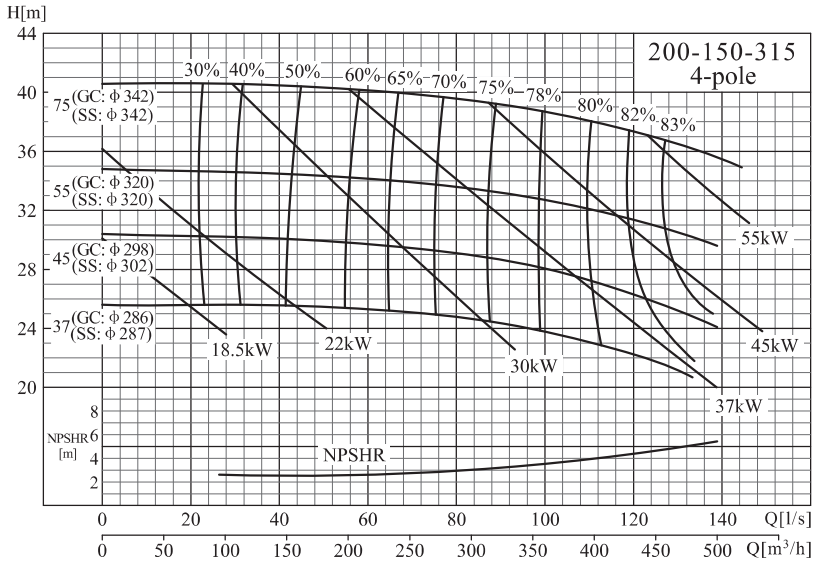




Performance curve

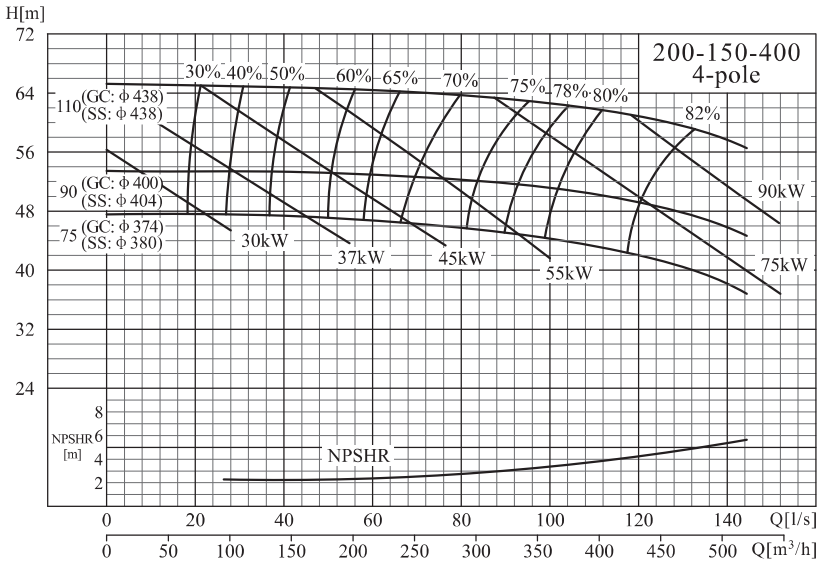
NISO,NIS,NISF 150–125–400/200–150–315

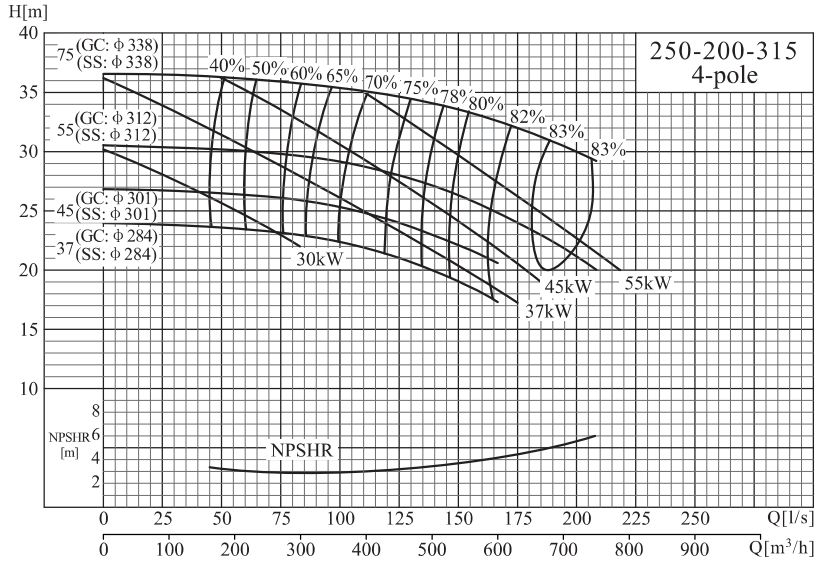




Performance curve

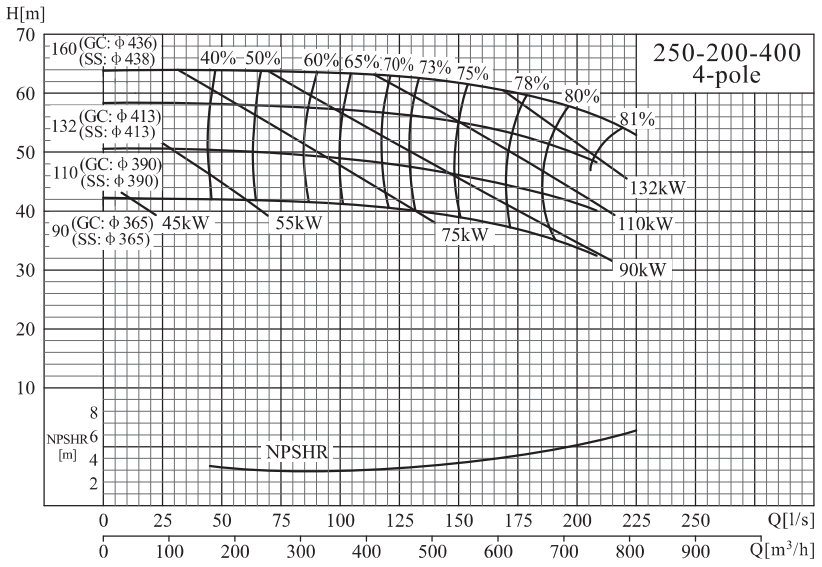
NISO,NIS,NISF200-150-400/250-200-315

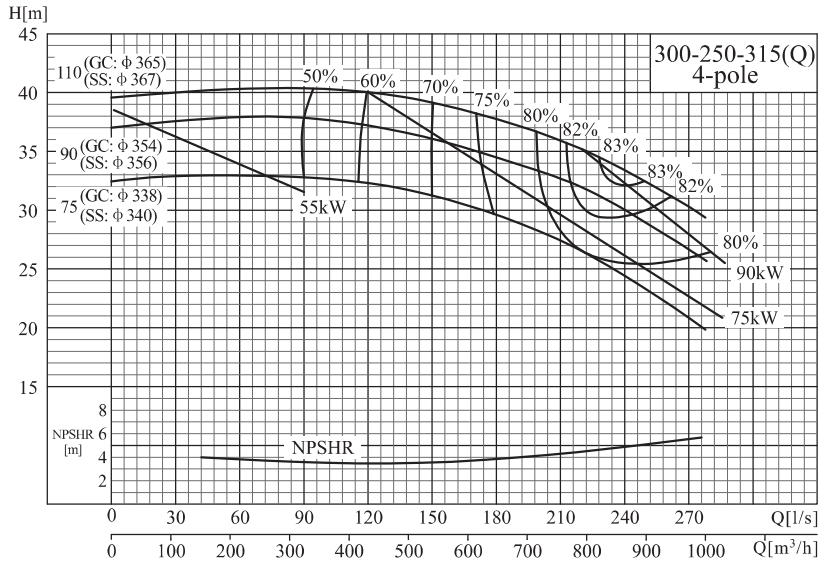




Performance curve

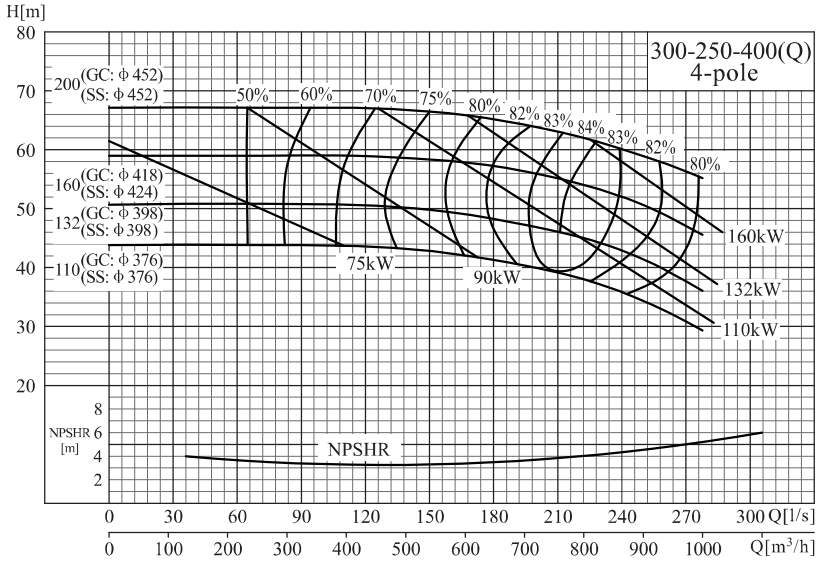
NISO,NIS,NISF250-200-400/300-250-315(Q)

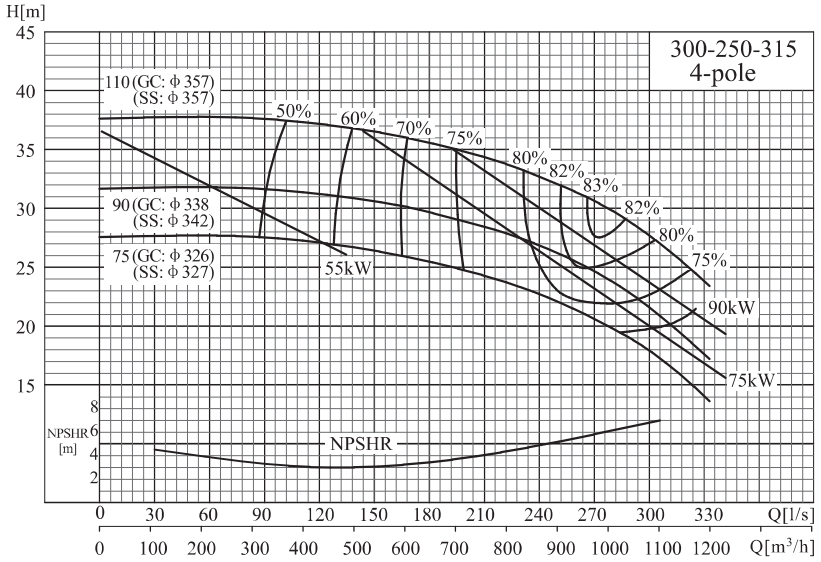




Performance curve

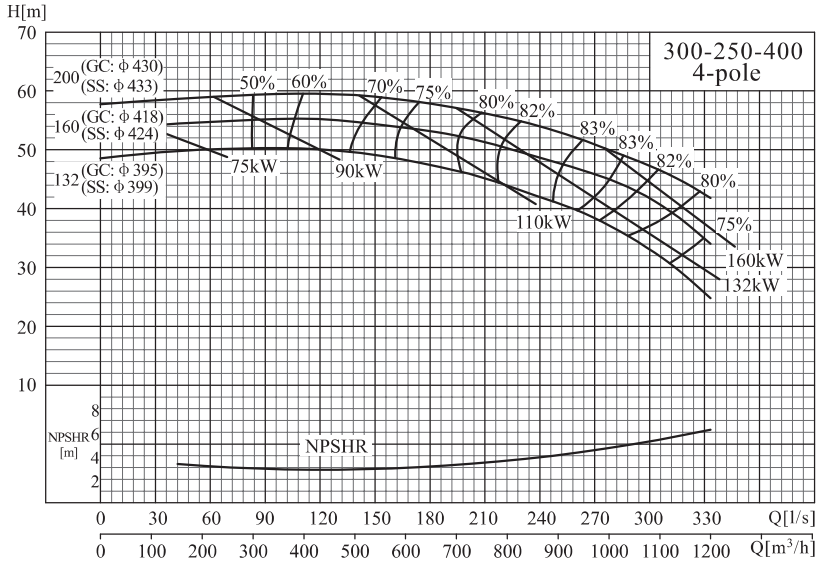
NISO,NIS,NISF300-250-400(Q)/300-250-315



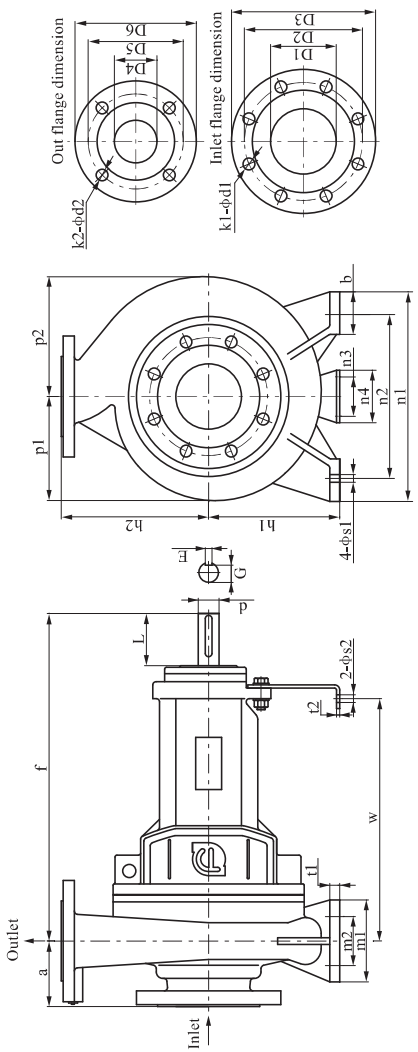


Performance curve

NISO,NIS,NISF300-250-400



NISO dimension drawing



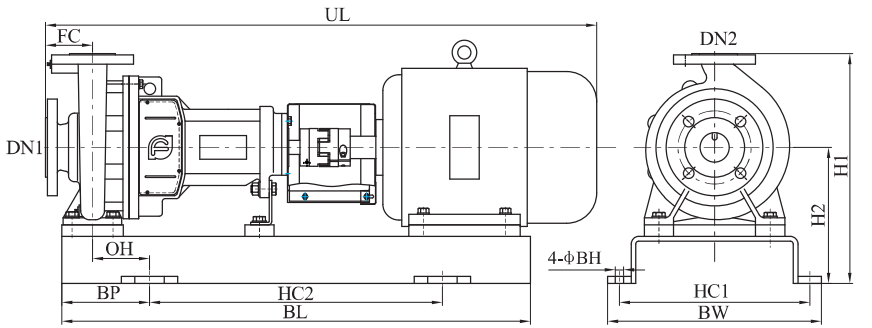
NISO dimension table

No.	Model	Dimension							Pump base plate and installation dimension										
		a	f	h1	h2	b	p1	p2	m1	m2	n1	n2	n3	n4	t1	t2	w	s1	s2
1	50-32-160	80	385	132	160	50	118	128	100	70	240	190	110	160	12	6	285	14	14
2	50-32-200	80	385	160	180	50	139	147	100	70	240	190	110	160	12	6	285	14	14
3	65-50-160	80	385	132	160	50	121	136	100	70	240	190	110	160	12	6	285	14	14
4	65-40-200	100	385	160	180	50	140	151	100	70	265	212	110	160	13	6	285	14	14
5	65-40-250	100	500	180	225	65	166	176	125	95	320	250	110	160	14	6	370	14	14
6	65-40-315	125	500	200	250	65	194	200	125	95	345	280	110	160	16	6	370	14	14
7	80-65-160	100	385	160	180	50	124	143	100	70	265	212	110	160	13	6	285	14	14
8	80-50-200	100	385	160	200	52	147	161	100	70	265	212	110	160	13	6	285	14	14
9	80-50-250	125	500	180	225	65	167	179	125	95	320	250	110	160	15	6	370	14	14
10	80-50-315	125	500	225	280	65	204	215	125	95	345	280	110	160	18	6	370	14	14
11	100-65-200	100	500	180	225	65	159	183	125	95	320	250	110	160	14	6	370	14	14
12	100-65-250	125	500	200	250	80	180	201	160	120	360	280	110	160	16	6	370	18	14
13	100-65-315	125	530	225	280	80	210	228	160	120	400	315	110	160	18	6	370	18	14
14	100-80-160	100	500	160	200	65	132	160	125	95	280	212	110	160	14	6	370	14	14
15	125-80-400	125	530	280	355	80	261	279	160	120	435	355	110	160	20	6	370	18	14
16	125-100-200	125	500	200	280	80	175	210	160	120	360	280	110	160	17	6	370	18	14
17	125-100-250	140	530	225	280	80	193	225	160	120	400	315	110	160	18	6	370	18	14
18	125-100-315	140	530	250	315	80	224	250	160	120	400	315	110	160	19	6	370	18	14
19	125-100-400	140	530	280	355	100	265	287	200	150	500	400	110	160	20	6	370	18	14
20	150-125-250	140	530	250	355	80	204	244	160	120	400	315	110	160	19	6	370	18	14
21	150-125-315	140	530	280	355	100	236	271	200	150	500	400	110	160	20	6	370	22	14
22	150-125-400	140	530	315	400	100	273	301	200	150	500	400	110	160	21	6	370	22	14
23	200-150-315	160	670	315	400	82	255	304	200	150	515	450	140	180	25	10	500	22	18
24	200-150-400	160	670	315	450	82	291	330	200	150	515	450	140	180	25	10	500	22	18
25	250-200-315	180	670	315	450	82	278	344	200	150	515	450	140	180	25	10	500	22	18
26	250-200-400	180	670	380	450	82	314	367	200	150	515	450	140	180	25	10	500	22	18
27	300-250-315(Q)	225	698	375	455	120	303	381	300	250	710	600	140	180	25	10	528	28	18
28	300-250-400(Q)	225	676	425	500	120	328	395	300	250	710	600	140	180	25	12	506	28	18
29	300-250-315	225	698	375	455	120	303	381	300	250	710	600	140	180	25	10	528	28	18
30	300-250-400	225	676	425	500	120	328	395	300	250	710	600	140	180	25	12	506	28	18

NISO dimension table

No.	Model	Inlet flange dimension					Outlet flange dimension					Shaft extension dimension				Weight (kg)
		D1	D2	D3	k1	d1	D4	D5	D6	k2	d2	D	L	E	G	
1	50-32-160	50	125	165	4	18	32	100	140	4	18	24	50	8	20	38
2	50-32-200	50	125	165	4	18	32	100	140	4	18	24	50	8	20	43
3	65-50-160	65	145	185	4	18	50	125	165	4	18	24	50	8	20	41
4	65-40-200	65	145	185	4	18	40	110	150	4	18	24	50	8	20	45
5	65-40-250	65	145	185	4	18	40	110	150	4	18	32	80	10	27	68
6	65-40-315	65	145	185	4	18	40	110	150	4	18	32	80	10	27	84
7	80-65-160	80	160	200	8	18	65	145	185	4	18	24	50	8	20	44
8	80-50-200	80	160	200	8	18	50	125	165	4	18	24	50	8	20	48
9	80-50-250	80	160	200	8	18	50	125	165	4	18	32	80	10	27	71
10	80-50-315	80	160	200	8	18	50	125	165	4	18	32	80	10	27	90
11	100-65-200	100	180	220	8	18	65	145	185	4	18	32	80	10	27	67
12	100-65-250	100	180	220	8	18	65	145	185	4	18	32	80	10	27	82
13	100-65-315	100	180	220	8	18	65	145	185	4	18	42	110	12	37	120
14	100-80-160	100	180	220	8	18	80	160	200	8	18	32	80	10	27	70
15	125-80-400	125	210	250	8	18	80	160	200	8	18	42	110	12	37	158
16	125-100-200	125	210	250	8	18	100	180	220	8	18	32	80	10	27	88
17	125-100-250	125	210	250	8	18	100	180	220	8	18	42	110	12	37	122
18	125-100-315	125	210	250	8	18	100	180	220	8	18	42	110	12	37	137
19	125-100-400	125	210	250	8	18	100	180	220	8	18	42	110	12	37	163
20	150-125-250	150	240	285	8	22	125	210	250	8	18	42	106	12	37	129
21	150-125-315	150	240	285	8	22	125	210	250	8	18	42	106	12	37	157
22	150-125-400	150	240	285	8	22	125	210	250	8	18	42	106	12	37	181
23	200-150-315	200	295	340	12	22	150	240	285	8	22	60	110	18	53	222
24	200-150-400	200	295	340	12	22	150	240	285	8	22	60	110	18	53	293
25	250-200-315	250	355	405	12	26	200	295	340	12	22	60	110	18	53	258
26	250-200-400	250	355	405	12	26	200	295	340	12	22	60	110	18	53	328
27	300-250-315(Q)	300	410	460	12	27	250	355	405	12	27	60	108	18	53	528
28	300-250-400(Q)	300	410	460	12	27	250	355	405	12	27	60	108	18	53	632
29	300-250-315	300	410	460	12	27	250	355	405	12	27	60	108	18	53	528
30	300-250-400	300	410	460	12	27	250	355	405	12	27	60	108	18	53	632

NISO pump set dimension drawing



NISO pump set dimension table

2-pole

Model	Power (kW)	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Total weight (kg)
50-32-160	3	392	232	296	500	336	750	125	14	72.5	857	80	50	32	95
	4	392	232	296	500	336	750	125	14	72.5	875	80	50	32	109
	5.5	392	232	325	500	365	800	150	14	97.5	941	80	50	32	133
50-32-200	7.5	440	243	340	600	380	860	130	14	77.5	941	80	50	32	146
	11	440	260	380	600	420	950	175	18	121	1077	80	50	32	190
65-40-200	7.5	440	260	325	500	365	800	150	14	97.5	961	100	65	40	145
	11	440	260	380	600	420	950	175	18	121	1097	100	65	40	192
	15	440	260	380	600	420	950	175	18	121	1097	100	65	40	208
65-40-250	18.5	505	280	380	800	420	1080	140	18	73.5	1282	100	65	40	255
	22	505	280	420	800	480	1100	150	18	81.5	1319	100	65	40	291
	30	525	300	460	800	500	1180	190	18	121.5	1379	100	65	40	363
65-40-315	22	550	300	420	800	460	1100	150	18	81.5	1344	125	65	40	307
	30	570	320	455	800	495	1200	200	18	131.5	1412	125	65	40	392
	37	570	320	455	800	495	1200	200	18	131.5	1412	125	65	40	403
	45	590	340	510	800	560	1250	225	22	155	1466	125	65	40	453
65-50-160	4	392	232	296	500	336	750	125	14	72.5	875	80	65	50	112
	5.5	392	232	325	500	365	800	150	14	97.5	941	80	65	50	135
	7.5	392	232	325	500	365	800	150	14	97.5	941	80	65	50	141

NISO pump set dimension table

2-pole

Model	Power (kW)	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Total weight (kg)
80-50-200	11	460	260	380	600	420	950	175	18	121	1097	100	80	50	194
	15	460	260	380	600	420	950	175	18	121	1097	100	80	50	210
	18.5	460	260	380	600	420	950	175	18	121	1137	100	80	50	222
	22	480	280	420	700	460	1000	150	18	96	1194	100	80	50	268
80-50-250	30	525	300	460	800	500	1180	190	18	121.5	1404	125	80	50	367
	37	525	300	460	800	495	1180	190	18	121.5	1404	125	80	50	377
80-50-315	37	625	345	455	800	495	1200	200	18	131.5	1402	125	80	50	410
	45	625	345	510	800	560	1250	225	22	155	1466	125	80	50	451
	55	650	370	575	900	625	1300	200	22	130	1547	125	80	50	573
	75	680	400	620	800	670	1400	300	22	230	1620	125	80	50	703
80-65-160	5.5	440	260	325	500	365	800	150	14	97.5	961	100	80	65	139
	7.5	440	260	325	500	365	800	150	14	97.5	961	100	80	65	144
	11	440	260	380	600	420	950	175	18	121	1097	100	80	65	191
	15	440	260	380	600	420	950	175	18	121	1097	100	80	65	206
100-65-200	18.5	505	280	380	800	420	1080	140	18	73.5	1282	100	100	65	254
	22	505	280	420	800	460	1100	150	18	81.5	1319	100	100	65	290
	30	525	300	460	800	500	1180	190	18	121.5	1379	100	100	65	362
	37	525	300	460	800	500	1180	190	18	121.5	1379	100	100	65	372
100-65-250	45	590	340	510	800	550	1250	225	22	141.5	1466	125	100	65	444
	55	620	370	575	900	625	1350	225	22	141.5	1547	125	100	65	576
	75	650	400	620	800	670	1400	300	22	214	1620	125	100	65	695
100-65-315	90	680	400	620	900	670	1450	275	22	189	1700	125	100	65	771
	110	720	440	710	1000	760	1500	250	22	164	1909	125	100	65	1278
100-80-160	11	460	260	380	800	420	1080	140	18	73.5	1212	100	100	80	221
	15	460	260	380	800	420	1080	140	18	73.5	1212	100	100	80	237
	18.5	460	260	380	800	420	1080	140	18	73.5	1282	100	100	80	253
	22	480	280	420	800	460	1100	150	18	83.5	1319	100	100	80	293
125-100-200	30	600	320	455	800	495	1200	200	18	119	1412	125	125	100	390
	37	600	320	455	800	495	1200	200	18	119	1412	125	125	100	400
	45	620	340	510	800	560	1250	225	22	141.5	1466	125	125	100	449
	55	650	370	575	900	625	1350	225	22	141.5	1547	125	125	100	580
	75	680	400	620	800	670	1400	300	22	214	1620	125	125	100	699

NISO pump set dimension table

2-pole

Model	Power (kW)	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Total weight (kg)
125-100-250	75	680	400	620	800	670	1400	300	22	214	1665	140	125	100	734
	90	680	400	620	900	670	1450	275	22	189	1715	140	125	100	774
	110	720	440	710	1000	760	1500	250	22	164	1924	140	125	100	1278
125-100-315	90	715	400	620	900	670	1450	275	22	189	1715	140	125	100	784
	110	755	440	710	1000	760	1500	250	22	164	1909	140	125	100	1238
	132	755	440	710	1000	760	1560	280	22	194	2034	140	125	100	1344
	160	755	440	710	1000	760	1560	280	22	194	2034	140	125	100	1441

4-pole

Model	Power (kW)	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Total weight (kg)
50-32-160	0.55	392	232	296	500	336	700	100	14	47.5	755	80	50	32	78
	0.75	392	232	296	500	336	700	100	14	47.5	755	80	50	32	79
50-32-200	1.1	440	260	296	500	336	750	125	14	72.5	794	80	50	32	89
	1.5	440	260	296	500	336	750	125	14	72.5	819	80	50	32	91
65-40-200	1.1	440	260	325	500	365	750	125	14	72.5	824	100	65	40	92
	1.5	440	260	325	500	365	750	125	14	72.5	849	100	65	40	94
	2.2	440	260	325	500	365	750	125	14	72.5	887	100	65	40	107
65-40-250	3	505	280	376	600	416	920	160	14	95	992	100	65	40	141
65-40-315	4	550	300	405	600	445	900	150	14	85	1045	125	65	40	171
	5.5	550	300	405	600	445	950	175	14	110	1101	125	65	40	192
65-50-160	0.55	392	232	296	500	336	700	100	14	47.5	755	80	65	50	81
	0.75	392	232	296	500	336	700	100	14	47.5	755	80	65	50	81
	1.1	392	232	296	500	336	700	100	14	47.5	794	80	65	50	85
80-50-200	1.5	460	260	325	500	365	750	125	14	72.5	849	100	80	50	96
	2.2	460	260	325	500	365	750	125	14	72.5	877	100	80	50	109
	3	460	260	325	500	365	750	125	14	72.5	877	100	80	50	113
80-50-250	4	505	280	376	600	416	920	160	14	95	1042	125	80	50	155
	5.5	505	280	376	600	416	920	160	14	95	1107	125	80	50	173
80-50-315	5.5	605	325	405	600	445	950	175	18	108.5	1101	125	80	50	199
	7.5	605	325	405	600	445	950	175	18	108.5	1141	125	80	50	211
80-65-160	0.75	440	260	325	500	365	700	100	14	47.5	775	100	80	65	84
	1.1	440	260	325	500	365	750	125	14	72.5	824	100	80	65	91
	1.5	440	260	325	500	365	750	125	14	72.5	849	100	80	65	93

NISO pump set dimension table

4-pole

Model	Power (kW)	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Total weight (kg)
100-65-200	3	505	280	376	600	416	920	160	14	95	992	100	100	65	140
	4	505	280	376	600	416	920	160	14	95	1017	100	100	65	150
	5.5	505	280	376	600	416	920	160	14	95	1082	100	100	65	169
100-65-250	5.5	550	300	420	600	460	980	190	14	110	1111	125	100	65	190
	7.5	550	300	420	600	460	980	190	18	110	1151	125	100	65	203
100-65-315	11	605	325	460	800	500	1120	160	18	80	1267	125	100	65	298
	15	605	325	460	800	500	1120	160	18	80	1307	125	100	65	312
100-80-160	1.5	460	260	340	600	380	860	130	14	65	954	100	100	80	124
	2.2	460	260	340	600	380	860	130	14	65	982	100	100	80	135
	3	460	260	340	600	380	860	130	14	65	982	100	100	80	139
125-80-400	15	735	380	500	800	540	1150	175	18	94	1317	125	125	80	362
	18.5	735	380	500	800	540	1150	175	18	94	1374	125	125	80	381
	22	735	380	510	800	560	1220	210	22	126.5	1404	125	125	80	418
	30	735	380	510	800	560	1220	210	22	126.5	1442	125	125	80	474
	37	755	400	510	800	560	1250	225	22	141.5	1481	125	125	80	548
125-100-200	4	580	300	420	600	460	900	150	14	70	1045	125	125	100	171
	5.5	580	300	420	600	460	980	190	18	110	1111	125	125	100	195
	7.5	580	300	420	600	460	980	190	18	110	1151	125	125	100	207
	11	580	300	420	800	460	1100	150	18	70	1237	125	125	100	263
125-100-250	15	605	325	460	800	500	1120	160	18	80	1322	140	125	100	312
125-100-315	11	665	350	460	800	500	1120	160	18	79	1282	140	125	100	314
	18.5	665	350	460	800	500	1180	190	18	109	1379	140	125	100	354
	22	665	350	460	800	500	1180	190	18	109	1409	140	125	100	380
	30	665	350	510	800	560	1220	210	22	126.5	1457	140	125	100	452
125-100-400	30	735	380	570	800	620	1220	210	22	110	1447	140	125	100	478
	37	755	400	575	900	625	1300	200	22	100	1496	140	125	100	552
	45	755	400	575	900	625	1300	200	22	100	1531	140	125	100	581
150-125-250	11	705	350	460	800	500	1120	160	18	79	1282	140	150	125	309
	15	705	350	460	800	500	1120	160	18	79	1322	140	150	125	324
	18.5	705	350	460	800	500	1180	190	18	109	1379	140	150	125	349
	22	705	350	460	800	500	1180	190	18	109	1409	140	150	125	375

NISO pump set dimension table

4-pole

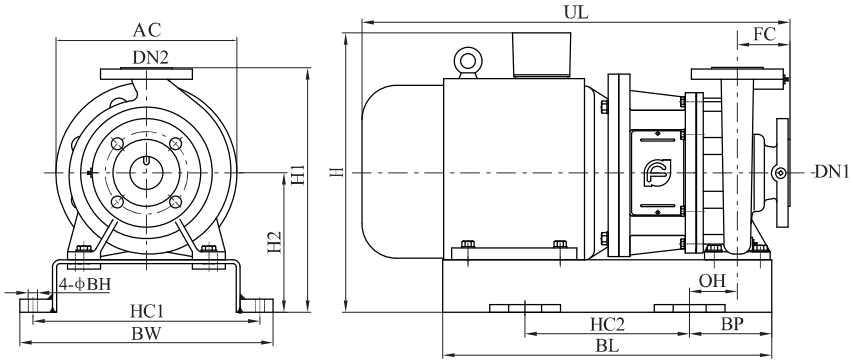
Model	Power (kW)	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Total weight (kg)
150-125-315	30	735	380	570	800	620	1220	210	22	110	1447	140	150	125	483
	37	755	400	575	900	625	1300	200	22	100	1496	140	150	125	559
150-125-400	45	835	435	575	900	625	1300	200	22	100	1531	140	150	125	607
	55	835	435	575	900	625	1350	225	22	125	1592	140	150	125	709
	75	835	435	620	800	670	1400	300	22	200	1665	140	150	125	844
200-150-315	37	835	435	620	800	670	1400	300	22	200	1656	160	200	150	628
	45	835	435	595	900	645	1500	300	22	200	1691	160	200	150	659
	55	835	435	595	900	645	1500	300	22	200	1752	160	200	150	762
	75	835	435	625	1000	675	1600	300	22	200	1835	160	200	150	903
200-150-400	75	885	435	625	1000	675	1600	300	22	200	1835	160	200	150	973
	90	885	435	625	1000	675	1600	300	22	200	1885	160	200	150	1024
	110	885	435	710	1200	760	1700	250	22	150	2124	160	200	150	1467
250-200-315	37	885	435	620	800	670	1400	300	22	200	1676	180	250	200	663
	45	885	435	595	900	645	1500	300	22	200	1711	180	250	200	694
	55	885	435	595	900	645	1500	300	22	200	1772	180	250	200	798
	75	885	435	625	1000	675	1600	300	22	200	1855	180	250	200	943
250-200-400	90	950	500	625	1000	675	1600	300	22	200	1905	180	250	200	1075
	110	950	500	710	1200	760	1700	250	22	150	2144	180	250	200	1524
	132	950	500	710	1200	760	1750	275	22	175	2244	180	250	200	1606
	160	950	500	710	1200	760	1750	275	22	175	2244	180	250	200	1710
300-250-315(Q)	75	950	495	800	1150	850	1700	275	22	125	1933	225	300	250	1525
	90	950	495	800	1150	850	1700	275	22	125	1983	225	300	250	1603
	110	950	495	800	1250	850	1800	275	22	125	2228	225	300	250	1931
300-250-400(Q)	110	1045	545	800	1250	850	1800	275	22	125	2206	225	300	250	1980
	132	1045	545	800	1330	850	1880	275	22	125	2236	225	300	250	2085
	160	1045	545	800	1330	850	1880	275	22	125	2236	225	300	250	2145
	200	1045	545	800	1330	850	1880	275	22	125	2236	225	300	250	2260
300-250-315	75	950	495	800	1150	850	1700	275	22	125	1933	225	300	250	1525
	90	950	495	800	1150	850	1700	275	22	125	1983	225	300	250	1603
	110	950	495	800	1250	850	1800	275	22	125	2228	225	300	250	1931

NISO pump set dimension table

4-pole

Model	Power (kW)	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Total weight (kg)
300-250-400	132	1045	545	800	1330	850	1880	275	22	125	2236	225	300	250	2085
	160	1045	545	800	1330	850	1880	275	22	125	2236	225	300	250	2145
	200	1045	545	800	1330	850	1880	275	22	125	2236	225	300	250	2260

NIS, NISF pump dimension drawing



NIS, NISF pump dimension table

2-pole

Model	Power (kW)	H	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Total weight (kg)
50-32-160	3	382	372	212	306	250	336	450	100	14	47.5	563	80	50	32	75
	4	400	372	212	306	250	336	450	100	14	47.5	578	80	50	32	81
	5.5	425	372	212	335	300	365	500	100	14	47.5	650	80	50	32	105
50-32-200	7.5	453	420	240	350	300	380	500	100	14	46	650	80	50	32	120
	11	500	420	240	390	350	420	600	125	18	71	787	80	50	32	175
65-40-200	7.5	453	420	240	335	300	365	500	100	14	47.5	670	100	65	40	120
	11	500	420	240	390	350	420	600	125	18	71	807	100	65	40	177
	15	500	420	240	390	350	420	600	125	18	71	807	100	65	40	187
65-40-250	18.5	520	485	260	390	400	420	660	130	18	63.5	865	100	65	40	222
	22	535	485	260	430	400	460	700	150	18	81.5	895	100	65	40	257
	30	585	505	280	470	450	500	750	150	18	81.5	967	100	65	40	318
65-40-315	22	555	530	280	430	400	460	700	150	18	81.5	920	125	65	40	270
	30	585	530	280	465	500	495	800	150	18	81.5	992	125	65	40	340
	37	585	530	280	465	500	495	800	150	18	81.5	992	125	65	40	359
	45	640	555	305	520	500	560	820	160	22	90	1042	125	65	40	428
65-50-160	4	400	372	212	306	250	336	450	100	14	47.5	578	80	65	50	83
	5.5	425	372	212	335	300	365	500	100	14	47.5	650	80	65	50	107
	7.5	425	372	212	335	300	365	500	100	14	47.5	650	80	65	50	110

NIS, NISF pump dimension table

2-pole

Model	Power (kW)	H	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Total weight (kg)
80-50-200	11	500	440	240	390	350	420	600	125	18	71	807	100	80	50	181
	15	500	440	240	390	350	420	600	125	18	71	807	100	80	50	191
	18.5	500	440	240	390	400	420	660	130	18	76	862	100	80	50	211
	22	535	460	260	430	400	460	700	150	18	96	892	100	80	50	254
80-50-250	30	585	505	280	470	450	500	750	150	18	81.5	992	125	80	50	320
	37	585	505	280	470	450	500	750	150	18	81.5	992	125	80	50	339
80-50-315	37	610	585	305	465	500	495	800	150	18	81.5	992	125	80	50	370
	45	640	585	305	520	500	560	820	160	22	90	1042	125	80	50	434
	55	715	630	350	585	550	625	950	200	22	130	1156	125	80	50	534
	75	780	660	380	630	600	670	1000	200	22	130	1231	125	80	50	675
80-65-160	5.5	453	420	240	335	300	365	500	100	14	47.5	670	100	80	65	115
	7.5	453	420	240	335	300	365	500	100	14	47.5	670	100	80	65	118
	11	500	420	240	390	350	420	600	125	18	71	807	100	80	65	175
	15	500	420	240	390	350	420	600	125	18	71	807	100	80	65	185
100-65-200	18.5	520	485	260	390	400	420	660	130	18	63.5	865	100	100	65	222
	22	535	485	260	430	400	460	700	150	18	81.5	895	100	100	65	257
	30	585	505	280	470	450	500	750	150	18	81.5	967	100	100	65	318
	37	585	505	280	470	450	500	750	150	18	81.5	967	100	100	65	337
100-65-250	45	640	555	305	520	500	560	820	160	22	76.5	1042	125	100	65	426
	55	715	600	350	585	550	625	950	200	22	116.5	1156	125	100	65	529
	75	780	630	380	630	600	670	1000	200	22	114	1231	125	100	65	673
100-65-315	90	780	660	380	630	600	670	1100	250	22	164	1295	125	100	65	730
	110	945	695	415	720	600	760	1100	250	22	164	1530	125	100	65	1161
100-80-160	11	515	440	240	390	400	420	660	130	18	61.5	810	100	100	80	177
	15	515	440	240	390	400	420	660	130	18	61.5	810	100	100	80	187
	18.5	515	440	240	390	400	420	660	130	18	61.5	865	100	100	80	207
	22	535	460	260	430	400	460	700	150	18	83.5	895	100	100	80	248
125-100-200	30	585	560	280	465	500	495	800	150	18	69	992	125	125	100	349
	37	585	560	280	465	500	495	800	150	18	69	992	125	125	100	368
	45	640	585	305	520	500	560	820	160	22	76.5	1042	125	125	100	431
	55	715	630	350	585	550	625	950	200	22	116.5	1156	125	125	100	534
	75	780	660	380	630	600	670	1000	200	22	114	1231	125	125	100	678

NIS, NISF pump dimension table

2-pole

Model	Power (kW)	H	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Total weight (kg)
125-100-250	75	780	660	380	630	600	670	1000	200	22	114	1265	140	125	100	701
	90	780	660	380	630	600	670	1100	250	22	164	1315	140	125	100	738
	110	945	695	415	720	600	760	1100	250	22	164	1523	140	125	100	1169
125-100-315	90	780	695	380	630	600	670	1100	250	22	164	1310	140	125	100	744
	110	945	730	415	720	600	760	1100	250	22	164	1545	140	125	100	1170
	132	945	730	415	720	700	760	1220	260	22	174	1655	140	125	100	1230
	160	945	730	415	720	700	760	1220	260	22	174	1655	140	125	100	1350

4-pole

Model	Power (kW)	H	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Total weight (kg)
50-32-160	0.55	352	372	212	306	250	336	400	75	14	22.5	483	80	50	32	44
	0.75	352	372	212	306	250	336	400	75	14	22.5	483	80	50	32	45
50-32-200	1.1	400	420	240	306	250	336	400	75	14	22.5	498	80	50	32	71
	1.5	400	420	240	306	250	336	400	75	14	22.5	523	80	50	32	78
65-40-200	1.1	400	420	240	335	250	365	400	75	14	22.5	518	100	65	40	73
	1.5	400	420	240	335	250	365	400	75	14	22.5	543	100	65	40	80
	2.2	410	420	240	335	250	365	450	100	14	47.5	583	100	65	40	91
65-40-250	3	430	485	260	386	300	416	500	100	14	35	591	100	65	40	109
65-40-315	4	468	530	280	415	300	445	500	100	14	35	631	125	65	40	128
	5.5	493	530	280	415	300	445	500	100	14	35	687	125	65	40	151
65-50-160	0.55	352	372	212	306	250	336	400	75	14	22.5	483	80	65	50	46
	0.75	352	372	212	306	250	336	400	75	14	22.5	483	80	65	50	47
	1.1	372	372	212	306	250	336	400	75	14	22.5	498	80	65	50	63
80-50-200	1.5	400	440	240	335	250	365	400	75	14	22.5	543	100	80	50	84
	2.2	410	440	240	335	250	365	450	100	14	47.5	583	100	80	50	95
	3	410	440	240	335	250	365	450	100	14	47.5	583	100	80	50	100
80-50-250	4	448	485	260	386	300	416	500	100	14	35	631	125	80	50	116
	5.5	473	485	260	386	300	416	500	100	14	35	687	125	80	50	137
80-50-315	5.5	518	585	305	415	350	445	550	100	18	33.5	687	125	80	50	155
	7.5	518	585	305	415	350	445	550	100	18	33.5	727	125	80	50	169
80-65-160	0.75	380	420	240	335	250	365	400	75	14	22.5	503	100	80	65	67
	1.1	400	420	240	335	250	365	400	75	14	22.5	518	100	80	65	71
	1.5	400	420	240	335	250	365	400	75	14	22.5	543	100	80	65	78

NIS, NISF pump dimension table

4-pole

Model	Power (kW)	H	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Total weight (kg)
100-65-200	3	430	485	260	386	300	416	500	100	14	35	591	100	100	65	109
	4	448	485	260	386	300	416	500	100	14	35	606	100	100	65	114
	5.5	473	485	260	386	300	416	500	100	14	35	662	100	100	65	135
100-65-250	5.5	493	530	280	430	350	460	550	100	14	20	687	125	100	65	147
	7.5	493	530	280	430	350	460	550	100	18	20	727	125	100	65	166
100-65-315	11	565	585	305	470	400	500	700	150	18	70	854	125	100	65	249
	15	565	585	305	470	400	500	700	150	18	70	909	125	100	65	270
100-80-160	1.5	400	440	240	350	250	380	410	105	14	40	536	100	100	80	76
	2.2	410	440	240	350	300	380	500	100	14	35	591	100	100	80	87
	3	410	440	240	350	300	380	500	100	14	35	591	100	100	80	92
125-80-400	15	620	715	360	510	450	540	750	150	18	68	911	125	125	80	334
	18.5	635	715	360	510	450	540	750	150	18	66.5	941	125	125	80	369
	22	635	715	360	520	450	560	750	150	22	76.5	981	125	125	80	391
	30	665	715	360	520	500	560	820	160	22	68	1015	125	125	80	440
	37	695	715	360	520	500	560	820	160	22	76.5	1058	125	125	80	498
125-100-200	4	468	560	280	430	300	460	500	100	14	20	631	125	125	100	136
	5.5	493	560	280	430	350	460	550	100	18	20	687	125	125	100	152
	7.5	493	560	280	430	350	460	550	100	18	20	727	125	125	100	171
	11	540	560	280	430	400	460	650	125	18	45	835	125	125	100	222
125-100-250	15	565	585	305	470	400	500	700	150	18	70	924	140	125	100	278
125-100-315	11	590	645	330	470	400	500	700	150	18	69	869	140	125	100	261
	18.5	605	645	330	470	450	500	750	150	18	69	954	140	125	100	317
	22	605	645	330	470	450	500	750	150	18	69	994	140	125	100	335
	30	635	645	330	520	500	560	820	160	22	76.5	1028	140	125	100	394
125-100-400	30	665	715	360	580	500	620	800	150	22	50	1028	140	125	100	444
	37	715	735	380	585	550	625	950	200	22	100	1071	140	125	100	523
	45	715	735	380	585	550	625	950	200	22	100	1101	140	125	100	552
150-125-250	11	590	685	330	470	400	500	700	150	18	69	869	140	150	125	257
	15	590	685	330	470	400	500	700	150	18	69	924	140	150	125	284
	18.5	605	685	330	470	450	500	750	150	18	69	954	140	150	125	315
	22	605	685	330	470	450	500	750	150	18	69	994	140	150	125	333

NIS, NISF pump dimension table

4-pole

Model	Power (kW)	H	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Total weight (kg)
150-125-315	30	665	715	360	580	500	620	800	150	22	50	1028	140	150	125	430
	37	715	735	380	585	550	625	950	200	22	100	1071	140	150	125	507
150-125-400	45	750	815	415	585	550	625	950	200	22	100	1103	140	150	125	561
	55	780	815	415	585	550	625	950	200	22	100	1187	140	150	125	620
	75	815	815	415	630	600	670	1000	200	22	100	1262	140	150	125	776
200-150-315	37	750	815	415	605	500	670	900	200	22	100	1116	160	200	150	541
	45	750	815	415	605	500	645	900	200	22	100	1146	160	200	150	579
	55	780	815	415	605	600	645	1000	200	22	100	1254	160	200	150	650
	75	815	815	415	630	600	675	1100	250	22	150	1329	160	200	150	806
200-150-400	75	815	865	415	630	600	675	1100	250	22	150	1329	160	200	150	859
	90	815	865	415	630	600	675	1100	250	22	150	1379	160	200	150	956
	110	945	865	415	720	700	760	1220	260	22	160	1614	160	200	150	1325
250-200-315	37	750	865	415	605	500	670	900	200	22	100	1136	180	250	200	592
	45	750	865	415	605	500	645	900	200	22	100	1166	180	250	200	630
	55	780	865	415	605	600	645	1100	250	22	150	1274	180	250	200	695
	75	815	865	415	630	600	675	1100	250	22	150	1349	180	250	200	840
250-200-400	90	845	930	480	630	600	675	1100	250	22	150	1399	180	250	200	1015
	110	1010	930	480	720	750	760	1250	250	22	150	1634	180	250	200	1400
	132	1010	930	480	720	700	760	1220	260	22	160	1744	180	250	200	1495
	160	1010	930	480	720	700	760	1220	260	22	160	1744	180	250	200	1564
300-250-315(Q)	75	930	930	475	810	750	850	1250	250	22	90	1356	225	300	250	1120
	90	930	930	475	810	750	850	1250	250	22	90	1406	225	300	250	1182
	110	1005	930	475	810	750	850	1250	250	22	90	1743	225	300	250	1518
300-250-400(Q)	110	1055	1025	525	810	750	850	1250	250	22	90	1611	225	300	250	1582
	132	1055	1025	525	810	900	850	1400	250	22	90	1721	225	300	250	1676
	160	1055	1025	525	810	900	850	1400	250	22	90	1721	225	300	250	1777
	200	1055	1025	525	810	900	850	1400	250	22	90	1721	225	300	250	1853
300-250-315	75	930	930	475	810	750	850	1250	250	22	90	1356	225	300	250	1120
	90	930	930	475	810	750	850	1250	250	22	90	1406	225	300	250	1182
	110	1005	930	475	810	750	850	1250	250	22	90	1743	225	300	250	1518
300-250-400	132	1055	1025	525	810	900	850	1400	250	22	90	1721	225	300	250	1676
	160	1055	1025	525	810	900	850	1400	250	22	90	1721	225	300	250	1777
	200	1055	1025	525	810	900	850	1400	250	22	90	1721	225	300	250	1853

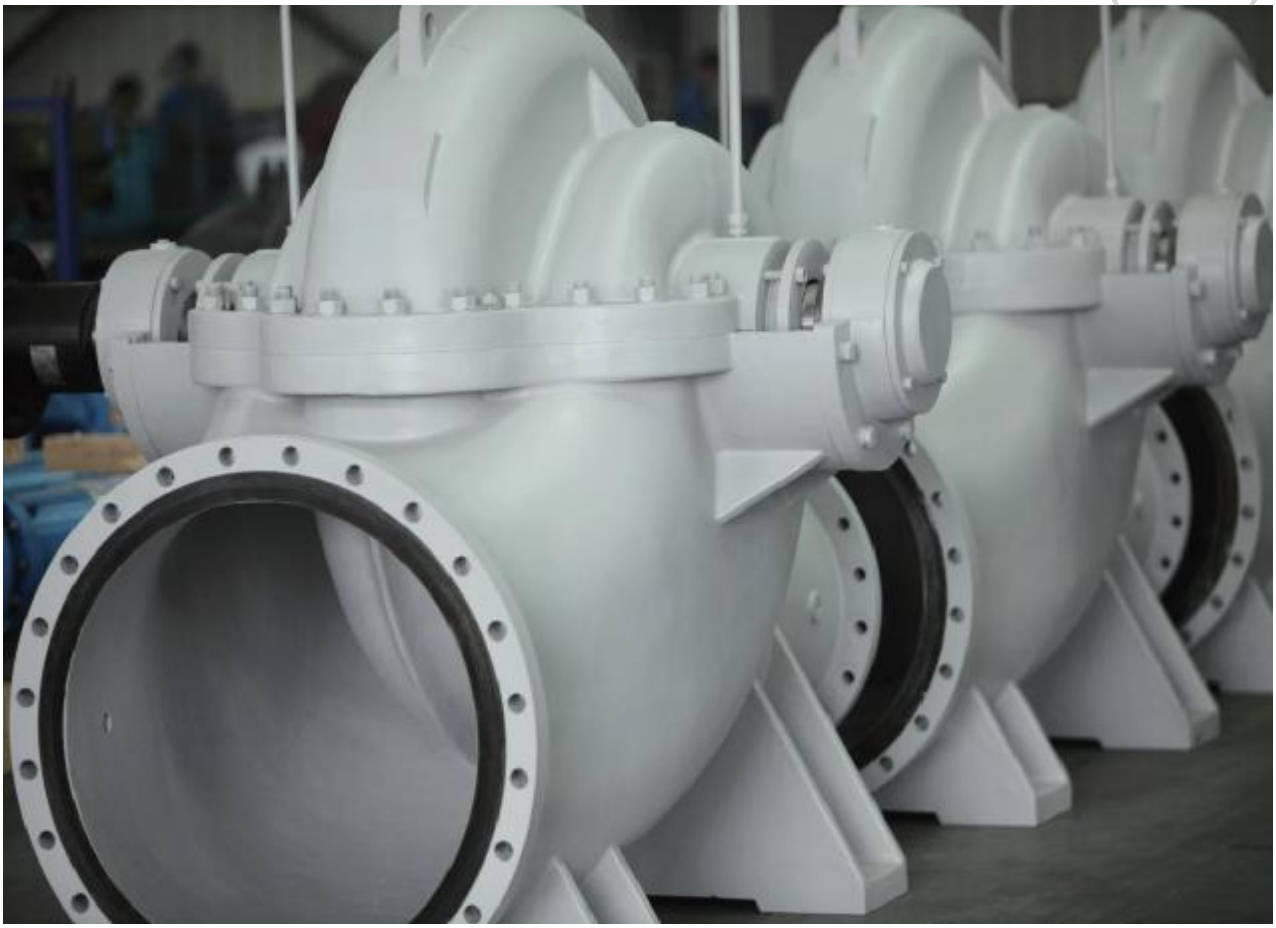
Note: Flange dimension of NIS,NISF series are the same with NISO series.

CNP

NSC Single Stage Double Suction Split Casing Centrifugal Pump

Technical Manual

(50HZ)



CNP CHANGSHA CO., LTD.

Pumping Water Pumping Honor





Water is vital for all known forms of life. As the population of the world continues to grow, so does the need for advanced, quality systems of water treatment, irrigation, drainage, and sewage treatment. Industrial growth, so vital to economic stability all over the world, must also embrace responsibel, safe, efficient waste disposal methods in order to comply with regulatory agencies and protect the environment in which we live from water and air pollution, CNP has helped many compaies attain this goal through decades of experience, incorporating sophisticated planning , engineering, and other support services to pumping stations around the world. Innovative fluid handling solutions that enhance reliability while lowering energy consumption and maintenance costs, reduce carbon emissions, and provide value are what CNP has built its reputation on.








CNP

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Brief Introduction

Applications

- Clean water or medium similar to water in Physical and chemical properties

  Water supply　Drainage　Irrigation　Power station
  Hydropower station　Fire-fighting　Air-conditioning　Building Industry
  Marine applications　All kinds of water for industrial processes

- Abrasive medium

  Sand water　Oxide scale water　Others

- Corrosive medium

  Desalination　Bittern　Sea water　Others

- High temperature medium

  Heating network circulating water　All kinds of chemical liquid

- Petroleum and chemical liquids (according to API610 BB1)

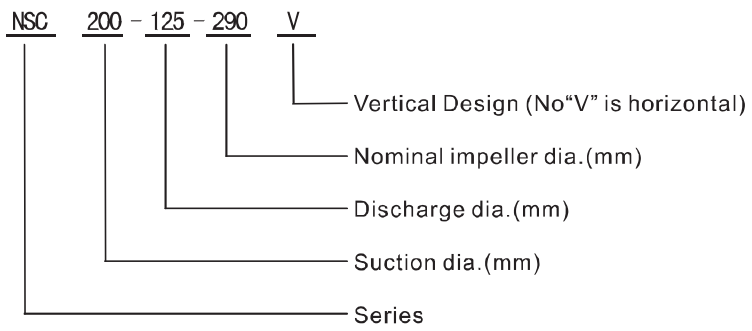
  Crude oil and refined oil　Oil loading and unloading of oil terminal　All kinds of chemical liquid

Specification

Capacity	Q :50~20000m³/h
Head	H : 10~230m
Suction Dia	DN: 100~1400mm
Discharge Dia	DN: 80~1200mm
Operating Pressure	P :≤5MPa
Operating Temperature	t :-15℃~+ 200℃(above 80℃,pls contact CNP)

Abrasive medium concentration:≤4%

Designation



Structure Design

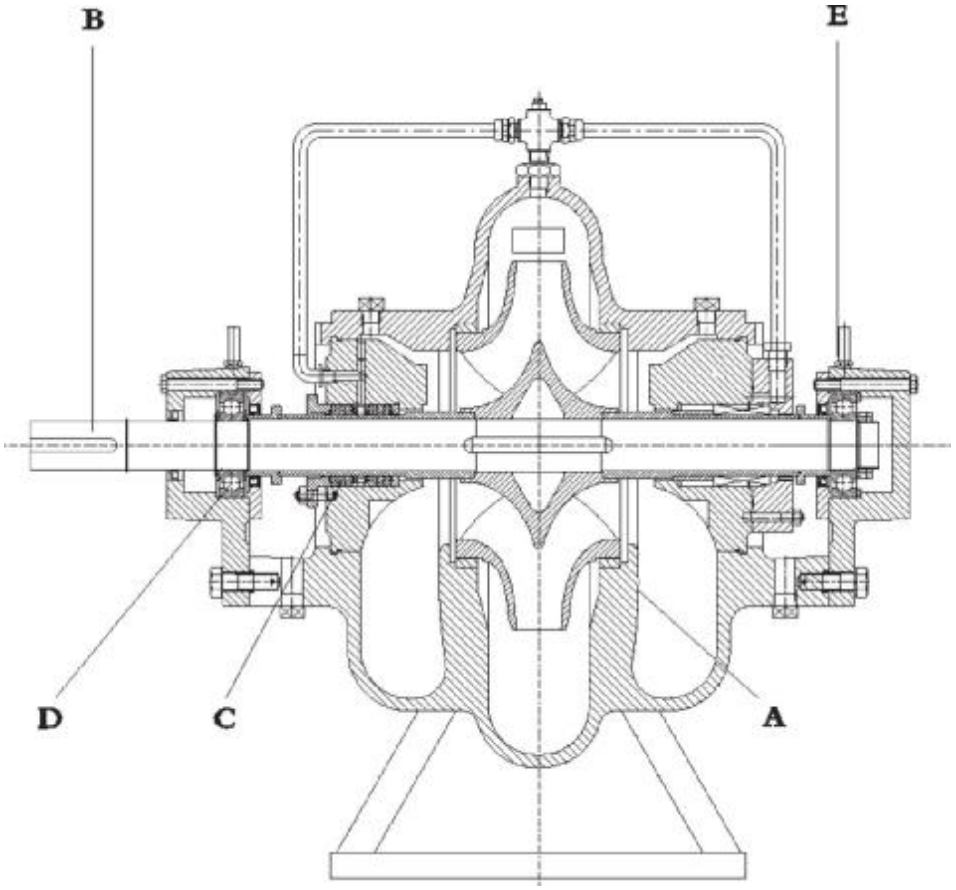
NSC is Single stage, axially split volute casing pump with double suction impeller, for horizontal and vertical installation. Drive shaft end of the horizontal pump optionally on the left or right side. Flanges drilled to GB, ISO, DIN, BS or ANSI.

Bearing

Horizontal: Grease lubricated ball bearings on both side, oil lubrication is optional. For the big size pump, sliding bearing is available.

Vertical: Grease lubricated ball bearings

Configuration Features



A. Casing

a. In-line axially split design which permits removal of the complete rotor without moving the pipe and motor
b. Short distance between bearings
c. Leak-tight due to compact joint flange with long, prestressed bolts
d. Counter-rotation possible with similar parts
e. Double volute casing reduces radial forces on the impeller and consequently the bearing loads
f. Easy mounting self-aligning upper casing
g. Flange drilled to ISO, DIN, BS or ANSI
h. Smooth surface inside and epoxy coating as required
i. Replaceable wear rings protect the casing at the impeller running clearances
j. Excellent efficiencies and outstanding NPSH improved by CFD
k. Heavy duty casing design for high working pressure

B. Rotor parts

a. Computer-optimized double entry impellers
b. Minimal axial thrust due to double-entry impeller
c. Impeller is statically and dynamically balanced according to ISO1940
d. Optional impeller wear rings
e. New vane passage with excellent hydraulic characteristics high-performance improved by CFD

C. Seal

a. Asbestos-free, potable water quality softpacked stuffing boxes
b. Unbalanced mechanical seal, according to DIN 24960 Balance mechanical seal for operating pressure >16 bar on required
c. Cartridge-type mechanical seal on required

D. Bearing

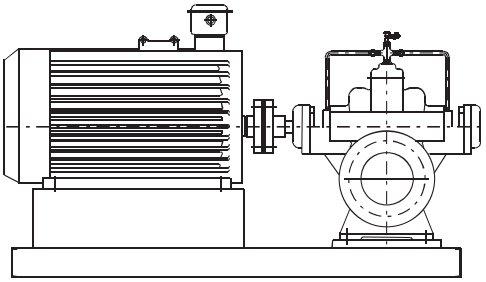
a. SKF covered, sealed for life grease lubricated antifriction bearings for long service life
b. Open gland, enough space for service activities
c. Optional: oil lubrication with constant level oiler

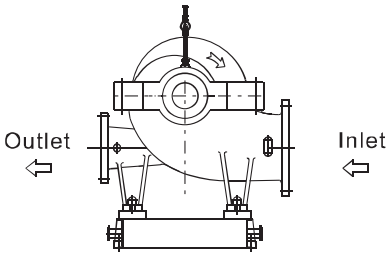
E. Controlling & protection

a. Heavy duty shaft completely sealed and dry for zero corrosion
b. Short and rigid with negligible vibrations
c. Replaceable shaft protecting sleeves
d. No threads exposed to pumped medium, long operating life and no corrosion
e. Adjustment-free assembly
f. Quick and easy assembly/dismantling ofthe rotor components due to elastically pr-estressed mountings
g. Maximum interchangeability shafts des-ign entire series for 2900rpm and 1450rpm model just six shafts and six bearings assemblies

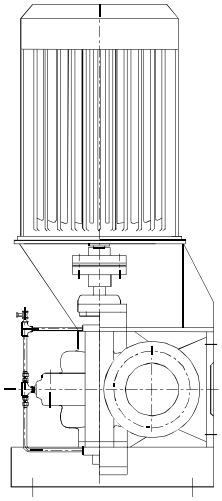
Pump and Motor Arrangement

Horizontal

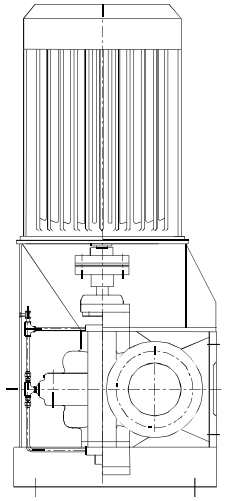




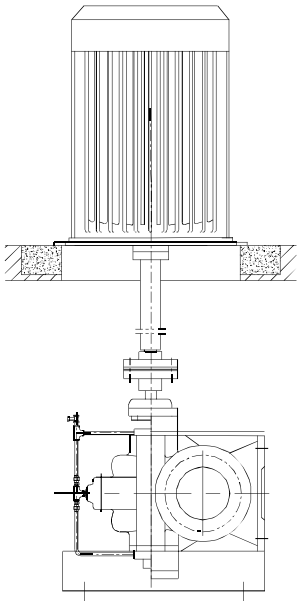
Vertical



TB



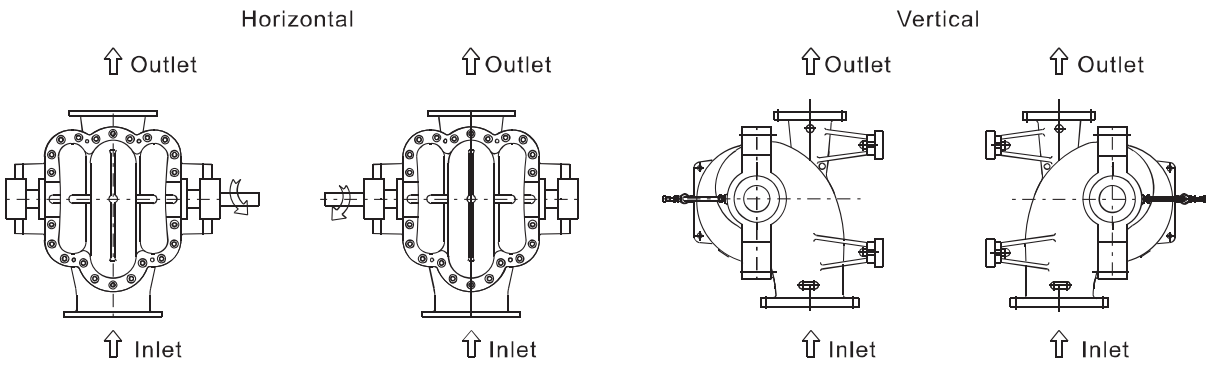
TK



TJ

Note：CNP chooses the TB or TK according to the motor size.

Direction of Rotation and Flow Direction



Standard Materials

Medium / Name	Clear water	Water with mud and sand/ Oxide scale water /Sewage/ Saline water	Sea water	Hot water	Petrochemical liquids
Casing	Cast Iron	Nickel chromium cast iron /Wear resistant cast iron /Cast steel + Wear-resistant coating	Duplex stainless steel	Ductile CI / Cast steel / Stainless steel	According to API610 I-1,I-2, S-5,S-8, C-6,A-7, A-8,D-1, D-2
Impeller	CI/Bronze/ Stainless steel	Ductile CI /SS420/ Stainless steel	Duplex stainless steel	SS420/ Stainless steel	
Bearing housing	Cast Iron	Cast Iron	Cast Iron	Cast Iron	
Shaft	SS420	SS420	Duplex stainless steel	SS420/ Stainless steel	
Wear ring	Cast Iron	Ductile CI/SS420	Bronze / Duplex stainless steel with hardening treatment	Ductile CI /Cast steel	
Shaft sleeve	SS420	SS420	Duplex stainless steel	SS420	
Shaft seal	Packing/ Mechanical seal	Packing/ Mechanical seal	Mechanical seal	Mechanical seal	
Flushing Pipeline	Q235-A	Q235-A	316L	Q235-A/stainless steel	

Note: The materials of pump parts are chosen according to the pressure rating, application, medium, operating temperature and customer requirements etc.

Technical Data

Shaft Diameter, Shaft Seal and Bearing

Unit: mm, unless other wise stated

Model	Shaft dia.	Nominal dia. Packing/ Mechanical d	Sealed chamber D	Sealed chamber L	Bearing	Mechanical seal	Pump structure
NSC125-80-210	35	50	75	72	6307 SKF	M74N/50-G92-Q2BVGG (Mechanical Seal Type B)	Horizontal Installation Type C
NSC125-80-270							
NSC125-80-350							
NSC150-100-250							
NSC150-100-320							
NSC150-100-400							
NSC150-100-400G	40	55	75	72	NU6308 /6308 SKF	H75N/55-G92-Q2BVGG (Mechanical Seal Type B)	Horizontal Installation Type C
NSC200-125-240	45	60	85	82	6309 SKF	M74N/60-G92-Q2BVGG (Mechanical Seal Type B)	Horizontal Installation Type C
NSC200-125-300							
NSC200-125-380							
NSC200-125-480							
NSC200-150-290							
NSC200-150-360							
NSC200-150-460	55	70	95	85	6311 SKF	M74N/70-G92-Q2BVGG (Mechanical Seal Type B)	Horizontal Installation Type C
NSC200-150-570							
NSC250-200-340							
NSC250-200-430							
NSC300-250-270							
NSC300-250-280							
NSC250-200-530	65	80	110	93	6313 FAG	M74N/80-G92-Q2BVGG (Mechanical Seal Type B)	Horizontal Installation Type C
NSC250-200-660							
NSC300-250-390							
NSC350-300-310							
NSC350-300-330							
NSC350-300-400							
NSC300-250-490	75	90	120	92	6315 SKF	M74N/90-G92-Q2BVGG (Mechanical Seal Type A)	Horizontal Installation Type C
NSC300-250-610							
NSC400-300-450							
NSC400-350-360							
NSC400-350-380							
NSC450-450-350							
NSC500-400-400							
NSC500-400-420							

Model	Shaft dia.	Nominal dia. packing/ mechanical seal d	Sealed chamber D	Sealed chamber L	Bearing	Mechanical seal Model	Pump structure
NSC600-500-550 NSC600-500-580	80	115	160	170	6320 SKF	M74N/115-G92-Q2BVGG (Mechanical Seal Type A)	Horizontal Installation Type A
NSC300-250-780	85	110	150	130	NU318/6318 SKF	H75N/110-G92-Q2BVGG (Mechanical Seal Type A)	Horizontal Installation Type B
NSC400-300-570 NSC400-300-700 NSC400-350-520 NSC500-400-500 NSC500-400-590 NSC500-400-675 NSC700-700-500	85	110	150	130	6317 FAG	M74N/110-G92-Q2BVGG (Mechanical Seal Type A)	Horizontal Installation Type B
NSC600-500-470 NSC600-500-520	95	115	160	170	6320 FAG	M74N/120-G92-Q2BVGG (Mechanical Seal Type A)	Horizontal Installation Type A
NSC500-400-540 NSC500-400-660 NSC500-300-790 NSC600-400-740 NSC600-450-640 NSC700-500-670 NSC700-600-600 NSC700-600-680	100	135	180	150	NU321/6321 SKF	M74N/135-G92-Q2BVGG (Mechanical Seal Type A)	Horizontal Installation Type B
NSC500-300-780	115	150	195	180	2XNU324/6324 SKF	H75N/150-G92-Q2BVGG (Mechanical Seal Type A)	Horizontal Installation Type A
NSC500-300-920 NSC600-400-850 NSC700-600-740					NU324/6324 SKF	M74N/150-G92-Q2BVGG (Mechanical Seal Type A)	
NSC800-700-750	120	160	205	170	NU326/6326 SKF	M74N/160-G92-Q2BVGG (Mechanical Seal Type A)	Horizontal Installation Type B
NSC700-500-940 NSC800-700-910 NSC1000-800-940	130	170	215	176	2XNU328/6328 NU328/2X6328 NU328/6328	M74N/170-G92-Q2BVGG (Mechanical Seal Type A)	Horizontal Installation Type A

Note: Above values are valic for the pumps under normal pressure and temperature, if the medium temp. is more than 80℃ and the pressure excesses the pressure limits in the below table, pls contact CNP.

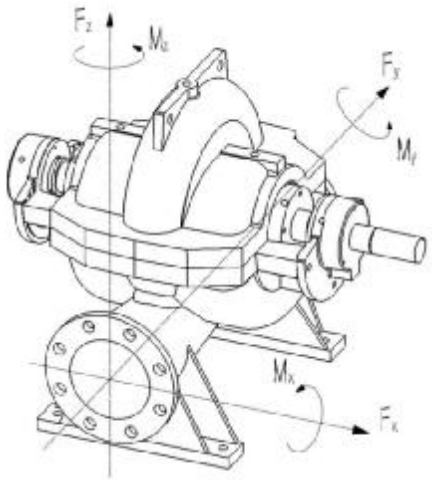
Pressure Limits

Model	Permissible operating pressures(MPa)	Model	Permissible operating pressures(MPa)
NSC125-80-210	1.6	NSC400-300-700	2.5
NSC125-80-270	1.6	NSC400-350-360	1.6
NSC125-80-350	1.6	NSC400-350-380	1.6
NSC150-100-250	1.6	NSC400-350-520	1.6
NSC150-100-320	1.6	NSC450-450-350	1.0
NSC150-100-400	1.6	NSC500-300-780	3.0
NSC150-100-400G	3.0	NSC600-300-920	2.5
NSC200-125-240	1.6	NSC500-400-400	1.6
NSC200-125-300	1.6	NSC500-400-420	1.6
NSC200-125-380	1.6	NSC500-400-500	1.6
NSC200-125-480	1.6	NSC500-400-540	1.6
NSC200-150-290	1.6	NSC500-400-590	1.0
NSC200-150-360	1.6	NSC500-400-660	2.5
NSC200-150-460	1.6	NSC500-400-675	1.0
NSC200-150-570	2.5	NSC600-400-740	1.6
NSC250-200-340	1.6	NSC600-400-850	1.6
NSC250-200-430	1.6	NSC600-450-640	1.6
NSC250-200-530	1.6	NSC600-500-470	1.0
NSC250-200-660	2.5	NSC600-500-520	1.0
NSC300-250-270	1.6	NSC600-500-550/580	1.0
NSC300-250-280	1.6	NSC700-500-670	1.6
NSC300-250-390	1.6	NSC700-500-940	2.5
NSC300-250-490	1.6	NSC700-600-600	1.0
NSC300-250-610	1.6	NSC700-600-680	1.0
NSC300-250-780	3.0	NSC700-600-740	1.6
NSC350-300-310	1.6	NSC700-700-500	1.0
NSC350-300-330	1.6	NSC800-700-750	1.0
NSC350-300-400	1.6	NSC800-700-910	1.6
NSC400-300-450	1.6	NSC1000-800-940	1.0
NSC400-300-570	1.6		

Remark:1.The max test pressure in above table is 1.6Mpa and pump casing material within this range apply to HT250; if the pressure is over 1.6 Mpa,should use ductile cast iron or the better materials. 2.The max test pressure in above table pump is 2.5Mpa and above,if the max test pressure is within 2.0Mpa, casing material can be HT250,if the max test pressure is more than 2.0Mpa, casing material should be ductile cast iron or the other better materials。

Impeller,Nozzle Forces and Nozzle Moments

Model	Impeller Dimensions(mm)		Permissible Nozzle forces Fx、Fy、Fz N	Permissible Nozzle moments Mx、My、Mz Nm
	Free passage +/−10%	Max.Diameter		
NSC125-80-210	30	216	800	500
NSC125-80-270	25	270		
NSC125-80-350	22	345		
NSC150-100-250	30	254	1000	700
NSC150-100-320	24	325		
NSC150-100-400	21	423		
NSC150-100-400G	21	423		
NSC200-125-240	48	250	1500	1000
NSC200-125-300	37	301		
NSC200-125-380	35	395	2000	1500
NSC200-125-480	29	491		
NSC200-150-290	52	290	2500	2000
NSC200-150-360	44	370		
NSC200-150-460	35	460		
NSC200-150-570	32	585	3000	
NSC250-200-340	57	338	4000	2750
NSC250-200-430	52	426		
NSC250-200-530	40	530		
NSC250-200-660	38	665		
NSC300-250-270	119	302		
NSC300-250-280	96	321		
NSC300-250-390	70	395		
NSC300-250-490	60	490		
NSC300-250-610	45	610		
NSC300-250-780	42	770		3000
NSC350-300-310	132	310		
NSC350-300-330	101	350		
NSC350-300-400	81.6	425		
NSC400-300-450	81	450		
NSC400-300-570	67	580	5000	
NSC400-300-700	65	700		
NSC400-350-360	149	360		
NSC400-350-380	122	415		
NSC400-350-520	90	558		
NSC450-450-350	161	350		
NSC500-300-780	81	780	5600	3200
NSC500-300-920	85.4	920		
NSC500-400-400	180.6	412		
NSC500-400-420	180	425		
NSC500-400-500	166.1	498		
NSC500-400-540	105	545		
NSC500-400-590	105	545		
NSC500-400-660	84.9	666		
NSC500-400-675	84.9	666		
NSC600-400-740	99	740	6900	3800
NSC600-400-850	102	860		
NSC600-450-640	128	650		
NSC600-500-470	175	520	8800	4900
NSC600-500-520				
NSC600-500-550	243	580		
NSC600-500-580				
NSC700-500-670	130	672		
NSC700-500-940	128.5	940		
NSC700-600-600	103.5	610	10700	6300
NSC700-600-680	240	702		
NSC700-600-740	146	780		
NSC700-700-500	246	522		
NSC800-700-750	315.9	750	12600	7100
NSC800-700-910	196	920		
NSC1000-800-940	291	940		



Note: Values are valid for casing materials cast iron, for casing material ductile cast iron use 1.4-fold value and for cast steel use 1.7-fold value. If require for the dimension of pump which is not shown in the above table, pls contact CNP.

Speeds

The Performance Range Chart shows the pump operating range, for higher speeds, pls consult CNP.

Vibrations

1.The normal operating range of pump is 0.4~1.25 times of rated capacity.

2.The vibration values of pump are according to ISO 2372-1974.

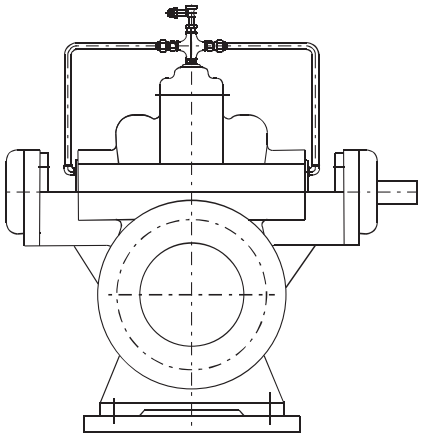
Paint Specifications

	Inside	Outside
Pre-treatment	Blasting (2 times)	
Primer coating	Epoxy zinc-rich primer	
Finish coating	Wet parts use the Interzone 954 or Epoxy zinc-rich primer	Acrylic Enamel Normal NSC: RAL5015(Blue) Fire-Fighting Pump: RAL3000(Red)

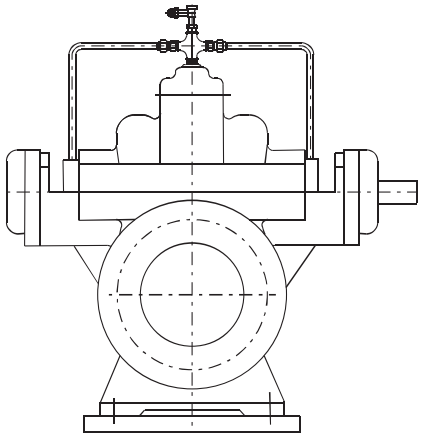
Note: Super light energy saving coating, wear-resistant coating, anti-corrosion coating and others are available according to the different medium, application, customer requirements and the coating is extra-charged.

Arrangement

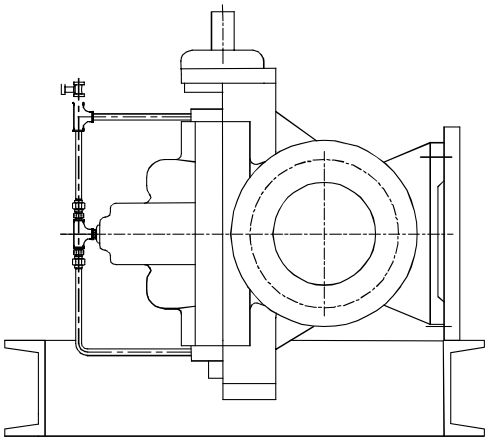
Sealing Water Pipes



▲01Flushing water piping stuffing box

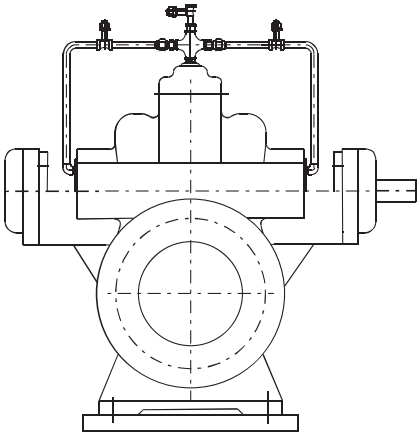


▲ 02Flushing water piping mechanical seal

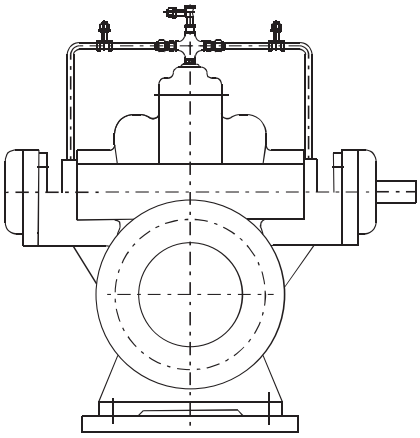


▲ 03 Mechanical seal and flushing water piping for lineshaft bearing

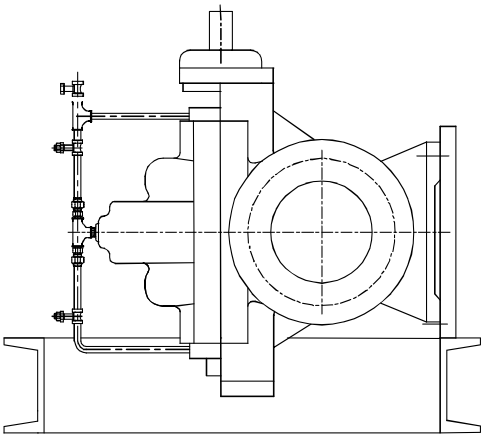
Venting Connections and Bearing Temperature Sensor (Vent valves are available as accessories)



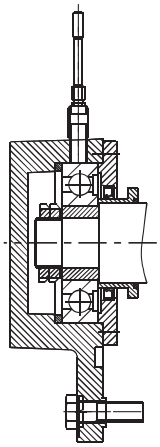
▲ 04Flushing water piping stuffing box with vent valve



▲ 05Flushing water piping mechanical seal with vent valve



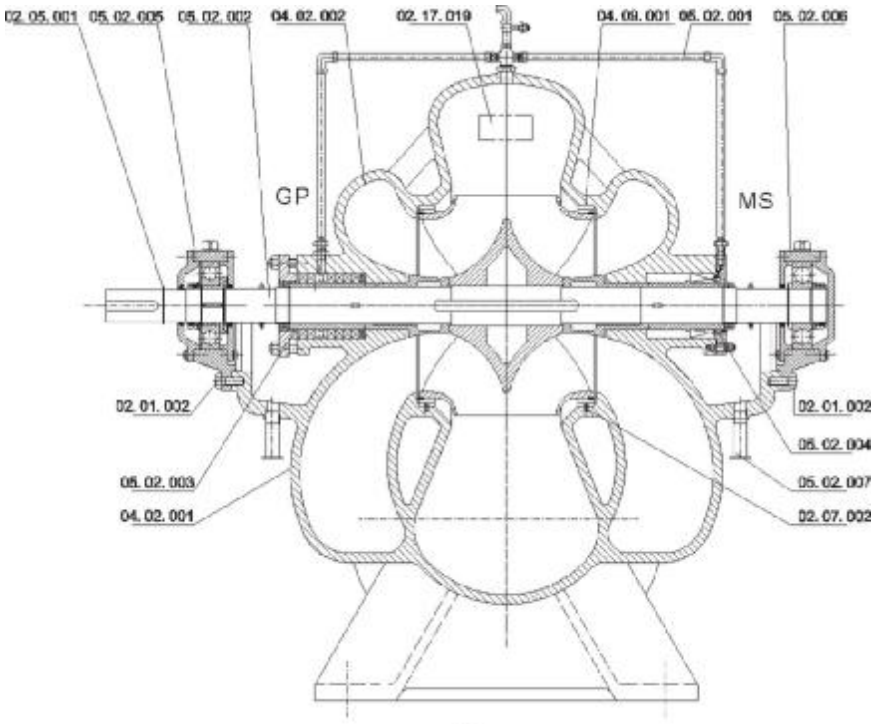
▲06 Flushing water piping and vent valve(Vertical installation)



▲07Bearing temperature sensor (PT100)

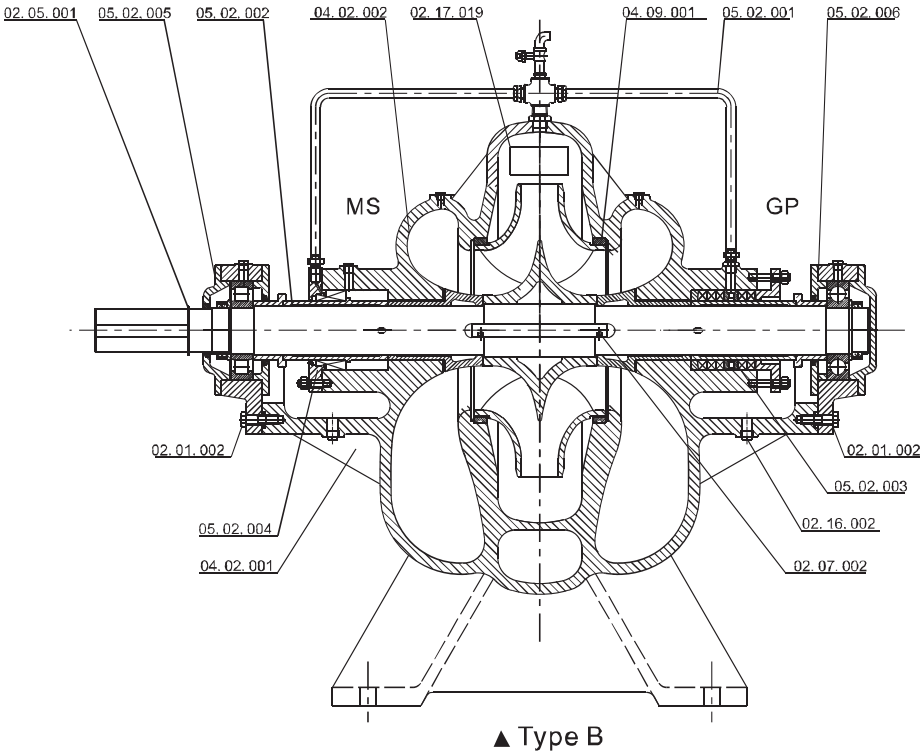
Sectional View—NSC

Horizontal Installation



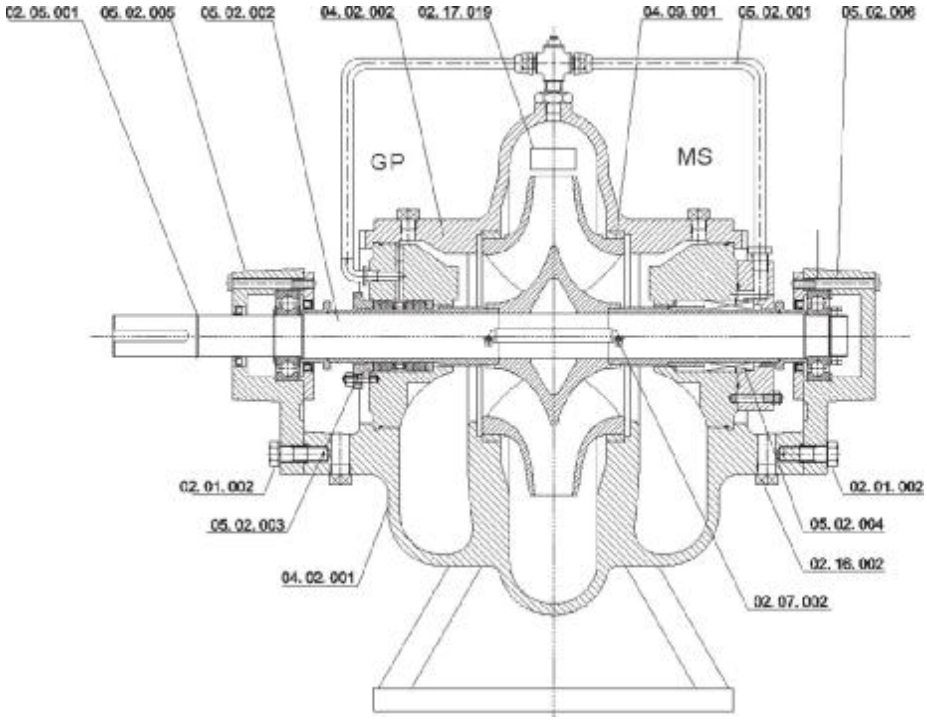
▲ Type A

Part No.	Part Name
02.05.001	Shaft Circlip
05.02.005	Bearing assembly (DE)
05.02.002	Rotor assembly
04.02.002	Upper casing
02.17.019	Nameplate
04.09.001	Casing wear ring
05.02.001	Flushing water piping
05.02.006	Bearing assembly (NDE)
02.01.002	Bolt
05.02.003	Packing seal assembly
04.02.001	Lower casing
05.02.004	Mechanical seal assembly
05.02.007	Drainage pipe
02.07.002	Wear ring dowel pin



▲ Type B

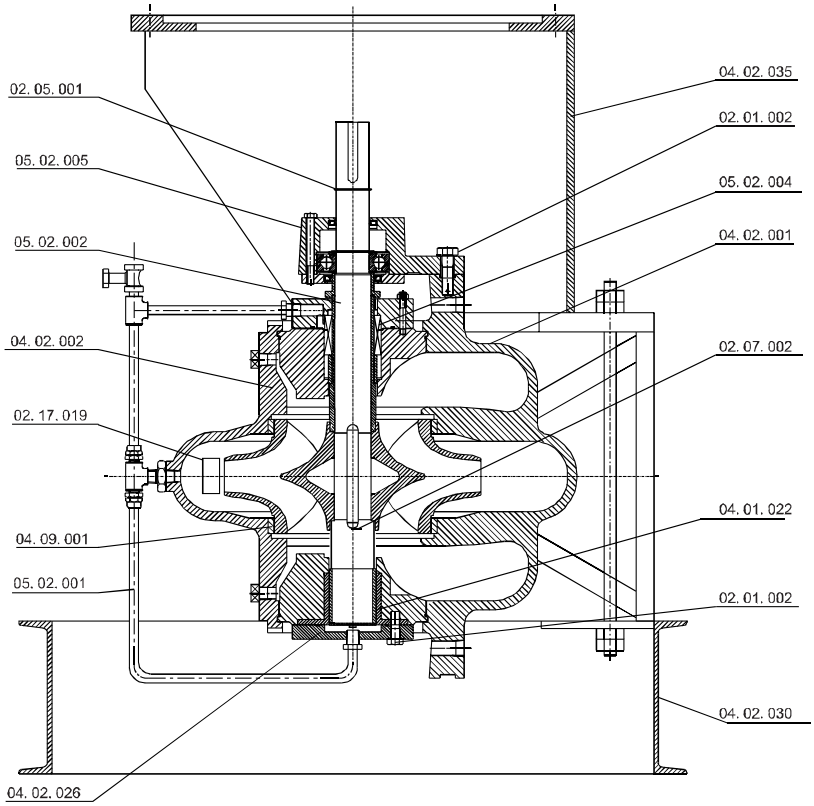
Part No.	Part Name
02.05.001	Shaft Circlip
05.02.005	Bearing assembly (DE)
05.02.002	Rotor assembly
04.02.002	Upper casing
02.17.019	Nameplate
04.09.001	Casing wear ring
05.02.001	Flushing water piping
05.02.006	Bearing assembly (NDE)
02.01.002	Bolt
05.02.004	Mechanical seal assembly
04.02.001	Lower casing
05.02.003	Packing seal assembly
02.16.002	Plug
02.07.002	Wear ring dowel pin



Part No.	Part Name
02.05.001	Shaft Circlip
05.02.005	Bearing assembly (DE)
05.02.002	Rotor assembly
04.02.002	Upper casing
02.17.019	Nameplate
04.09.001	Casing wear ring
05.02.001	Flushing water piping
05.02.006	Bearing assembly (NDE)
02.01.002	Bolt
05.02.003	Packing seal assembly
04.02.001	Lower casing
05.02.004	Mechanical seal assembly
02.16.002	Plug
02.07.002	Wear ring dowel pin

▲ Type C

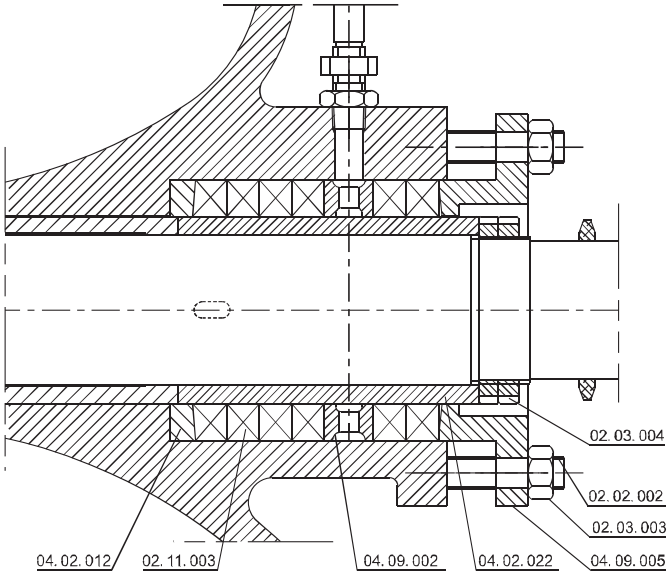
Vertical Installation



Part No.	Part Name
02.05.001	Shaft Circlip
05.02.005	Bearing assembly (DE)
05.02.002	Rotor assembly
04.02.002	Upper casing
02.17.019	Nameplate
04.09.001	Casing wear ring
05.02.001	Flushing water piping
04.02.026	Cap
04.02.035	Motor riser
02.01.002	Bolt
05.02.004	Mechanical seal assembly
04.02.001	Lower casing
02.07.002	Wear ring dowel pin
04.01.022	Bearing bush
04.02.030	Foot

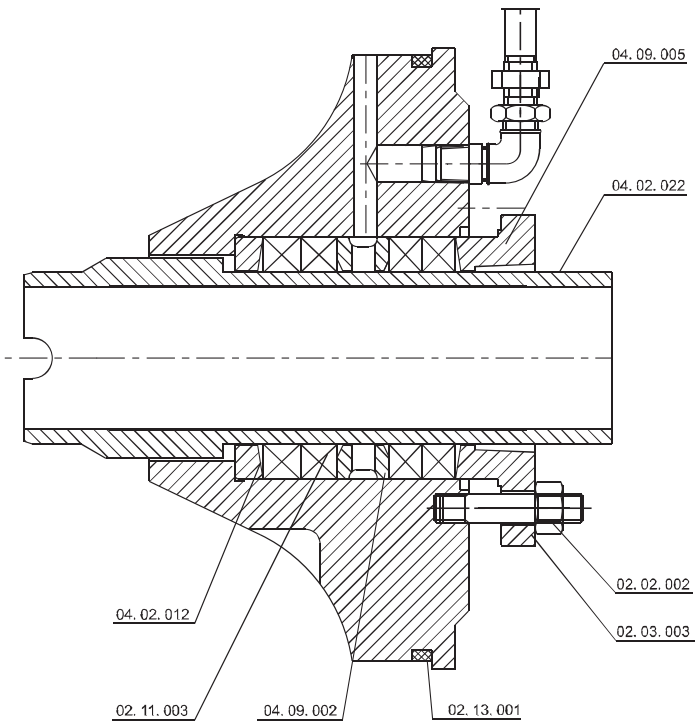
Sectional View—Shaft Seal

1.Soft Packed Stuffing Box



Part No.	Part Name
04.02.012	Set neck ring
02.11.003	Gland packing
04.09.002	Lantern ring
04.02.022	Shaft protecting sleeve
04.09.005	Gland
02.03.003	Nut
02.02.002	Bolt
02.03.004	Round nut

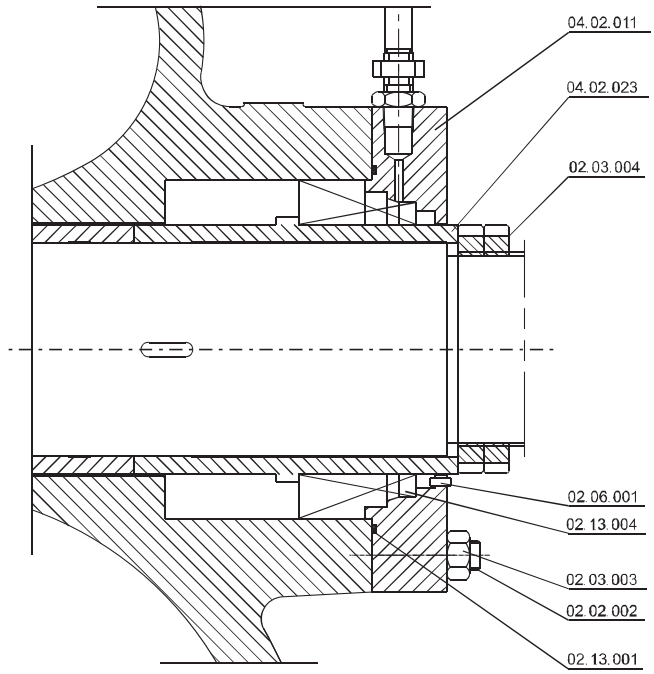
▲ Type A—Apply to horizontal installation type A and B



Part No.	Part Name
04.09.005	Gland
04.02.022	Shaft protecting sleeve
04.02.012	Set neck ring
02.11.003	Gland packing
04.09.002	Lantern ring
02.13.001	O-Ring
02.02.002	Bolt
02.03.003	Nut

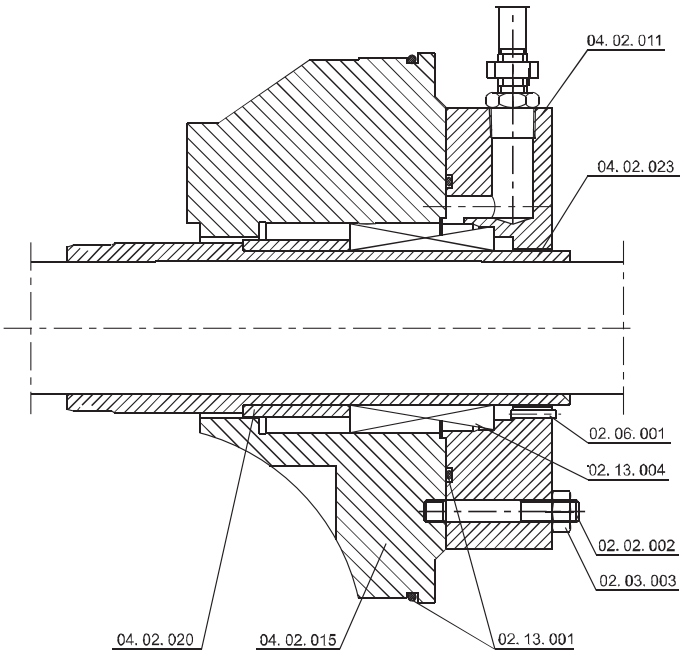
▲ Type B—Apply to horizontal installation type C

2.Mechanical Seal



▲ Type A—Apply to horizontal installation type A and B

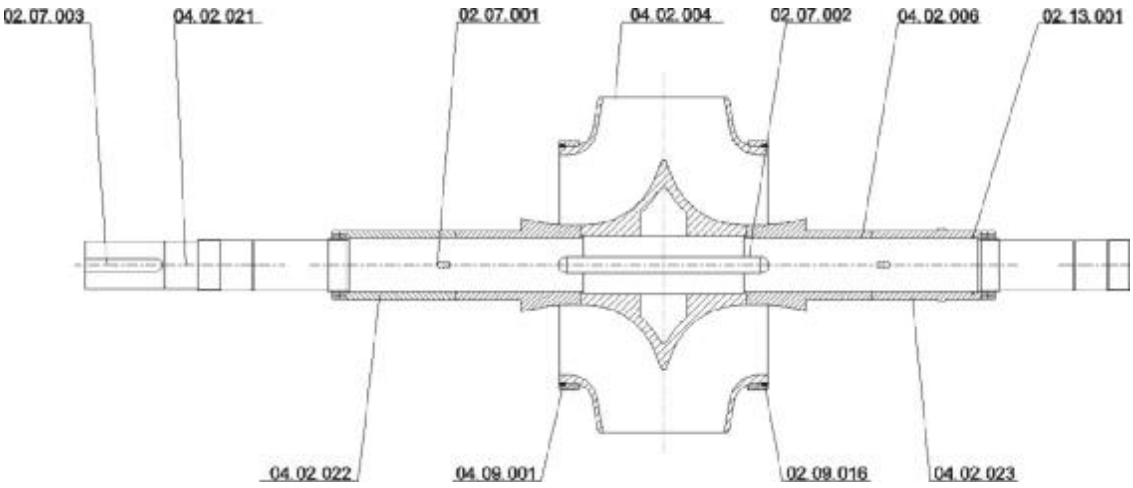
Part No.	Part Name
04.02.011	Seal cover
04.02.023	Shaft protecting sleeve
02.03.004	Round nut
02.06.001	Round pin
02.13.004	Shaft seal unit
02.03.003	Nut
02.02.002	bolt
02.13.001	O-Ring



▲ Type B—Apply to horizontal installation type C

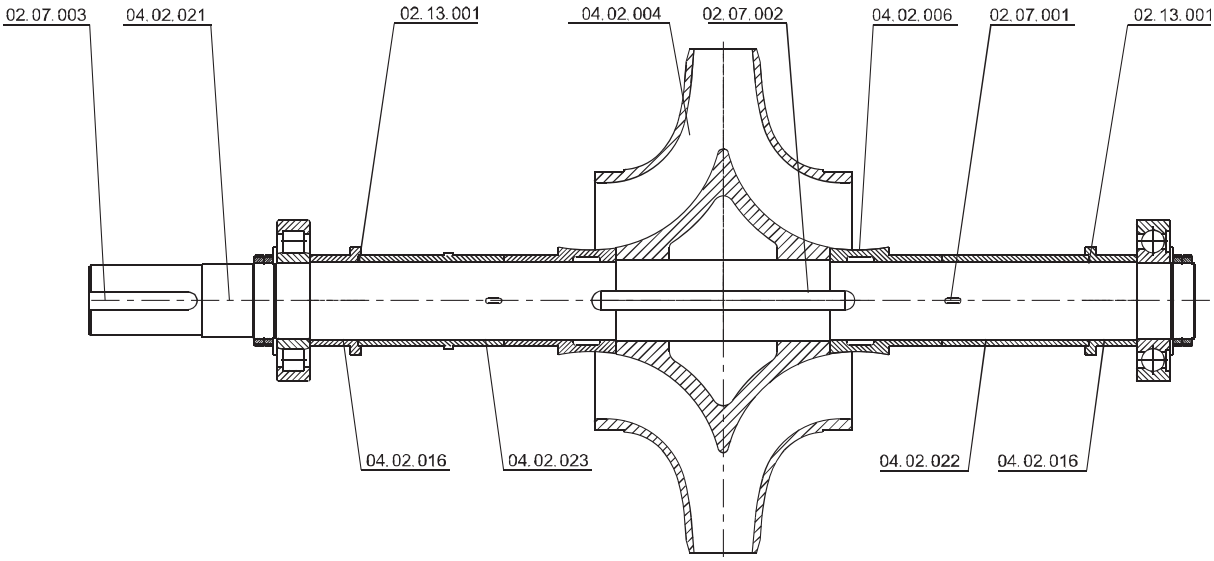
Part No.	Part Name
04.02.011	Seal cover
04.02.023	Shaft protecting sleeve
02.06.001	Round pin
02.13.004	Shaft seal unit
02.02.002	Bolt
02.03.003	Nut
02.13.001	O-Ring
04.02.015	Shaft seal housing
04.02.020	Spacer sleeve

Sectional View—Rotor



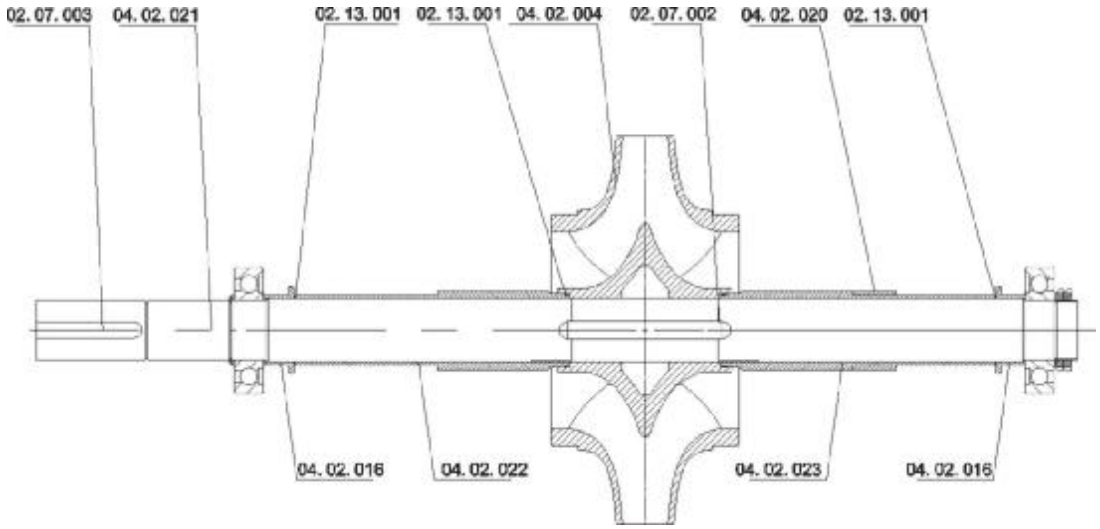
▲ Type A—Apply to horizontal installation type A

Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
02.07.003	Key C	04.02.021	Shaft	02.07.001	Key A
04.02.004	Impeller	02.07.002	Key B	04.02.006	Shaft protecting sleeve
02.13.001	O-Ring	04.02.022	Shaft protecting sleeve(GP)	04.09.001	Impeller seal ring
02.09.016	Impeller locating screw	04.02.023	Shaft protecting sleeve(MS)		



▲ Type B—Apply to horizontal installation type B

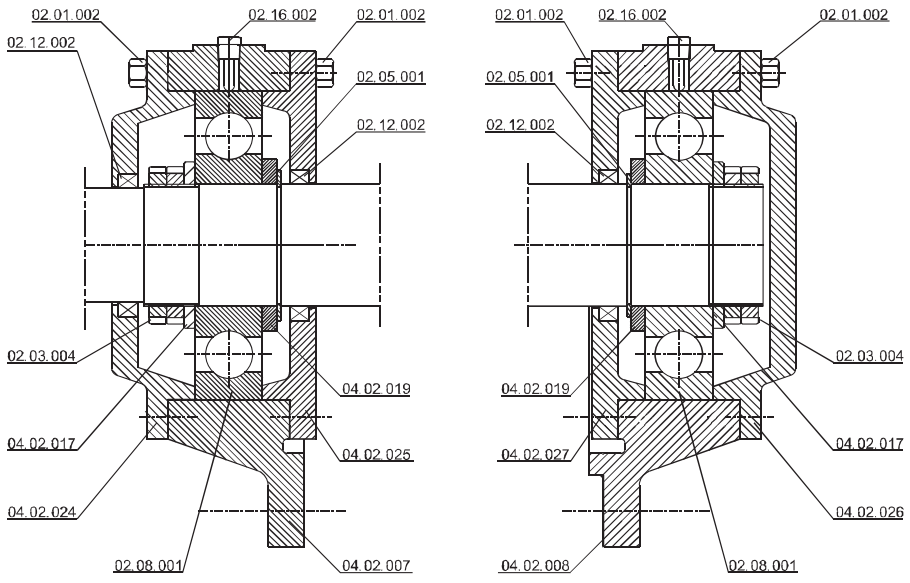
Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
02.07.003	Key C	04.02.021	Shaft	02.13.001	O-Ring
04.02.004	Impeller	02.07.002	Key B	04.02.006	Shaft protecting sleeve
02.07.001	Key A	04.02.016	Water baffle sleeve	04.02.023	Shaft protecting sleeve(MS)
04.02.022	Shaft protecting sleeve(GP)				



▲Type C—Apply to horizontal installation type C

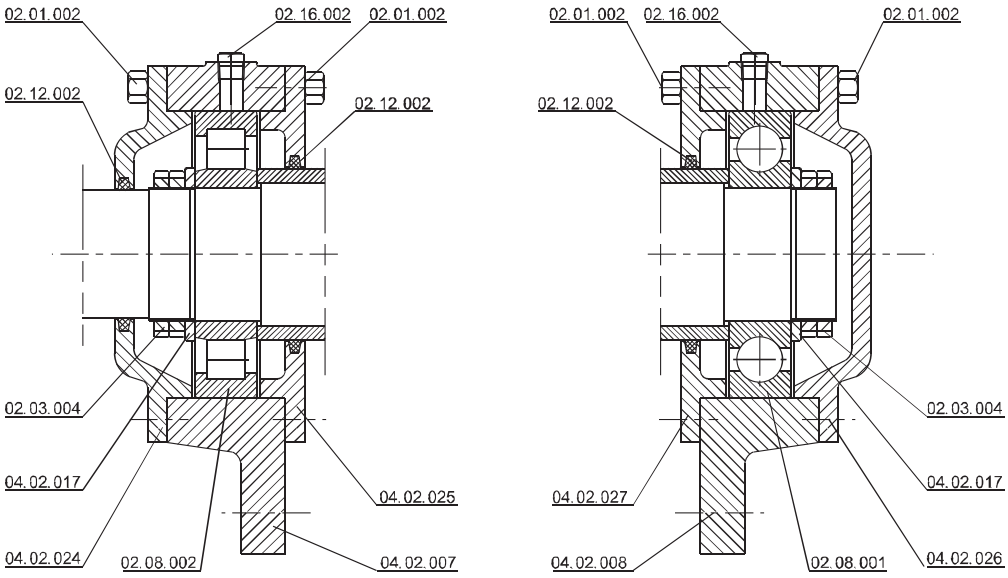
Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
02.07.003	Key C	04.02.021	Shaft	02.13.001	O-Ring
04.02.004	Impeller	02.07.002	Key B	04.02.020	Spacer sleeve(MS)
04.02.023	Shaft protecting sleeve(MS)	04.02.016	Water baffle sleeve	04.02.022	Shaft protecting sleeve(GP)

Sectional View—Bearing



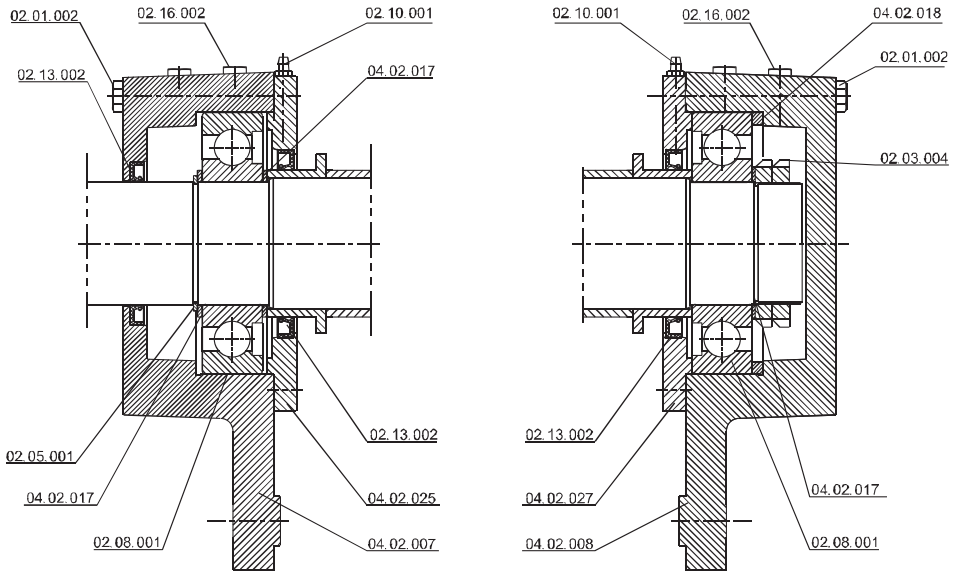
▲Type A---Apply to horizontal installation type A

Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
02.01.002	Hex bolts	02.12.002	Bearing retainer ring	02.03.004	Round nut	04.02.017	Bearing circlip
04.02.024	Bearing outer cover(DE)	02.08.001	Deep groove ball bearing	02.16.002	Plug	02.05.001	Shaft Circlip
04.02.019	Lip seal ring	04.02.025	Bearing inner cover (DE)	04.02.007	Bearing housing (DE)	04.02.027	Bearing inner cover (NDE)
04.02.008	Bearing housing (NDE)	04.02.026	Bearing outer cover (NDE)				



▲Type B—Apply to horizontal installation type B

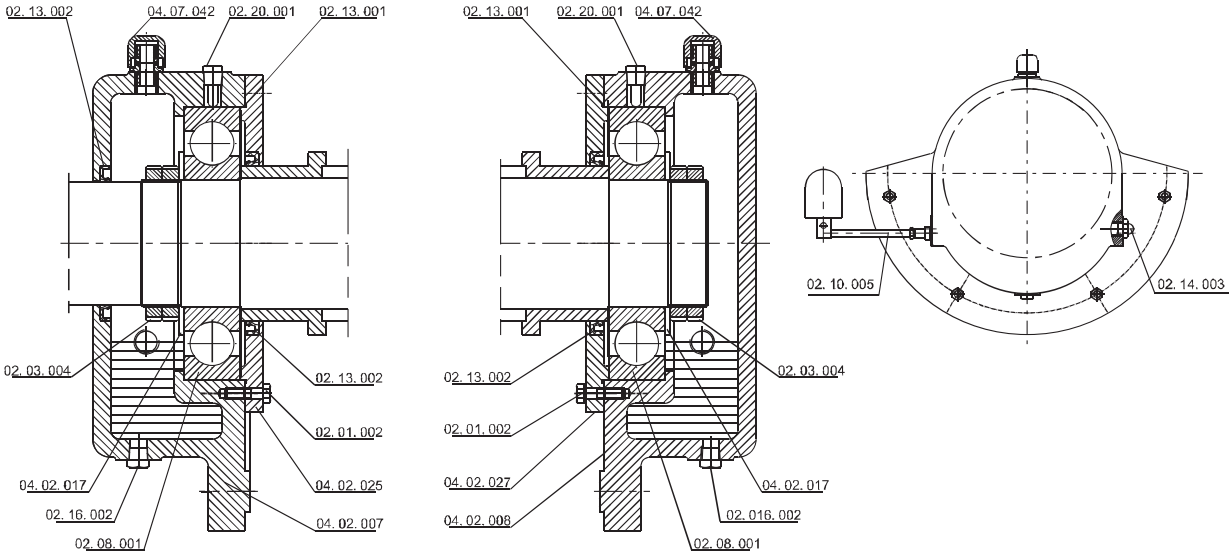
Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
02.01.002	Hex bolts	02.12.002	Felt ring	02.03.004	Round nut	04.02.017	Bearing circlip
04.02.024	Bearing outer cover(DE)	02.08.002	Roller bearing	02.16.002	Plug	04.02.025	Bearing inner cover (DE)
04.02.007	Bearing housing (DE)	04.02.027	Bearing inner cover (NDE)	04.02.008	Bearing housing (NDE)	02.08.001	Deep groove ball bearing
04.02.026	Bearing outer cover (NDE)						



▲Type C—Apply to horizontal installation type C

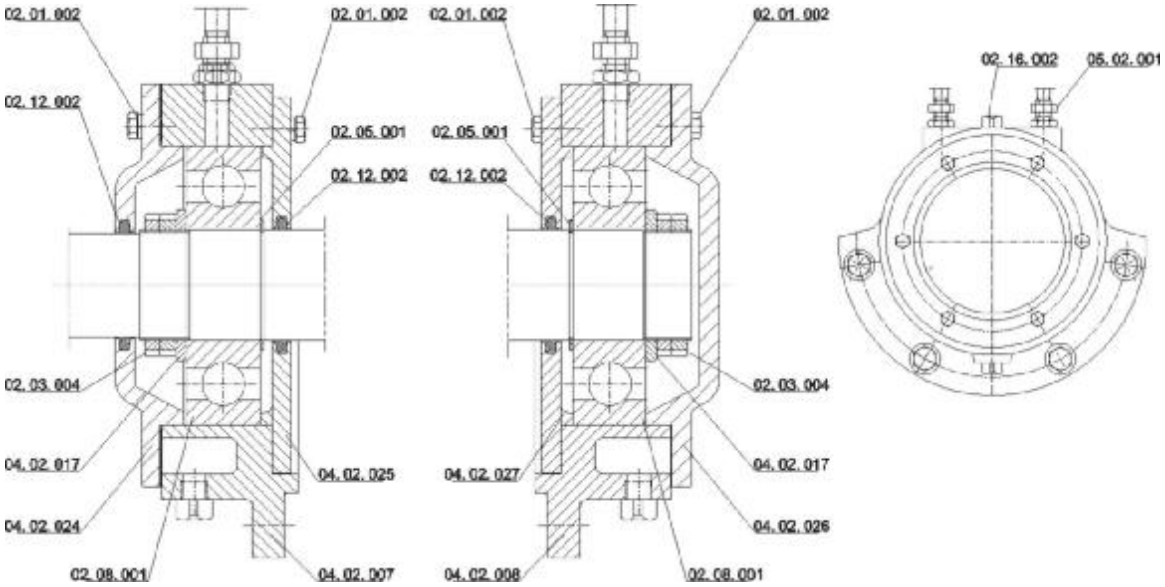
Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
02.01.002	Hex bolts	02.13.002	Lip-type seal ring	02.05.001	Shaft Circlip	04.02.017	Bearing circlip
02.08.001	Deep groove ball bearing	02.16.002	Plug	02.10.001	Straight-through type oil cup	04.02.025	Bearing inner cover (DE)
04.02.007	Bearing housing (DE)	04.02.027	Bearing inner cover (NDE)	04.02.008	Bearing housing (NDE)	04.02.018	Bearing locating ring
02.03.004	Round nut						

Bearing with oil lubrication



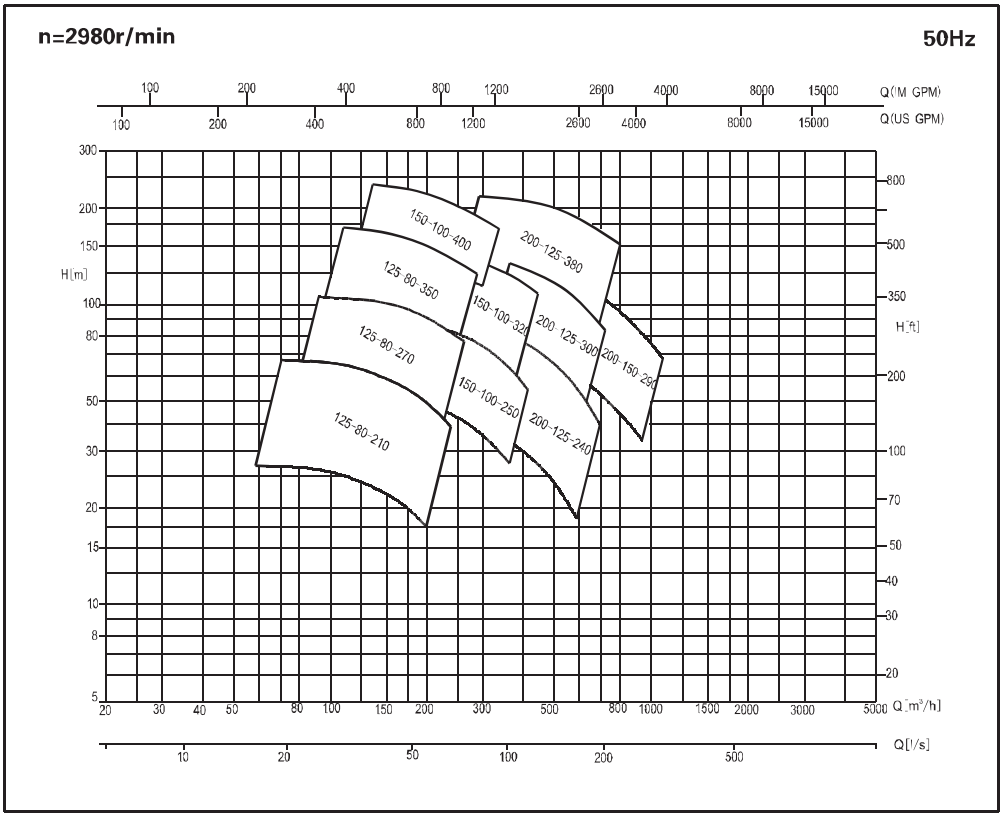
Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
02.13.002	Lip-type seal ring	02.03.004	Round nut	04.02.017	Bearing circlip	02.16.002	Plug
02.08.001	Deep groove ball bearing	04.07.042	Breather cap	02.20.001	Temperature measuring device	02.13.001	O-Ring
02.01.002	Hex bolts	04.02.025	Bearing inner cover (DE)	04.02.007	Bearing housing (DE)	04.02.027	Bearing inner cover (NDE)
04.02.008	Bearing housing (NDE)	02.14.003	Oil sight gauge	02.10.005	Constant lever oiler		

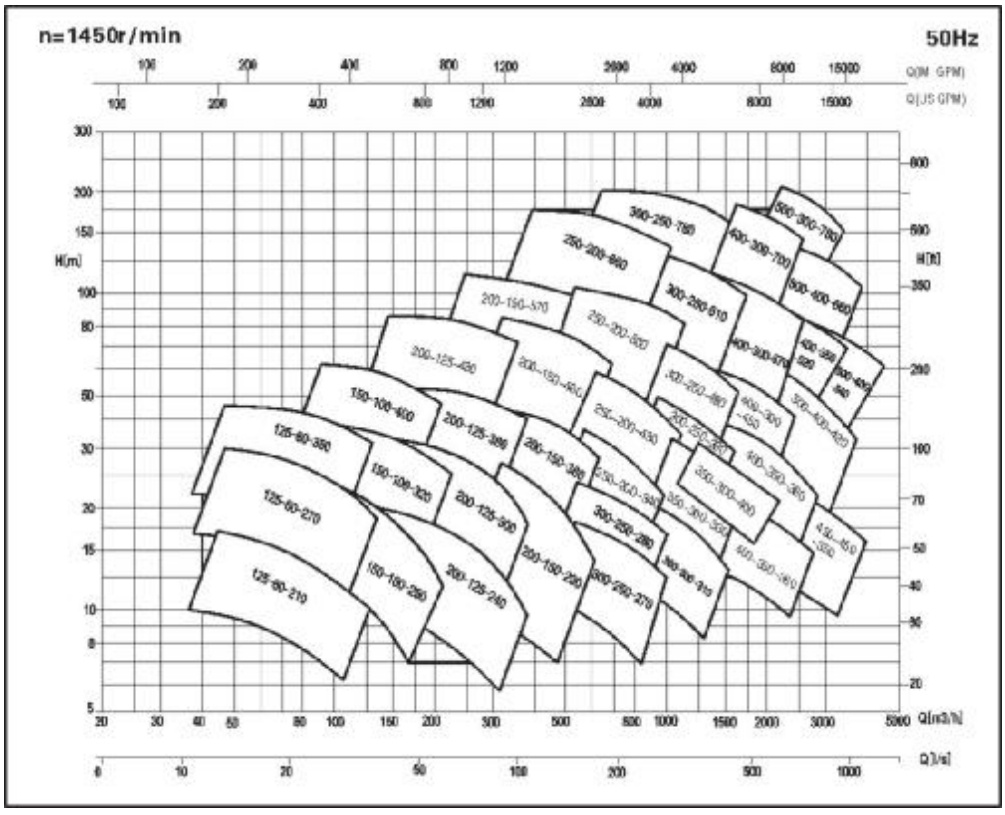
Bearing with water cooling(Pumping higher temp. liquid)

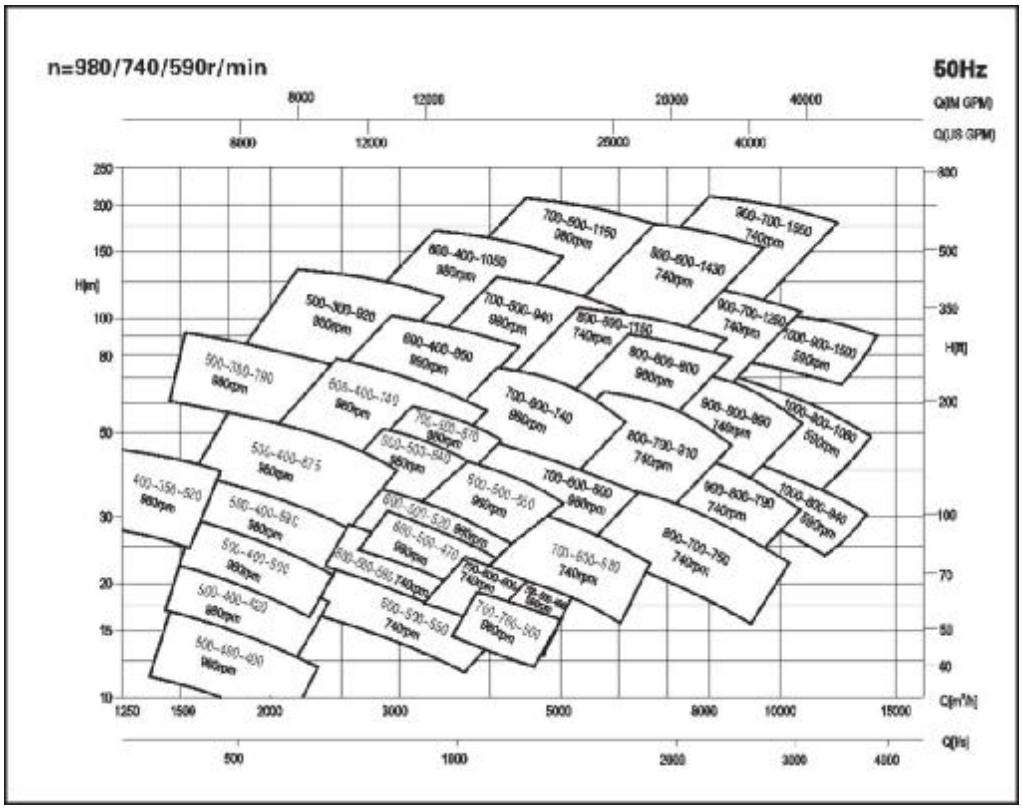


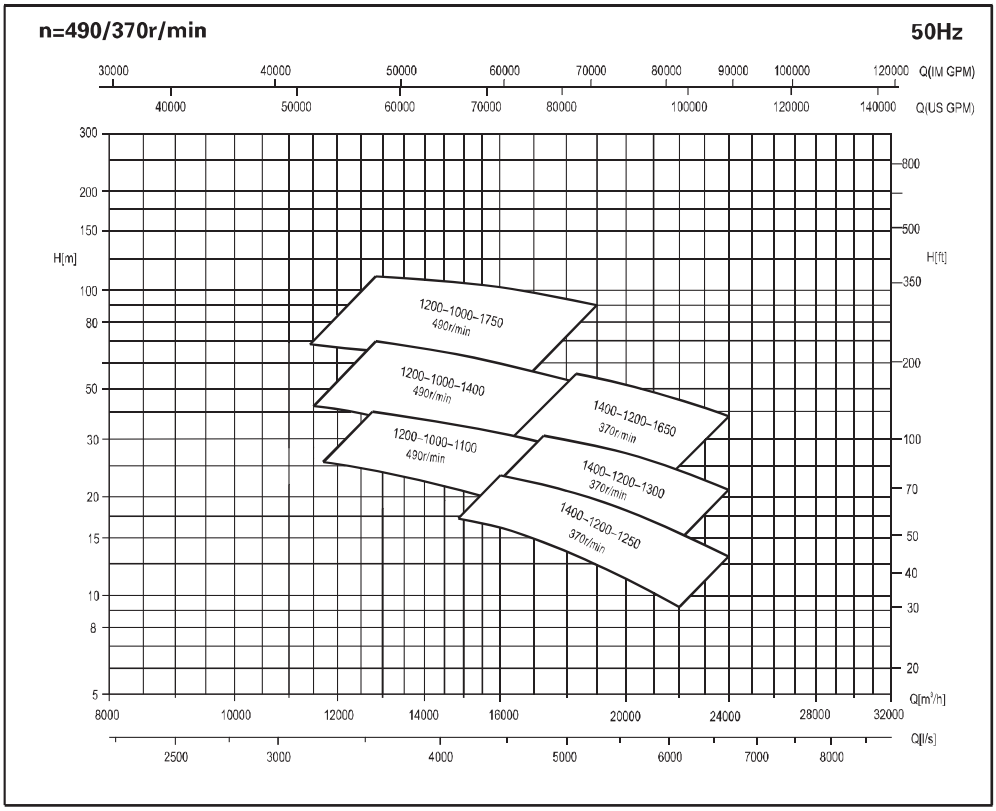
Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
02.01.002	Hex bolts	02.12.002	Felt ring	02.03.004	Round nut	04.02.017	Bearing circlip
04.02.024	Bearing outer cover(DE)	02.08.001	Deep groove ball bearing	02.05.001	Shaft Circlip	04.02.008	Bearing housing (NDE)
04.02.025	Bearing inner cover (DE)	04.02.007	Bearing housing (DE)	04.02.027	Bearing inner cover (NDE)		
04.02.026	Bearing outer cover (NDE)	02.16.002	Plug	05.02.001	Cooling Piping		

Performance Range



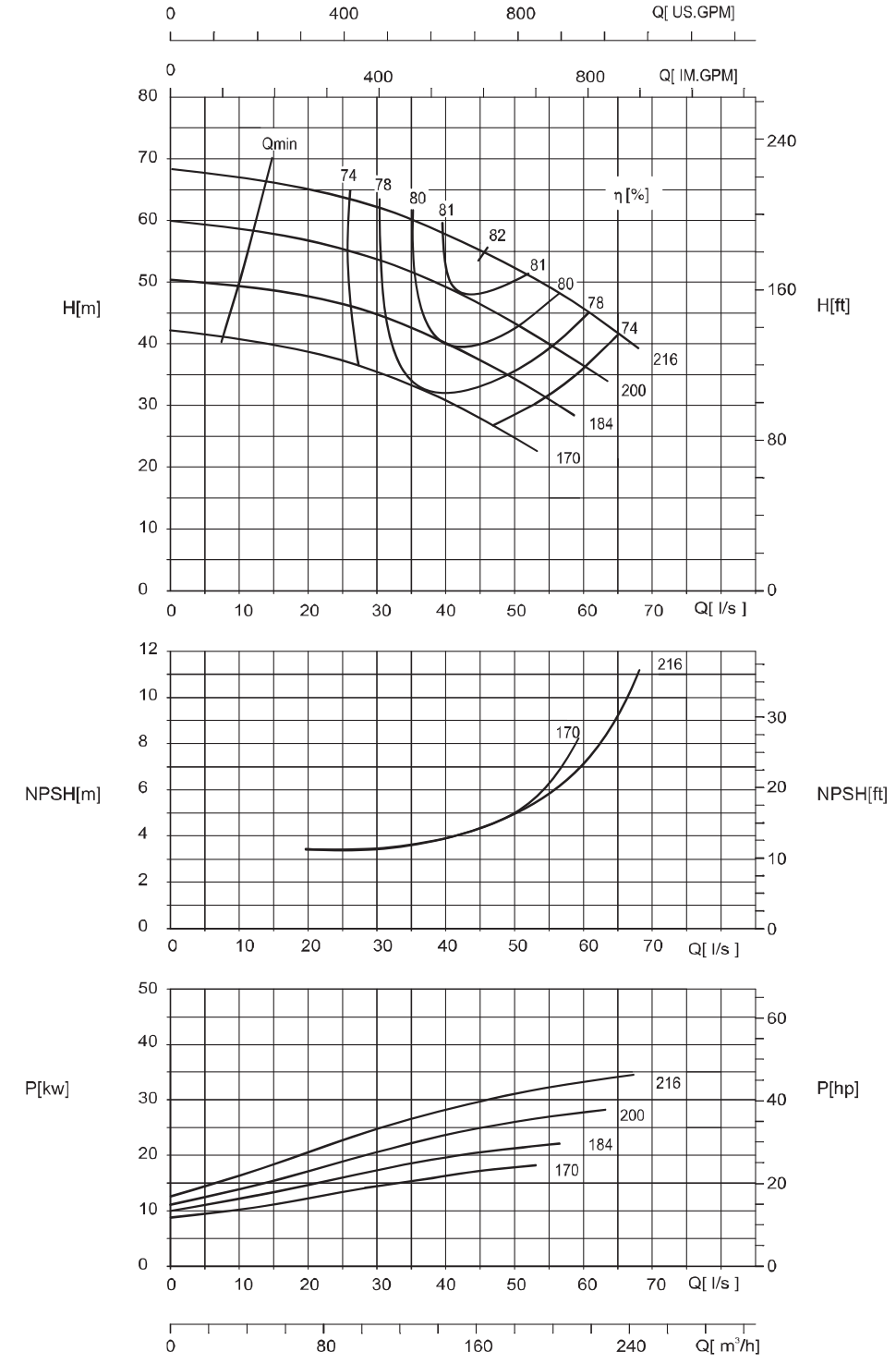



n=980/740/590r/min
50Hz
Q(IM GPM)
Q(US GPM)
H[m]
H[ft]
Q[m³/h]
Q[l/s]


n=490/370r/min
50Hz
Q(IM GPM)
Q(US GPM)
H[m]
H[ft]
1200~1000~1750
490r/min
1200~1000~1400
490r/min
1200~1000~1100
490r/min
1400~1200~1650
370r/min
1400~1200~1300
370r/min
1400~1200~1250
370r/min
Q[m³/h]
Q[l/s]

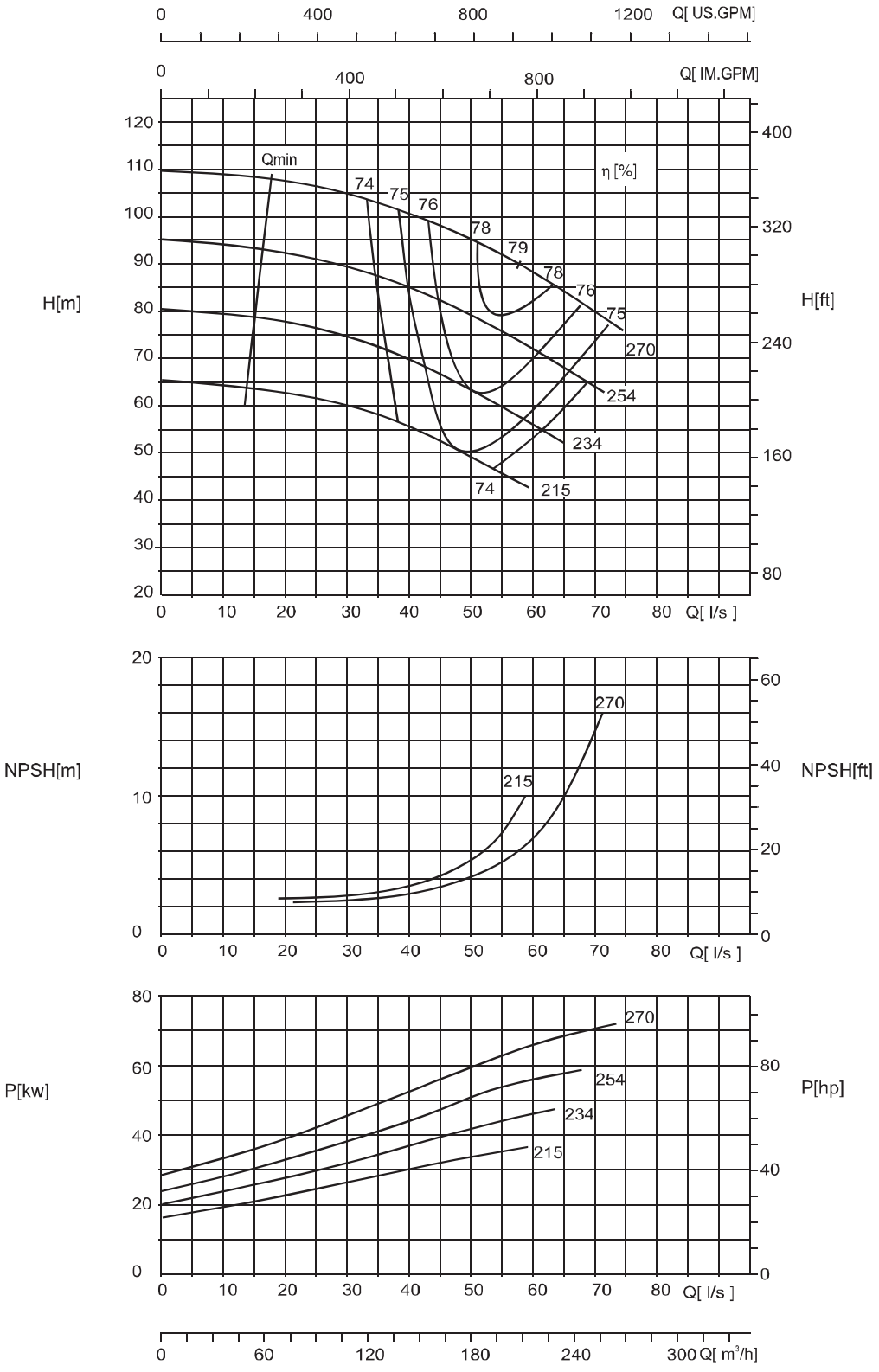
Performance Curve

NSC 125–80–210 **2980 r/min**



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

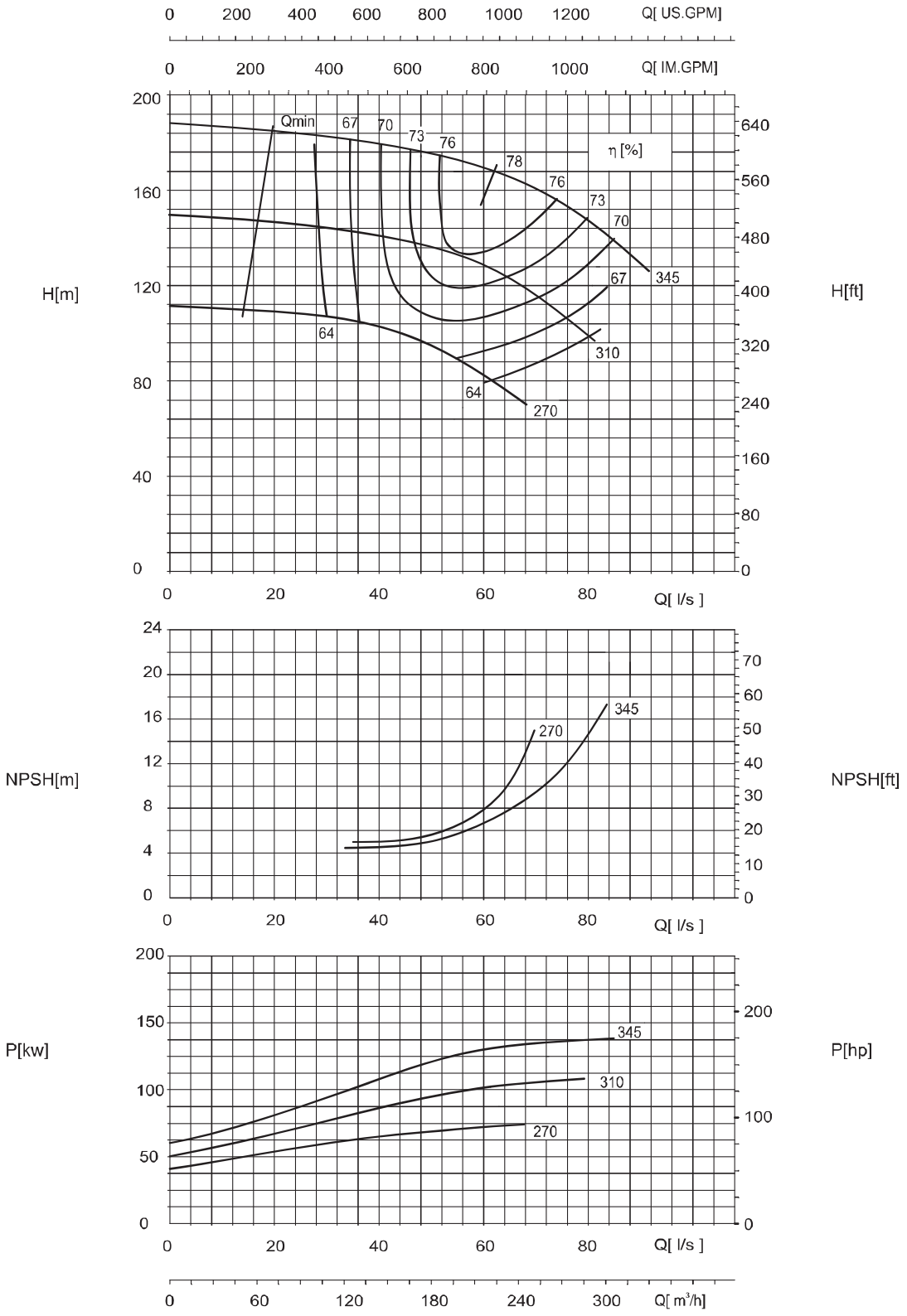
NSC 125–80–270 **2980 r/min**



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

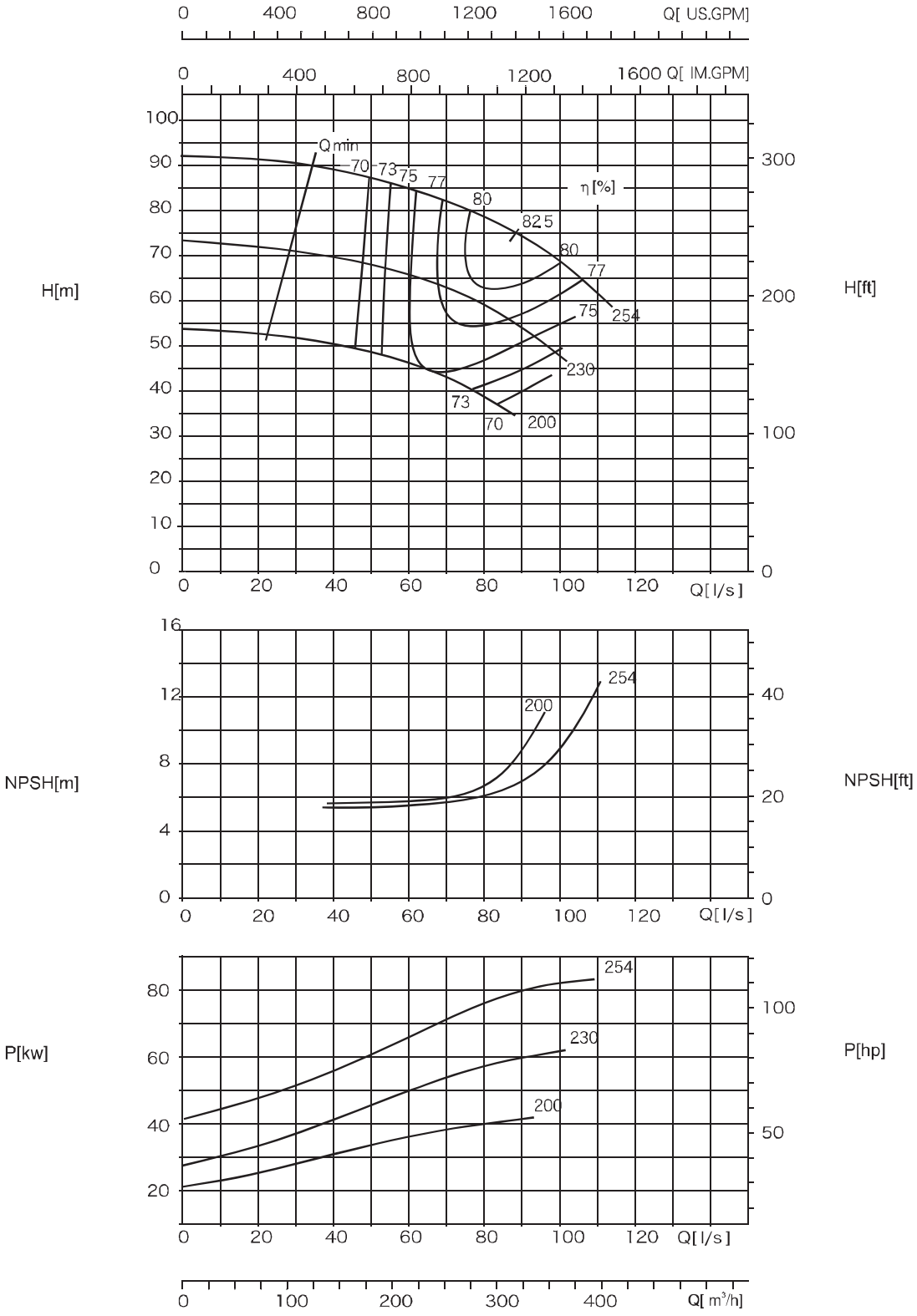
NSC 125–80–350

2980 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

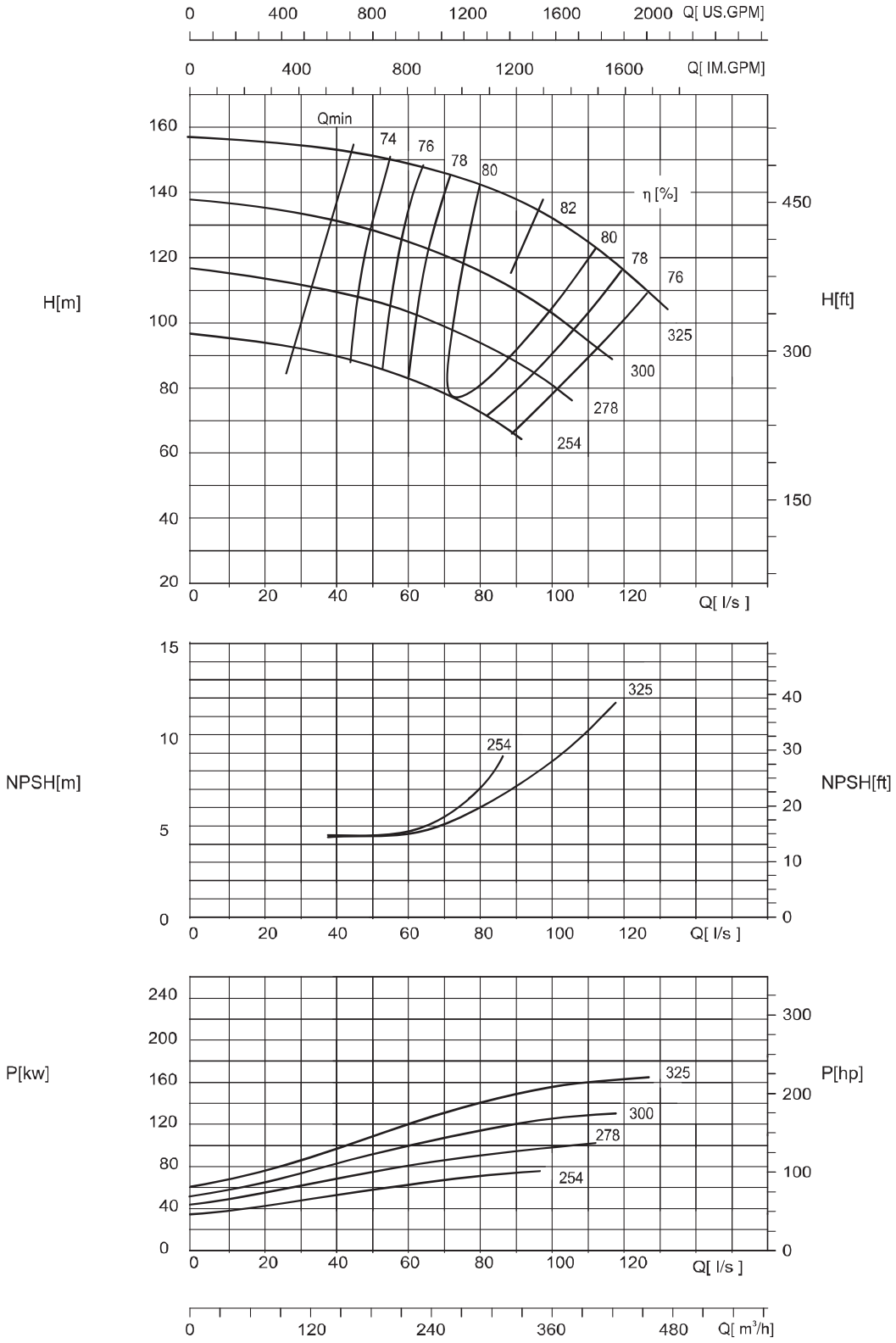
NSC 150–100–250 **2980 r/min**



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 150–100–320

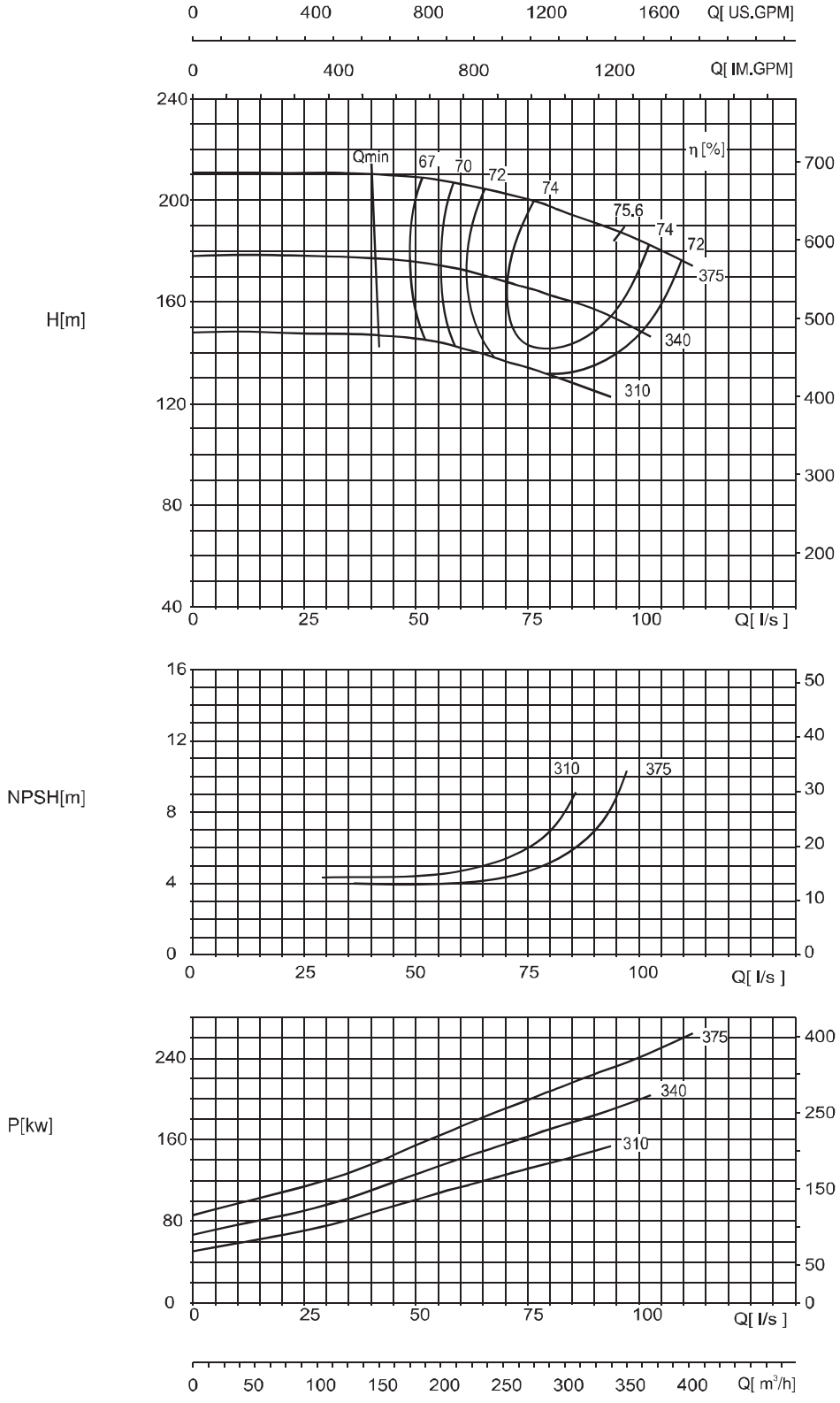
2980 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 150–100–400G

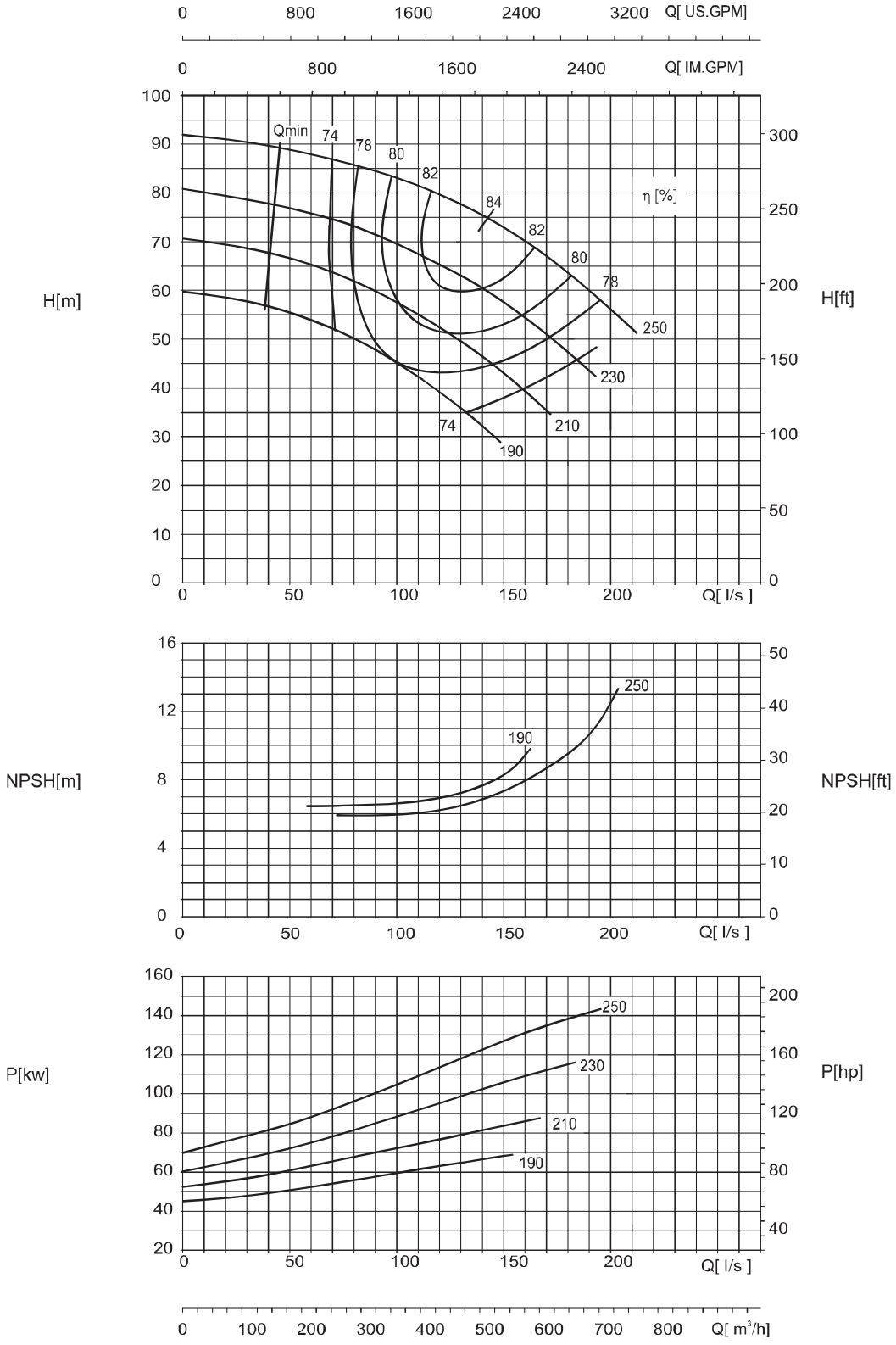
2980 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 200–125–240

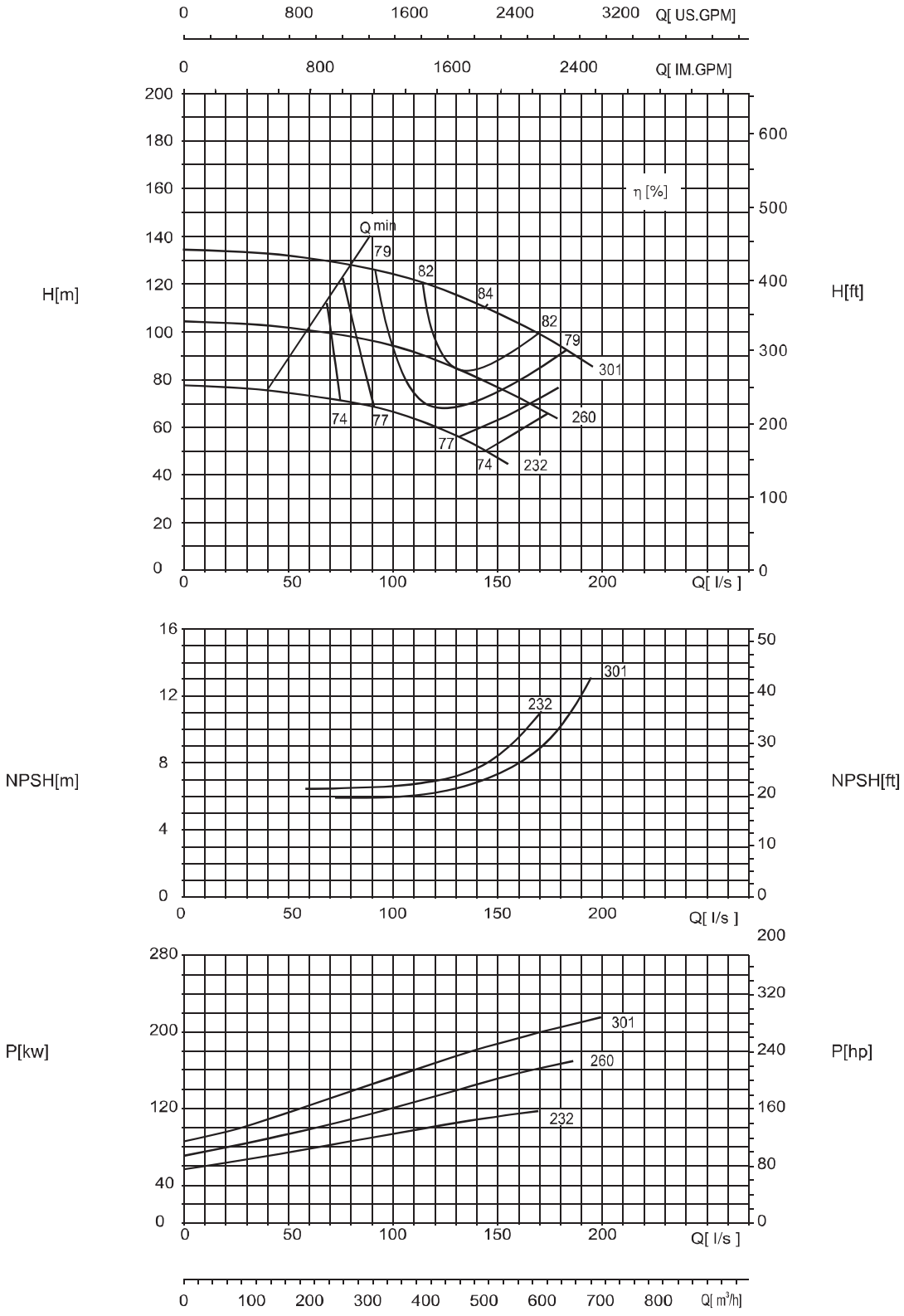
2980 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 200–125–300

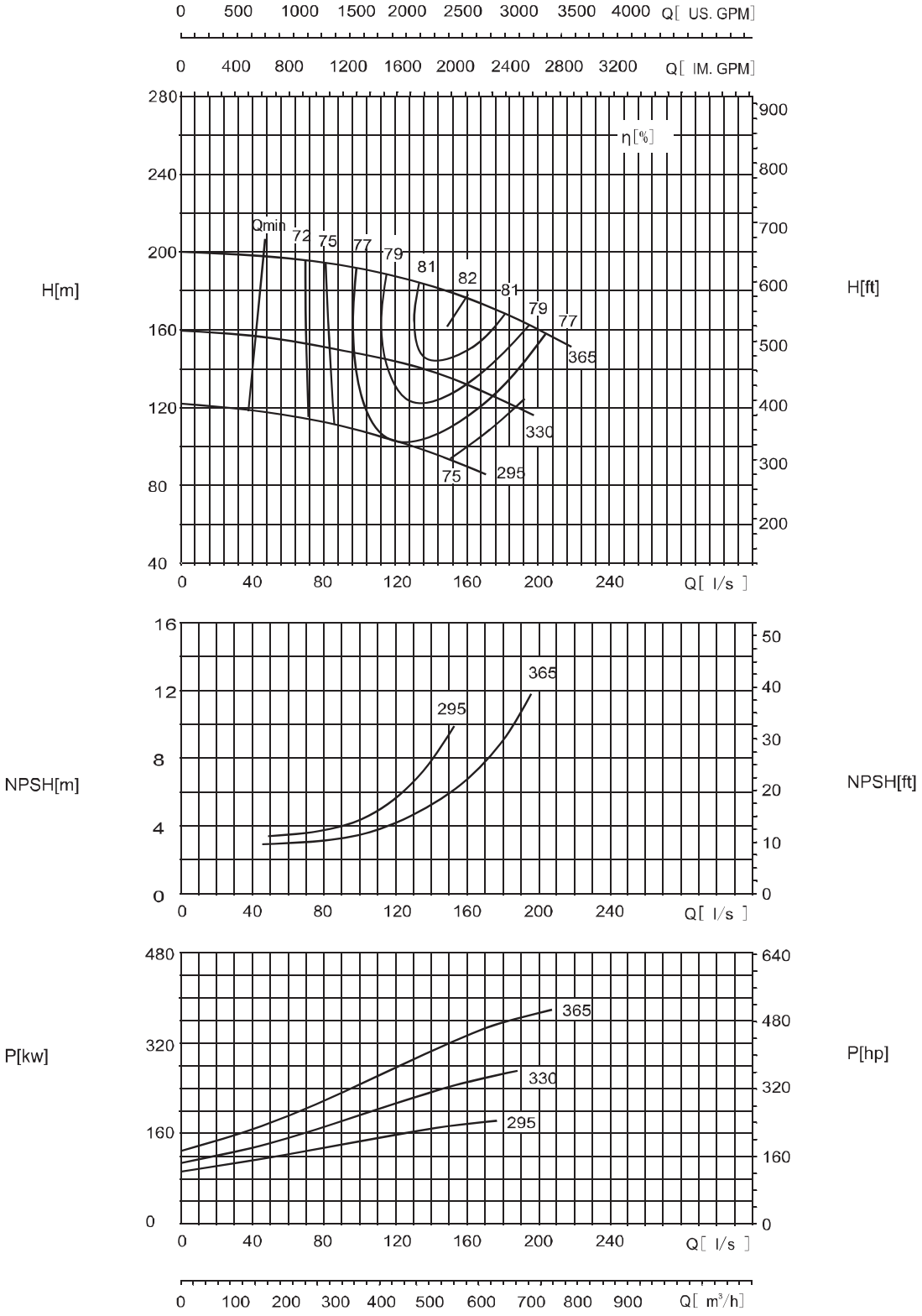
2980 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 200–125–380

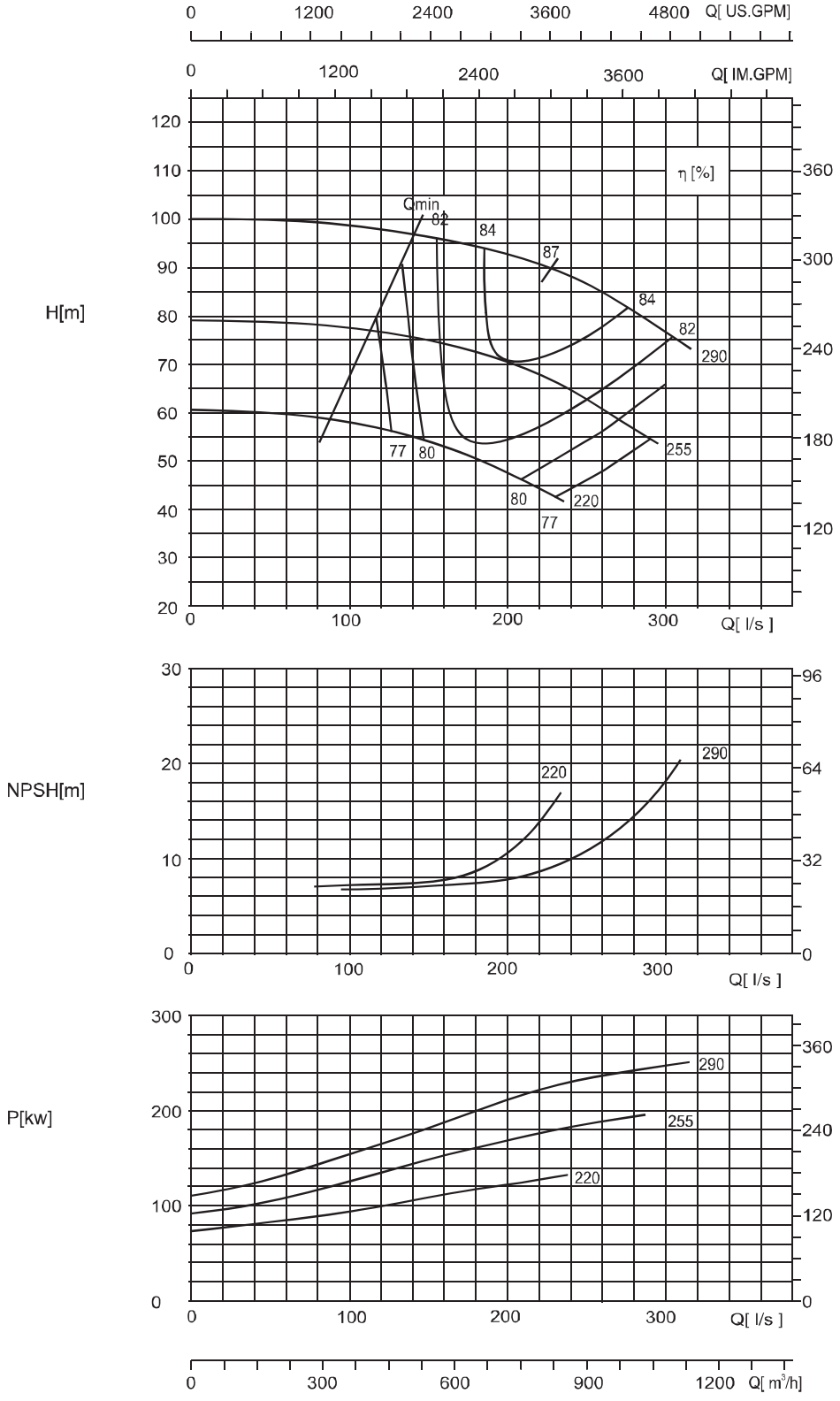
2980 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

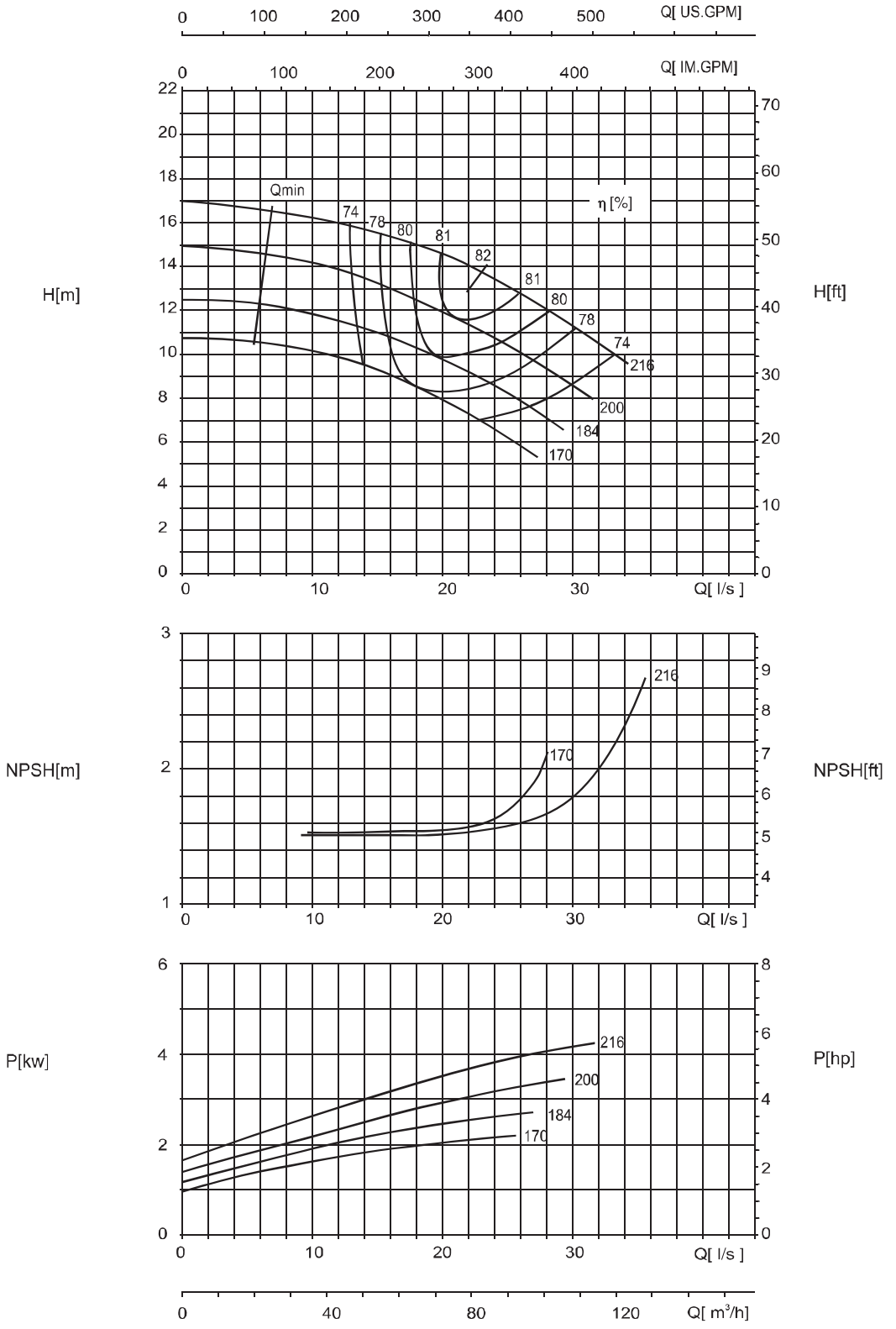
NSC 200–150–290

2980 r/min



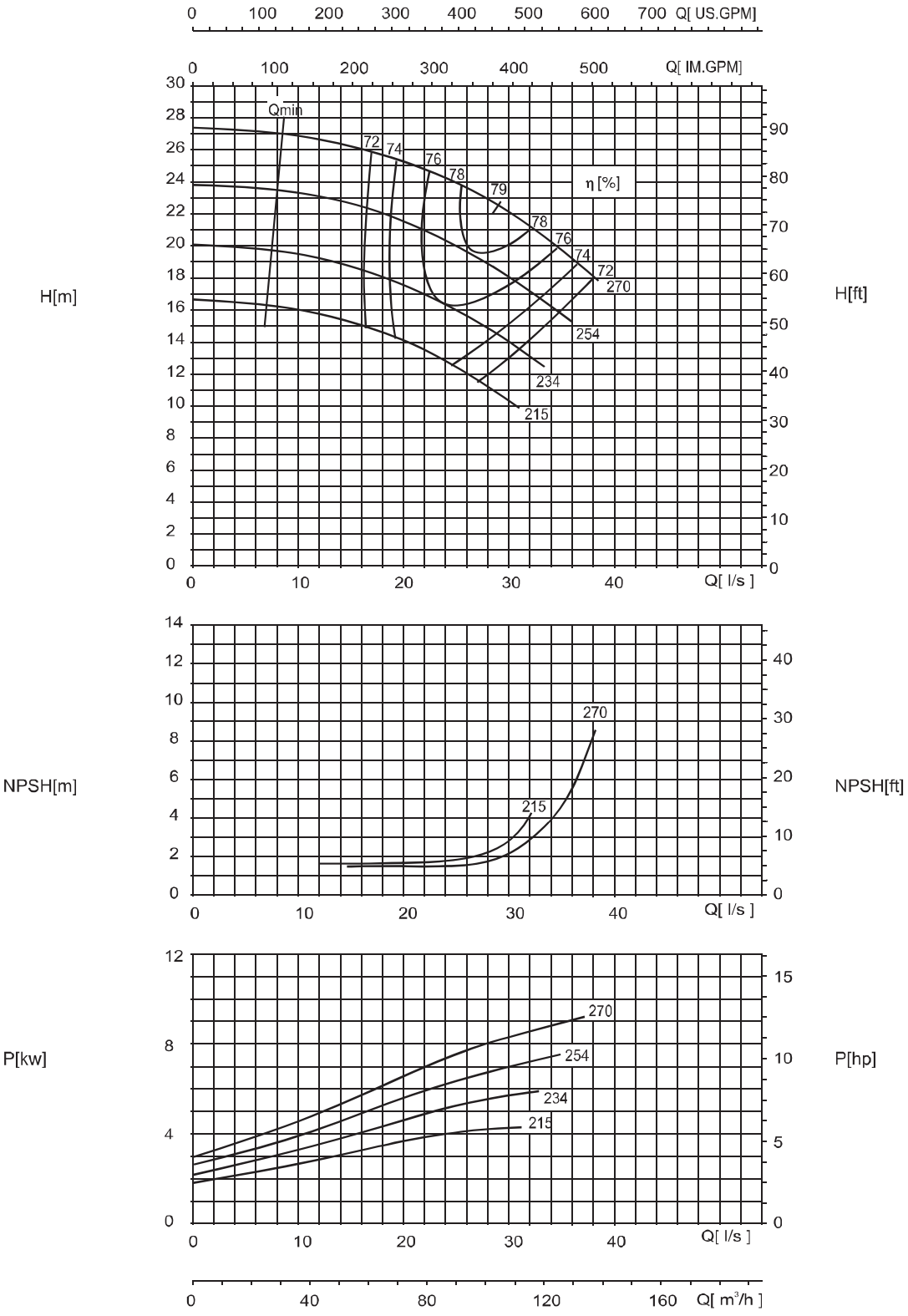
Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 125–80–210 **1470 r/min**



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

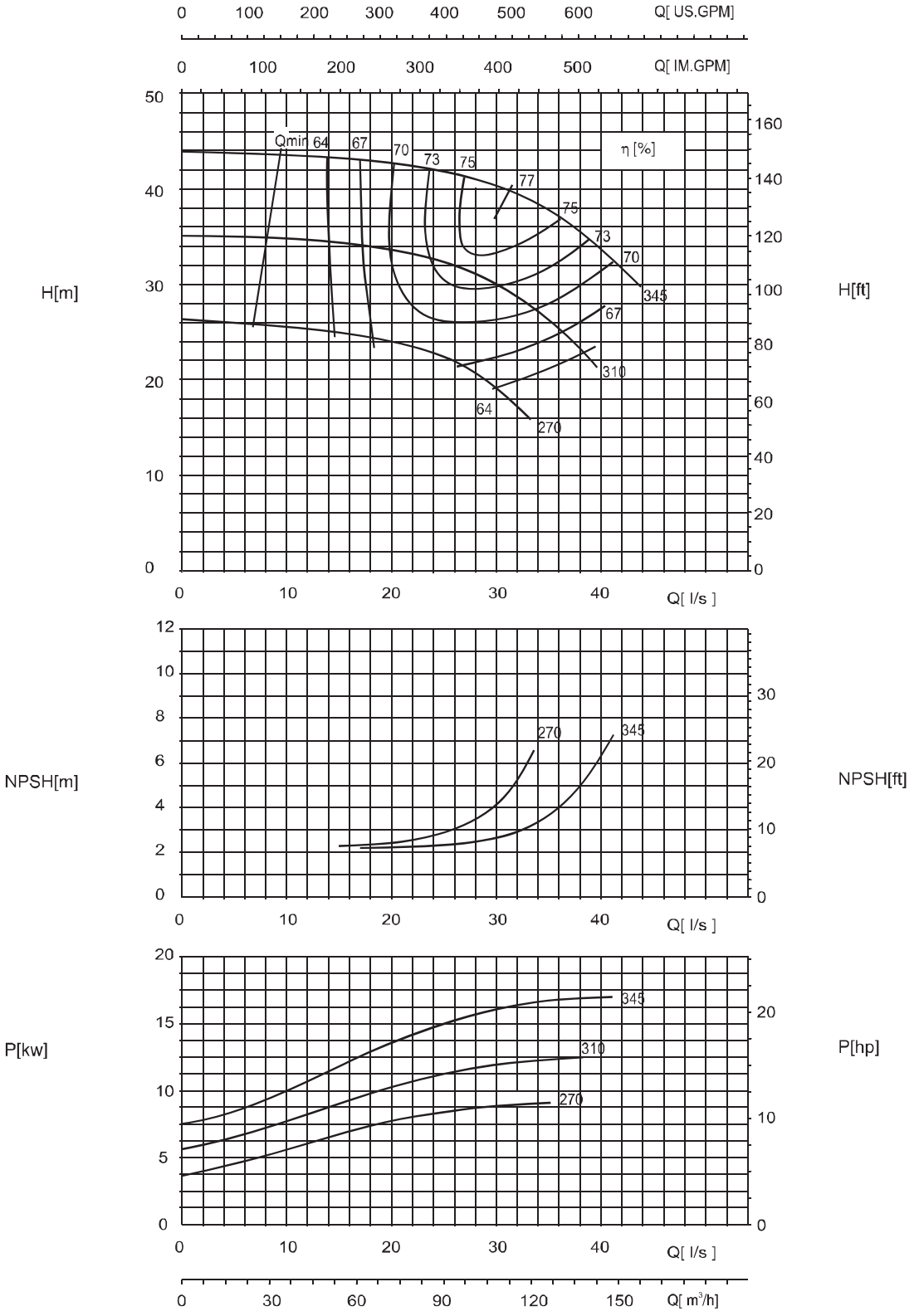
NSC 125–80–270 **1470 r/min**



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 125–80–350

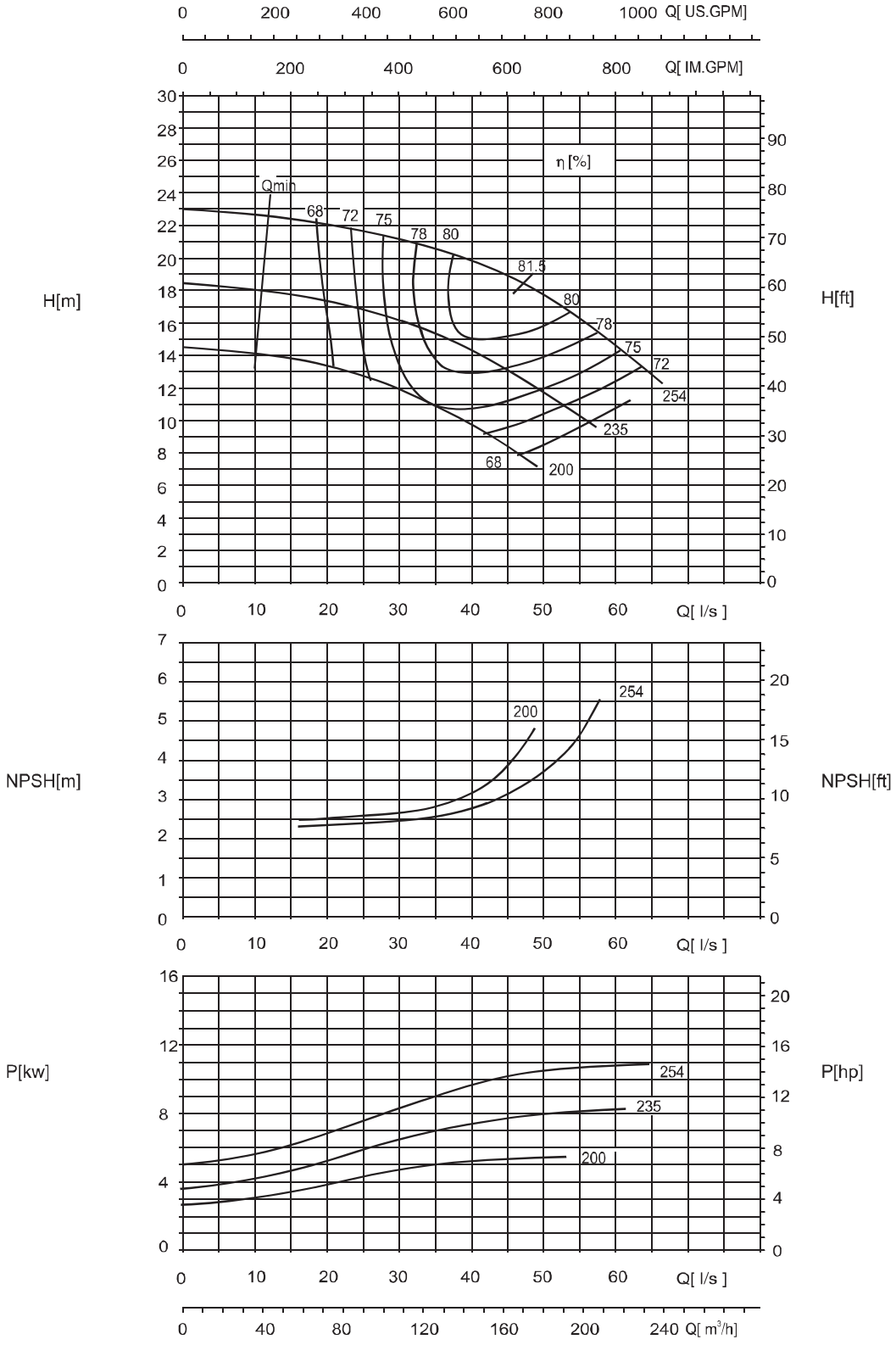
1470 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 150–100–250

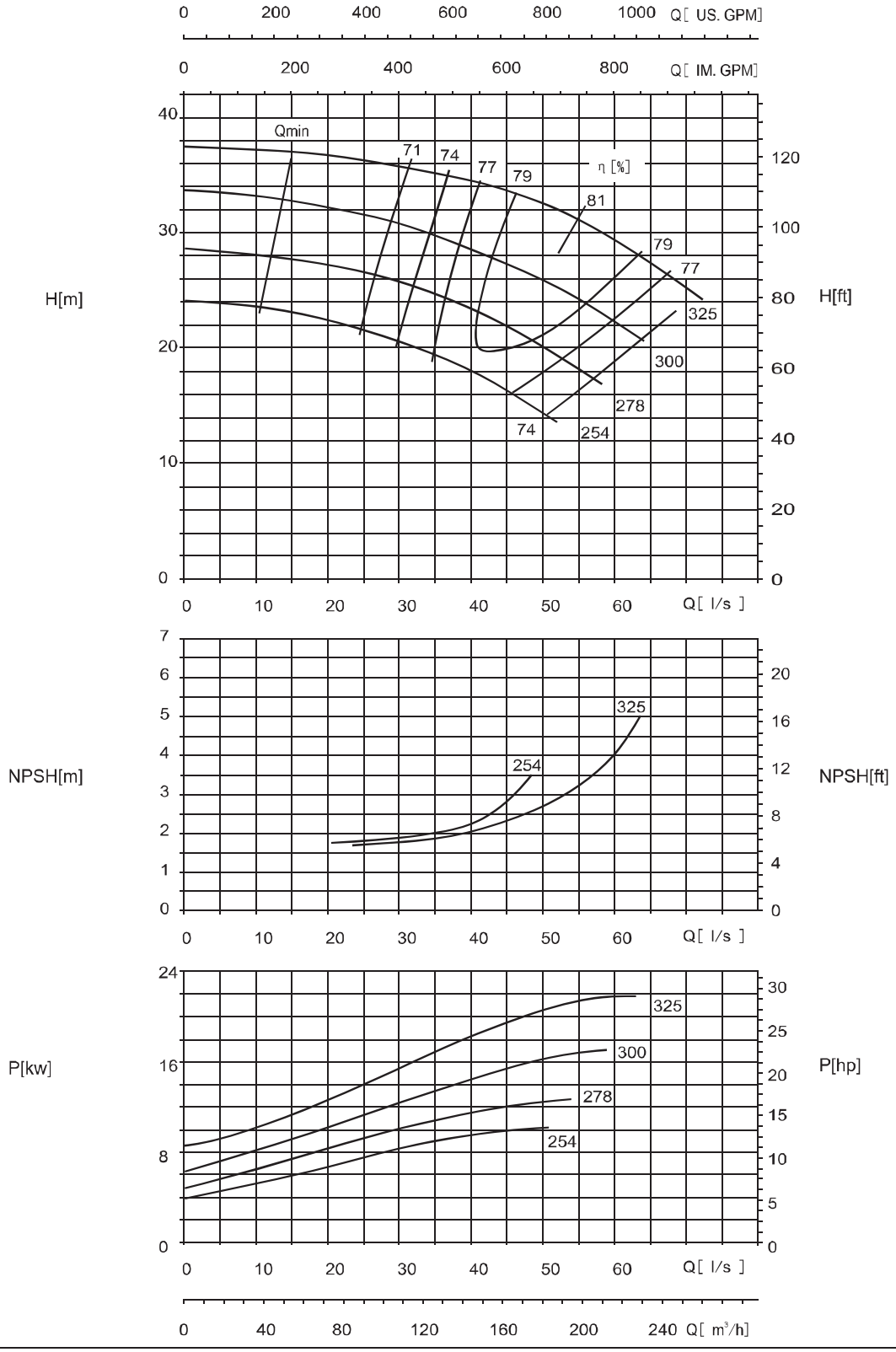
1470 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 150–100–320

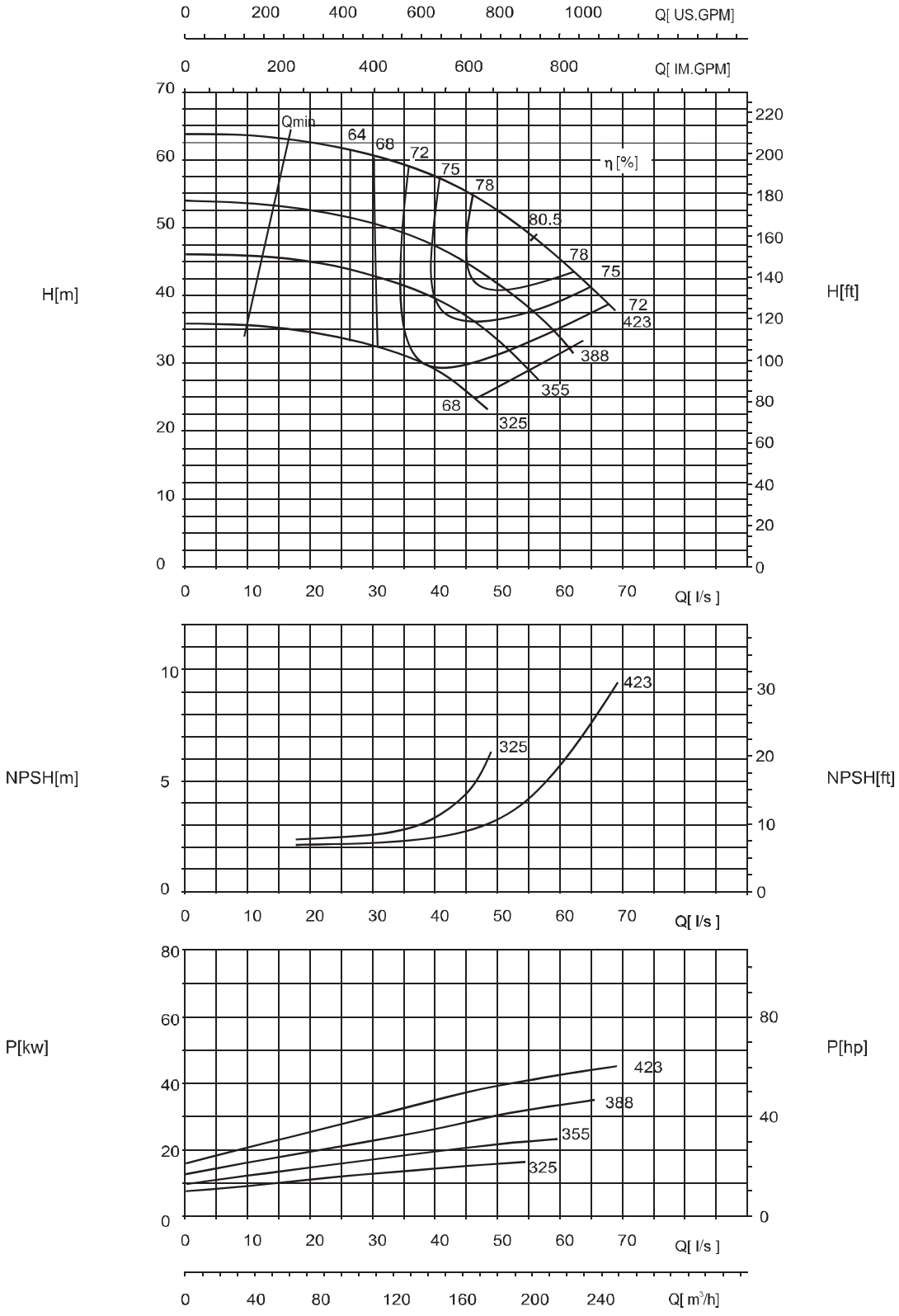
1470 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 150–100–400

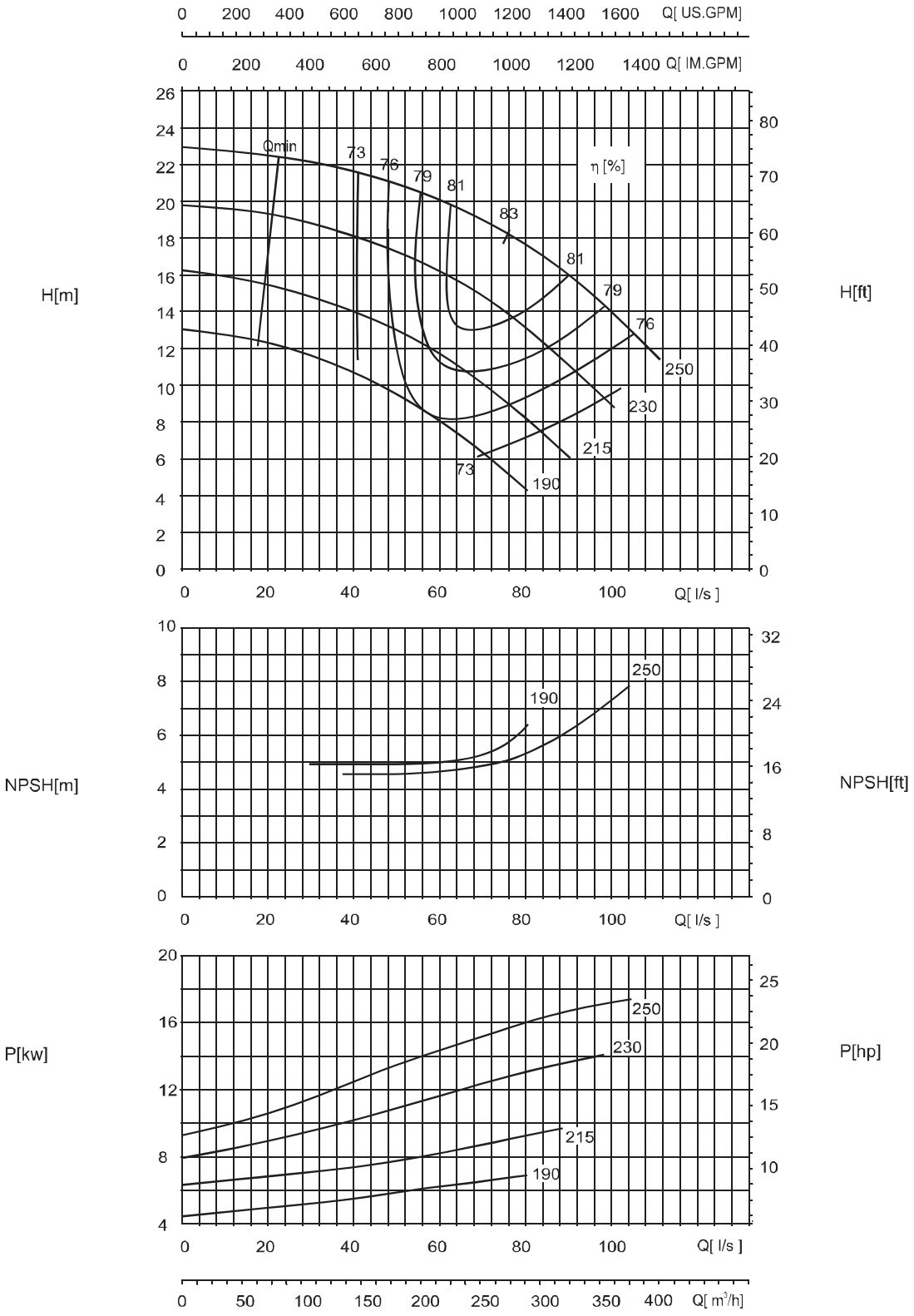
1480 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 200–125–240

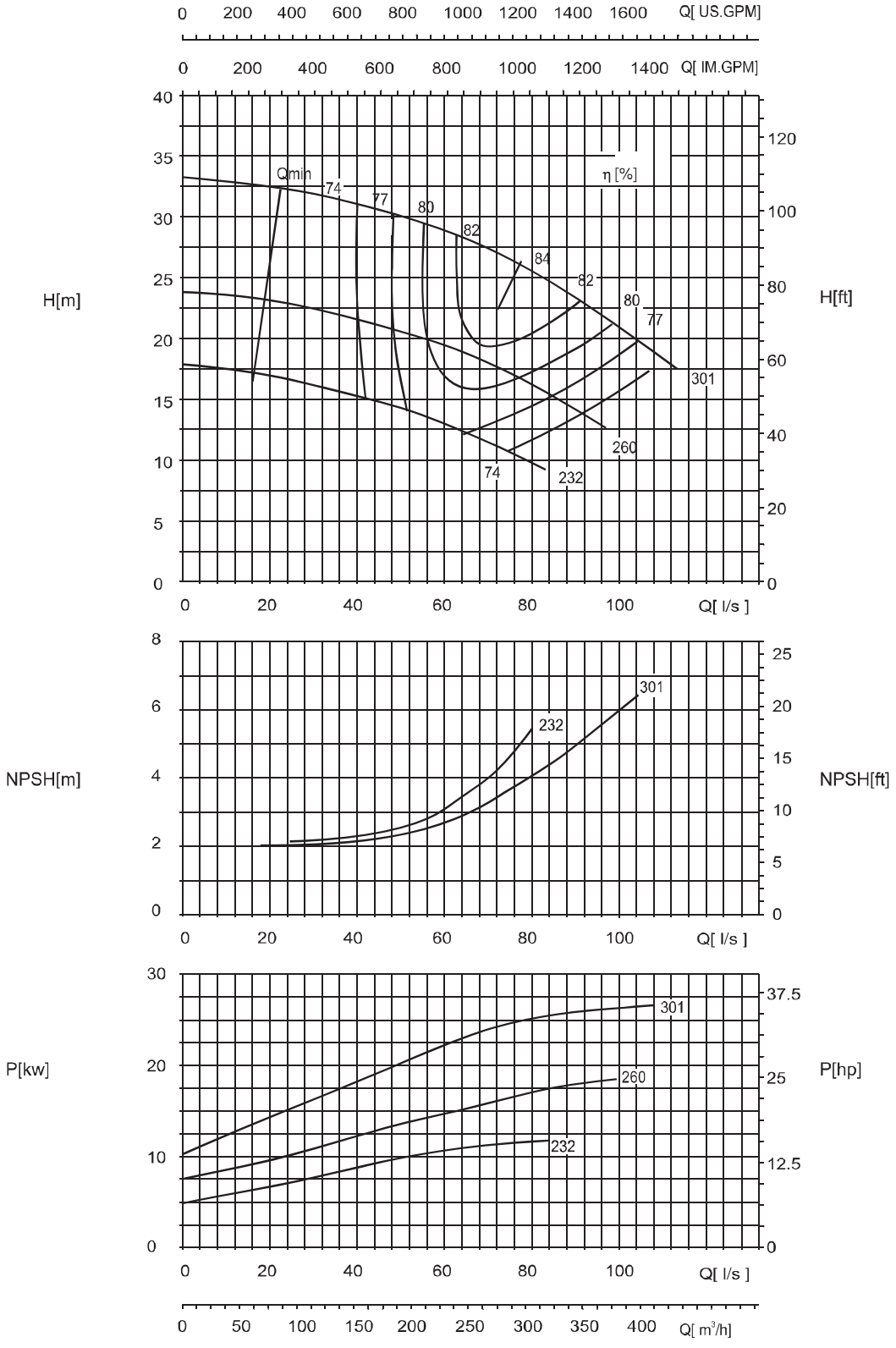
1470 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 200–125–300

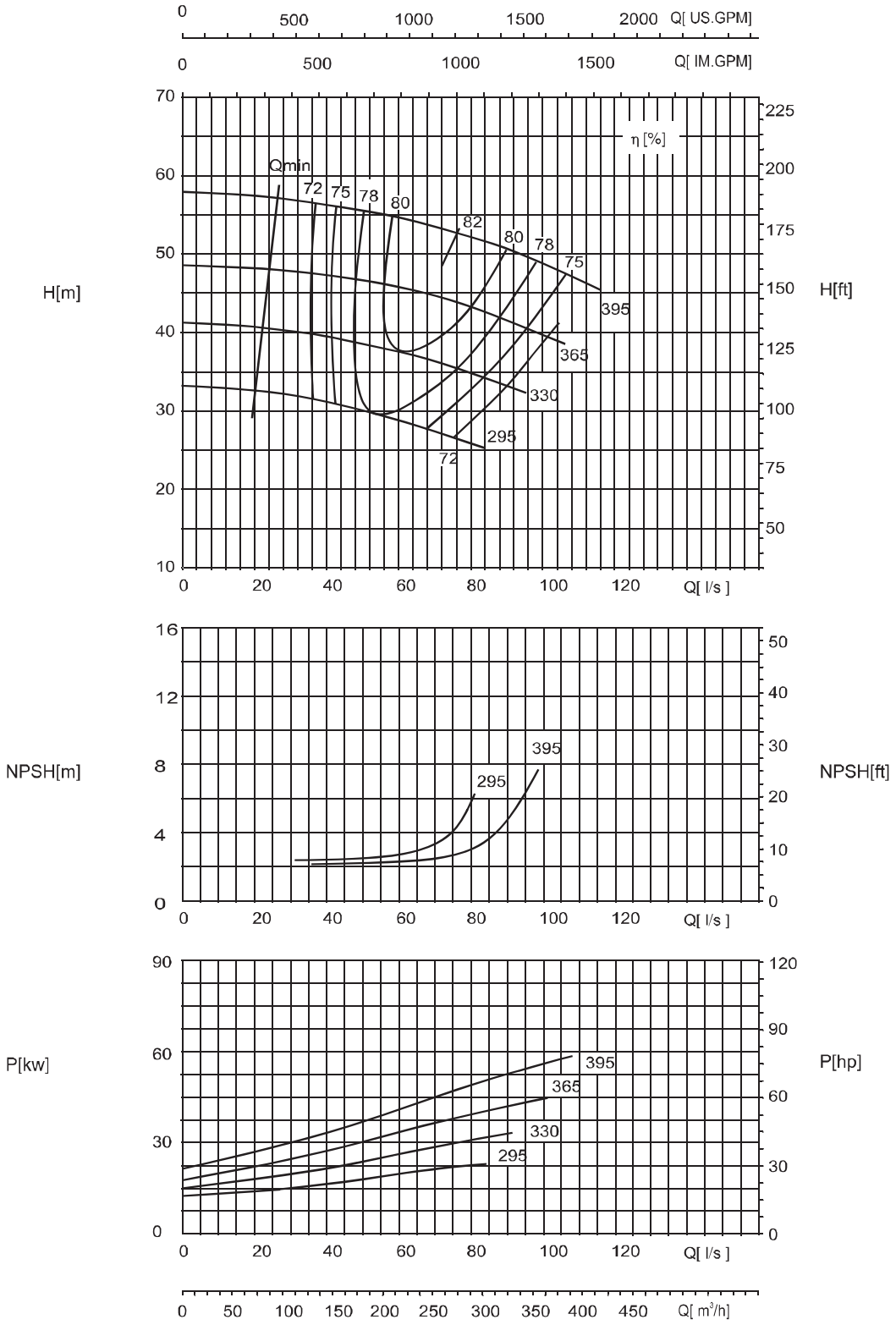
1470 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 200–125–380

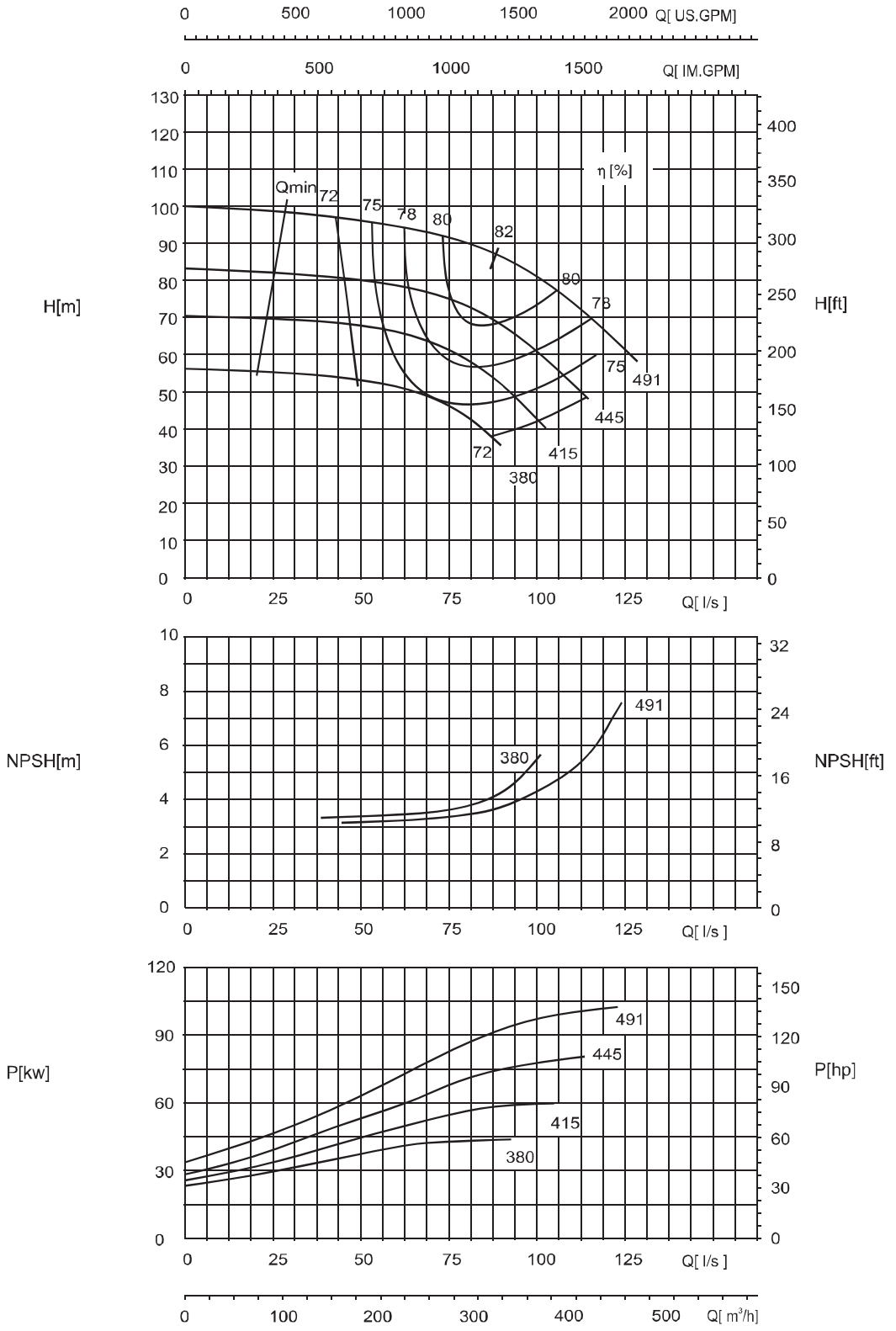
1480 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 200–125–480

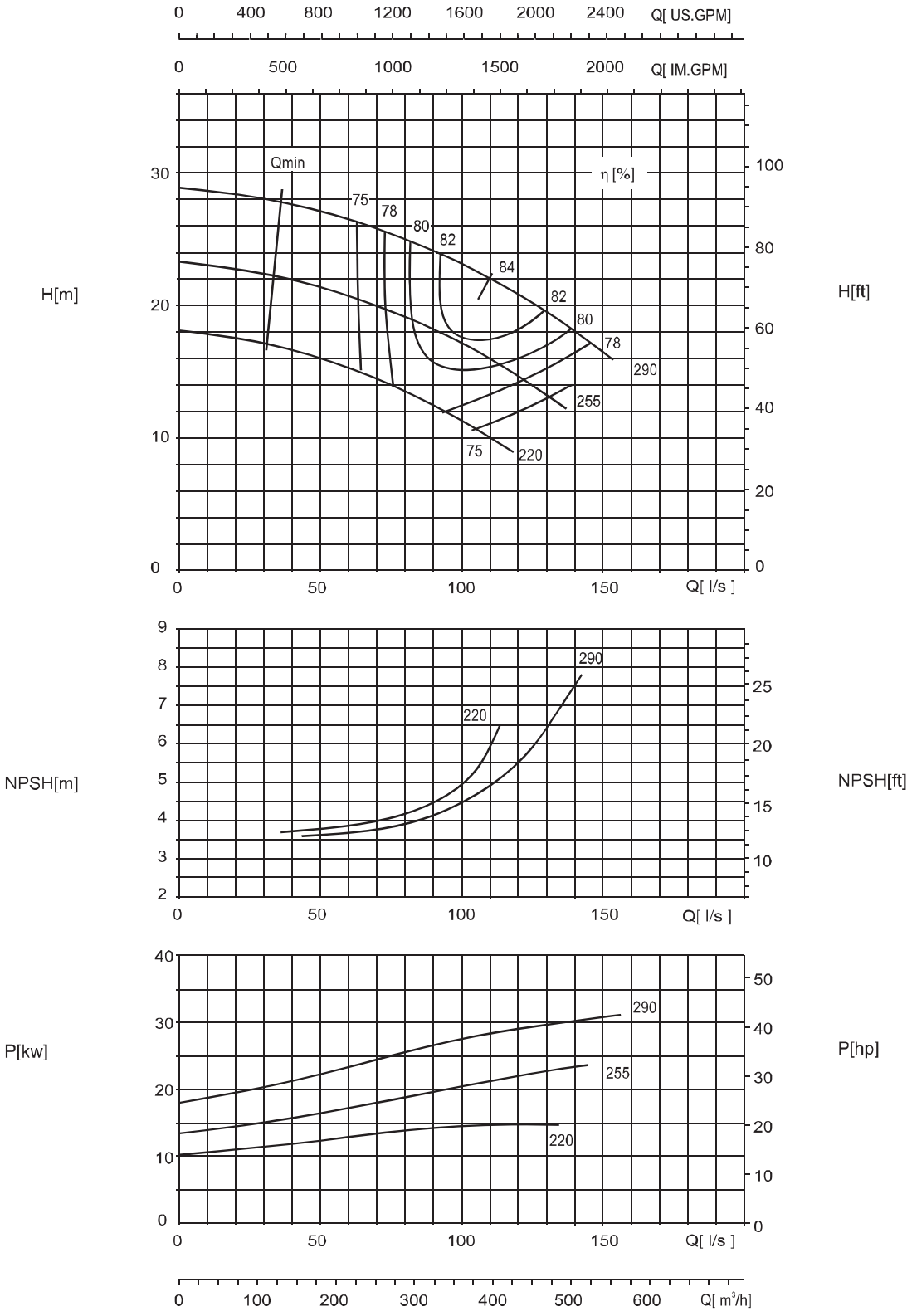
1480 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 200–150–290

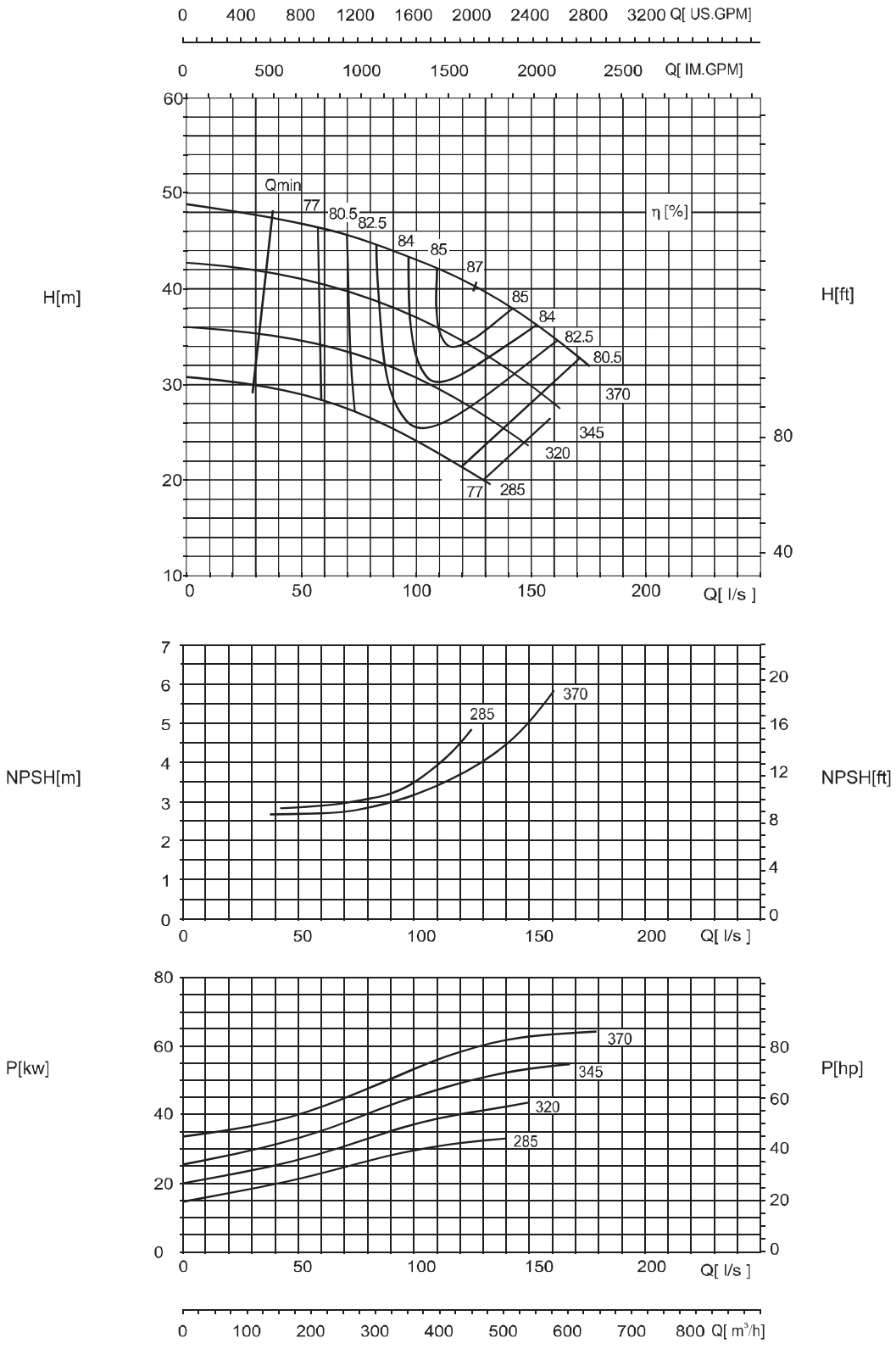
1470 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 200–150–360

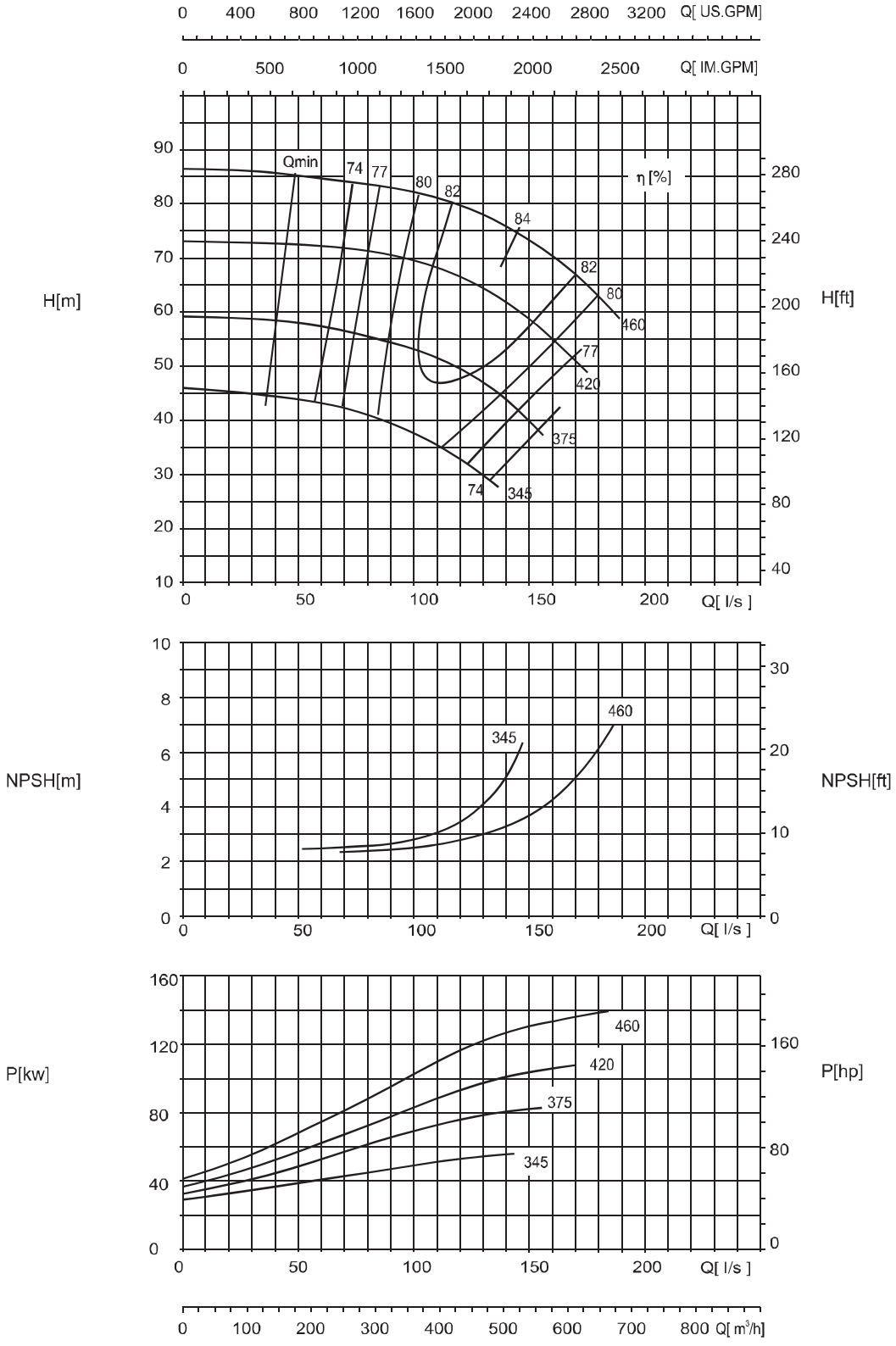
1480 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 200–150–460

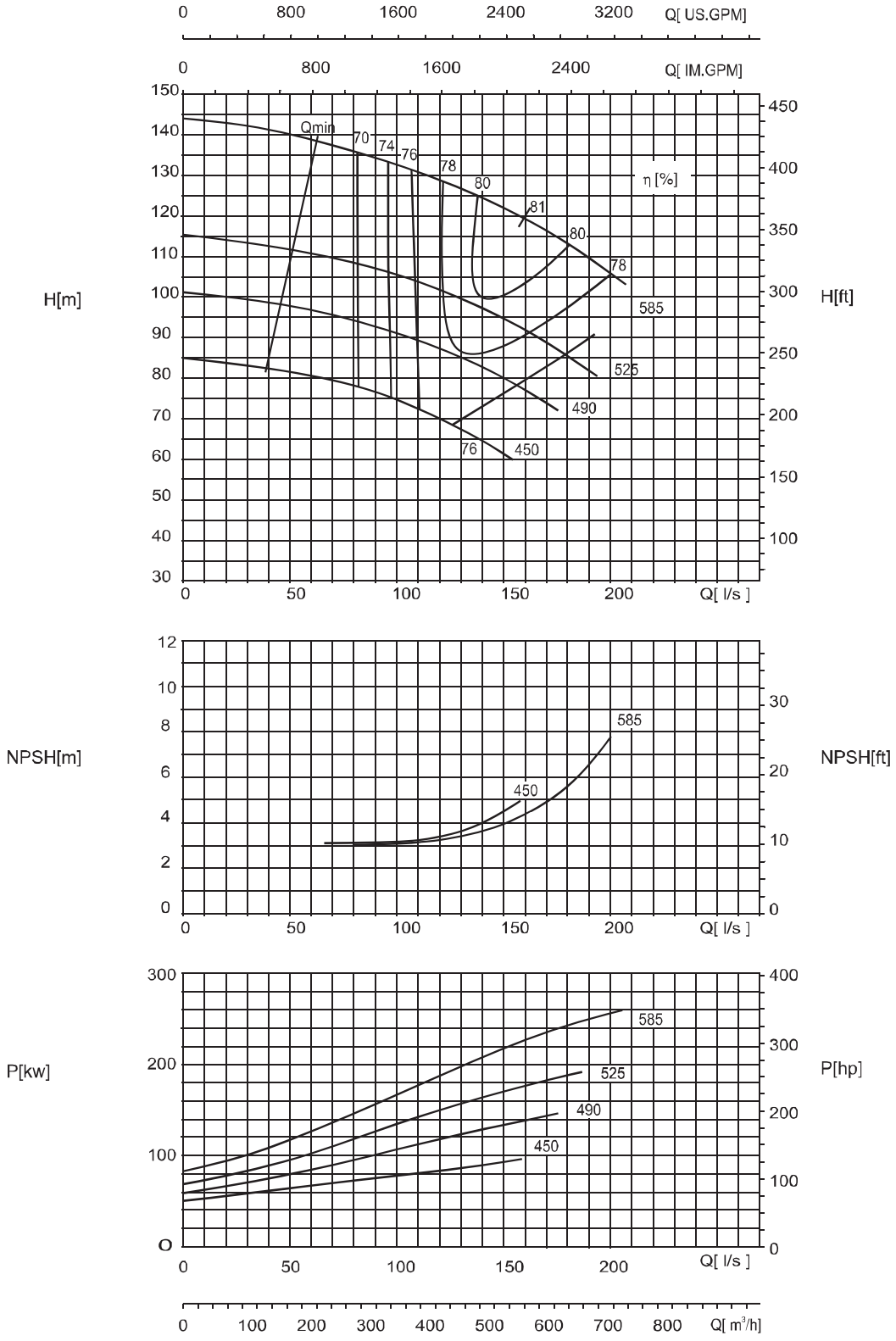
1480 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 200–150–570

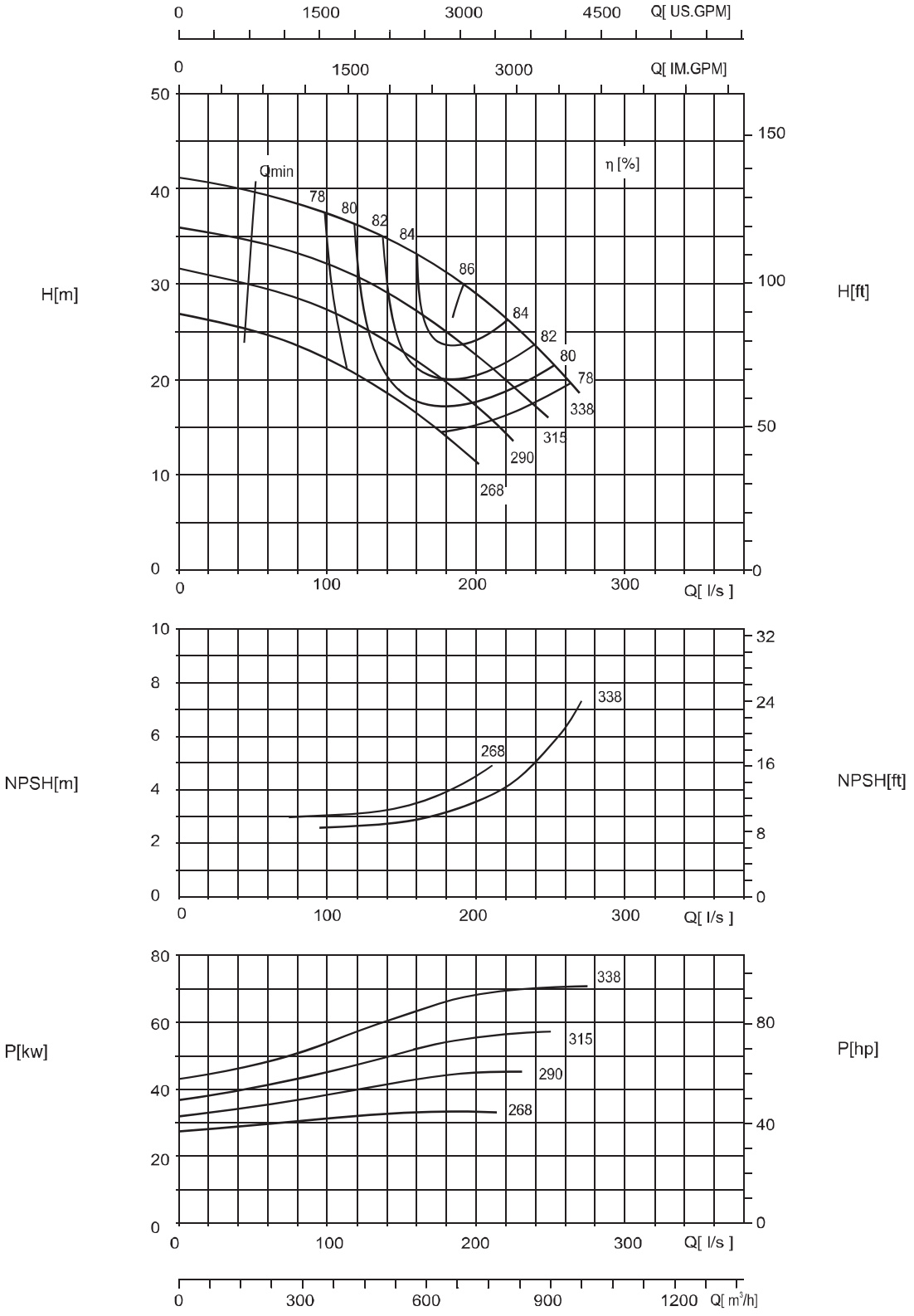
1480 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC250–200–340

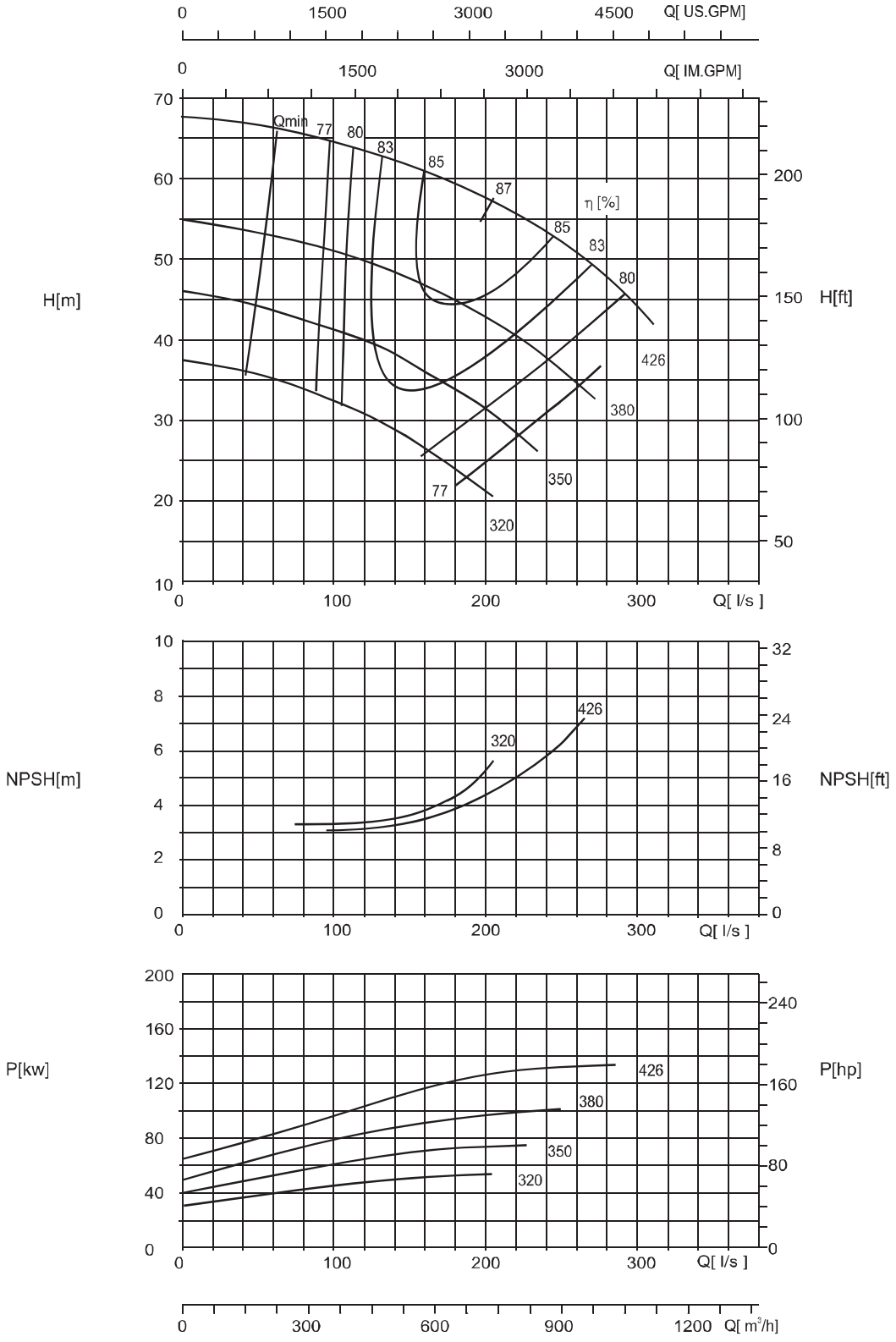
1480 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 250–200–430

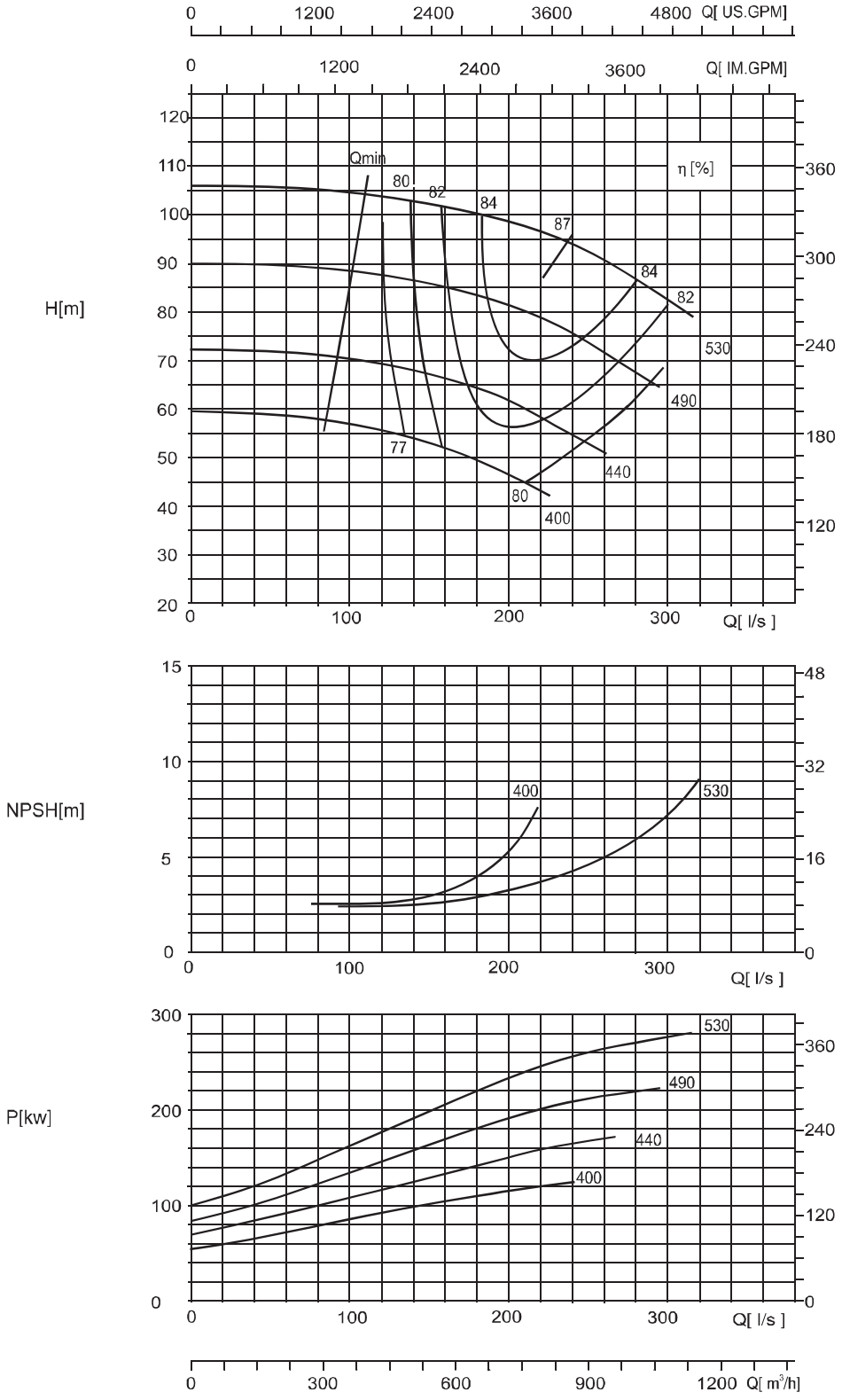
1480 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 250–200–530

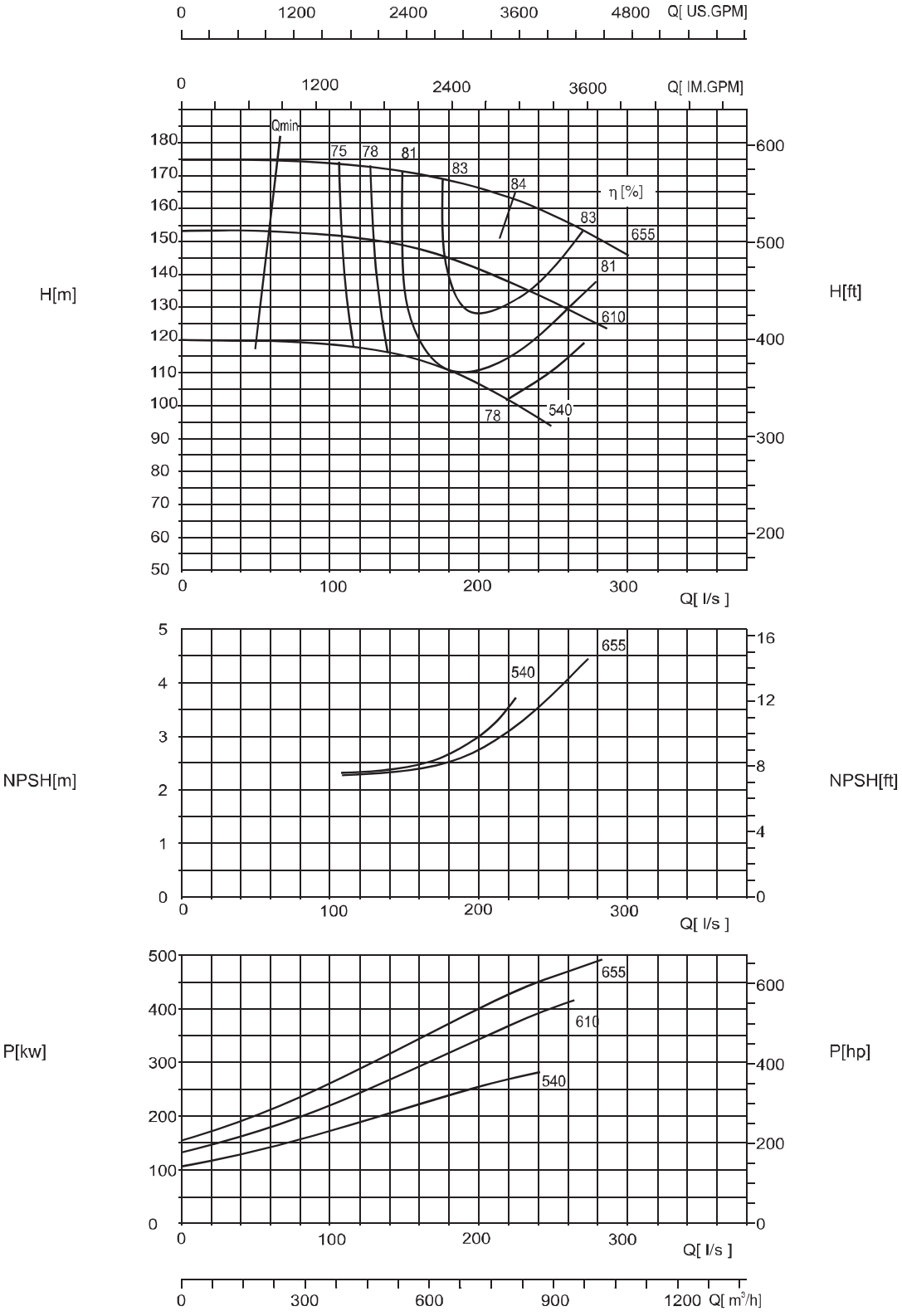
1480 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 250–200–660

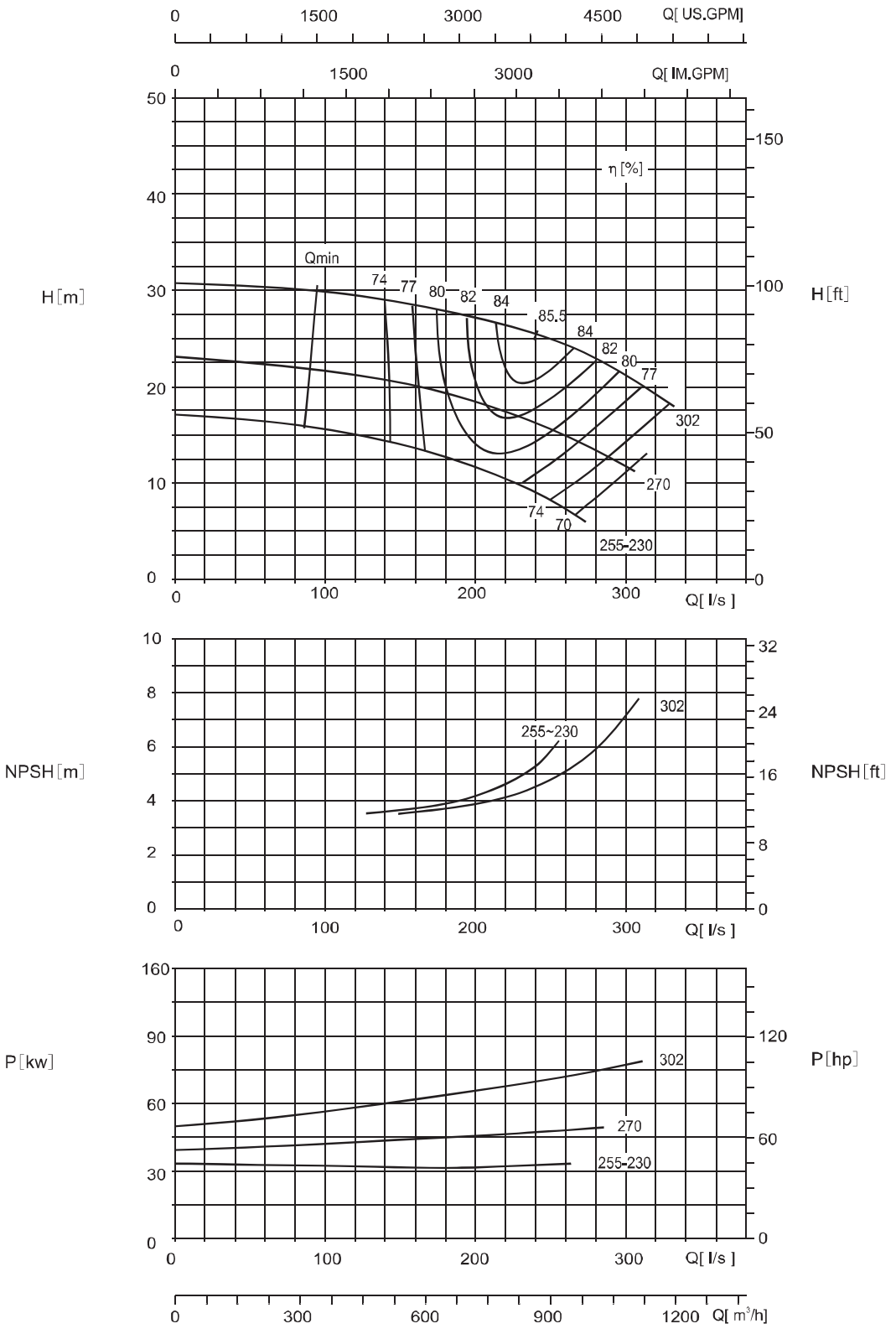
1480 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 300–250–270

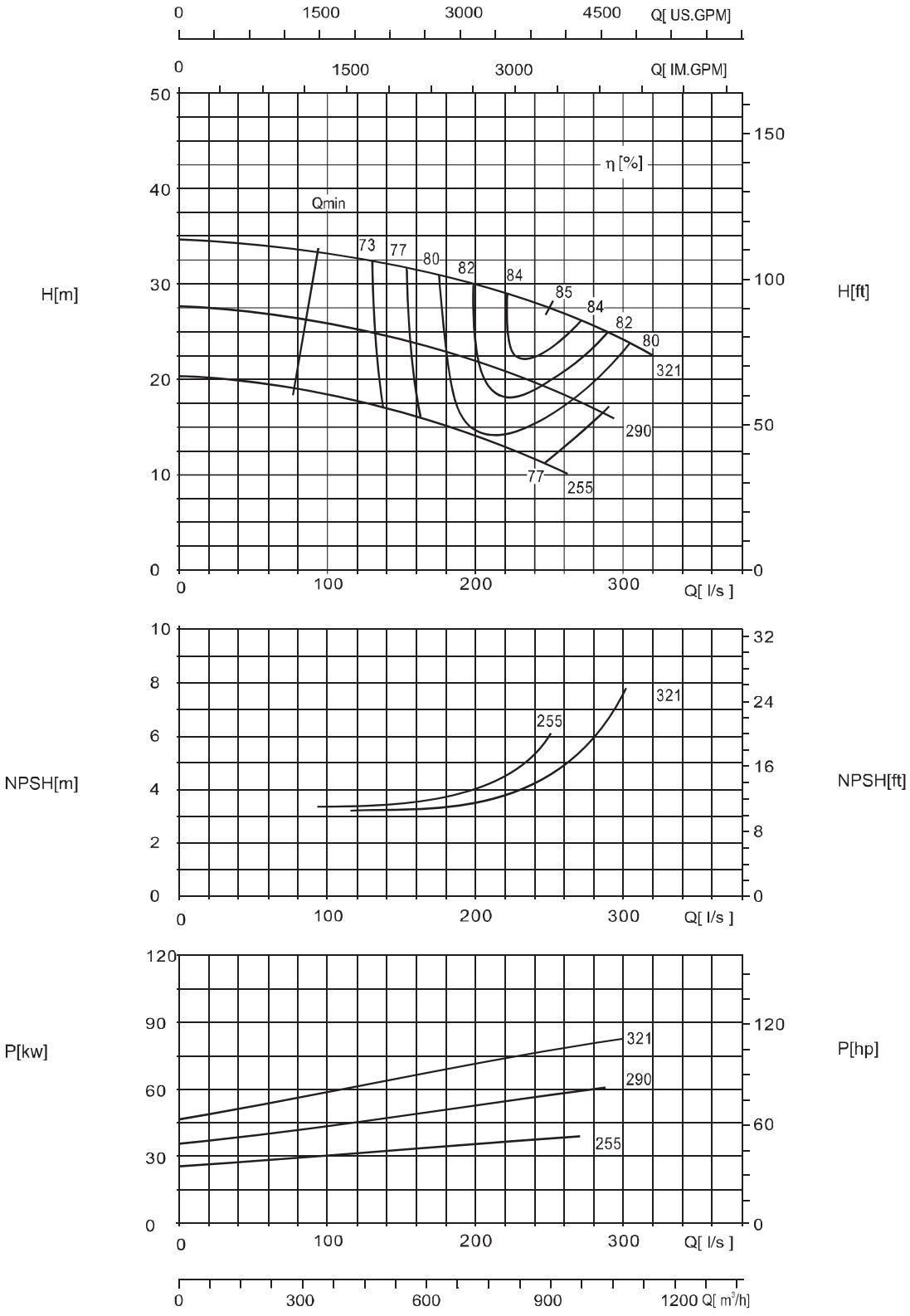
1480 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 300–250–280

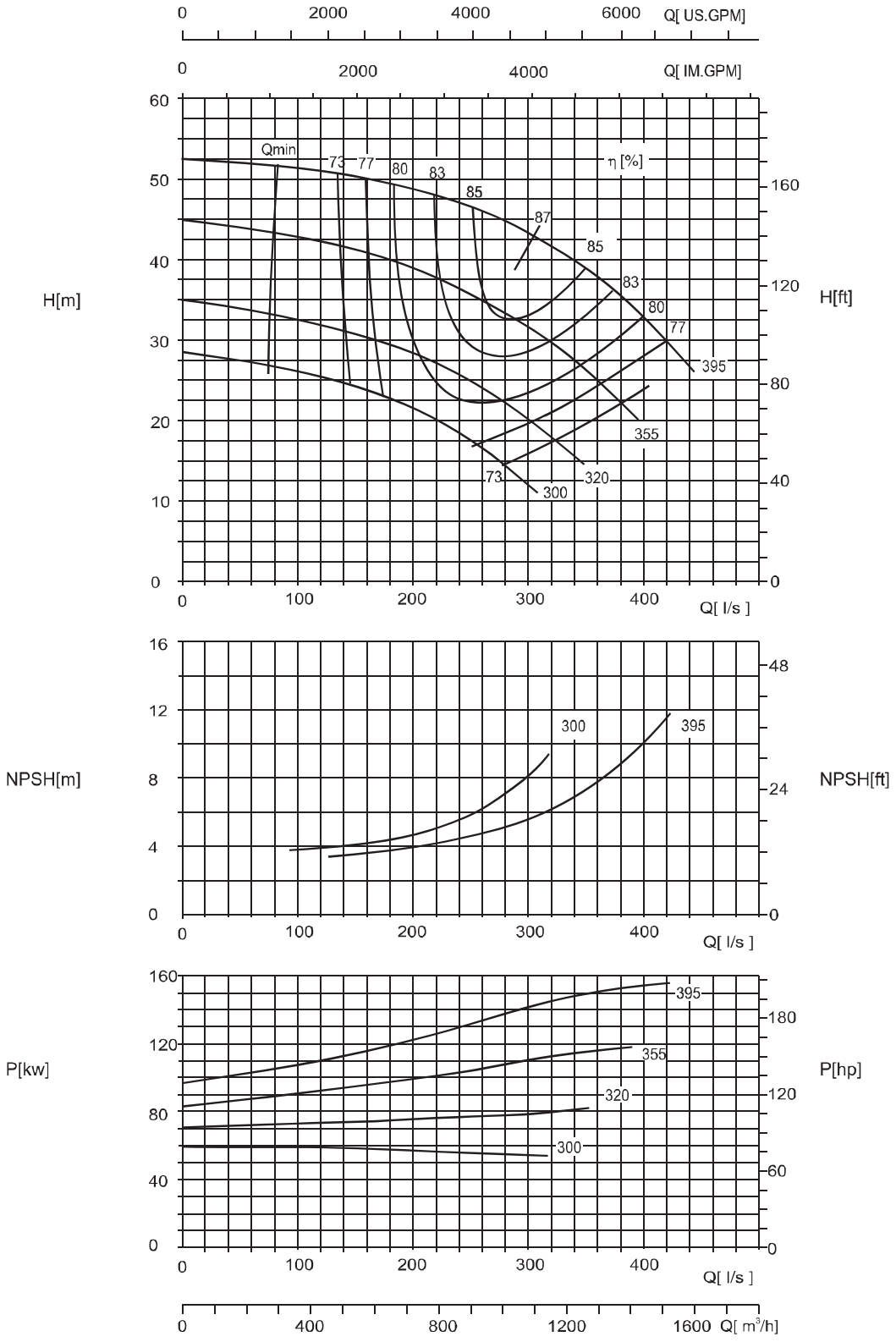
1480 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC300–250–390

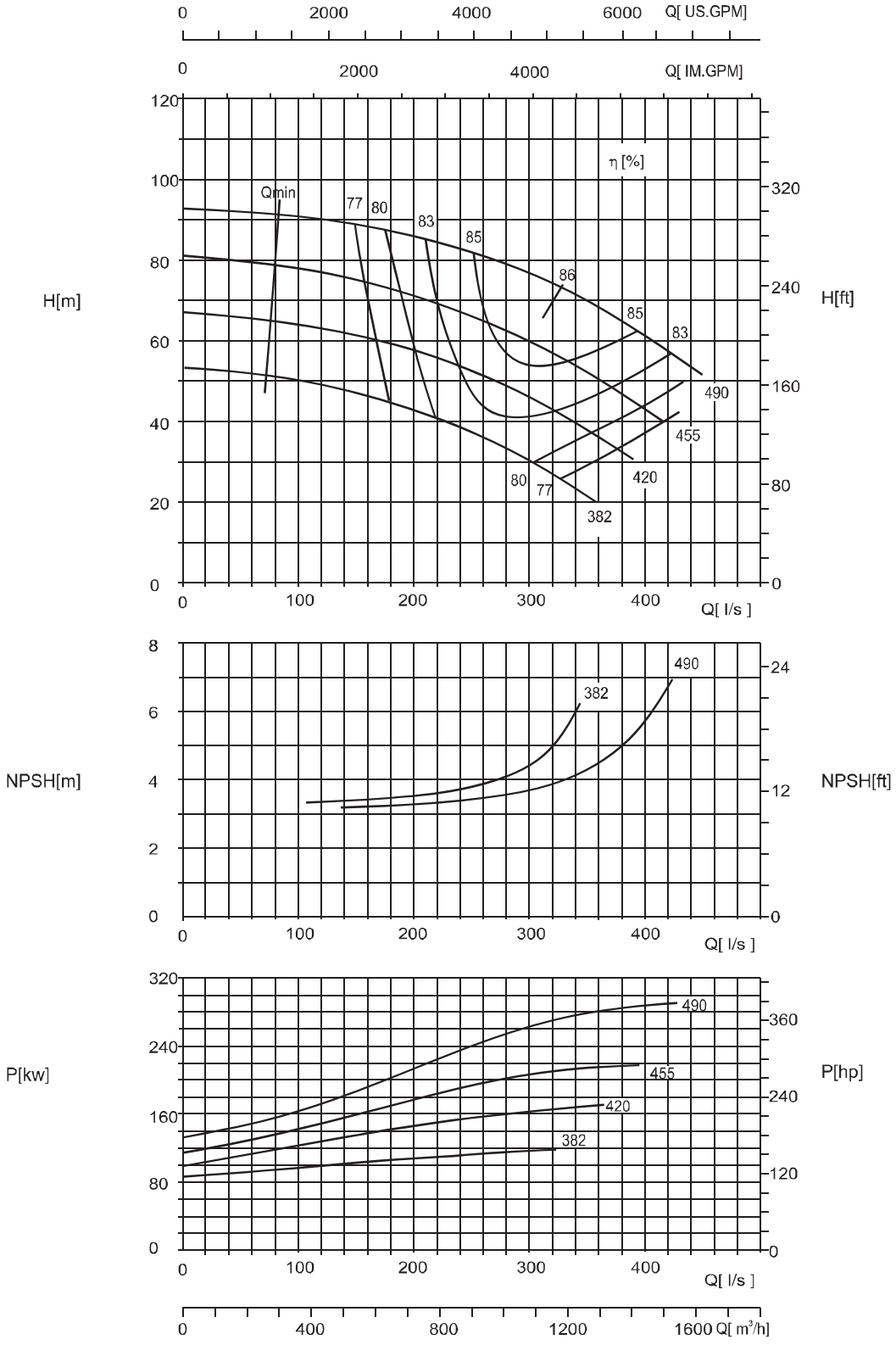
1480 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 300–250–490

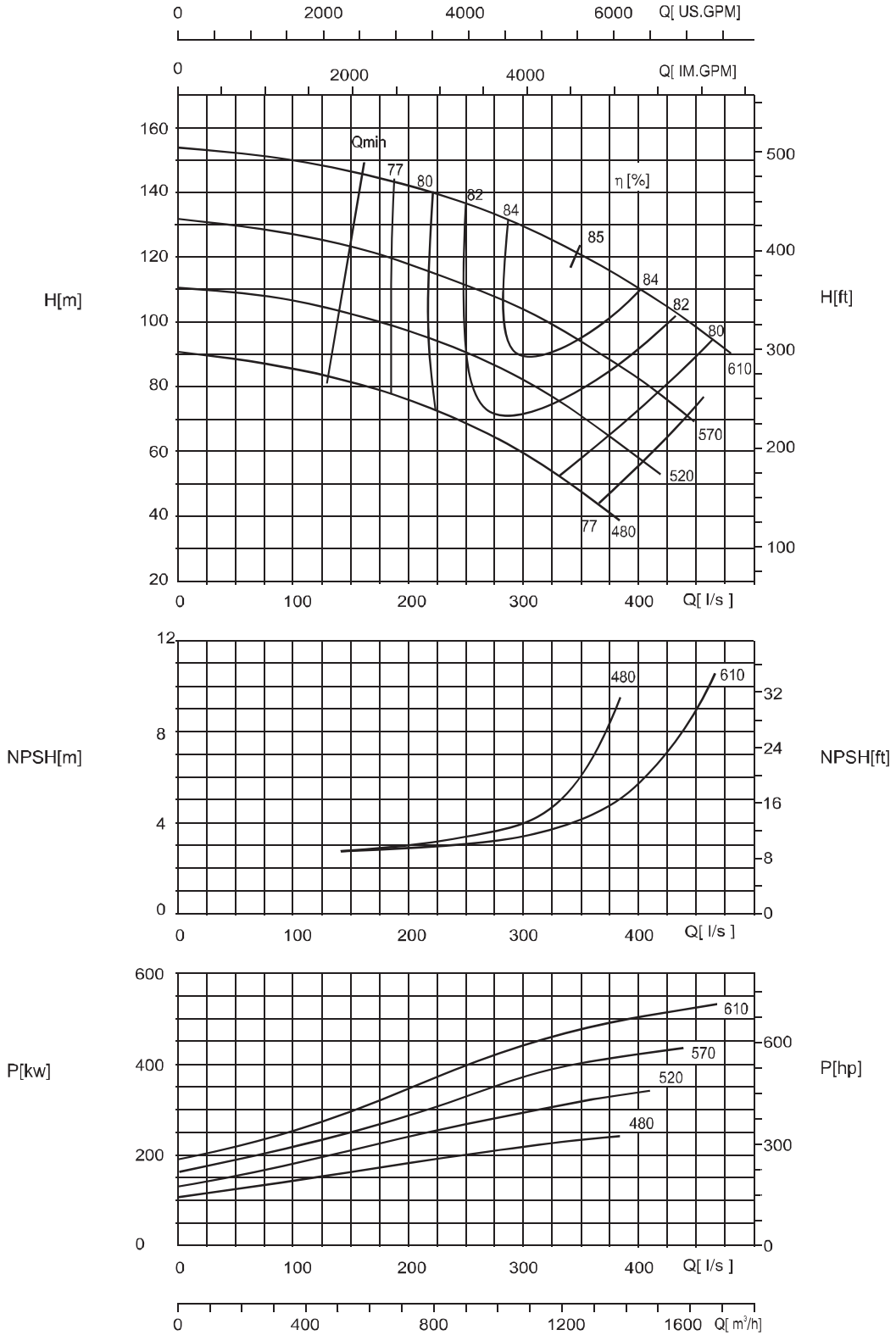
1480 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 300–250–610

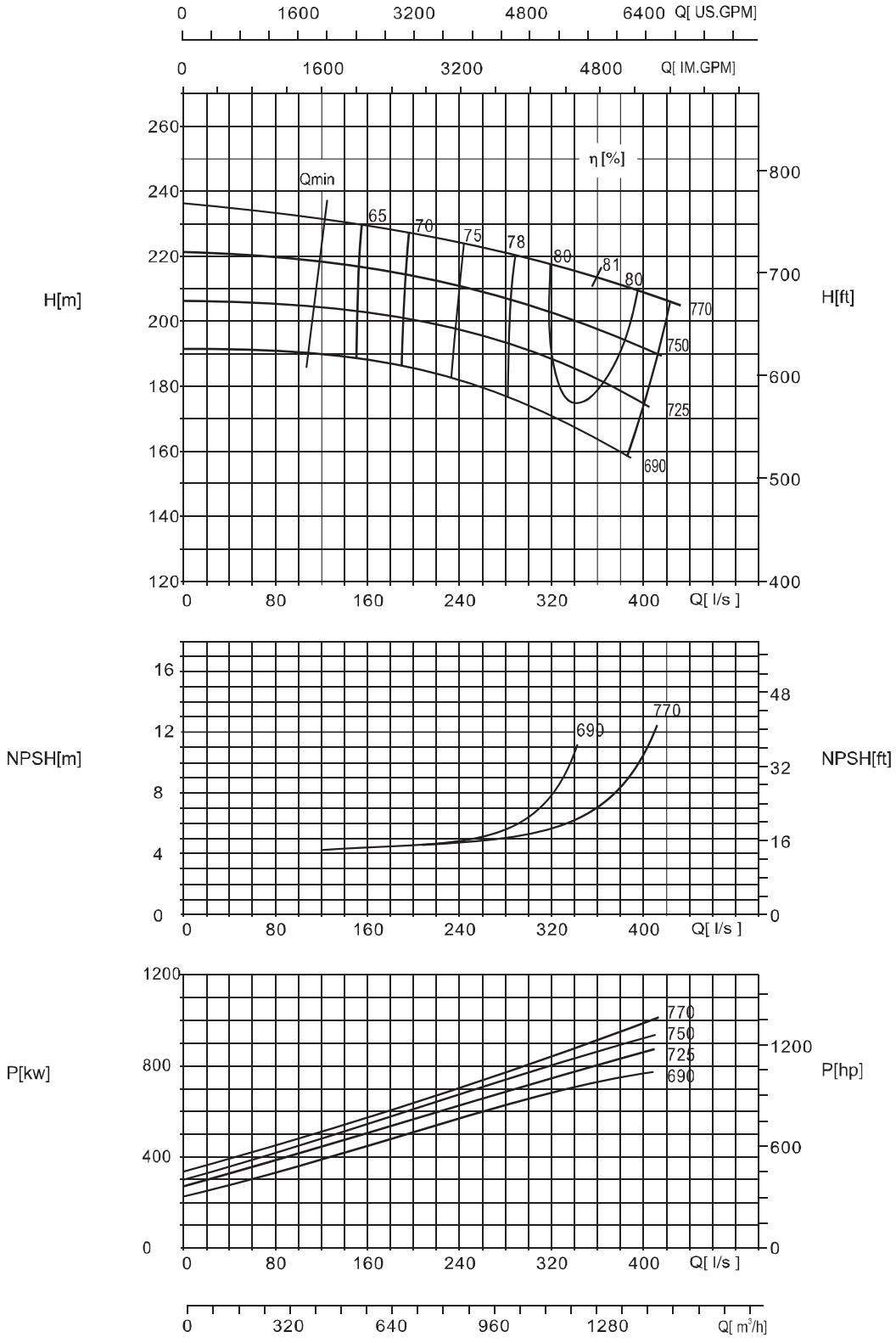
1480 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 300–250–780

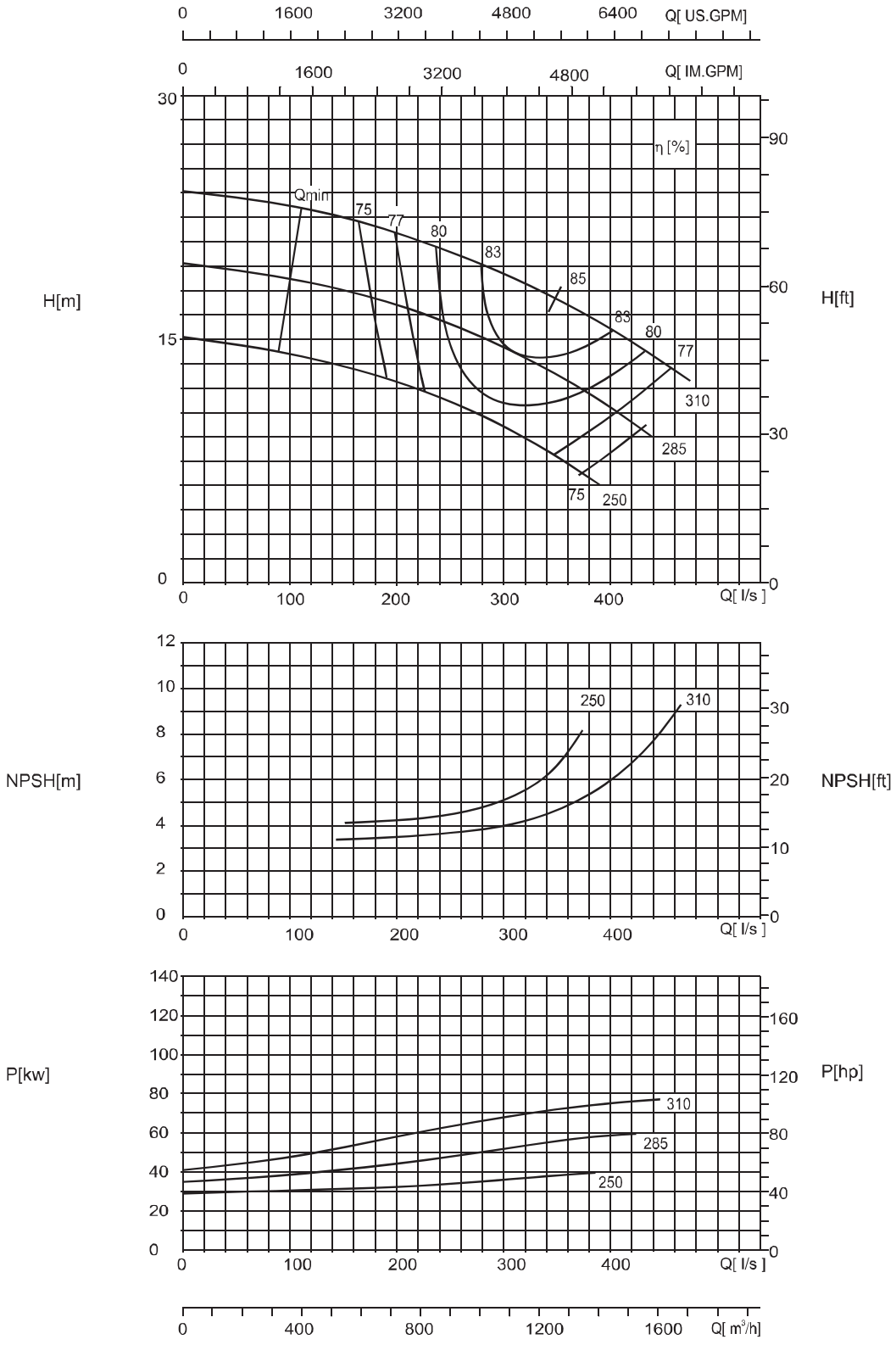
1480 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 350–300–310

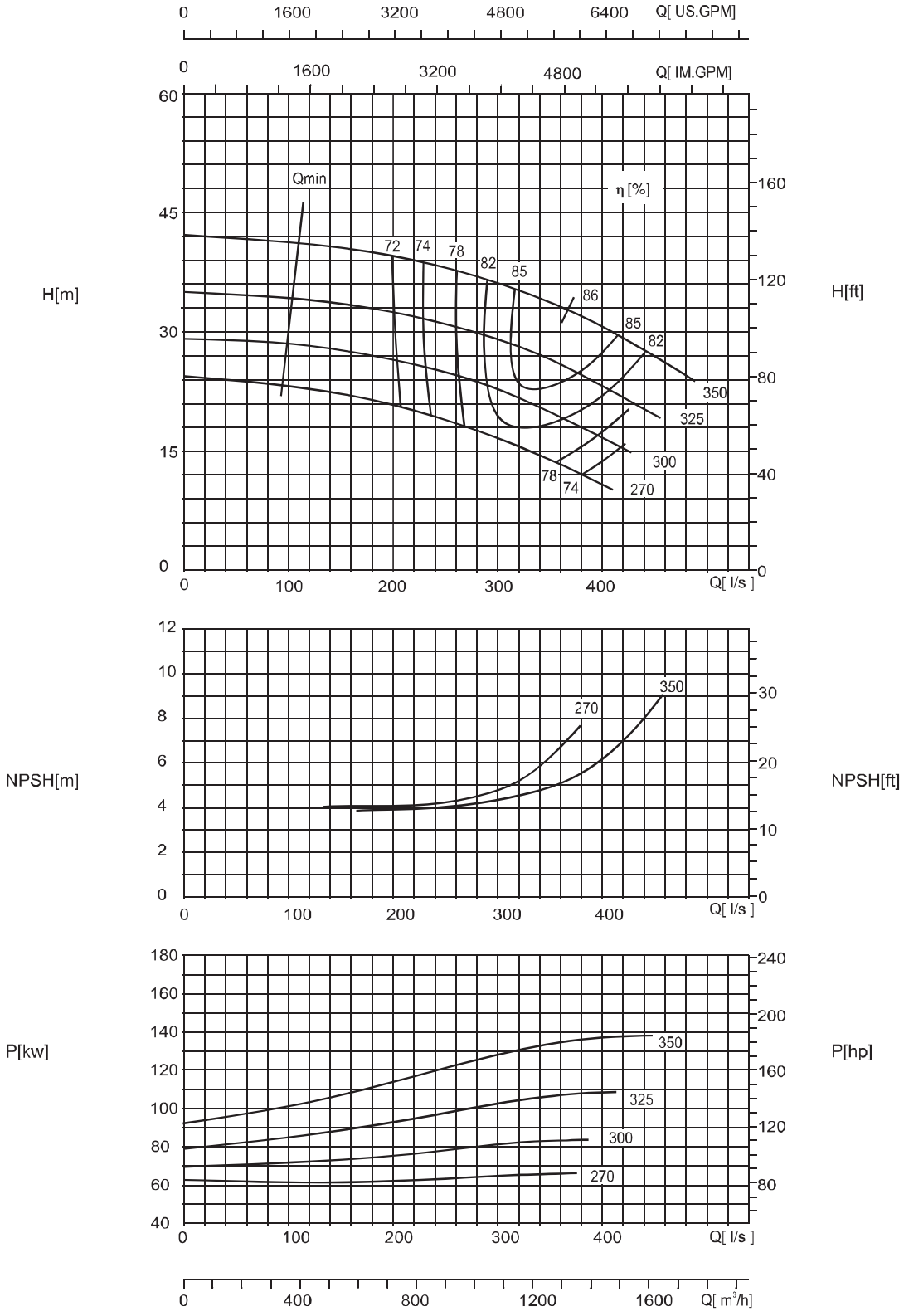
1480 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 350–300–330

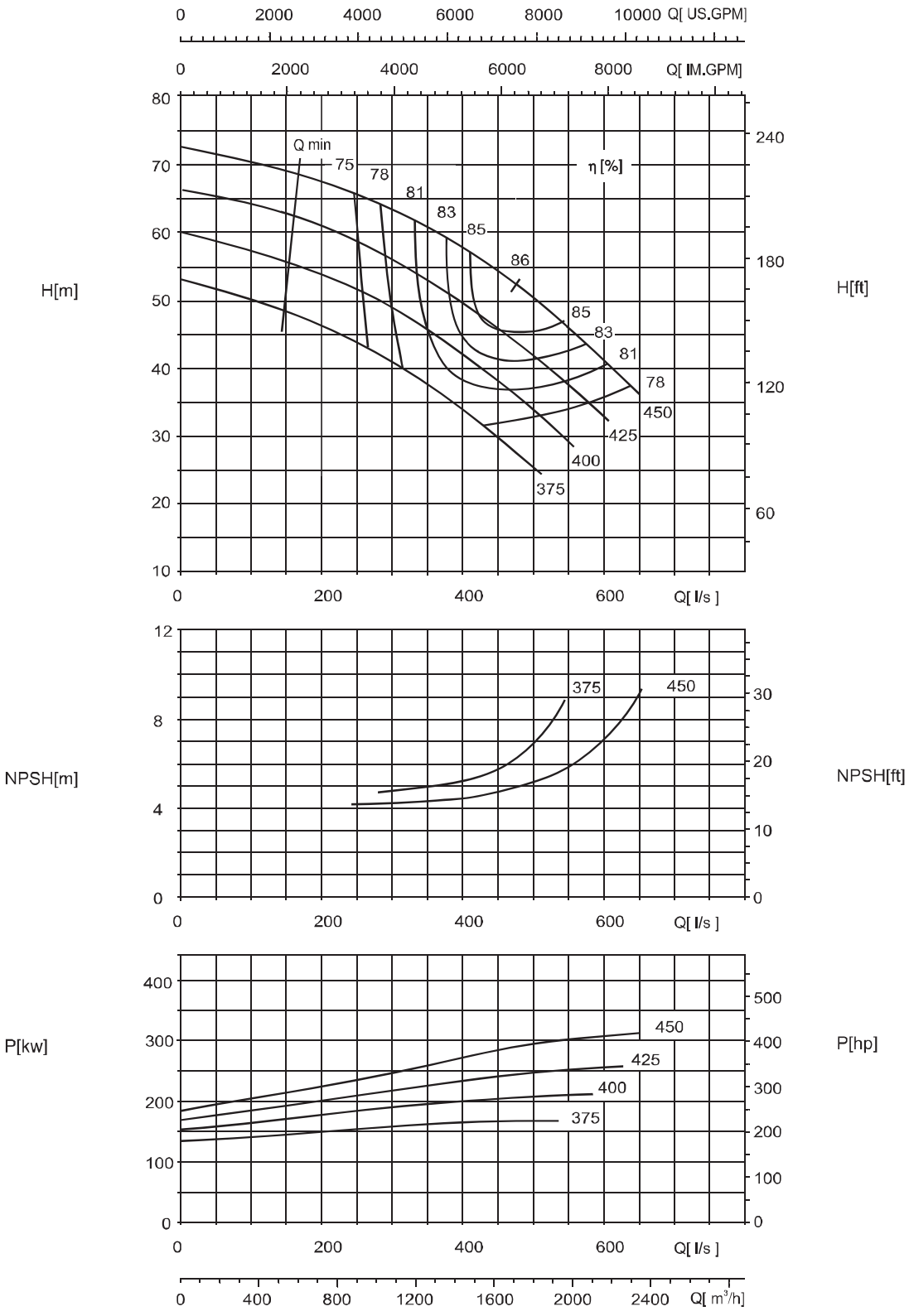
1480 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 400–300–450L (Low Cavitation Impeller)

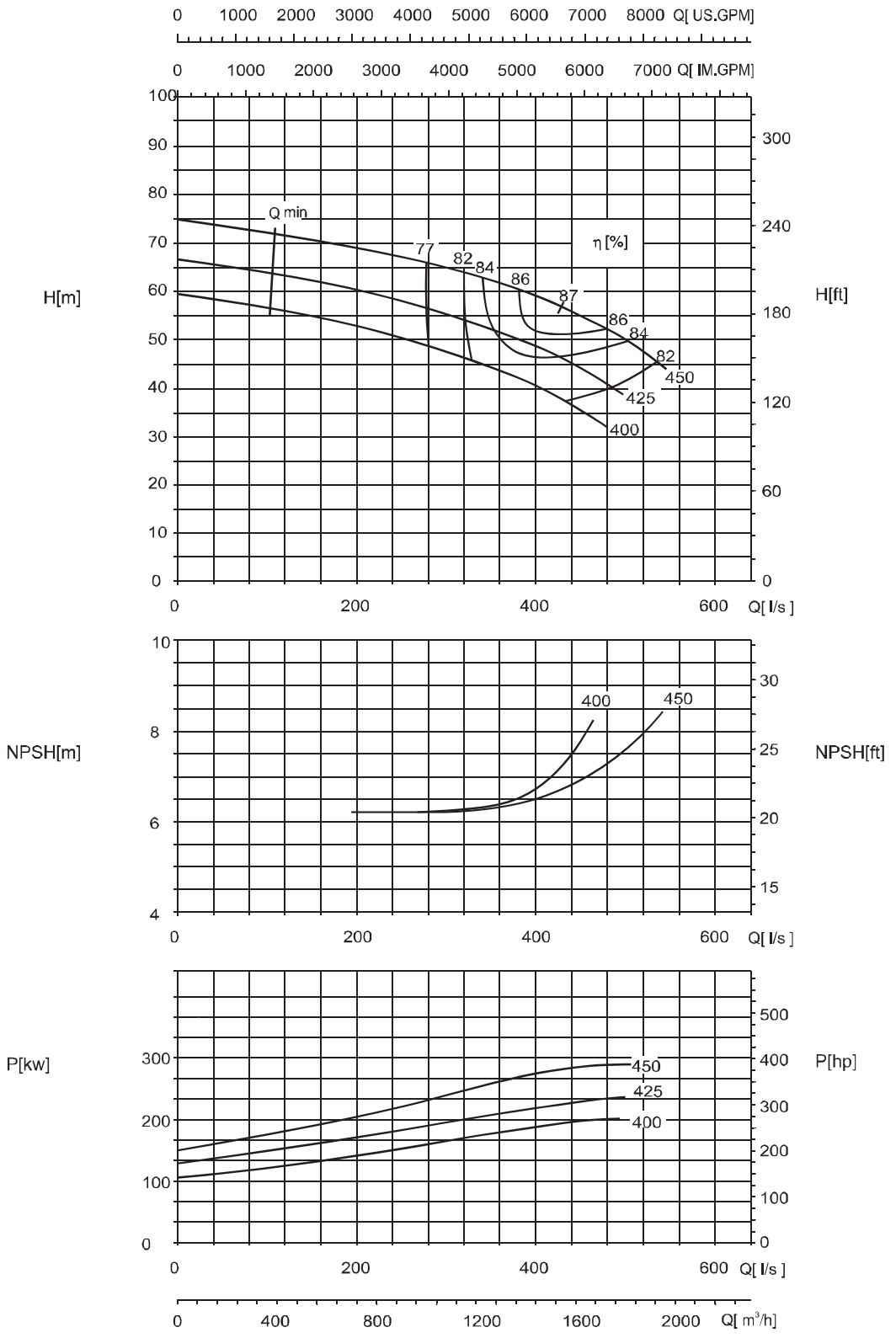
1480 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 400–300–450H (High Efficiency Impeller)

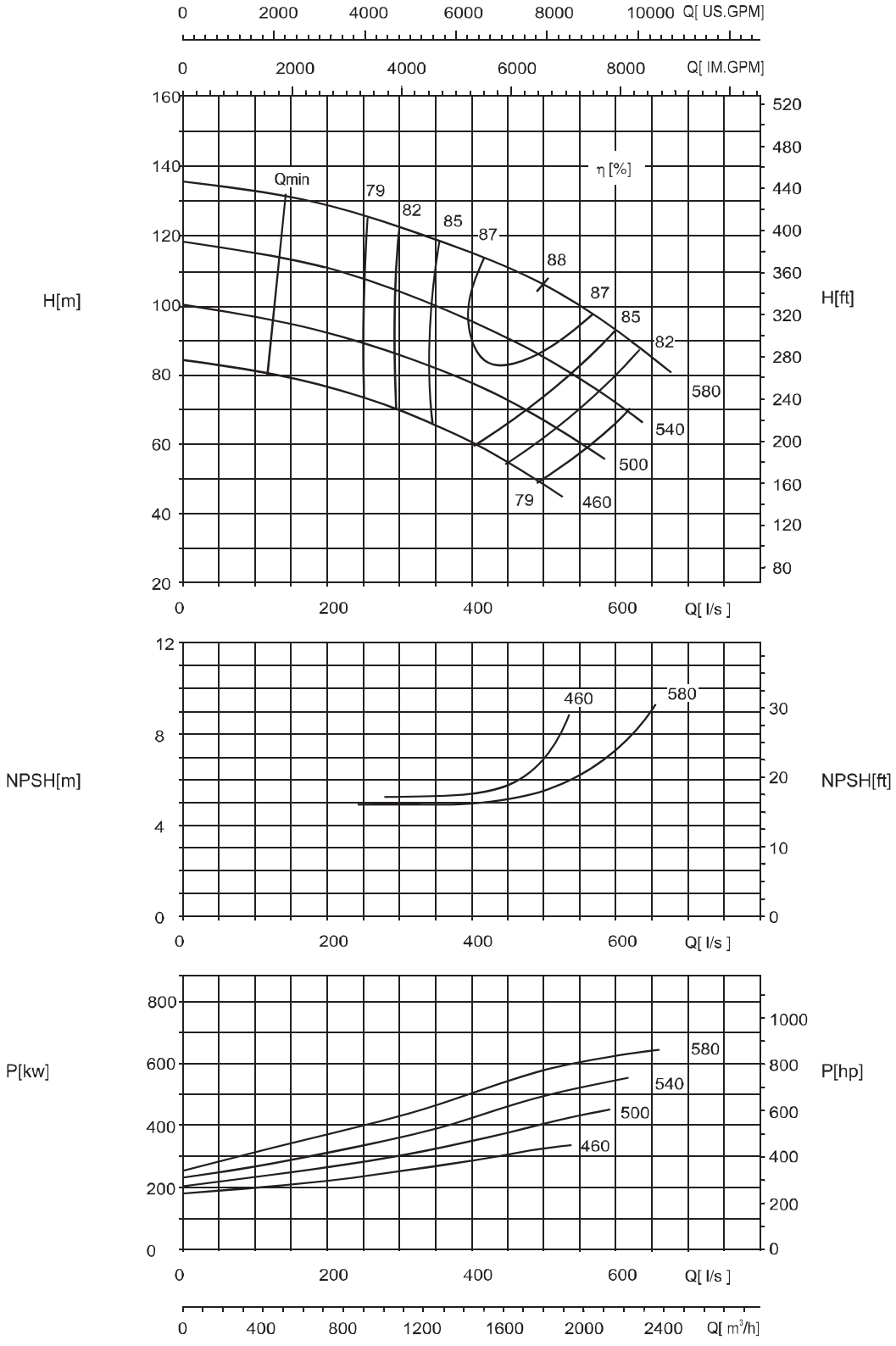
1480 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 400–300–570

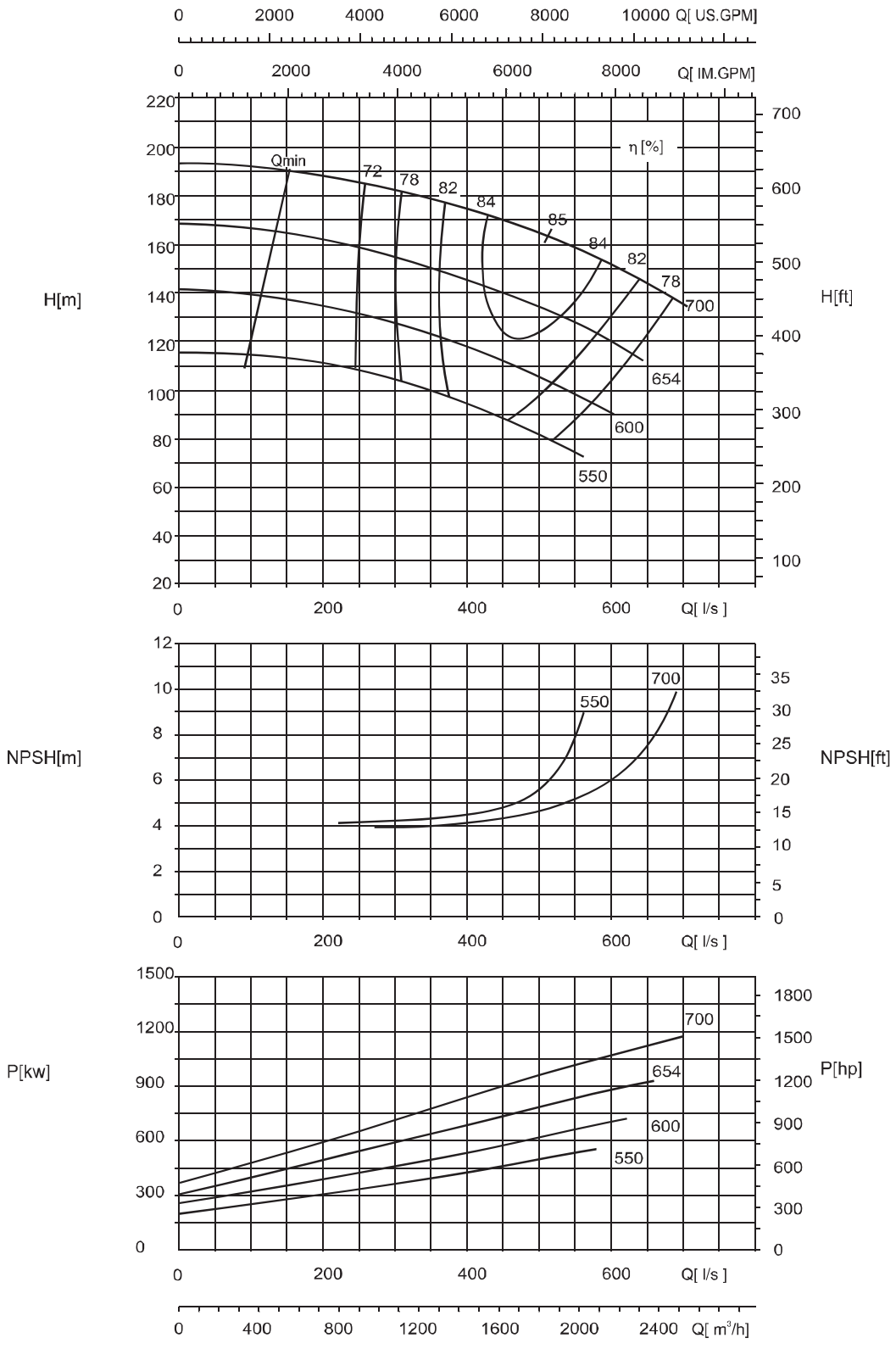
1480 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 400–300–700

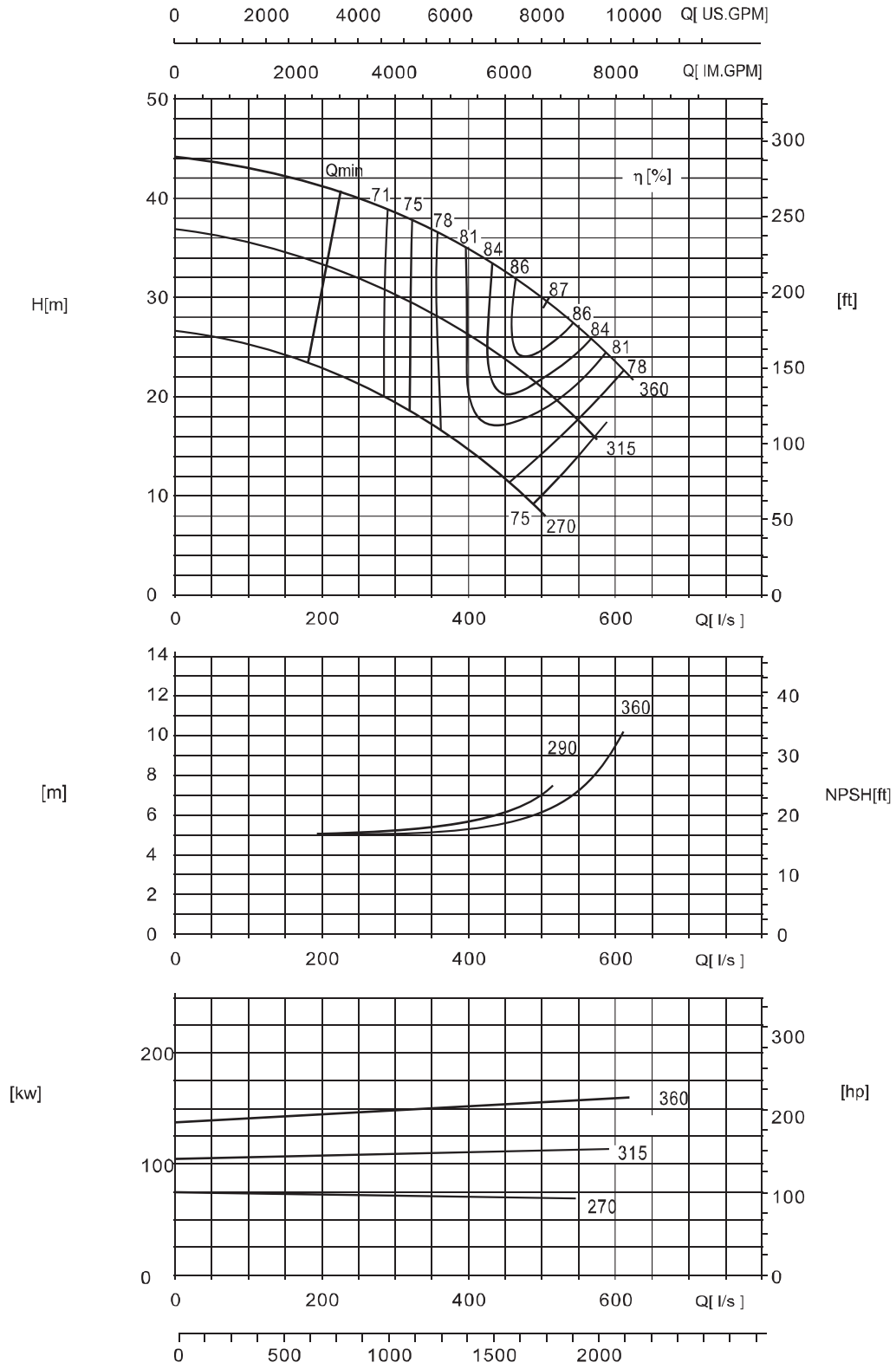
1480 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 400-350-360

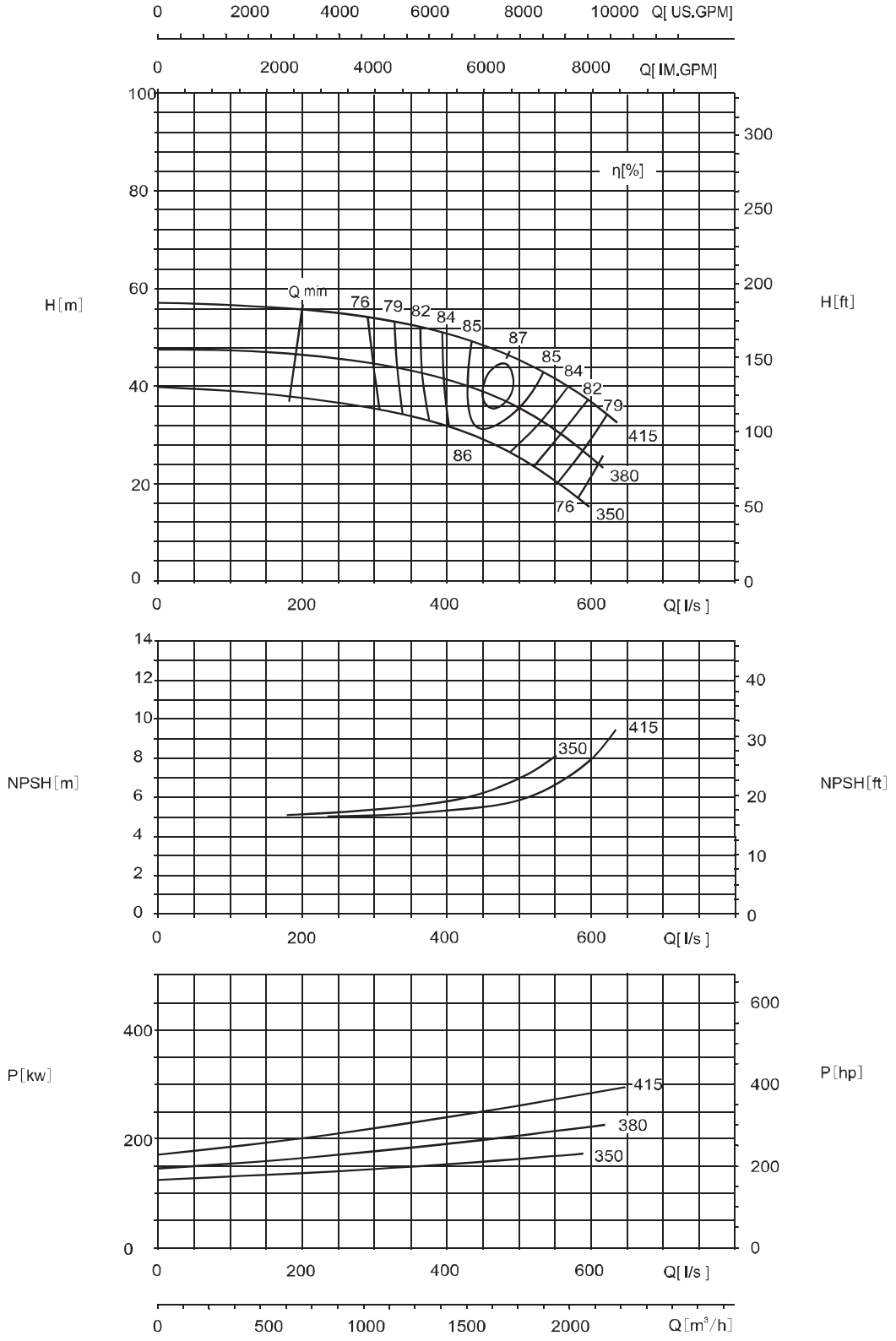
1480 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 400–350–380

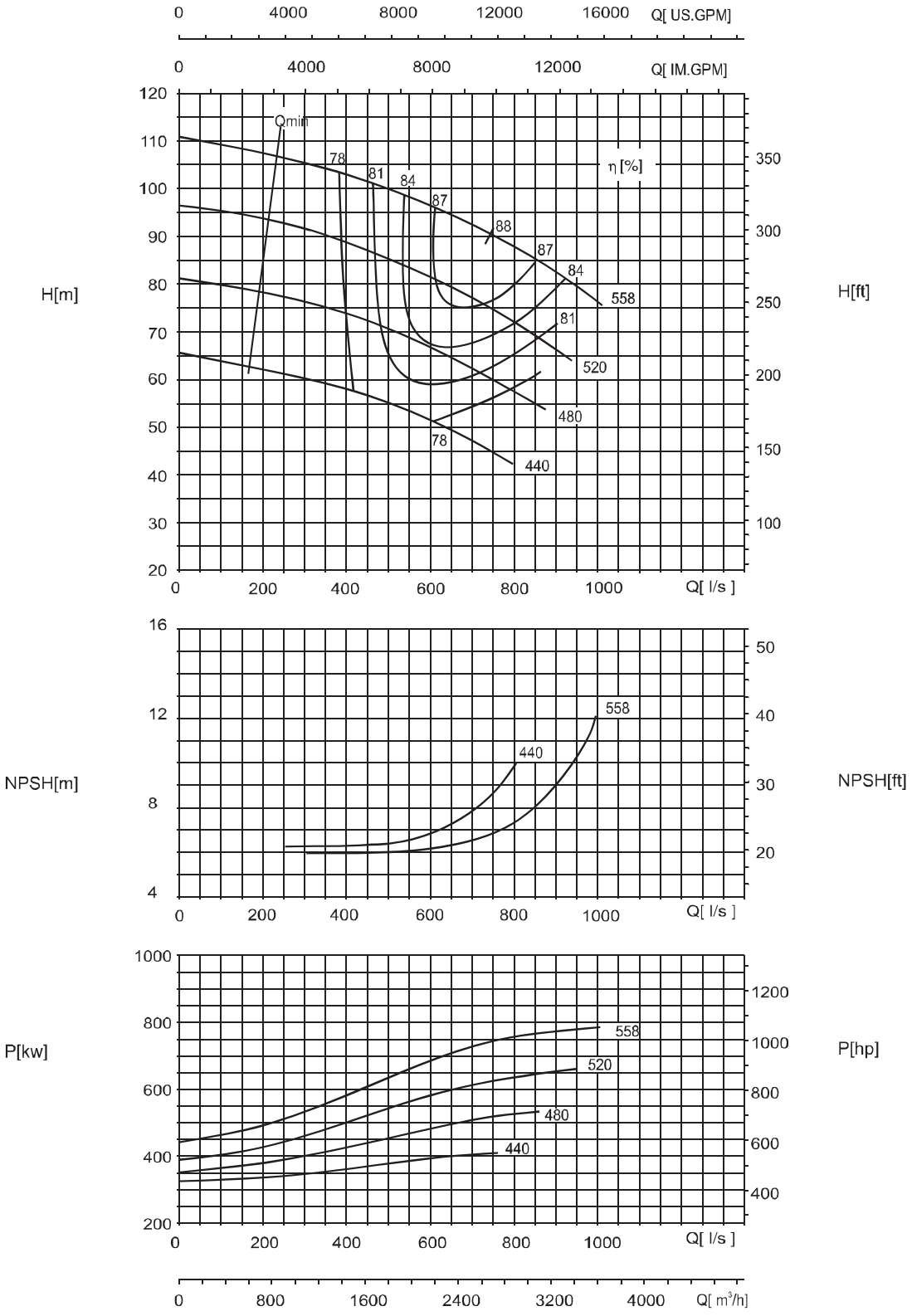
1480 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC400–350–520

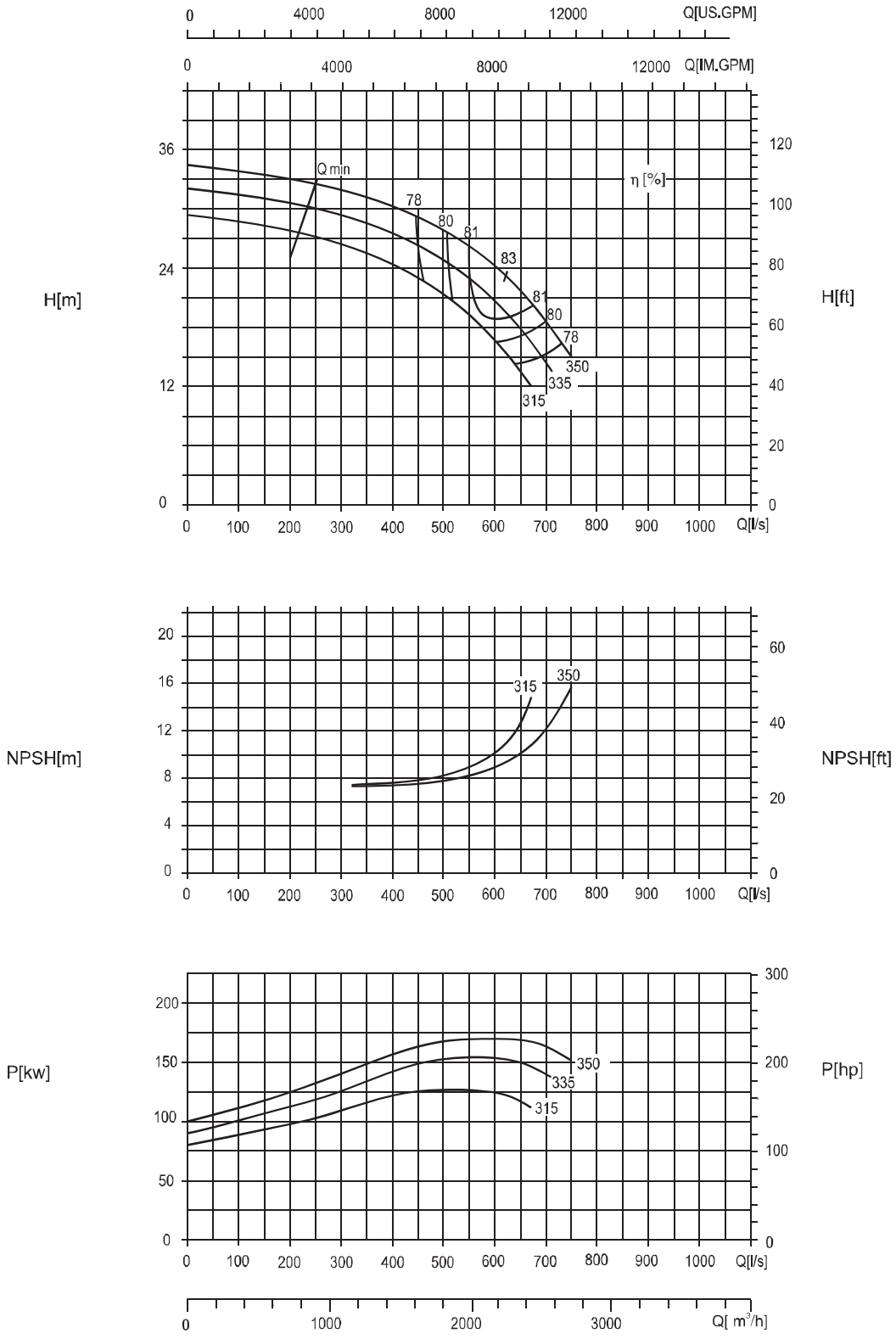
1480 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 450–450–350

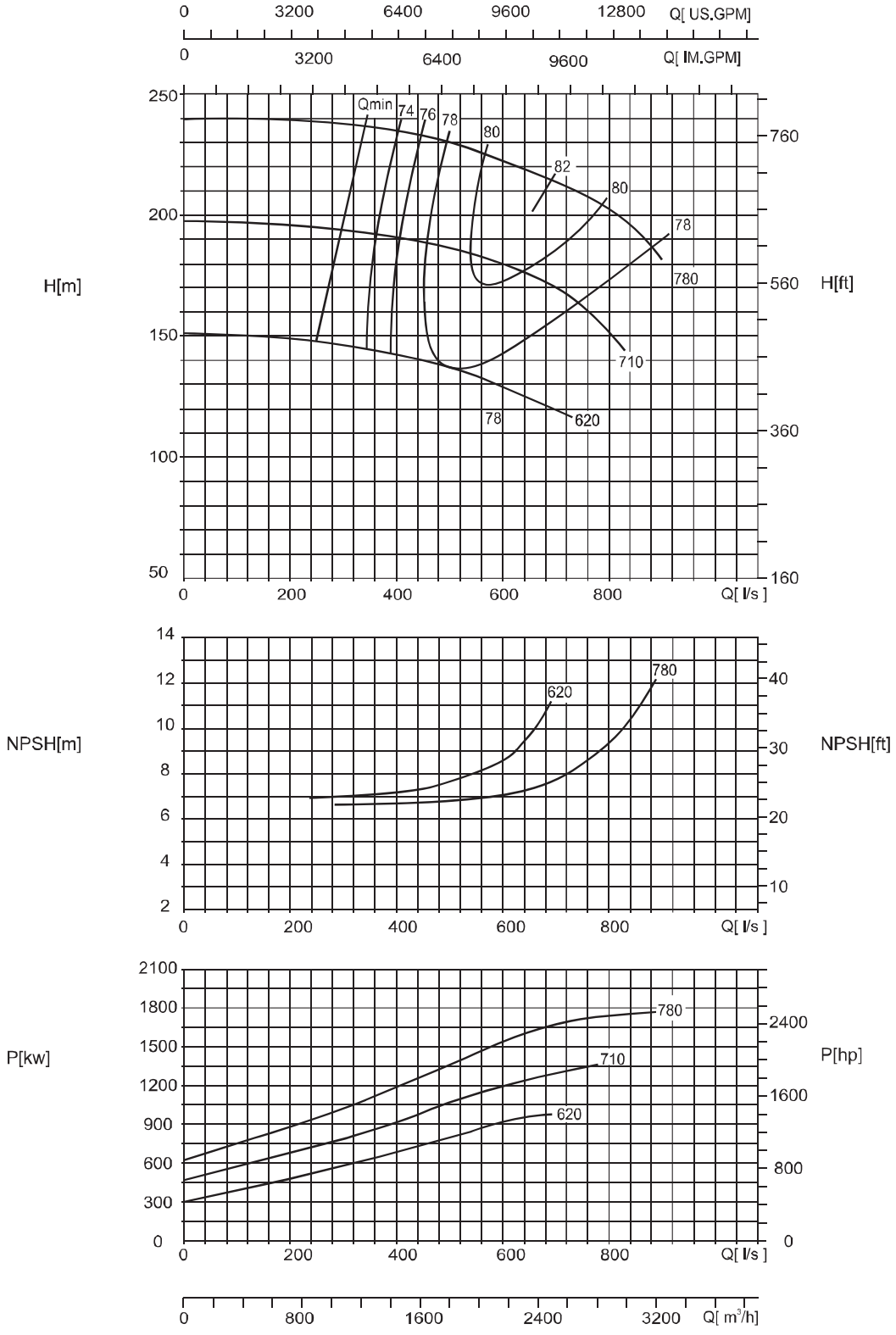
1480 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 500–300–780

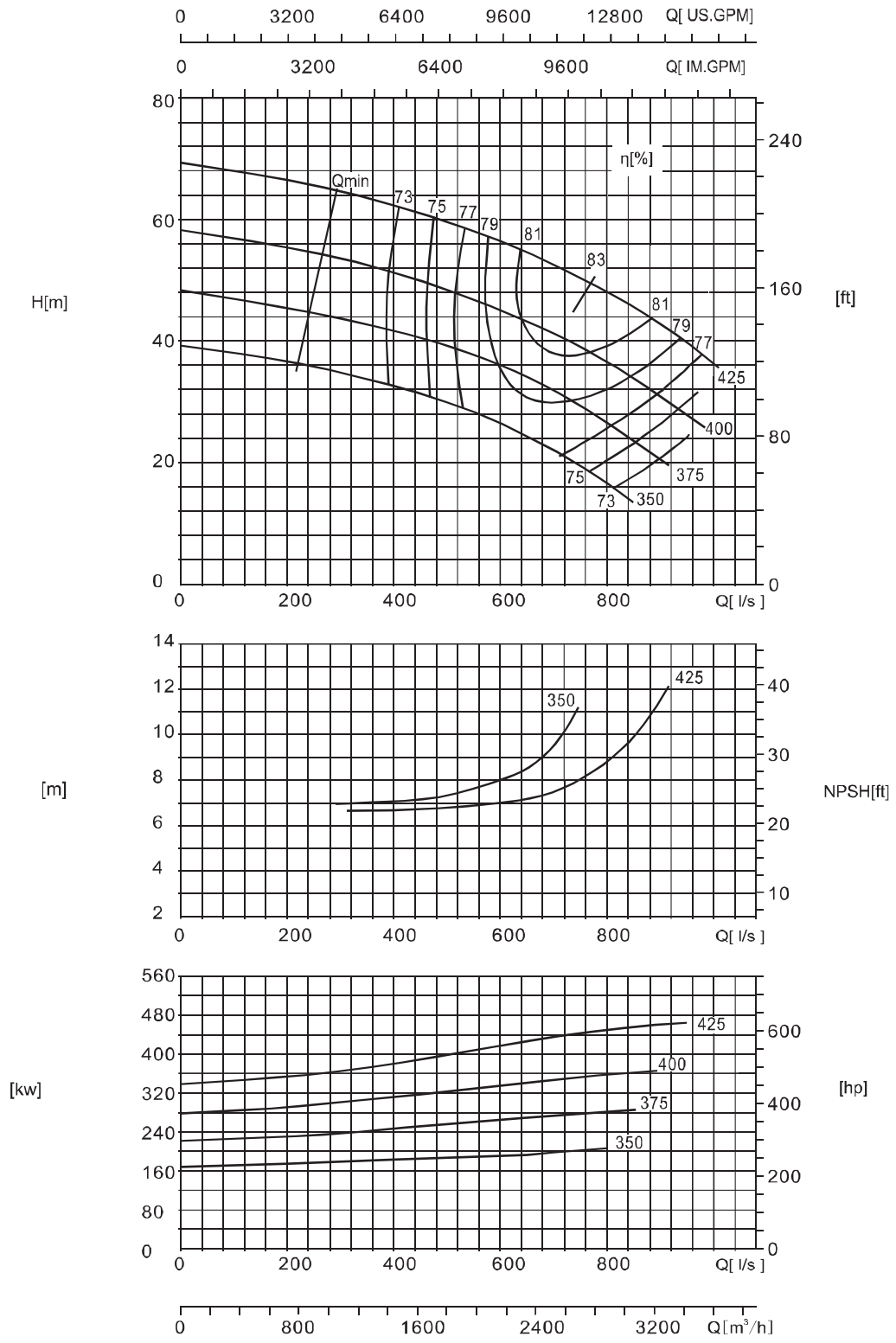
1480 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 500-400-420

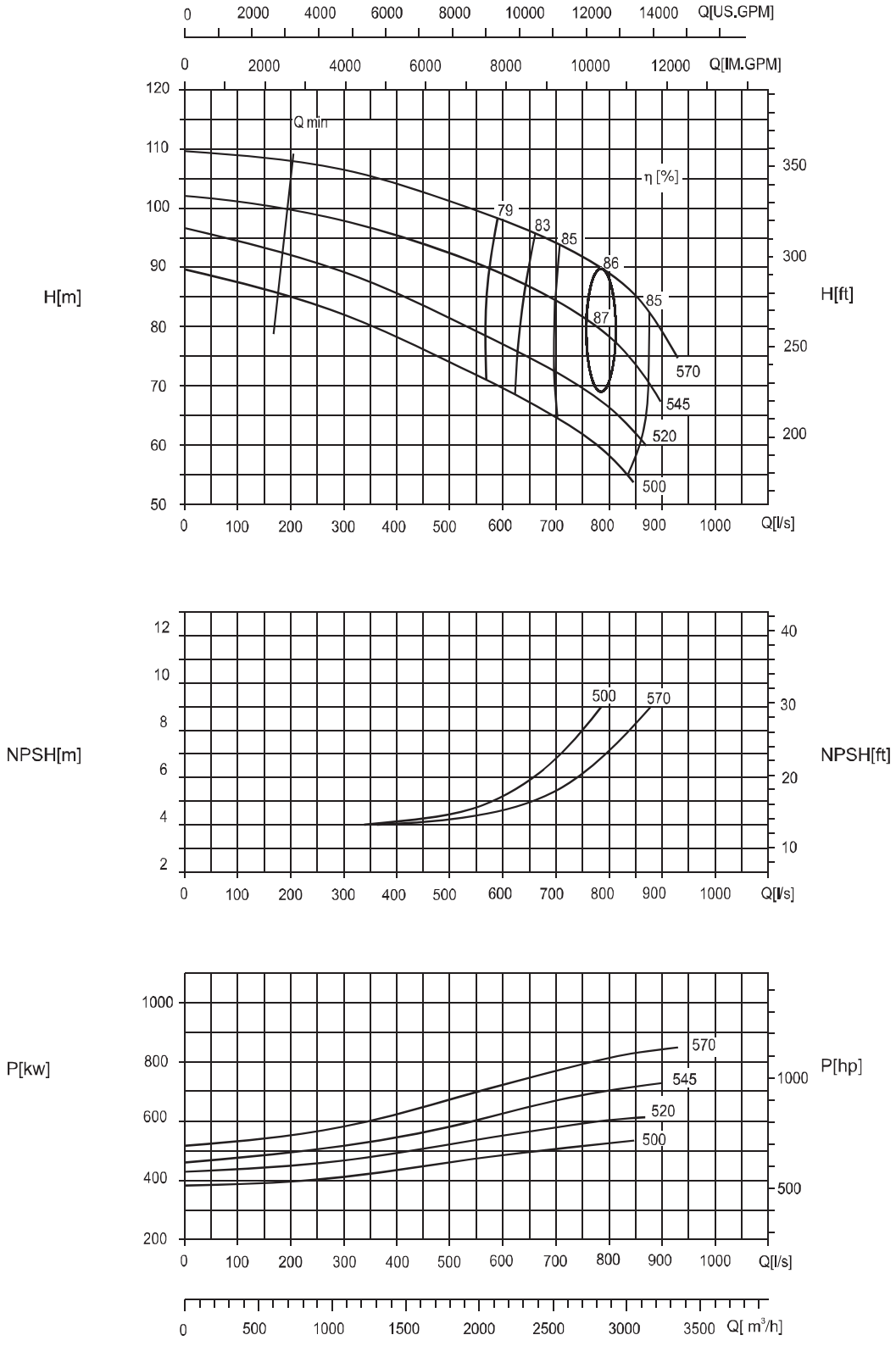
1480 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 500–400–540

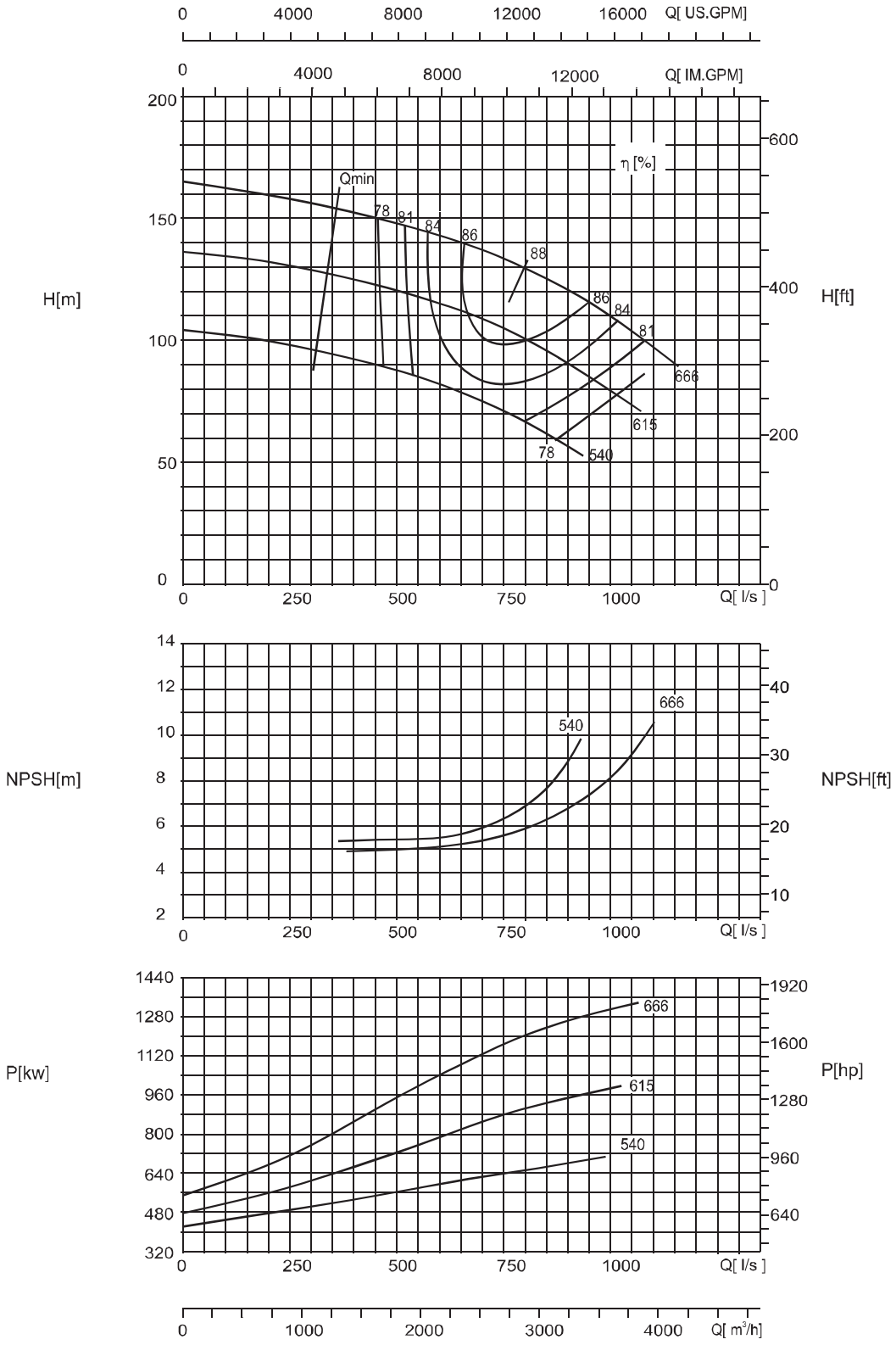
1480 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 500–400–660

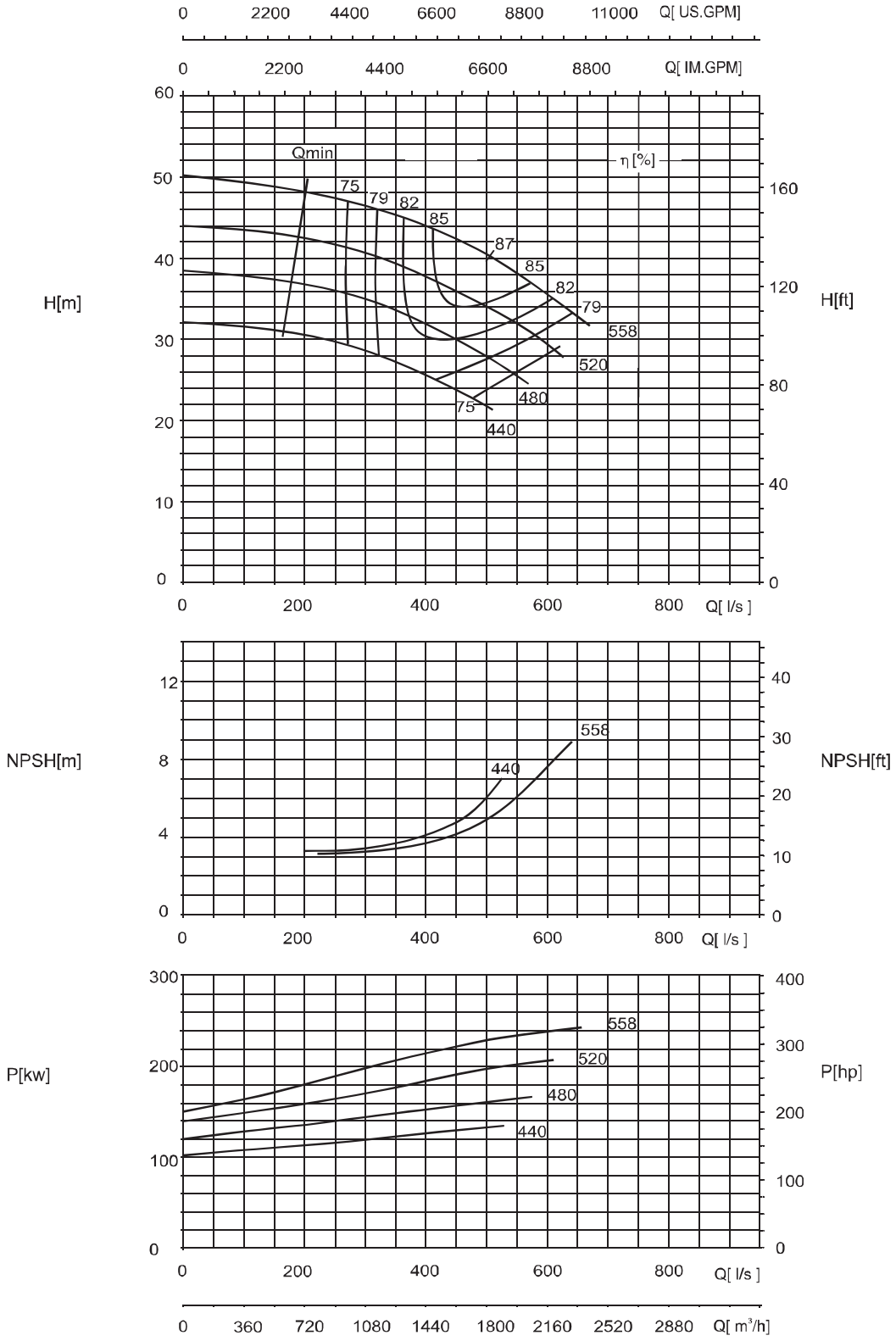
1480 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 400–350–520

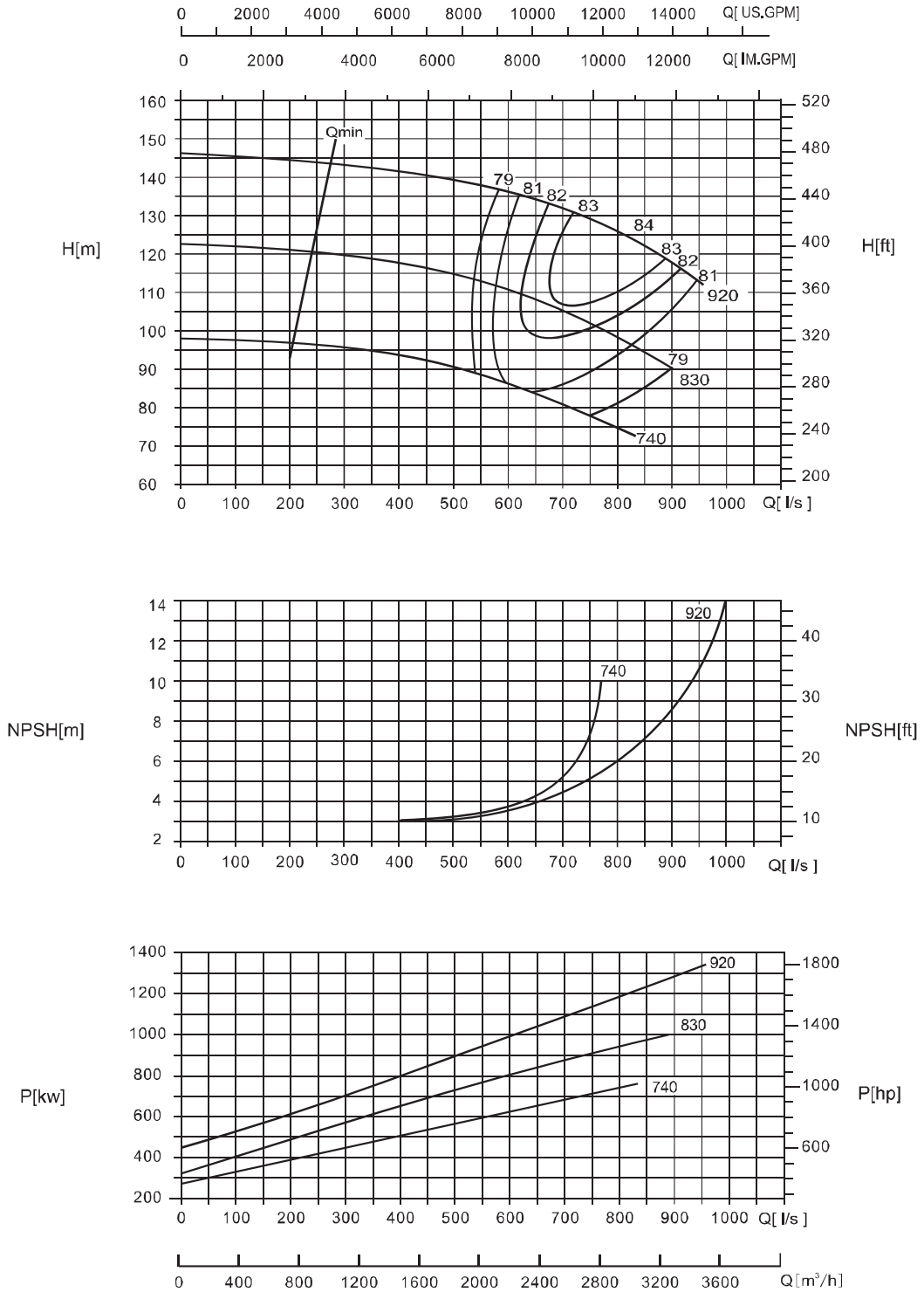
980 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 500–300–920

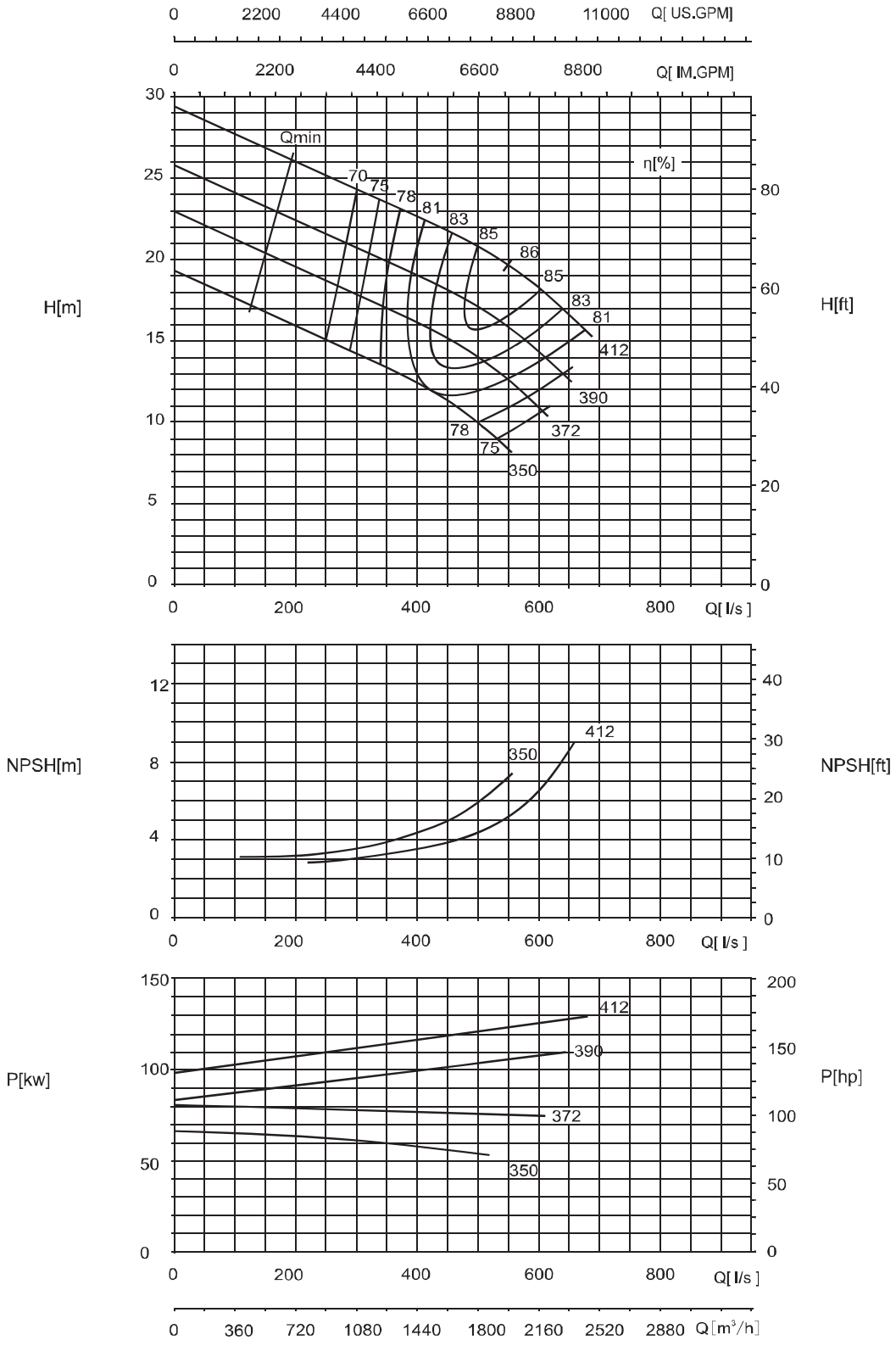
980 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 500–400–400

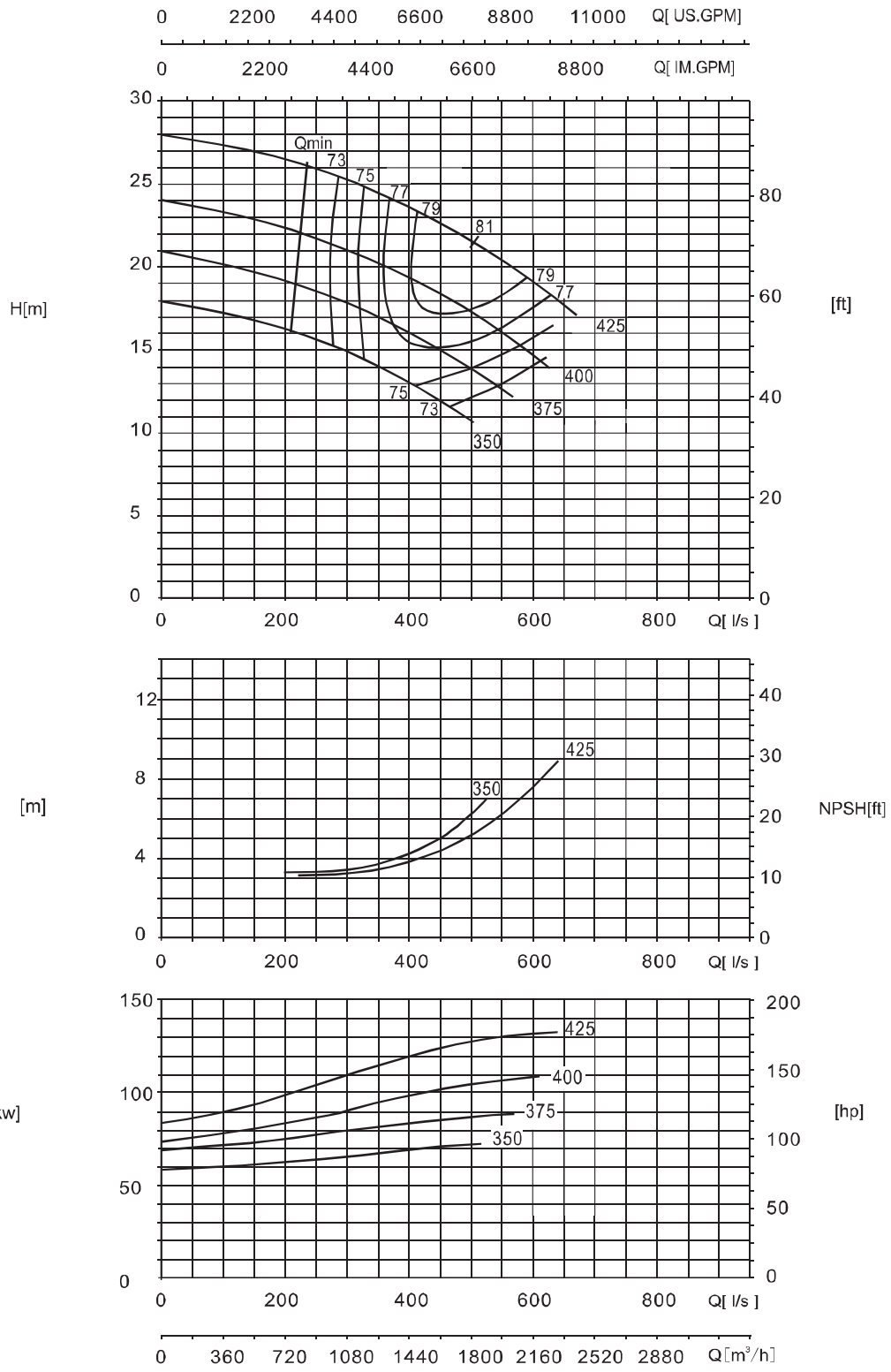
980 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 500-400-420

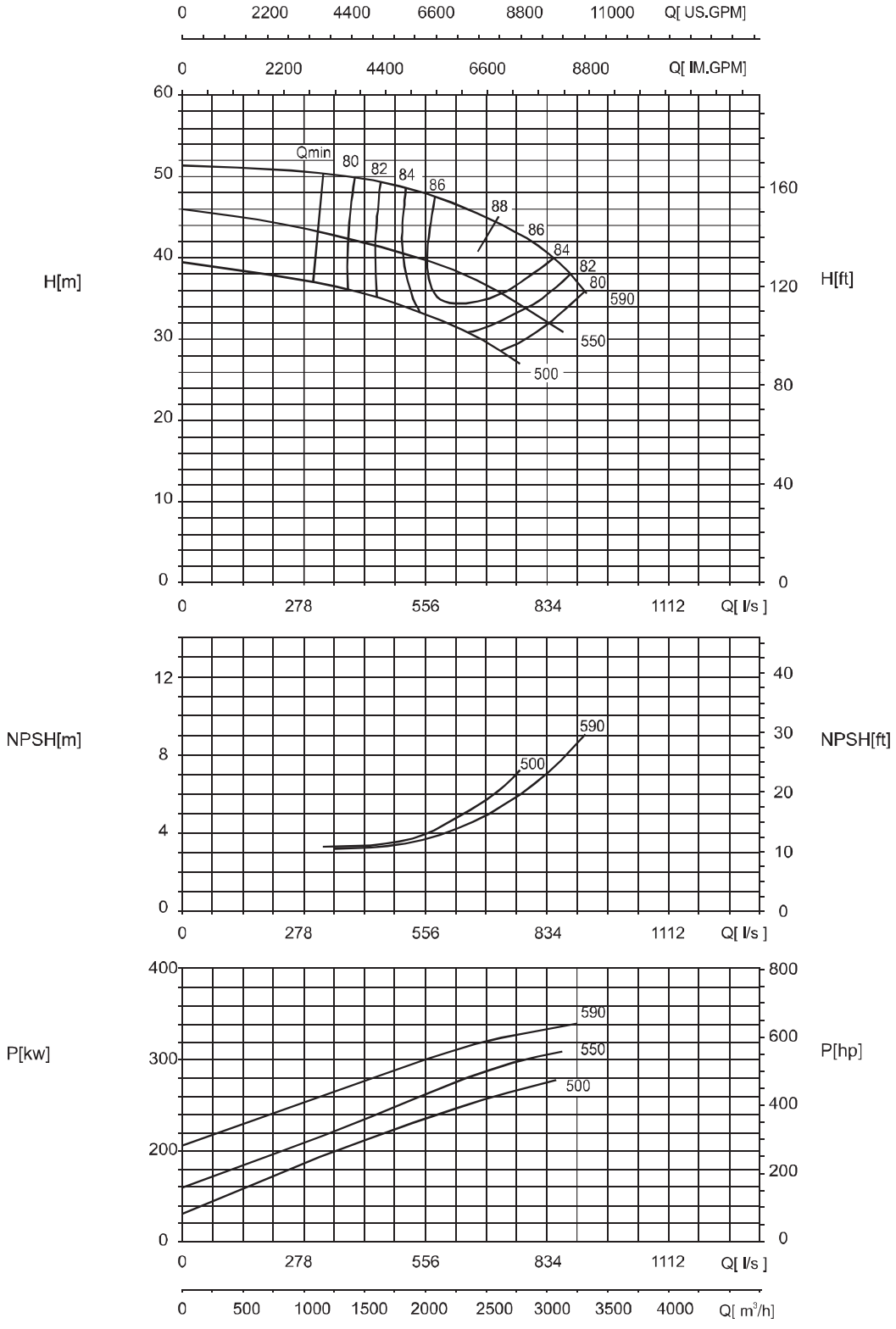
980 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 500–400–590

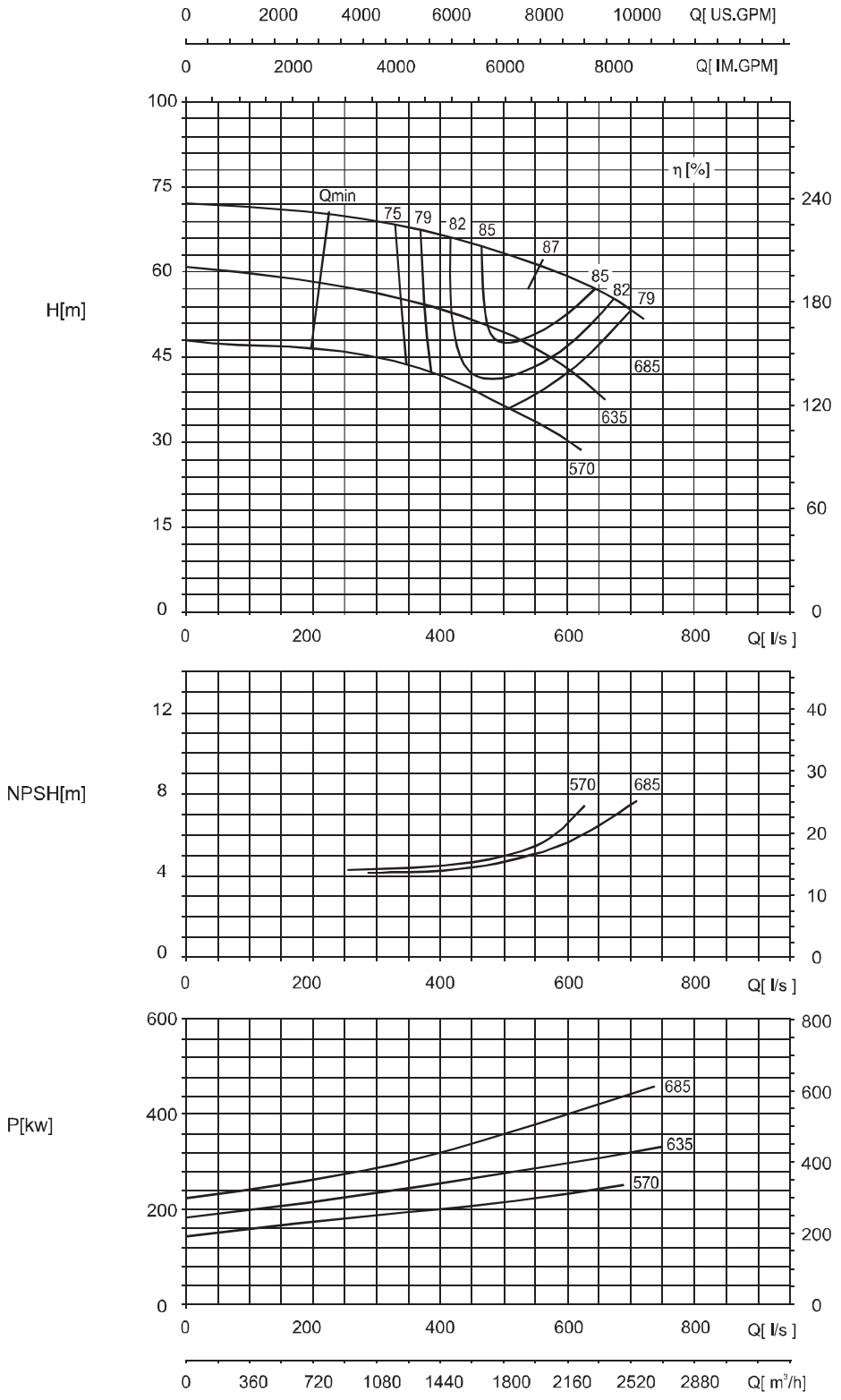
980 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 500–400–675

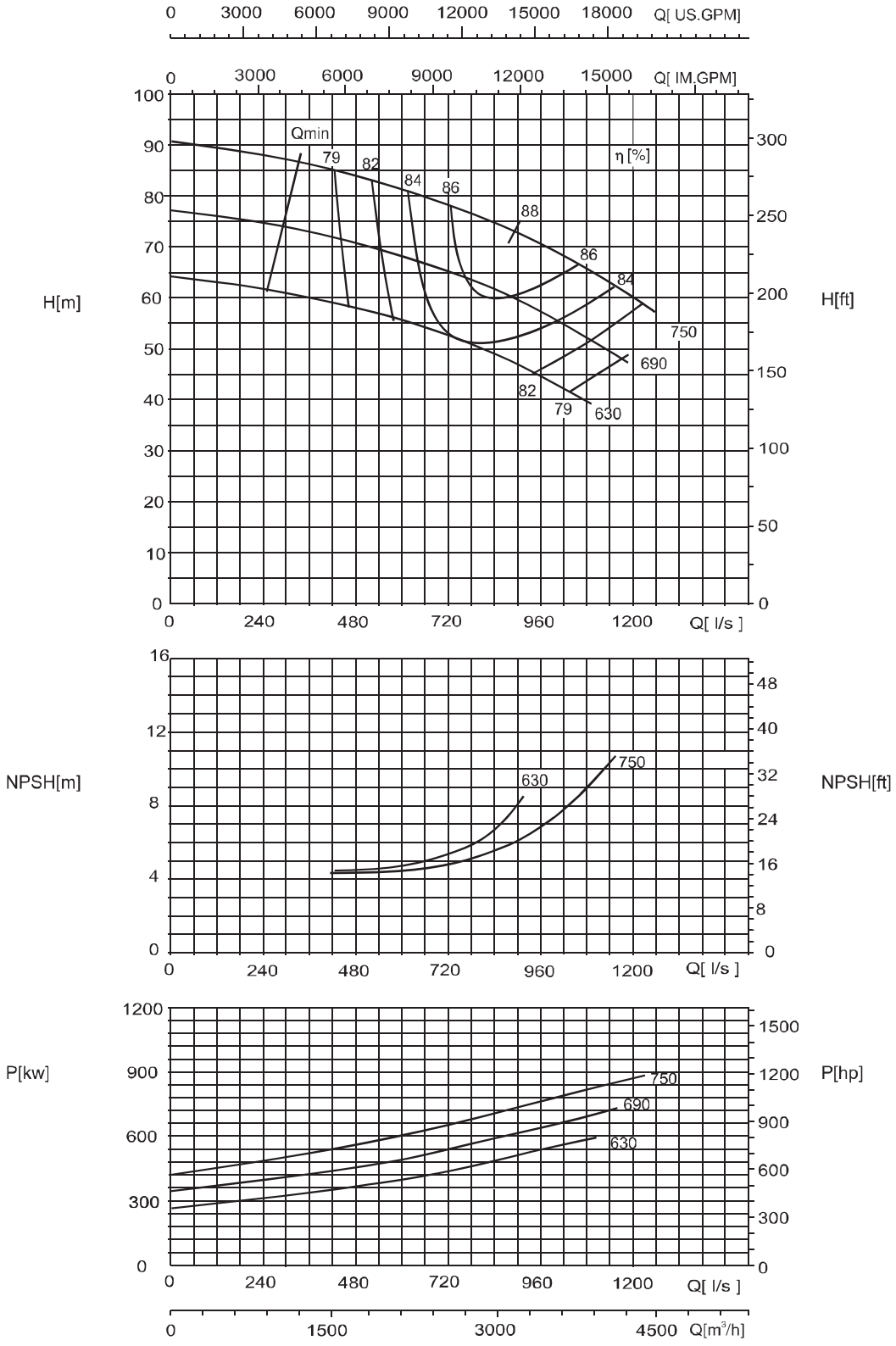
980 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 600–400–740

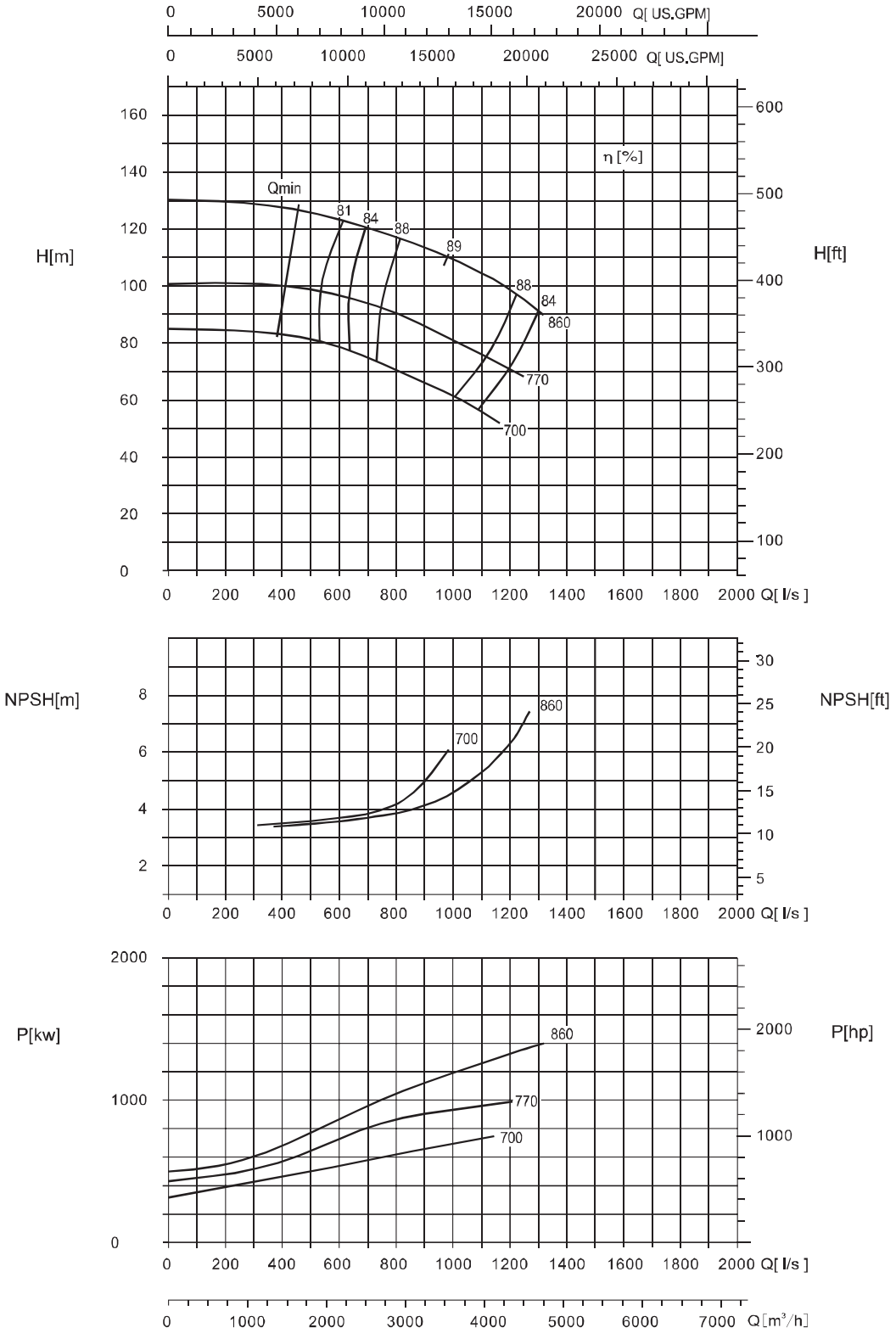
980 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 600–400–850

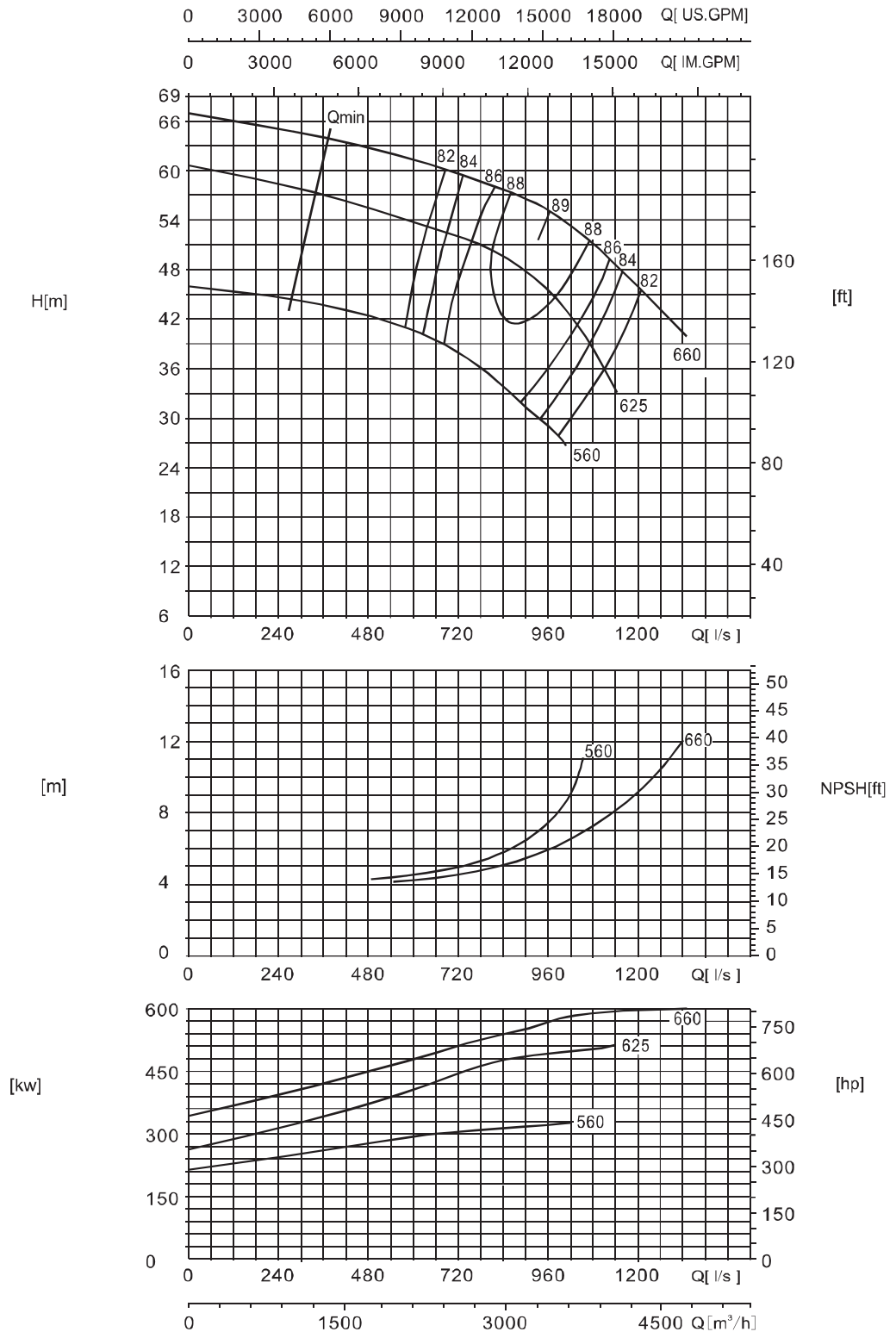
980 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 600-450-640

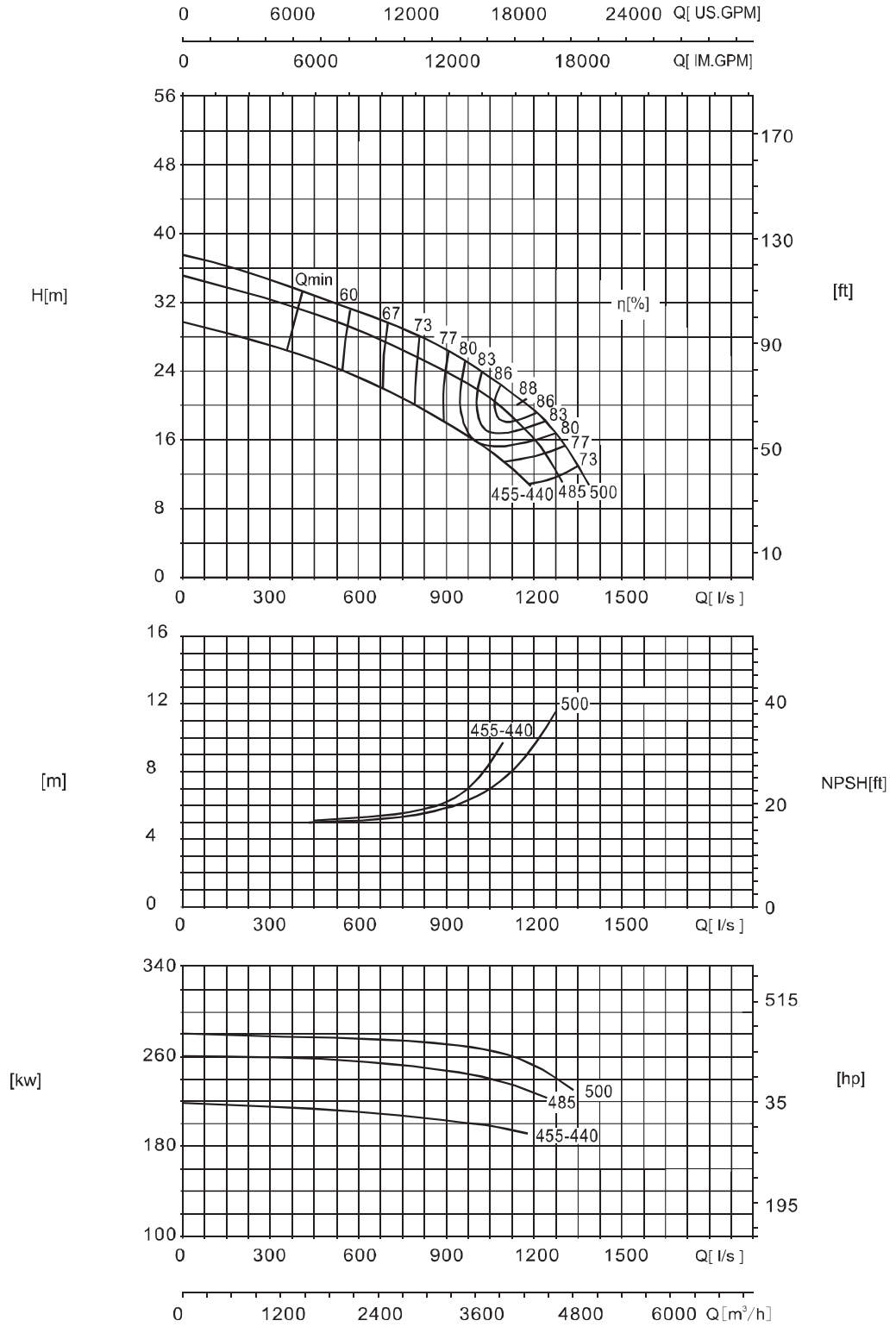
980 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 600-500-470

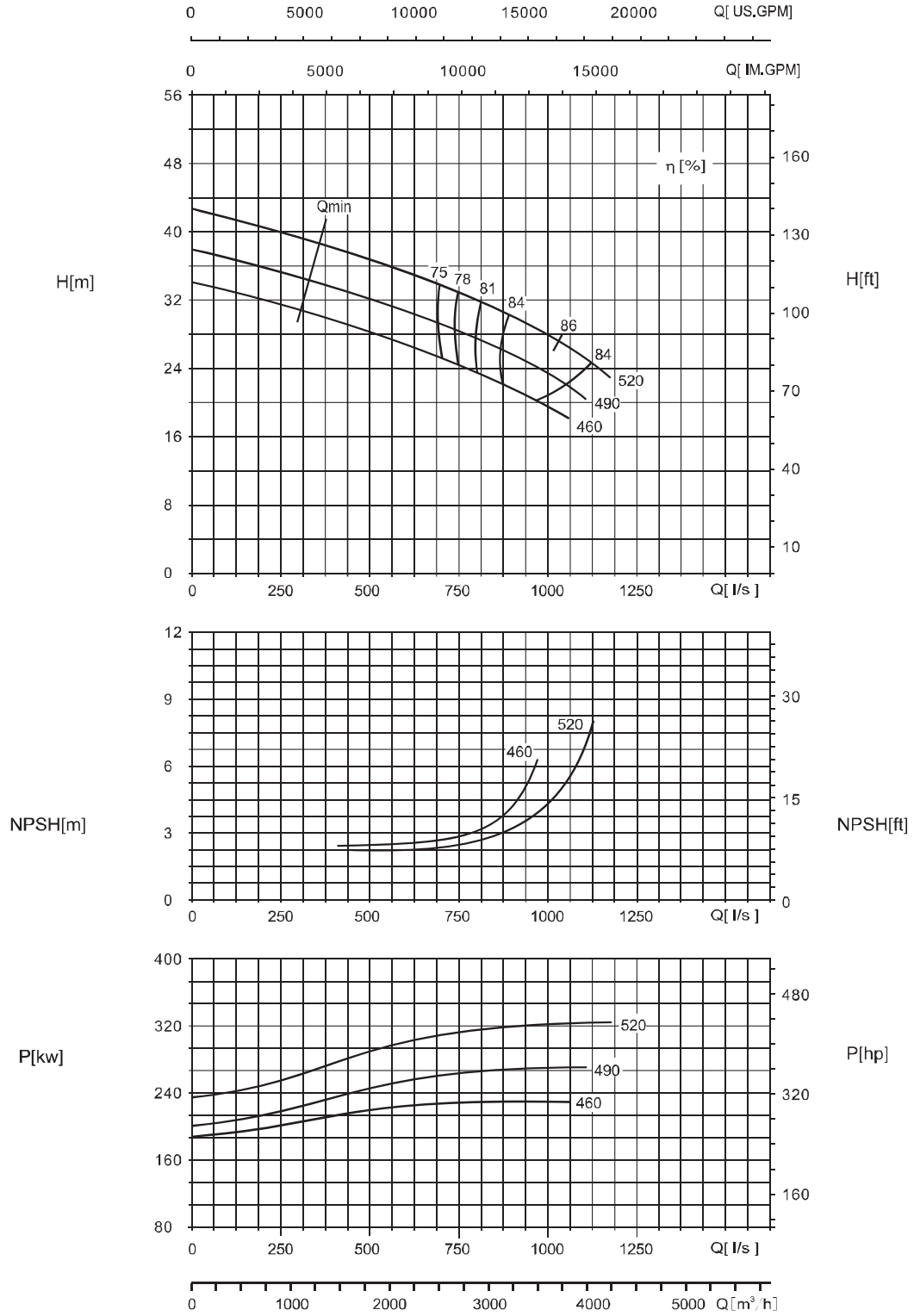
980 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 600–500–520

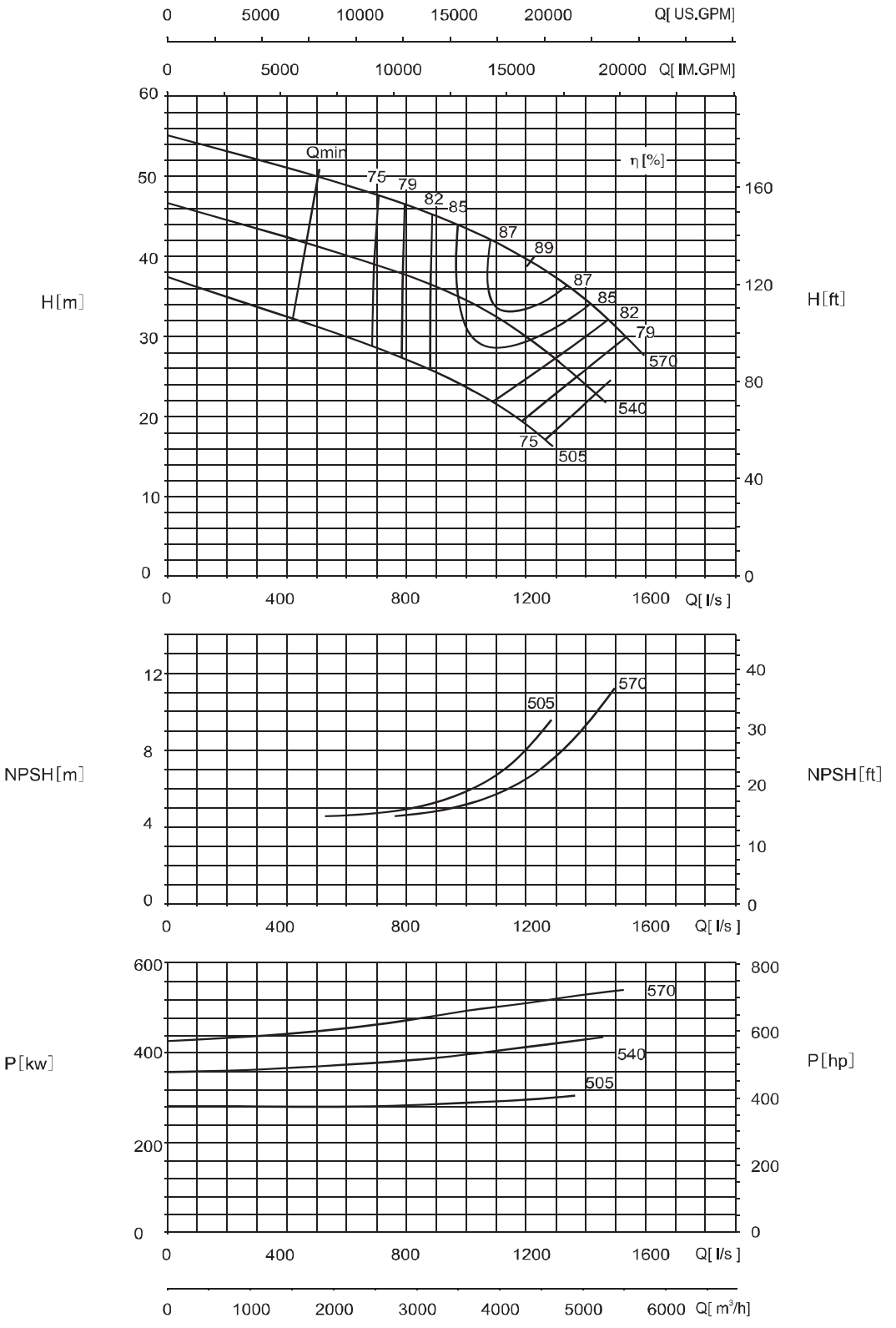
980 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 600–500–550/580

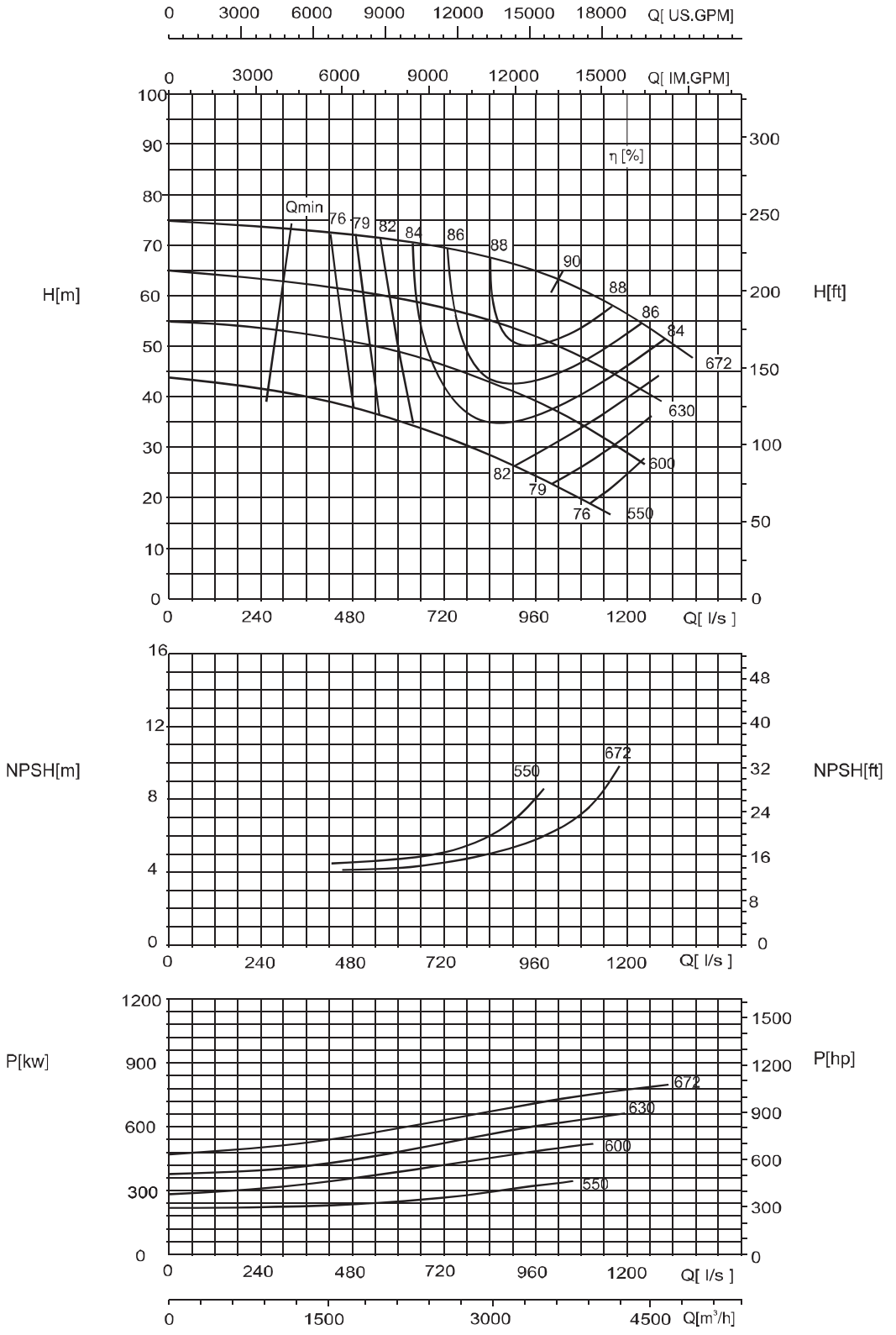
980 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 700–500–670

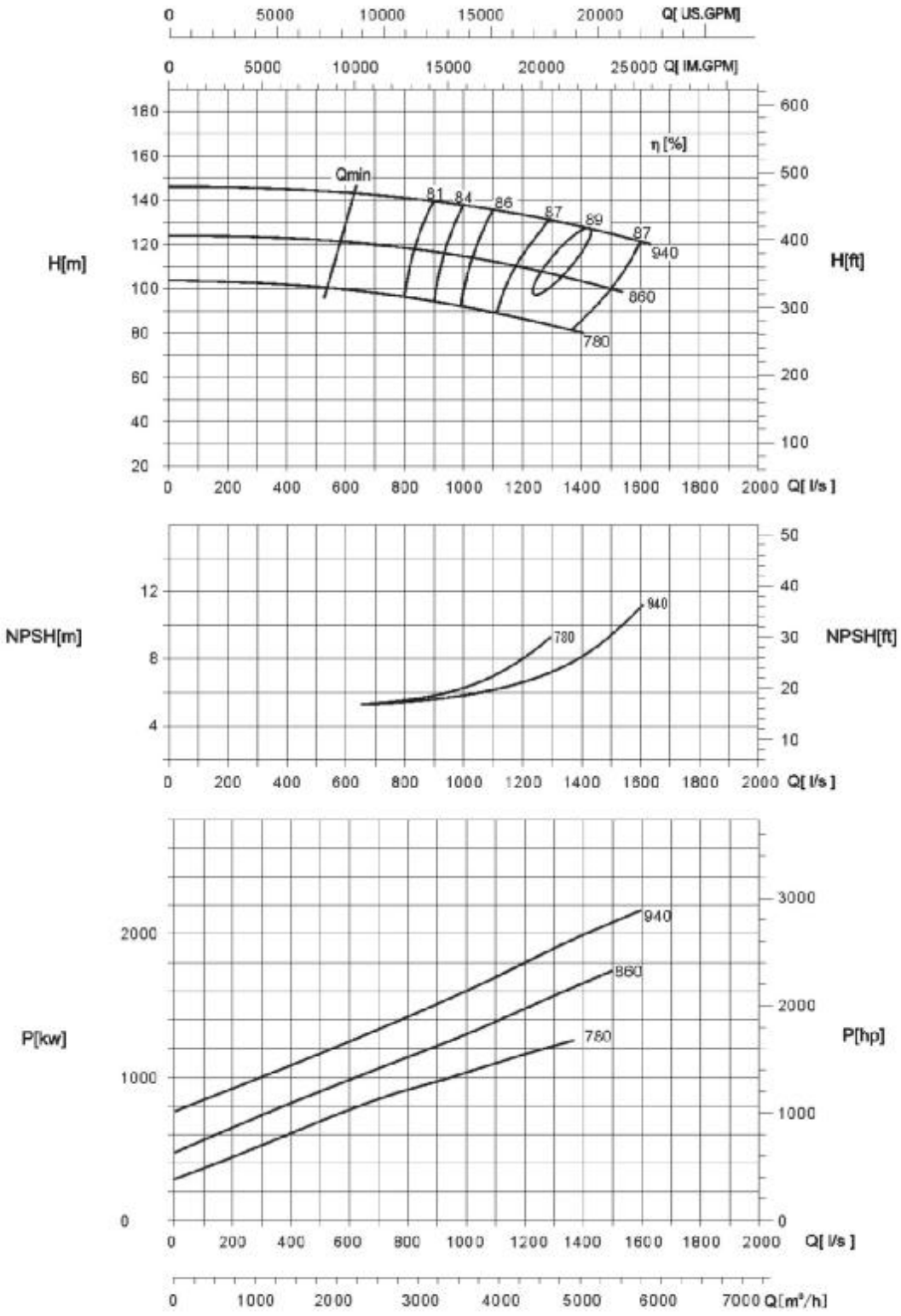
980 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 700–500–940

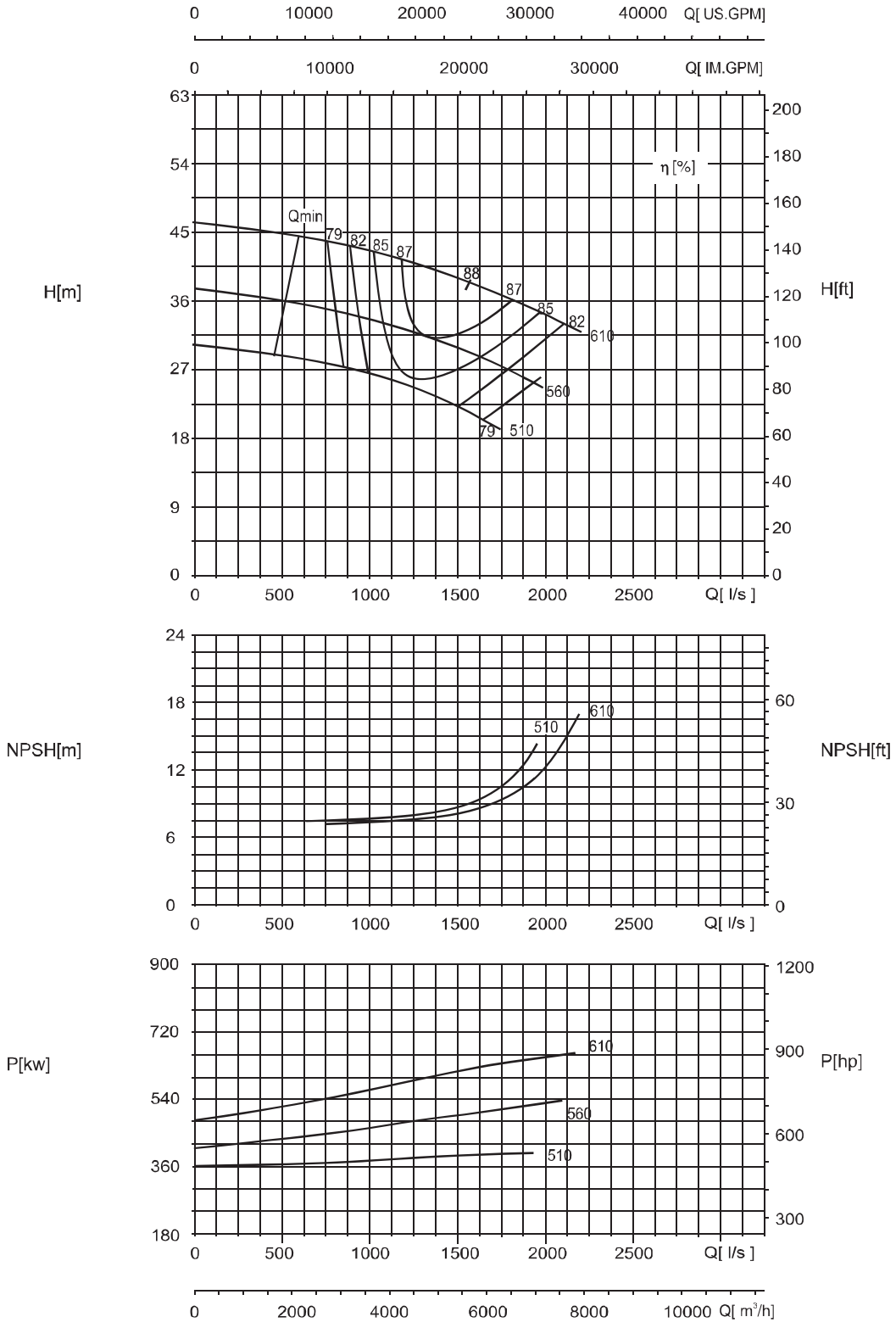
980 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 700–600–600

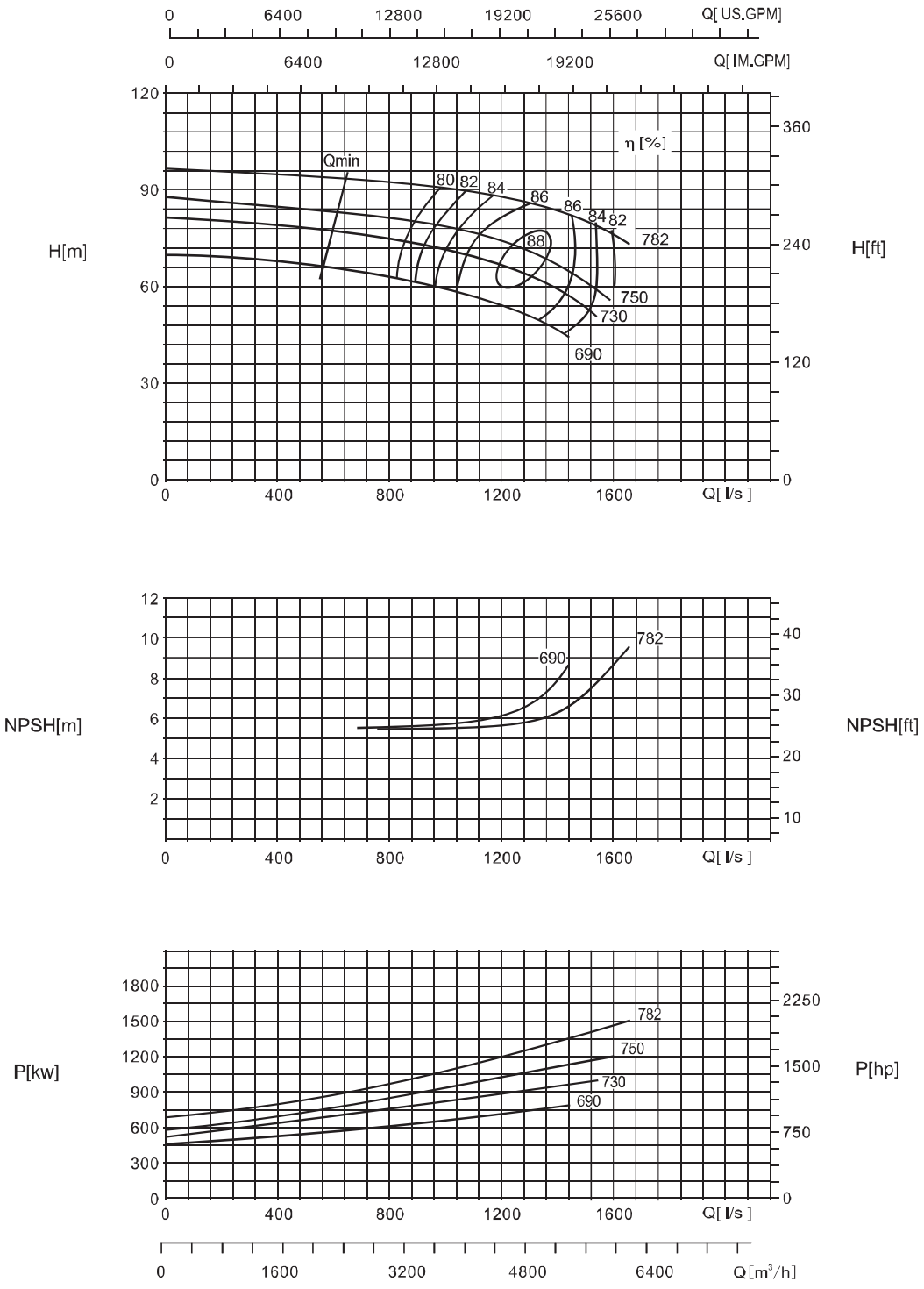
980 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 700–600–740

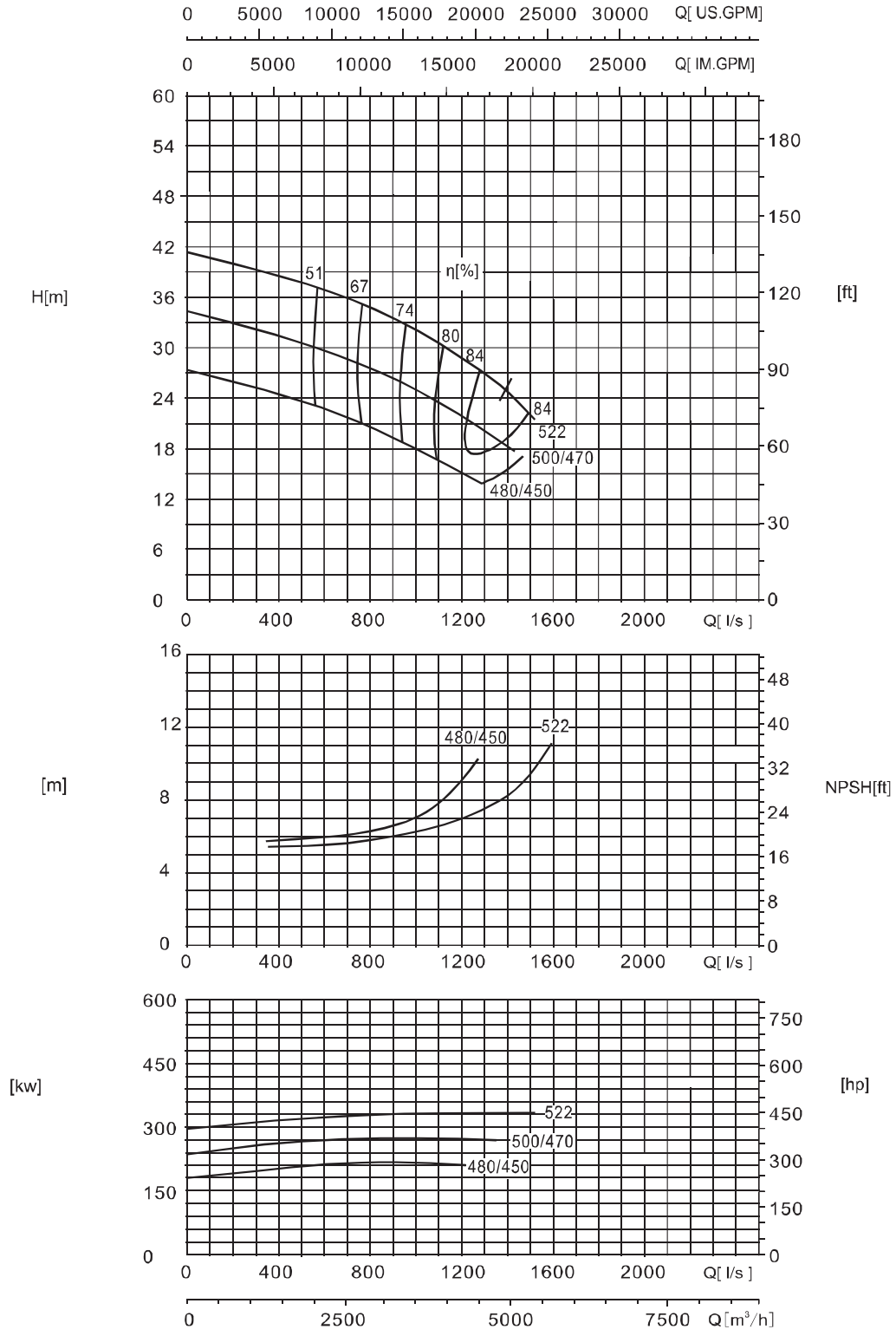
980 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 700-700-500

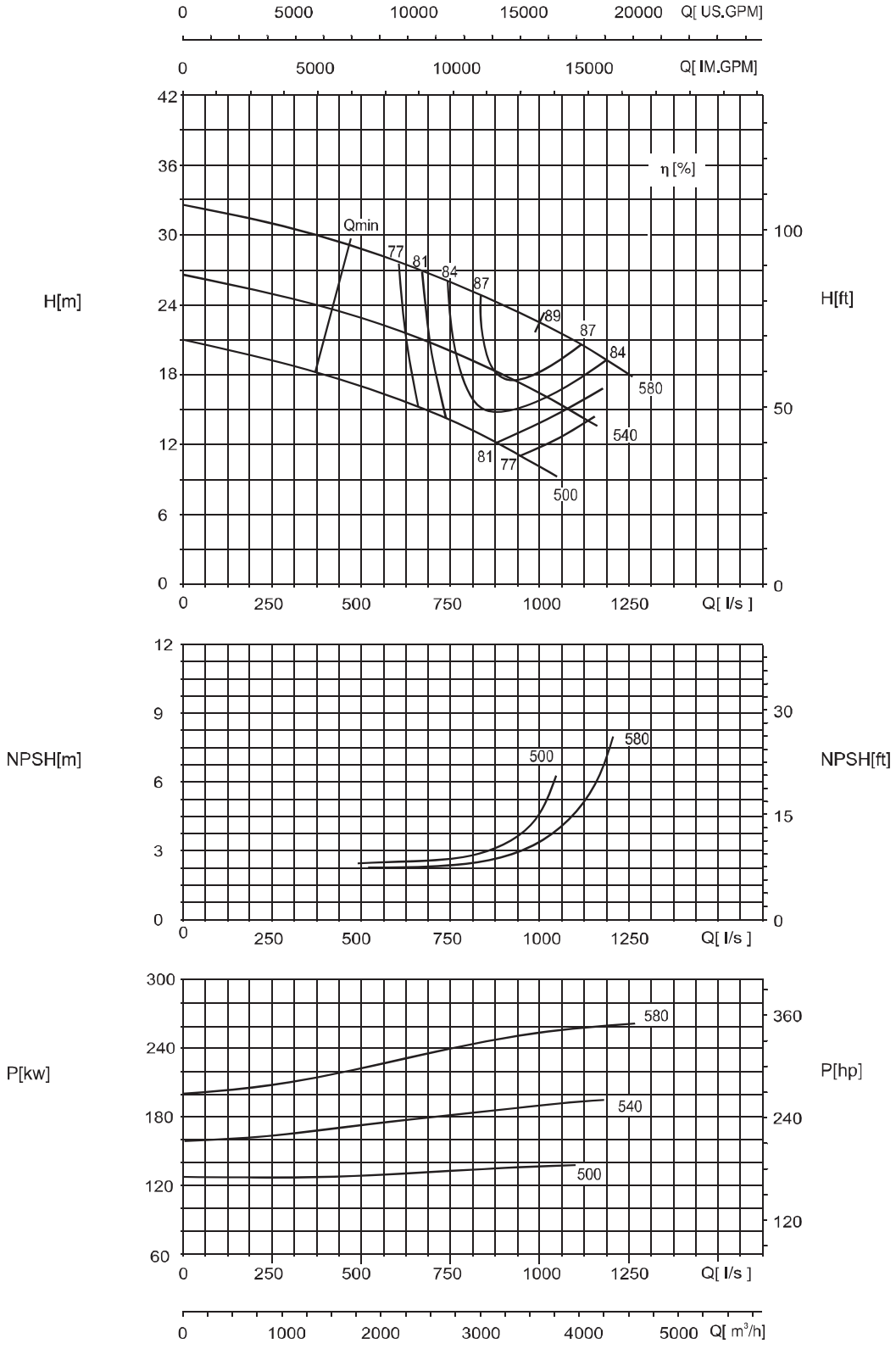
980 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 600–500–550/580

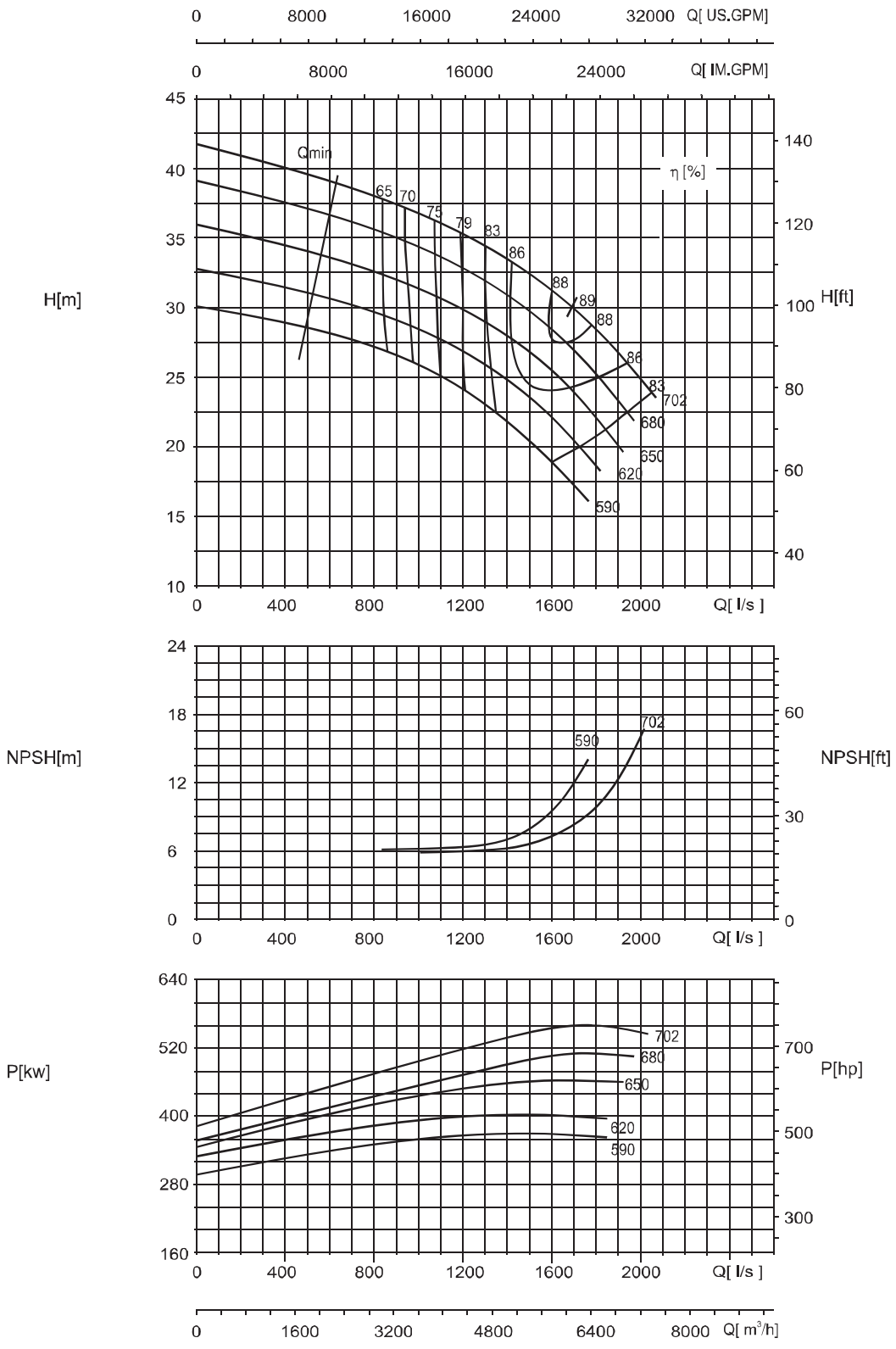
740 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 700–600–680

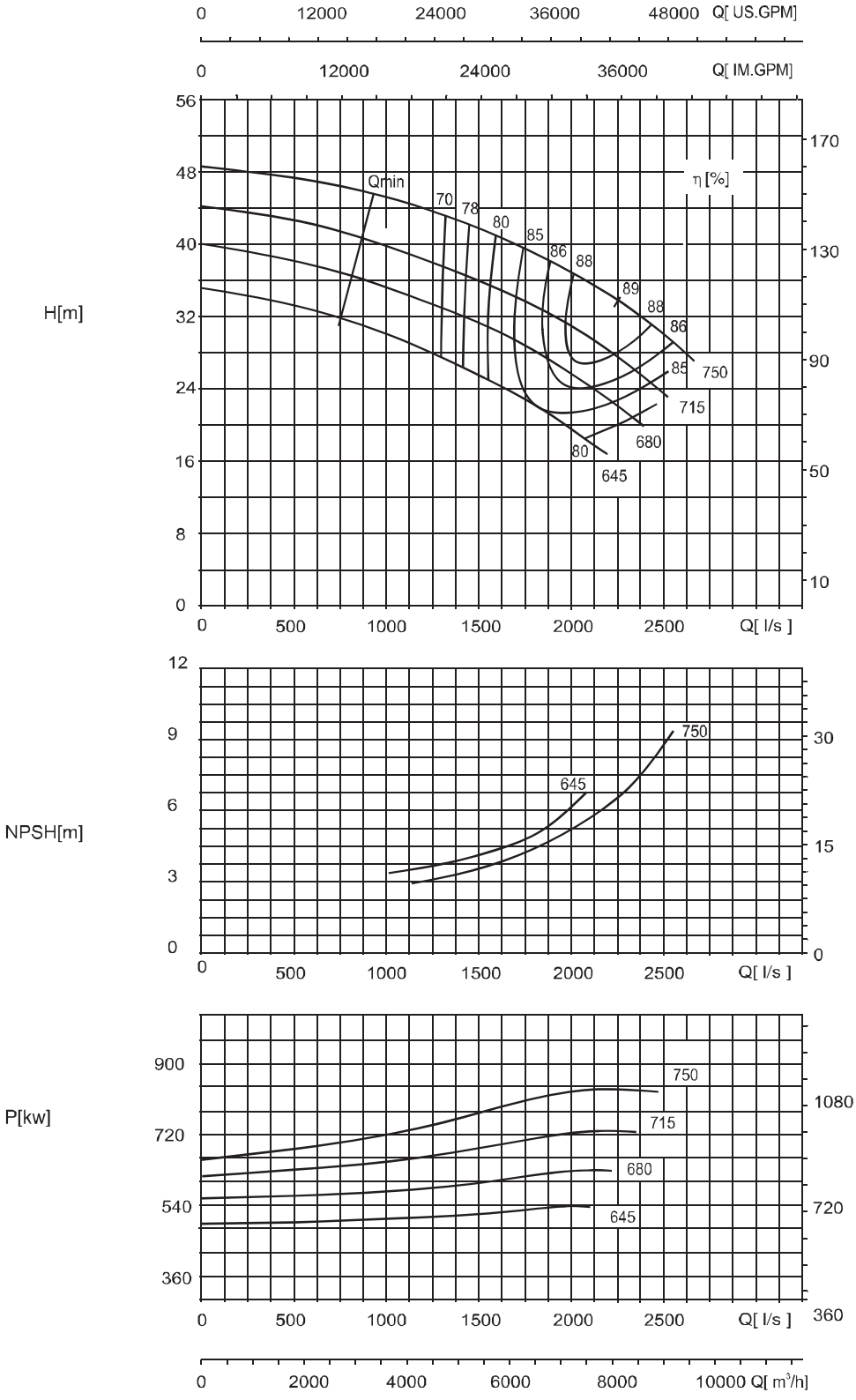
740 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

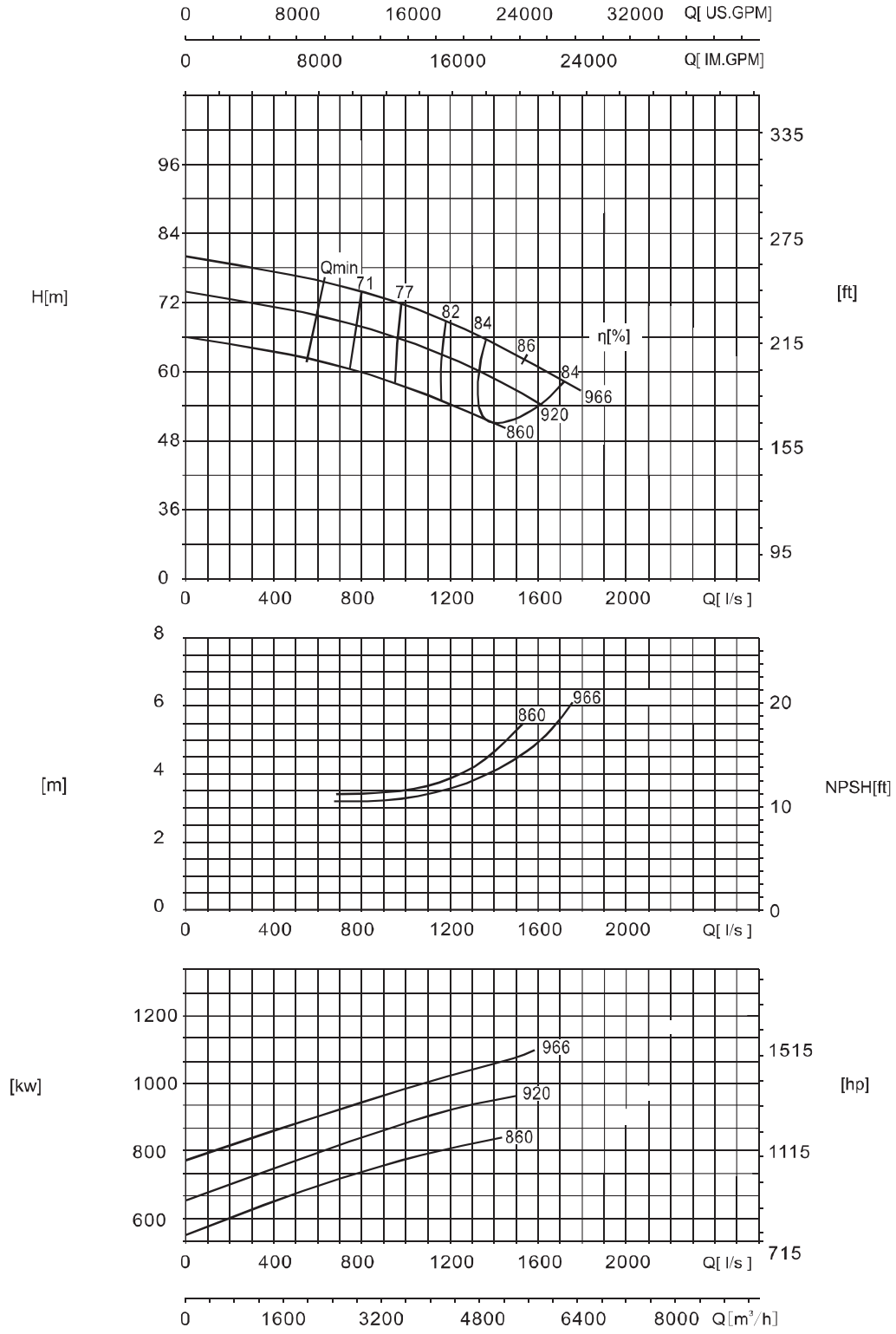
NSC 800–700–750

740 r/min



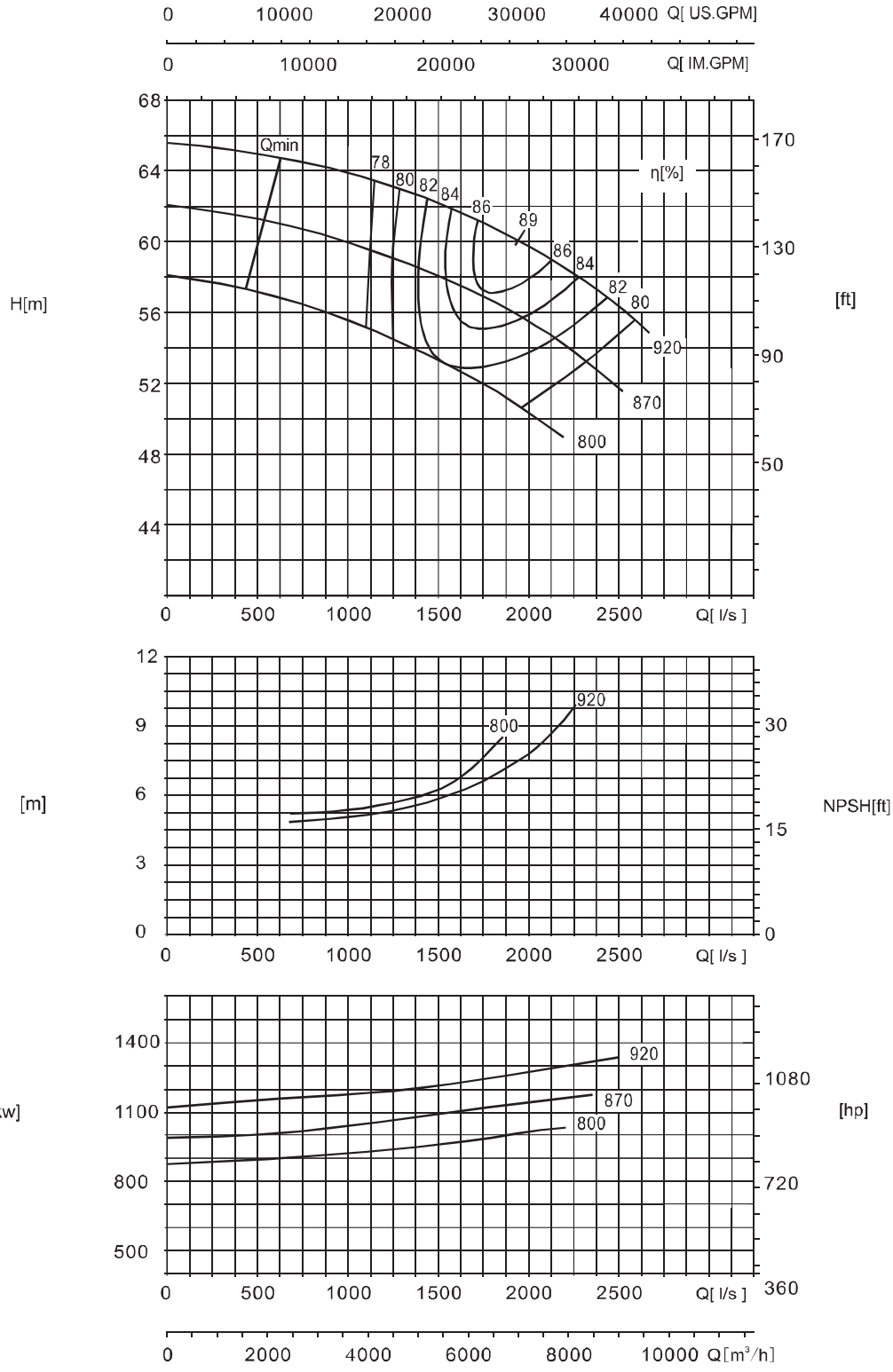
Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 800-700-910L （Low Cavitation Impeller） 740 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

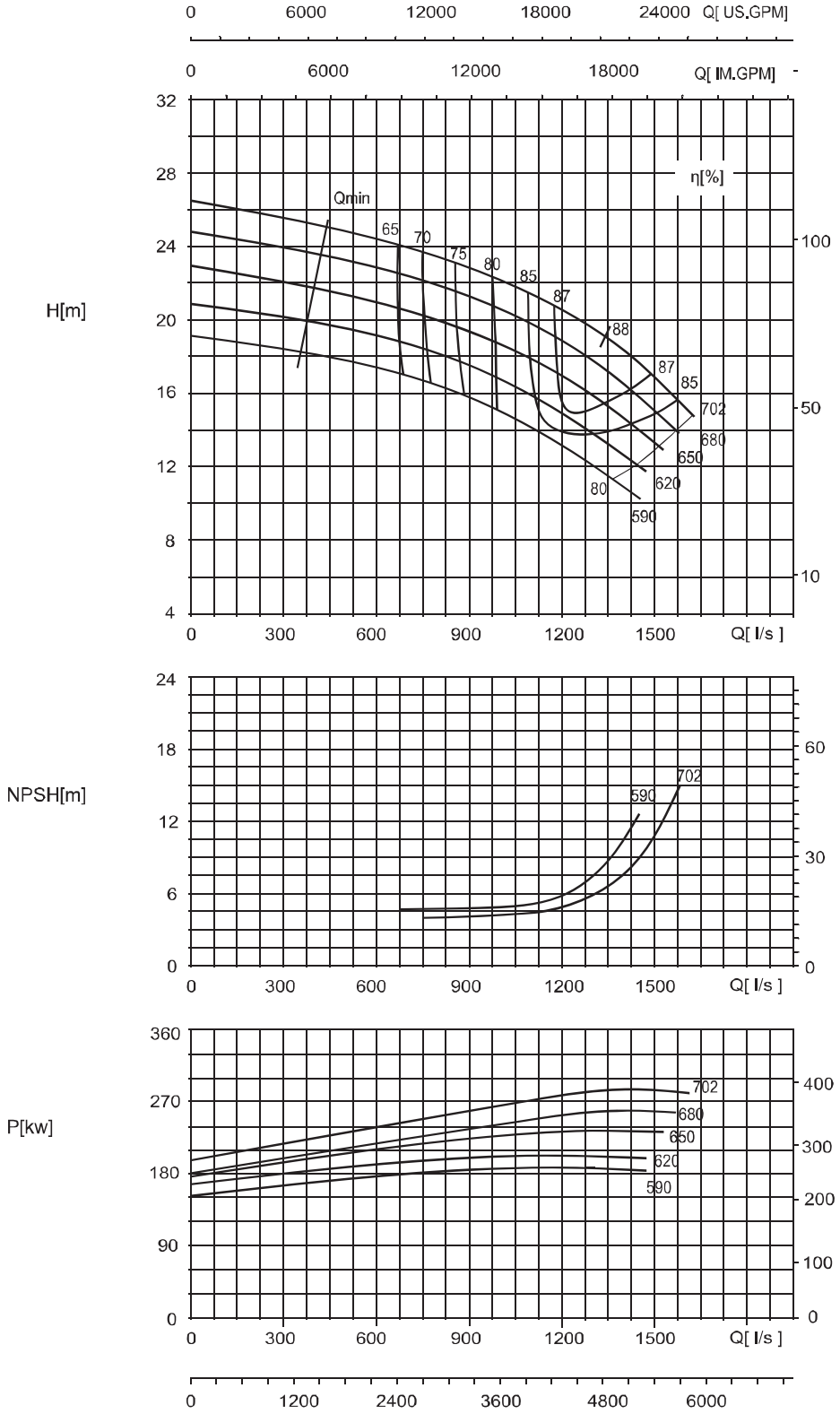
NSC 800-700-910H（High Efficiency Impeller） 740 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 700–600–680

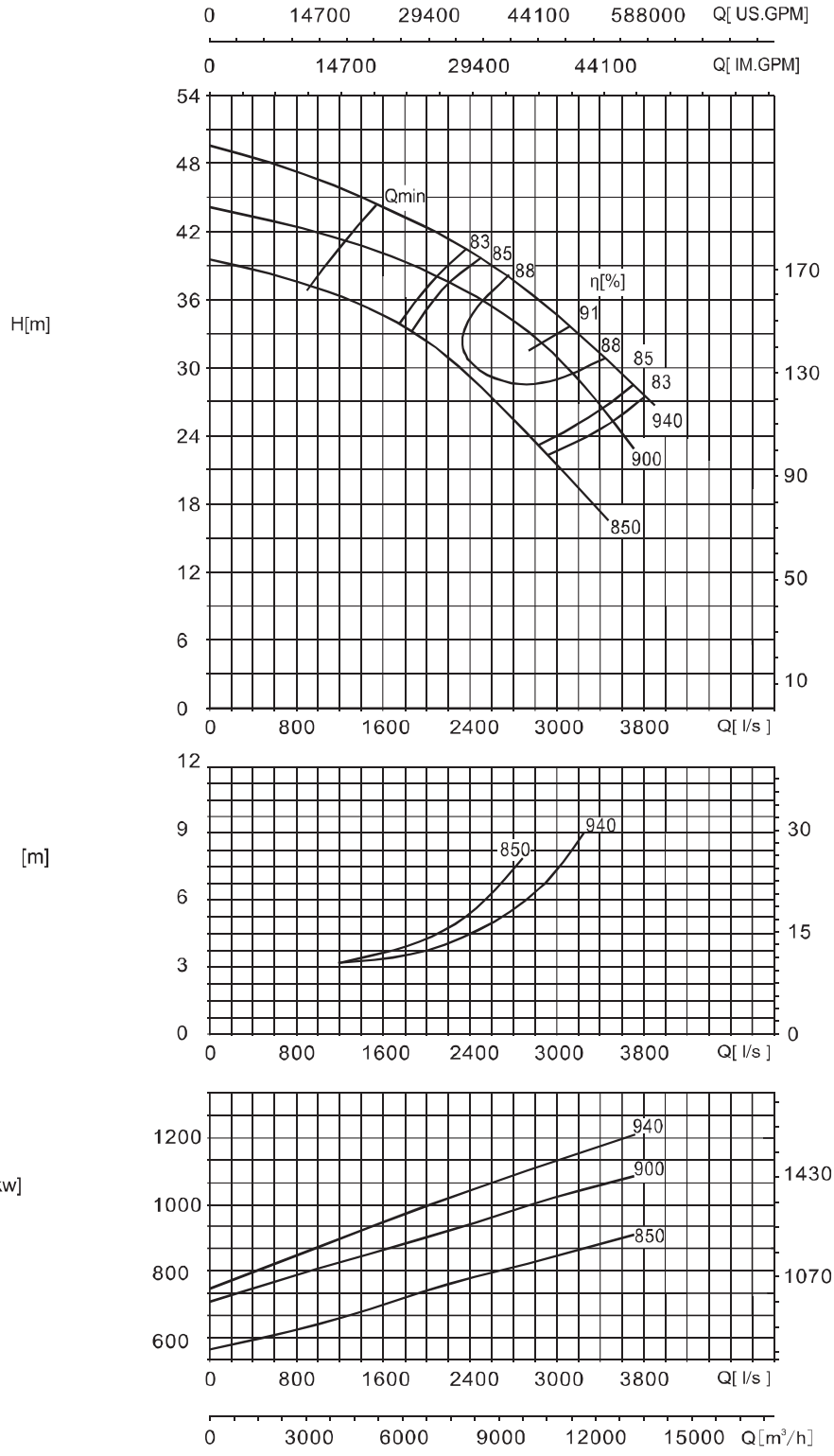
590 r/min



Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

NSC 1000-800-940

590 r/min

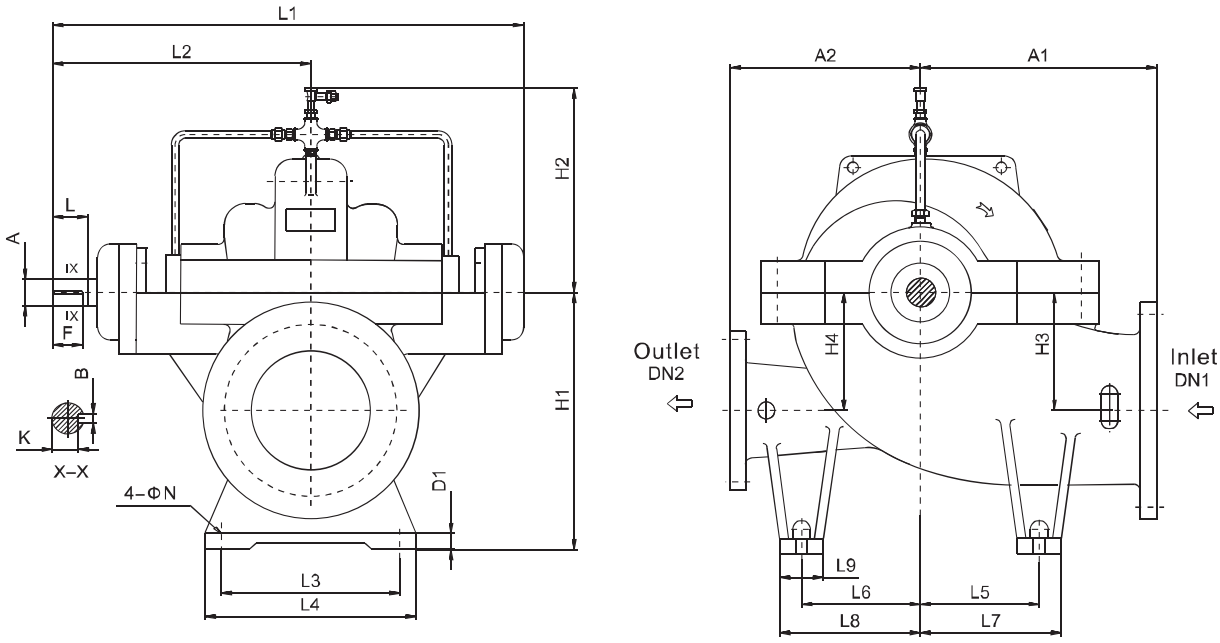


Head and power ratings apply to media with a density of ρ=1kg/dm³ and a kinetic viscosity of 20 mm²/s.

Dimensions

Bare Shaft Pump Dimensions

Direction of Rotation: Clockwise



Dimensions—Bare Shaft Pump (1/2)

Unit：mm, unless other wise stated

Model	A1	A2	H1	H2	H3	H4	L1	L2	L3	L4	L5	L6	L7	L8	L9	D1	N	A	L	B	K	F
NSC125-80-210	300	300	315	270	150	150	788.9	440.5	270	320	170	170	205	205	70	30	18	35	81.5	10	30	75
NSC125-80-270	300	300	315	269	150	150	788.9	440.5	270	320	170	170	205	205	70	30	18	35	81.5	10	30	75
NSC125-80-350	330	330	315	333	140	140	788.9	440.5	270	320	170	170	210	210	80	30	18	35	81.5	10	30	75
NSC150-100-250	330	330	355	328	170	170	788.9	440.5	270	320	200	200	240	240	80	30	18	35	81.5	10	30	75
NSC150-100-320	330	330	355	342	170	170	788.9	440.5	270	320	200	200	240	240	80	30	18	35	81.5	10	30	75
NSC150-100-400	370	370	355	260	170	170	788.9	440.5	270	320	200	200	245	245	90	30	18	35	81.5	10	30	75
NSC150-100-400G	370	370	355	260	170	170	788.9	440.5	270	320	200	200	245	245	90	30	18	40	105	12	35	100
NSC200-125-240	370	370	400	300	200	200	871	500	380	430	200	200	240	240	80	22	25	45	111.5	14	39.5	105
NSC200-125-300	370	370	400	325	200	200	871	500	380	430	225	225	265	265	80	22	25	45	111.5	14	39.5	105
NSC200-125-380	395	370	400	350	200	200	871	500	340	390	225	225	265	265	80	30	25	45	111.5	14	39.5	105
NSC200-125-480	450	450	400	389	200	200	871	500	340	390	280	280	320	320	80	30	25	45	111.5	14	39.5	105
NSC200-150-290	400	400	400	340	200	200	871	500	380	430	225	225	265	265	80	30	25	45	111.5	14	39.5	105
NSC200-150-360	400	400	400	380	200	200	871	500	380	430	225	225	265	265	80	30	25	45	111.5	14	39.5	105
NSC200-150-460	450	450	400	390	200	200	1006.1	569.3	430	480	280	280	320	320	80	30	25	55	112.7	16	49	100
NSC200-150-570	600	500	500	460	300	300	1006.1	569.3	430	480	350	350	400	400	100	30	25	55	112.7	16	49	100
NSC250-200-340	450	450	500	368	240	240	1006.1	569.3	430	480	280	280	320	320	80	25	25	55	112.7	16	49	100
NSC250-200-430	500	500	500	400	240	240	1006.1	569.3	430	480	280	280	325	325	90	30	25	55	112.7	16	49	100
NSC250-200-530	600	600	560	470	300	300	1110.8	637.3	430	480	350	350	400	400	100	30	25	65	143.2	18	58	135
NSC250-200-660	650	550	600	525	350	350	1110.8	637.3	440	520	350	350	400	400	100	30	25	65	143.2	18	58	135
NSC300-250-270	500	450	600	404	300	300	1006.1	569.3	430	480	300	270	340	310	80	30	25	55	112.7	16	49	100
NSC300-250-280	500	450	600	404	300	300	1006.1	569.3	430	480	300	270	340	310	80	30	25	55	112.7	16	49	100
NSC300-250-390	500	500	600	417	300	300	1110.8	637.3	430	480	350	350	400	400	100	42	25	65	143.2	18	58	135
NSC300-250-490	550	550	600	583	300	300	1316.5	737.5	520	600	350	350	400	400	100	35	25	75	143.5	20	67.5	135

Dimensions—Bare Shaft Pump (2/2)

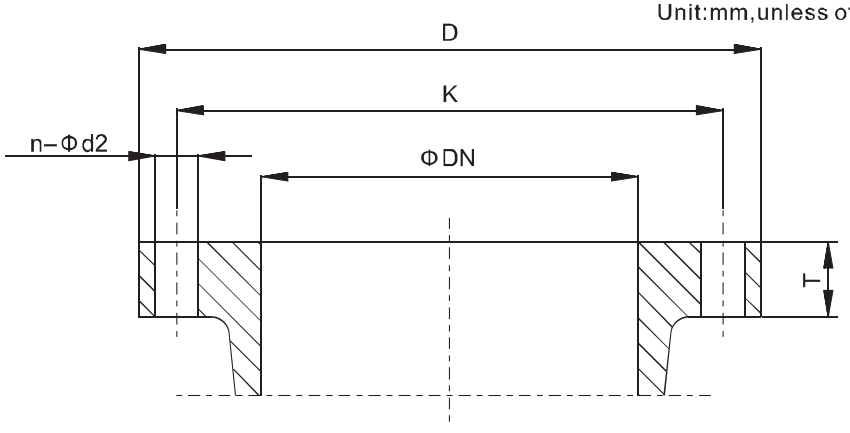
Unit: mm, unless other wise stated

Model	A1	A2	H1	H2	H3	H4	L1	L2	L3	L4	L5	L6	L7	L8	L9	D1	N	A	L	B	K	F
NSC300-250-610	650	550	630	640	350	350	1316.5	737.5	520	600	350	350	400	400	100	42	25	75	143.5	20	67.5	135
NSC300-250-780	700	600	750	600	400	400	1533	870	600	700	350	350	425	425	150	42	25	85	172.5	22	76	165
NSC350-300-310	600	520	630	465	300	300	1110.8	637.3	480	560	350	300	415	365	130	35	25	65	143.2	18	58	135
NSC350-300-330	600	520	630	465	300	300	1110.8	637.3	480	560	350	300	415	365	130	35	25	65	143.2	18	58	135
NSC350-300-400	630	560	630	450	320	320	1243	696	480	560	350	350	415	415	130	35	25	65	143.2	18	58	135
NSC400-300-450	650	550	700	590	350	350	1316.5	737.5	520	600	350	350	400	400	100	40	25	75	143.5	20	67.5	135
NSC400-300-570	750	650	710	530	350	350	1527	870	520	600	475	475	525	525	100	40	25	85	172.5	22	76	165
NSC400-300-700	700	650	750	530	400	400	1527	870	600	700	425	425	485	485	120	40	25	85	172.5	22	76	165
NSC400-350-360	670	570	670	513	350	350	1316.5	737.5	630	710	330	330	380	380	100	35	25	75	143.5	20	67.5	135
NSC400-350-380	670	570	670	513	350	350	1316.5	737.5	630	710	330	330	380	380	100	35	25	75	143.5	20	67.5	135
NSC400-350-520	700	650	750	535	400	400	1527	870	520	600	475	475	525	525	100	35	25	85	172.5	22	76	165
NSC450-450-350	700	550	700	520	370	370	1308.5	737.5	700	800	330	330	380	380	100	35	25	75	143.5	20	67.5	135
NSC500-300-920	900	900	850	615	400	400	1909	1088	780	940	500	500	620	620	240	40	42	115	210	32	104	180
NSC500-300-780	800	750	800	535	400	400	1900	1055	580	740	450	450	570	570	240	45	35	115	210	30	104	180
NSC500-400-400	765	600	785	537	420	400	1438.5	821.5	560	640	400	400	460	460	120	35	30	75	143.5	20	67.5	135
NSC500-400-420	765	600	785	537	420	400	1438.5	821.5	560	640	400	400	460	460	120	35	30	75	143.5	20	67.5	135
NSC500-400-540	700	700	820	600	420	420	1773	1009	780	940	400	400	520	520	240	40	35	100	210	28	90	180
NSC500-400-590	900	750	850	700	470	470	1527	870	780	940	400	400	520	520	240	40	35	85	172.5	22	76	165
NSC500-400-660	850	750	850	641	450	450	1773	1000	780	940	500	400	620	520	240	40	35	100	210	28	90	180
NSC500-400-675	850	750	850	641	450	450	1527	870	780	940	500	400	620	520	240	40	35	85	172.5	22	76	165
NSC600-400-740	990	800	1000	697	530	530	1773	1009	780	940	580	460	680	580	240	40	35	100	210	28	90	180
NSC600-400-850	1030	880	1000	600	500	500	2009	1138	880	1060	600	600	730	730	260	50	42	115	210	32	104	180
NSC600-450-840	1000	800	970	690	510	510	1773	1009	780	940	525	525	650	650	250	50	42	100	210	28	90	180
NSC600-500-470	1020	740	970	737	550	525	1790	984	780	940	360	360	480	480	240	40	35	95	170	25	71	130
NSC600-500-520	1020	740	970	737	550	525	1790	984	780	940	360	360	480	480	240	40	35	95	170	25	71	130
NSC600-500-550	1020	740	970	737	550	525	1790	984	780	940	360	360	480	480	240	40	35	80	142	22	71	130
NSC600-500-580	1020	740	970	737	550	525	1790	984	780	940	360	360	480	480	240	40	35	80	142	22	71	130
NSC700-500-670	1050	950	1035	725	550	550	1773	1009	780	940	625	525	750	650	250	50	42	100	210	28	90	180
NSC700-500-940	1050	950	1150	695	650	650	2308	1225	980	1100	700	600	810	710	220	50	42	130	250	32	119	245
NSC700-600-600	1050	850	1100	800	610	610	1935	1090	780	940	725	575	850	700	250	50	42	100	210	28	90	180
NSC700-600-680	1150	850	1100	800	610	610	1935	1090	780	940	725	575	850	700	250	50	42	100	210	28	90	180
NSC700-600-740	1160	1100	1070	725	570	570	1909	1088	880	1060	630	630	760	760	260	50	42	115	210	32	104	180
NSC700-700-500	1000	800	1000	640	530	530	1730	960	940	1100	625	425	750	550	2500	50	42	85	170	22	76	165
NSC800-700-750	1315	1250	1250	870	710	680	2310	1278	1000	1250	725	725	875	875	300	60	42	120	210	32	109	200
NSC800-700-910	1150	1150	1250	890	700	700	2318	1278	1000	1200	725	725	875	875	300	50	42	130	250	32	119	245
NSC1000-800-940	1450	1200	1500	1060	810	810	2700	1480	1250	1400	850	850	1000	1000	300	60	50	130	250	32	119	245

Note: If require for the dimension of pump which is not shown in the above table, pls contact with CNP.

Standard Flange Dimensions

Unit:mm,unless other wise stated



Note:Other flange designs are available on request

Dimensions—Flange

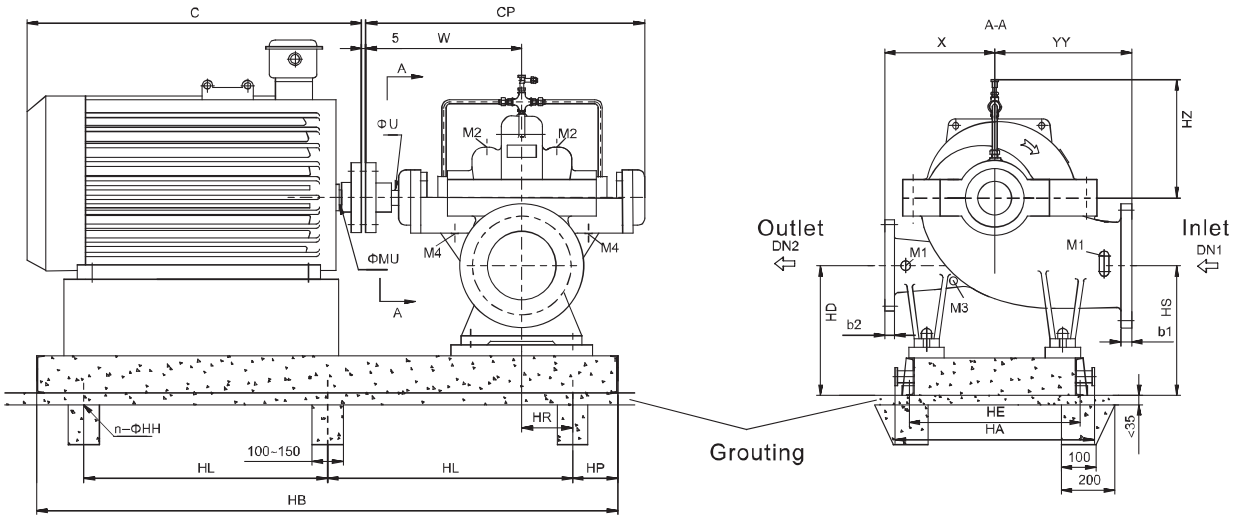
Model	ISO 7025/2 DIN2501	Suction flange						Discharge flange					
		DN	D(mm)	T(mm)	K(mm)	d2(mm)	n	DN	D(mm)	T(mm)	K(mm)	d2(mm)	n
NSC125-80-210 NSC125-80-270 NSC125-80-350	PN16	125	250	26	210	19	8	80	200	22	160	19	8
NSC150-100-250 NSC150-100-320 NSC150-100-400	PN16	150	285	26	240	23	8	100	220	24	180	19	8
NSC150-100-400G	PN40	150	300	26	250	28	8	100	235	19	190	23	8
NSC200-125-240 NSC200-125-300 NSC200-125-380 NSC200-125-480	PN16	200	340	30	295	23	12	125	250	26	210	19	8
NSC200-150-290 NSC200-150-360 NSC200-150-460	PN16	200	340	30	295	23	12	150	285	26	240	23	8
NSC200-150-570	PN25	200	360	34	310	28	12	150	300	34	250	28	8
NSC250-200-340 NSC250-200-430 NSC250-200-530	PN16	250	405	32	355	28	12	200	340	30	295	23	12
NSC250-200-660	PN25	250	425	36	370	31	12	200	360	34	310	28	12
NSC300-250-270 NSC300-250-280 NSC300-250-390 NSC300-250-490 NSC300-250-610	PN16	300	460	32	410	28	12	250	405	32	355	28	12
NSC300-250-780	PN40	300	515	50	450	34	16	250	450	46	385	34	12
NSC350-300-310 NSC350-300-330 NSC350-300-400	PN16	350	520	36	470	28	16	300	460	32	410	28	12
NSC400-300-450 NSC400-300-570	PN16	400	580	38	525	31	16	300	460	32	410	28	12
NSC400-300-700	PN25	400	620	48	550	37	16	300	485	40	430	31	16
NSC400-350-360 NSC400-350-380 NSC400-350-520	PN16	400	580	38	525	31	16	350	520	36	470	28	16
NSC450-450-350	PN10	450	615	35	565	28	20	450	615	35	565	28	20
NSC500-400-400 NSC500-400-420	PN10	500	670	34	620	28	20	400	565	32	515	28	16
NSC500-300-780	PN40	500	755	64	670	42	20	300	515	50	450	33	16
NSC500-300-920	PN25	500	730	56	660	36	20	300	485	38	430	30	16
NSC500-400-590 NSC500-400-675	PN10	500	670	34	620	28	20	400	565	32	515	28	16
NSC500-400-500 NSC500-400-540	PN16	500	715	42	650	34	20	400	580	38	525	31	16
NSC500-400-660	PN25	500	730	52	660	37	20	400	620	48	550	37	16
NSC600-500-470 NSC600-500-520 NSC600-500-550 NSC600-500-580	PN10	600	780	36	725	31	20	500	670	34	620	28	20
NSC600-400-740	PN16	600	840	48	770	37	20	400	580	38	525	31	16
NSC700-500-670	PN10	700	895	40	840	31	24	500	670	34	620	28	20
NSC700-500-940	PN25	700	960	60	875	43	24	500	730	52	660	37	20
NSC700-600-600 NSC700-600-680	PN10	700	895	40	840	31	24	600	780	36	725	31	20
NSC700-600-740	PN16	700	910	54	840	36	24	600	840	48	770	37	20
NSC700-700-500	PN10	700	895	40	840	31	24	700	895	40	840	31	24
NSC800-700-750	PN10	800	1015	44	950	34	24	700	895	40	840	31	24
NSC800-700-910	PN16	800	1015	44	950	34	24	700	910	54	840	36	24
NSC1000-800-940	PN10	1000	1230	50	1160	36	28	800	1015	44	950	34	24

Note: If require flange which is in accordance with BS4504，ANSI B16.1 or other standards, pls specify.
If require for the dimension of pump which is not shown in the above table, pls contact with CNP.

Horizontal NSC Pump with Motor Dimensions (Standard)

Unit: mm, unless other wise stated

Direction of Rotation:Clockwise



After alignment fill baseplate with non-shrinking concrete Position of the terminal box is in accordance with the motor standard

Connect pipes without stress

Connections

M1:Pressure gauge G1/2 M2:Vent G1/2 M3:Drainage G1/2 M4:Leakage liquid drain G3/4

Dimensions—Horizontal Arrangement (1/5)

Unit: mm, unless other wise stated

Model	Speed (r/min)	Power (KW)	Motor Size	Pump						Motor		Baseplate									Weight (Kg)			
				CP	U	W	YY	X	HZ	C	MU	HB	HP	HL	HD/HS	HA	HE	n	HH	HR	Pump	Motor	Baseplate	Total
NSC125-80-210	1480	1.5	90L	788.9	35	440.5	300	300	270	340	24	930	120	340	305	570	470	6	20	80	180	27	105	312
		3	100L							380	28	960	120	360	305	570	470	6	20	80	180	33	105	318
		4	112M							400	28	970	120	360	305	570	470	6	20	80	180	45	110	335
		5.5	132S							475	38	1020	120	390	305	570	470	6	20	80	180	61	110	351
	2980	15	160M							605	42	1140	120	450	305	570	470	6	20	80	180	106	120	406
		18.5	160L							605	42	1180	120	470	305	570	470	6	20	80	180	125	125	430
		22	180M							670	48	1190	120	470	305	570	470	6	20	80	180	152	120	452
		37	200L							775	55	1270	120	510	305	570	470	6	20	80	180	245	125	550
		45	225M							815	55	1290	120	520	305	570	470	6	20	80	180	307	125	612
NSC125-80-270	1480	3	100L	788.9	35	440.5	300	300	269	380	28	960	120	360	305	570	470	6	20	80	185	33	100	317
		4	112M							400	28	970	120	360	305	570	470	6	20	80	185	45	102	331
		5.5	132S							475	38	1020	120	390	305	570	470	6	20	80	185	61	104	349
		7.5	132M							515	38	1060	120	410	305	570	470	6	20	80	185	73	108	365
		11	160M							605	42	1140	120	450	305	570	470	6	20	80	185	103	111	398
		15	160L							650	42	1180	120	470	305	570	470	6	20	80	185	130	116	430
	2980	22	180M							670	48	1190	120	470	305	570	470	6	20	80	185	152	113	449
		37	200L							775	55	1270	120	510	305	570	470	6	20	80	185	245	117	546
		45	225M							815	55	1290	120	520	305	570	470	6	20	80	185	307	115	606
		55	250M							930	60	1390	120	570	305	600	500	6	20	80	185	378	120	682
		75	280S							1000	65	1460	120	610	305	670	540	6	20	80	185	550	129	863
		90	280M							1050	65	1510	120	630	305	670	540	6	20	80	185	570	133	887

Note: Dimensions and weight deviations subject to selected motor manufacturer are to be considered.

Horizontal Arrangement Dimensions (2/5)

Unit: mm, unless other wise stated

Model	Speed (r/min)	Power (KW)	Motor Size	Pump						Motor		Baseplate									Weight (Kg)			
				CP	U	W	YY	X	HZ	C	MU	HB	HP	HL	HD/HS	HA	HE	n	HH	HR	Pump	Motor	Baseplate	Total
NSC125-80-350	1480	5.5	132S	788.9	35	440.5	330	330	333	475	38	1020	120	390	315	570	470	6	20	80	205	61	106	373
		7.5	132M							515	38	1060	120	410	315	570	470	6	20	80	205	73	109	388
		11	160M							605	42	1140	120	450	315	570	470	6	20	80	205	103	112	421
		15	160L							650	42	1180	120	470	315	570	470	6	20	80	205	130	117	453
		18.5	180M							670	48	1190	120	470	315	570	470	6	20	80	205	165	114	485
		22	180L							710	48	1240	120	500	315	570	470	6	20	80	205	180	117	503
NSC150-100-250	1480	3	100L	788.9	35	440.5	330	330	328	380	28	960	120	360	325	600	500	6	20	80	220	33	106	357
		4	112M							400	28	970	120	360	325	600	500	6	20	80	220	45	108	371
		5.5	132S							475	38	1020	120	390	325	600	500	6	20	80	220	61	111	390
		7.5	132M							515	38	1060	120	410	325	600	500	6	20	80	220	73	115	406
		11	160M							605	42	1140	120	450	325	600	500	6	20	80	220	103	120	441
		15	160L							650	42	1180	120	470	325	600	500	6	20	80	220	130	125	473
	2980	22	180M							670	48	1190	120	470	325	600	500	6	20	80	220	152	122	492
		37	200L							775	55	1270	120	510	325	600	500	6	20	80	220	245	127	590
		45	225M							815	55	1290	120	520	325	600	500	6	20	80	220	307	126	651
		55	250M							930	60	1390	120	570	325	600	500	6	20	80	220	378	132	728
		75	280S							1000	65	1460	120	610	325	670	540	6	20	80	220	550	131	899
		90	280M							1050	65	1510	120	630	325	670	540	6	20	80	220	570	136	924
		110	315S							1240	65	1550	120	650	325	790	690	6	20	80	220	740	156	1114
NSC150-100-320	1480	7.5	132M	788.9	35	440.5	330	330	342	515	38	1060	120	410	325	600	500	6	20	80	235	73	115	418
		11	160M							605	42	1140	120	450	325	600	500	6	20	80	235	103	120	453
		15	160L							650	42	1180	120	470	325	600	500	6	20	80	235	130	125	485
		18.5	180M							670	48	1190	120	470	325	600	500	6	20	80	235	165	122	517
		22	180L							710	48	1270	120	510	325	600	500	6	20	80	235	180	126	536
		30	200L							775	55	1290	120	520	325	600	500	6	20	80	235	238	127	595
	2980	55	250M							930	60	1390	120	570	325	600	500	6	20	80	235	378	132	740
		75	280S							1000	65	1460	120	610	325	670	540	6	20	80	235	550	131	911
		90	280M							1050	65	1510	120	630	325	670	540	6	20	80	235	570	136	936
		110	315S							1240	65	1550	120	650	325	790	690	6	20	80	235	740	155	1125
		132	315M							1310	65	1630	120	690	325	790	690	6	20	80	235	855	166	1251
		200	315L							1310	65	1650	120	700	325	790	690	6	20	80	235	970	166	1366
NSC150-100-400	1480	11	160M	788.9	35	440.5	370	370	260	605	42	1140	120	450	325	600	500	6	20	80	245	103	121	462
		15	160L							650	42	1180	120	470	325	600	500	6	20	80	245	130	126	494
		18.5	180M							670	48	1190	120	470	325	600	500	6	20	80	245	165	123	526
		195	180L							710	48	1240	120	500	325	600	500	6	20	80	245	180	127	545
		30	200L							775	55	1270	120	510	325	600	500	6	20	80	245	238	128	604
		37	225S							820	60	1300	120	530	325	600	500	6	20	80	245	298	125	661
		45	225M							847	60	1320	120	520	325	600	500	6	20	80	245	322	127	687
		55	250M							930	65	1390	120	570	325	600	500	6	20	80	245	410	133	781
NSC200-125-240	1480	5.5	132S	871	45	500	370	370	300	475	38	1140	150	420	360	600	500	6	20	110	295	61	128	483
		7.5	132M							515	38	1180	150	440	360	600	500	6	20	110	295	73	132	499
		11	160M							605	42	1260	150	480	360	600	500	6	20	110	295	103	138	535
		15	160L							650	42	1300	150	500	360	600	500	6	20	110	295	130	144	568
		18.5	180M							670	48	1310	150	500	360	600	500	6	20	110	295	165	141	600
		22	180L							710	48	1360	150	530	360	600	500	6	20	110	295	180	146	620
	2980	45	225M							815	55	1410	150	550	360	600	500	6	20	110	295	307	149	750
		55	250M							930	60	1510	150	600	360	600	500	6	20	110	295	378	156	828
		75	280S							1000	65	1580	150	640	360	670	540	6	20	110	295	550	163	1007
		90	280M							1050	65	1630	150	660	360	670	540	6	20	110	295	570	169	1033
		110	315S							1240	65	1660	150	680	360	790	690	6	20	110	295	740	185	1219
		132	315M							1310	65	1750	150	720	360	790	690	6	20	110	295	855	197	1346
NSC200-125-300	1480	7.5	132M	871	45	500	370	370	325	515	38	1180	150	440	360	680	580	6	20	110	310	73	135	520
		11	160M							605	42	1260	150	480	360	680	580	6	20	110	310	103	142	557
		15	160L							650	42	1300	150	500	360	680	580	6	20	110	310	130	147	589
		18.5	180M							670	48	1310	150	500	360	680	580	6	20	110	310	165	145	622
		22	180L							710	48	1360	150	530	360	680	580	6	20	110	310	180	150	642
		30	200L							775	55	1390	150	540	360	680	580	6	20	110	310	238	150	700
		37	225S							820	60	1420	150	560	360	680	580	6	20	110	310	298	147	757
	2980	55	250M							930	60	1510	150	600	360	680	580	6	20	110	310	378	163	853
		75	280S							1000	65	1580	150	640	360	680	580	6	20	110	310	550	163	1025
		90	280M							1050	65	1630	150	660	360	680	580	6	20	110	310	570	169	1051
		110	315S							1240	65	1660	150	680	360	790	690	6	20	110	310	740	185	1237
		132	315M							1310	65	1750	150	720	360	790	690	6	20	110	310	855	197	1364
		200	315L							1310	65	1770	150	730	360	790	690	6	20	110	310	1080	197	1589

Note: Dimensions and weight deviations subject to selected motor manufacturer are to be considered.

Horizontal Arrangement Dimensions (3/5)

Unit: mm, unless other wise stated

Model	Speed (r/min)	Power (KW)	Motor Size	Pump						Motor		Baseplate									Weight (Kg)			
				CP	U	W	YY	X	HZ	C	MU	HB	HP	HL	HD/HS	HA	HE	n	HH	HR	Pump	Motor	Baseplate	Total
NSC200-125-380	1480	15	160L	871	45	500	395	370	350	650	42	1290	150	490	360	670	540	6	20	95	350	130	152	632
		18.5	180M							670	48	1290	150	490	360	670	540	6	20	95	350	165	149	664
		22	180L							710	48	1340	150	520	360	670	540	6	20	95	350	180	154	684
		30	200L							775	55	1370	150	530	360	670	540	6	20	95	350	238	155	743
		37	225S							820	60	1400	150	550	360	670	540	6	20	95	350	298	152	800
		45	225M							845	60	1430	150	560	360	670	540	6	20	95	350	322	154	826
		55	250M							930	65	1500	150	600	360	670	540	6	20	95	350	410	162	922
		75	280S							1000	75	1560	150	630	360	670	540	6	20	95	350	555	169	1074
NSC200-125-480	1480	30	200L	871	45	500	450	450	389	775	55	1370	150	530	360	790	690	6	20	95	390	238	161	789
		37	225S							820	60	1400	150	550	360	790	690	6	20	95	390	298	158	846
		45	225M							845	60	1430	150	560	360	790	690	6	20	95	390	322	160	872
		55	250M							930	65	1500	150	600	360	790	690	6	20	95	390	410	168	968
		75	280S							1000	75	1560	150	630	360	790	690	6	20	95	390	555	176	1121
		90	280M							1050	75	1620	150	660	360	790	690	6	20	95	390	610	182	1182
		110	315S							1270	80	1680	150	690	360	790	690	6	20	95	390	750	192	1332
		132	315M							1340	80	1730	150	710	360	790	690	6	20	95	390	875	204	1469
NSC200-150-290	1480	11	160M	871	45	500	400	400	340	605	42	1260	150	480	360	680	580	6	20	110	330	103	150	583
		15	160L							650	42	1300	150	500	360	680	580	6	20	110	330	130	150	610
		18.5	180M							670	48	1310	150	500	360	680	580	6	20	110	330	165	160	655
		22	180L							710	48	1360	150	530	360	680	580	6	20	110	330	180	160	670
		30	200L							775	55	1390	150	540	360	680	580	6	20	110	330	238	170	738
		37	225S							820	60	1420	150	560	360	680	580	6	20	110	330	298	170	798
		45	225M							930	60	1440	150	570	360	680	580	6	20	110	330	322	170	822
NSC200-150-360	1480	18.5	180M	871	45	500	400	400	380	670	48	1310	150	500	360	670	540	6	20	110	365	165	160	675
		22	180L							710	48	1360	150	530	360	670	540	6	20	110	365	180	160	690
		30	200L							775	55	1390	150	540	360	670	540	6	20	110	365	238	170	758
		37	225S							820	60	1420	150	560	360	670	540	6	20	110	365	298	170	818
		45	225M							930	60	1440	150	570	360	670	540	6	20	110	365	322	170	842
		55	250M							930	65	1510	150	600	360	670	540	6	20	110	365	410	175	935
		75	280S							1000	75	1580	150	640	360	670	540	6	20	110	365	555	185	1090
NSC200-150-460	1480	30	200L	1006.1	55	569.3	450	450	390	775	55	1490	150	590	360	770	650	6	25	140	460	238	220	918
		37	225S							820	60	1520	150	610	360	770	650	6	25	140	460	298	230	988
		45	225M							930	60	1540	150	620	360	770	650	6	25	140	460	322	230	1012
		55	250M							930	65	1610	150	650	360	770	650	6	25	140	460	410	235	1105
		75	280S							1000	75	1680	150	690	360	770	650	6	25	140	460	555	250	1265
		90	280M							1050	75	1730	150	710	360	770	650	6	25	140	460	610	255	1325
		110	315S							1270	80	1790	150	740	360	770	650	6	25	140	460	750	280	1490
		132	315M							1340	80	1850	150	770	360	770	650	6	25	140	460	875	280	1615
		200	315L							1340	80	1900	150	800	360	820	700	6	25	140	460	960	280	1700
NSC200-150-570	1480	55	250M	1006.1	55	569.3	600	500	460	930	65	1610	150	650	360	960	840	6	25	140	670	410	260	1338
		75	280S							1000	75	1680	150	690	360	960	840	6	25	140	670	555	285	1508
		90	280M							1050	75	1730	150	710	360	960	840	6	25	140	670	610	285	1563
		110	315S							1270	80	1790	150	740	360	960	840	6	25	140	670	750	300	1718
		132	315M							1340	80	1850	150	770	360	960	840	6	25	140	670	875	320	1863
		200	315L							1340	80	1900	150	800	360	960	840	6	25	140	670	960	340	1968
		280	335(6KV)							1690	100	2590	150	760	380	960	840	8	25	140	670	1730	480	2878
NSC250-200-340	1480	30	200L	1006.1	55	569.3	450	450	368	775	55	1490	150	590	420	680	650	6	25	140	478	238	260	976
		37	225S							820	60	1520	150	610	420	680	650	6	25	140	478	298	260	1036
		45	225M							845	60	1540	150	620	420	680	650	6	25	140	478	322	260	1060
		55	250M							930	65	1610	150	650	420	680	650	6	25	140	478	410	280	1168
		75	280S							1000	75	1680	150	690	420	680	650	6	25	140	478	555	280	1313
		90	280M							1050	75	1730	150	710	420	680	650	6	25	140	478	610	280	1368
NSC250-200-430	1480	37	225S	1006.1	55	569.3	500	500	400	820	60	1530	150	610	420	820	700	6	25	150	568	298	260	1118
		45	225M							845	60	1550	150	620	420	820	700	6	25	150	568	322	260	1142
		55	250M							930	65	1620	150	660	420	820	700	6	25	150	568	410	280	1250
		75	280S							1000	75	1690	150	690	420	820	700	6	25	150	568	555	280	1395
		90	280M							1050	75	1740	150	720	420	820	700	6	25	150	568	610	280	1450
		110	315S							1340	80	1800	150	750	420	820	700	6	25	150	568	750	310	1620
		132	315M							1340	80	1850	150	770	420	820	700	6	25	150	568	875	310	1745
		200	315L							1340	80	1900	150	800	420	820	700	6	25	150	568	960	310	1830

Note: Dimensions and weight deviations subject to selected motor manufacturer are to be considered.

Horizontal Arrangement Dimensions (4/5)

Unit: mm, unless other wise stated

Model	Speed (r/min)	Power (KW)	Motor Size	Pump						Motor		Baseplate								Weight (Kg)			
				CP	U	W	YY	X	HZ	C	MU	HB	HP	HL	HD/HS	HA	HE	n	HH	HR	Pump	Motor	Baseplate	Total
NSC250-200-530	1480	75	280S	1110.8	65	637.3	600	500	470	1000	75	1760	150	730	440	960	840	6	25	150	710	555	280	1545
		90	280M							1050	75	1810	150	750	440	960	840	6	25	150	710	610	280	1600
		110	315S							1340	80	1870	150	780	440	960	840	6	25	150	710	750	350	1810
		132	315M							1340	80	1920	150	810	440	960	840	6	25	150	710	875	350	1935
		200	315L							1340	80	1970	150	830	440	960	840	6	25	150	710	960	350	2020
		315	335(6KV)							1690	100	2670	150	790	460	960	840	8	25	150	710	1730	540	2980
		355	400(6KV)							1860	110	2780	150	820	460	1070	950	8	25	150	710	2050	610	3370
NSC250-200-660	1480	110	315S	1110.8	65	637.3	650	550	525	1340	80	1880	150	790	450	960	840	6	25	160	1020	750	360	2104
		132	315M							1340	80	1930	150	810	450	960	840	6	25	160	1020	875	360	2229
		200	315L							1340	80	1980	150	840	450	960	840	6	25	160	1020	960	360	2314
		315	355(6KV)							1690	100	2680	150	790	450	960	840	8	25	160	1020	1730	560	3284
		355	400(6KV)							1860	110	2790	150	830	450	1070	950	8	25	160	1020	2050	610	3654
NSC300-250-280	1480	30	200L	1006.1	55	569.3	500	450	404	775	55	1490	150	590	460	820	700	6	25	140	650	238	270	1158
		37	225S							820	60	1520	150	610	460	820	700	6	25	140	650	298	280	1228
		45	225M							845	60	1540	150	620	460	820	700	6	25	140	65	322	280	1252
		55	250M							930	65	1610	150	650	460	820	700	6	25	140	650	410	280	1340
		75	280S							1000	75	1680	150	690	460	820	700	6	25	140	650	555	280	1485
NSC300-250-390	1480	75	280S	1110.8	65	637.3	500	500	417	1000	75	1760	150	730	480	960	840	6	25	150	668	555	340	1563
		90	280M							1050	75	1810	150	750	480	960	840	6	25	150	668	610	340	1618
		110	315S							1340	80	1870	150	780	480	960	840	6	25	150	668	750	360	1778
		132	315M							1340	80	1920	150	810	480	960	840	6	25	150	668	875	360	1903
		200	315L							1340	80	1970	150	830	480	960	840	6	25	150	668	960	360	1988
NSC300-250-490	1480	90	280M	1316.5	75	736.5	550	550	583	1050	75	1950	150	820	500	960	840	6	25	200	950	610	420	1980
		110	315S							1340	80	2020	150	860	500	960	840	6	25	200	950	750	420	2120
		132	315M							1340	80	2070	150	590	500	960	840	8	25	200	950	875	450	2275
		200	315L							1340	80	2120	150	600	500	960	840	8	25	200	950	960	450	2360
		315	355(6KV)							1690	100	28010	150	830	520	960	840	8	25	200	950	1730	620	3300
		355	400(6KV)							1860	110	2920	150	870	520	1070	950	8	25	200	950	2050	720	3720
NSC300-250-610	1480	132	315M	1316.5	75	736.5	650	550	640	1340	80	2070	150	590	500	1070	950	8	25	200	1125	875	440	2441
		200	315L							1340	80	2120	150	600	500	1070	950	8	25	200	1125	960	440	2526
		315	355(6KV)							1690	100	2850	150	850	520	1070	950	8	25	210	1125	1730	640	3496
		560	400(6KV)							1860	110	2930	150	870	520	1070	950	8	25	210	1125	2430	740	426
		630	450(6KV)							1900	120	3200	150	960	520	1170	1050	8	25	210	1125	3030	740	4896
NSC300-250-780	1480	560	400(6KV)	1527	85	870	700	600	680	1860	110	3110	200	900	590	1070	950	8	30	200	1350	2430	920	4700
		710	450(6KV)							1900	120	3370	200	990	590	1170	1050	8	30	200	1350	2170	950	4470
		800	450(6KV)							1900	120	3370	200	990	590	1170	1050	8	30	200	1350	2280	1050	4680
		1000	500(6KV)							1900	120	3630	200	800	590	1320	1200	8	30	200	1350	3960	1150	6460
NSC300-250-270	1480	30	200L	1006.1	55	569.3	500	500	300	775	55	1490	150	590	460	820	700	6	25	140	650	238	270	1158
		45	225M							845	60	1510	150	620	460	820	700	6	25	140	650	322	280	1252
		55	250M							930	65	1610	150	650	460	820	700	6	25	140	650	410	280	1340
NSC350-300-330	1480	55	250M	1110.8	65	637.3	600	520	465	930	65	1710	150	700	510	920	800	6	25	175	800	410	350	1560
		75	280S							1000	75	1780	150	740	510	920	800	6	25	175	800	555	350	1705
		90	280M							1050	75	1830	150	760	510	920	800	6	25	175	800	610	350	1760
		110	315S							1340	80	1900	150	800	510	920	800	6	25	175	800	750	370	1920
		132	315M							1340	80	1950	150	820	510	920	800	6	25	175	800	875	370	2045
NSC350-350-310	1480	55	250M	1110.8	65	637.3	600	520	465	930	65	1950	150	820	510	960	840	6	25	175	800	410	350	1560
		75	280S							1000	75	1950	150	820	510	960	840	6	25	175	800	555	350	1705
		90	280M							1050	75	1950	150	820	510	960	840	6	25	175	800	610	350	1760
		110	315S							1340	80	1950	150	820	510	960	840	6	25	175	800	750	370	1920
		132	315M							1340	80	1950	150	820	510	960	840	6	25	175	800	875	370	2045
NSC400-300-450	1480	90	280M	1316.5	75	736.5	650	550	590	1050	75	1960	150	830	530	960	840	6	25	200	1000	610	450	2060
		110	315S							1340	80	2020	150	860	530	960	840	6	25	200	1000	750	450	2200
		132	315M							1340	80	2070	150	590	530	960	840	8	25	200	1000	875	510	2385
		200	351L							1340	80	2120	150	600	530	960	840	8	25	200	1000	960	510	2470
		315	355(6KV)							1690	100	2860	150	850	570	960	840	8	25	210	1000	1730	690	3420
		500	400(6KV)							1860	110	2940	150	880	570	1070	950	8	25	210	1000	2340	780	4120

Note: Dimensions and weight deviations subject to selected motor manufacturer are to be considered.

Horizontal Arrangement Dimensions (5/5)

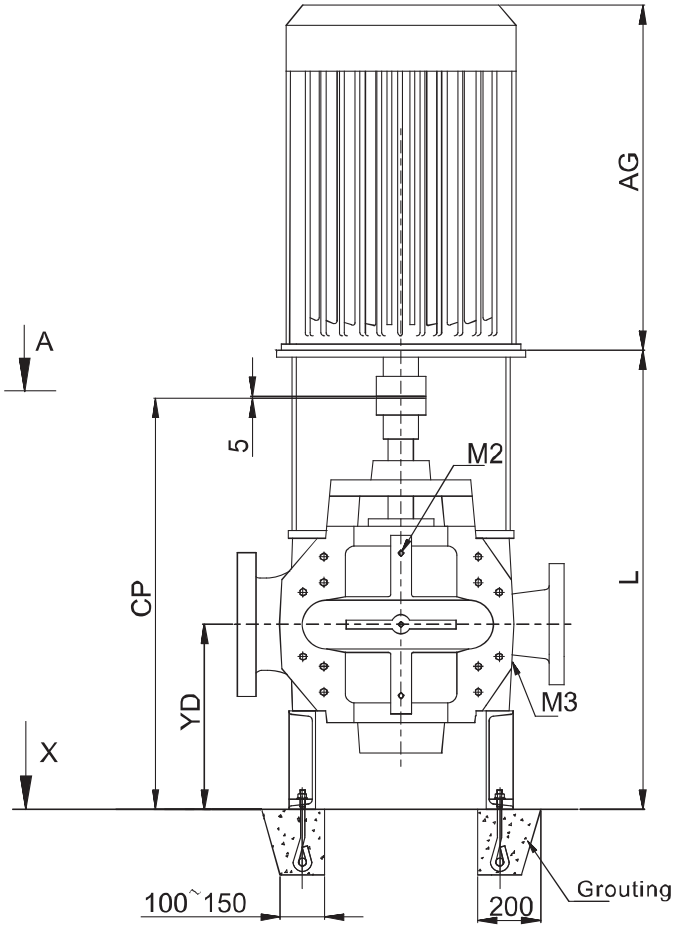
Unit: mm, unless other wise stated

Model	Speed (r/min)	Power (KW)	Motor Size	Pump						Motor		Baseplate									Weight (Kg)			
				CP	U	W	YY	X	HZ	C	MU	HB	HP	HL	HD/HS	HA	HE	n	HH	HR	Pump	Motor	Baseplate	Total
NSC400-300-570	1480	200	315L	1527	85	870	700	650	530	1340	80	2270	150	650	600	1270	1090	8	30	210	1505	960	500	2940
		315	355(6KV)							1690	100	2990	150	890	600	1270	1090	8	30	210	1505	1730	790	4000
		560	400(6KV)							1860	110	3070	150	920	600	1270	1090	8	30	210	1505	2430	880	4790
		630	450(6KV)							1900	120	3330	150	1010	600	1270	1090	8	30	210	1505	3030	880	5390
NSC400-300-700	1480	315	355(6KV)	1527	85	870	700	650	530	1690	100	3030	200	870	620	1170	1050	8	30	200	1650	1730	810	4190
		560	400(6KV)							1860	110	3110	200	900	620	1170	1050	8	30	200	1650	2430	920	5000
		900	450(6KV)							1900	120	3370	200	990	620	1170	1050	8	30	200	1650	3460	950	6060
		1000	500(6KV)							2220	130	3630	200	1070	620	1170	1050	8	30	200	1650	3960	1050	6660
NSC400-350-360	1480	160	315L	1316.5	75	736.5	670	570	513	1340	80	2170	200	590	520	920	790	8	25	200	880	960	690	2530
		160	315L							1340	80	2170	200	590	520	920	790	8	25	200	880	960	690	2530
		110	315S							1340	80	2070	200	830	520	920	790	6	25	200	880	750	430	2060
NSC400-350-380	1480	90	280M	1316.5	75	736.5	670	570	513	1050	75	2010	200	800	520	920	790	6	25	200	880	610	350	1840
		110	315S							1340	80	2070	200	830	520	920	790	6	25	200	880	750	430	2060
		132	315M							1340	80	2120	200	570	520	920	790	8	25	200	880	875	460	2215
		200	315L							1340	80	2170	200	590	520	920	790	8	25	200	880	1080	690	2650
		315	355(6KV)							1690	100	2900	200	830	520	920	790	8	25	200	880	1730	660	3270
NSC400-350-520	1480	315	355(6KV)	1527	85	870	700	650	535	1690	100	2990	150	890	590	1260	1100	8	30	210	1350	1730	800	3880
		560	400(6KV)							1860	110	3070	150	920	590	1260	1100	8	30	210	1350	2430	900	4680
		800	450(6KV)							1900	120	3330	150	750	590	1260	1100	10	30	210	1350	3230	900	5480
NSC400-350-520	980	315	Y4005-6	1527	85	870	700	650	535	1860	110	3070	150	920	570	1260	1100	8	30	210	1350	2130	900	4380
		250	Y355L-6							1690	100	2420	150	700	570	1260	1100	8	30	210	1350	1800	900	4050
		200	Y355M-6							1690	100	2390	150	690	570	1260	1100	8	30	210	1350	1700	900	3950
		160	Y355M-6							1690	100	2390	150	690	570	1260	1100	8	30	210	1350	1600	900	3850
NSC500-400-400	980	110	Y315L-6	1438.5	75	821.5	765	600	537	1340	80	2230	200	610	590/570	1080	960	8	25	170	1200	1150	600	2950
		90	Y315M-6							1340	80	2180	200	590	590/570	1080	960	8	25	170	1200	1080	600	2880
		75	Y280S-6							1050	75	2010	200	800	590/570	1080	960	6	25	170	1200	990	600	2790
NSC500-400-420	980	160	Y355M-6	1438.5	75	821.5	765	600	537	1690	100	2350	200	650	610/590	1080	960	8	30	170	1200	1600	900	3700
		132	Y315L-6							1340	80	2230	200	610	590/570	1080	960	8	25	170	1200	1300	900	3400
		110	Y315L-6							1340	80	2230	200	610	590/570	1080	960	8	25	170	1200	1150	900	3250
		90	Y315M-6							1340	80	2180	200	590	590/570	1080	960	8	25	170	1200	1080	900	3180
NSC500-400-540	1480	1000	Y5006-4	1773	100	1009	700	700	600	2220	130	3850	300	800	620/620	1260	1150	10	30	210	1870	3690	1200	7160
		800	Y4506-4							1900	120	3600	300	1000	620/620	1180	1050	8	30	210	1870	3230	1200	6430
		500	Y4005-4							1860	110	3400	300	950	620/620	1180	1050	8	30	210	1870	2340	1100	5440
NSC500-400-570	980	315	Y4006-4	1468	100	821	700	700	600	1860	110	3200	300	900	620/620	1180	1050	8	30	210	1683	2130	1100	5230
		250	Y3555-6							1690	110	3000	300	850	620/620	1180	1050	8	30	210	1683	1880	1000	4880
		185	Y355L-6							1570	95	2500	300	650	620/620	1180	1050	8	30	210	1683	1400	700	4100
NSC500-400-660	1480	1400	Y50010-4	1773	100	1009	850	750	641	2220	130	3880	200	870	680	1360	1240	10	30	310	2400	4580	1300	8280
		1120	Y5007-4							2220	130	3880	200	870	680	1360	1240	10	30	310	2400	4110	1300	7810
		800	Y4507-4							1900	120	3620	200	800	680	1360	1240	10	30	310	2400	3230	1200	6830
NSC500-400-675	980	450	Y4505-6	1527	100	870	850	750	641	1940	130	3450	200	760	650	1360	1240	10	30	310	2160	2830	1200	6430
		355	Y4006-6							1860	110	3260	200	720	650	1360	1240	10	30	310	2160	2190	1200	5790
		250	Y355L-6							1690	100	2610	200	550	650	1360	1240	10	30	310	2160	1800	1200	5400

Note: Dimensions and weight deviations subject to selected motor manufacturer are to be considered.
If require for the dimension of pump which is not shown in the above table, pls contact with CNP.

Vertical NSC Pump with Motor (Standard) Dimensions

Unit: mm, unless other wise stated

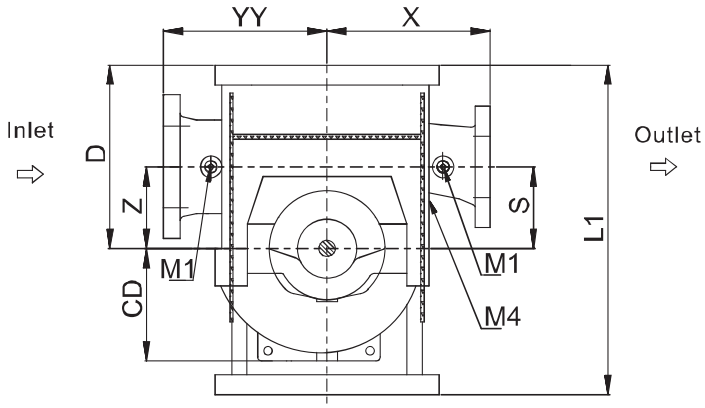


Direction of Rotation: Clockwise

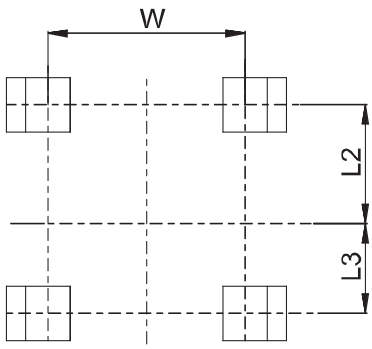
After alignment fill baseplate with non-shrinking concrete
Position of the terminal box is in accordance with the motor standard.
Connect pipes without stress

Connections

M1	Pressure gauge	G1/2
M2	Vent	G1/2
M3	Drainage	G1/2
M4	Leakage liquid drain	G3/4



A–B



View X

Dimensions—Vertical Arrangement

Unit: mm, unless other wise stated

Model	Motor Size	Power (KW)	Dimensions													Installation
			CP	YY	X	S/Z	D	YD	CD	L	W	L1	L2	L3	AG	
NSC125-80-210	min. 100L	3	840	300	300	150	315	400	270	870	580/520	710	370	120	320	TB
	max. 200L	37								930					665	
NSC125-80-270	min. 132S	5.5	840	300	300	150	315	400	269	880					395	TB
	max. 280M	90								960					860	
NSC125-80-350	min. 160M	11	840	330	330	140	315	400	333	880					495	TB/TK
	max. 315L	160								990					1170	
NSC150-100-250	min. 132M	7.5	840	330	330	170	355	385	328	920	580/520	695	315	115	435	TB
	max. 280M	90								980					910	
NSC150-100-320	min. 160L	15	840	330	330	170	355	385	342	950					540	TB/TK
	max. 315L	200								1010					1170	
NSC150-100-400	min. 180L	22	840	370	370	170	355	385	260	950					600	TB
	max. 225M	55								980					705	
NSC200-125-240	min. 160M	11	875	370	370	200	400	400	300	990	560	855	360	210	495	TB/TK
	max. 315L	160								1070					1170	
NSC200-125-300	min. 180M	18.5	875	370	370	200	400	400	325	990					560	TB/TK
	max. 355M	250								1070					1400	
NSC200-125-380	min. 200L	30	875	395	370	200	400	400	350	990					665	TB/TK
	max. 355L	280								1070					1170	
NSC200-125-480	min. 225M	45	875	450	450	200	400	400	389	990					705	TB
	max. 315S	110								1050					1100	
NSC200-150-290	min. 180M	18.5	875	400	400	200	435	375	340	990	600	900	435	315	560	TB/TK
	max. 355L	280								1020					1400	
NSC200-150-360	min. 180M	18.5	875	400	400	200	435	375	380	990	600	900	435	315	560	TB
	max. 280S	75								1020					860	
NSC200-150-460	min. 280S	75	982	450	450	200	400	465	390	1125					860	TB/TK
	max. 315L	160								1155					1170	
NSC200-150-570	min. 315M	132	1002	600	500	300	500	465	460	1175	700	1060	460	315	1170	TK
	max. 355L	280								1175					1400	
NSC250-200-340	min. 225M	45	982	450	450	240	500	465	368	1125	700	1060	460	315	705	TB
	max. 280M	90								1125					910	
NSC250-200-430	min. 280S	75	982	500	500	240	500	465	400	1125					770	TB/TK
	max. 315L	160								1155					1320	
NSC250-200-530	min. 280S	132	1134	600	500	300	560	505	470	1050	700	1120	520	315	860	TK
	max. 355L	315								1340					1400	
NSC250-200-660	min. 355L	315	1134	560	550	350	600	505	525	1340		1180	560	315	1400	TK/TJ
	max. 400(6KV)	500								/					1730	
NSC300-250-270	min. 200L	30	982	500	450	300	600	465	404	1095	700	855	360	210	665	TB
	max. 250M	55								1125					790	
NSC300-250-280	min. 200L	30	982	500	450	300	600	465	404	1095	700	855	360	210	665	TB
	max. 315S	110								1155					1100	
NSC300-250-390	min. 280M	90	1094	500	500	300	630	450	417	1235	850	1200	635	350	910	TB/TK
	max. 315L	200								1265					1170	
NSC300-250-490	min. 315L	160	1260	550	550	300	600	605	583	1430	840	1180	560	315	1030	TK/TJ
	max. 355(6KV)	315								/					2200	
NSC300-250-610	min. 355(6KV)	280	1280	650	550	350	630	605	640	/	860	1210	590	315	2200	TJ
	max. 400(6KV)	560								/					2300	
NSC350-300-310	min. 250M	55	1134	600	520	300	670	490	465	1275	865	1300	670	430	790	TB
	max. 315S	110								1305					1100	
NSC350-300-330	min. 250M	55	1134	600	520	300	670	490	465	1275					790	TB/TK
	max. 315L	160								1305					1170	
NSC400-300-450	min. 315M	200	1260	650	550	350	700	605	590	1340		1250	630	315	1170	TK/TJ
	max. 400(6KV)	355								/					2300	
NSC400-350-360	min. 315S	110	1323	670	570	350	725	600	513	1500	834	1350	725	350	1100	TK
	max. 315L	160								1500					1170	
NSC400-350-380	min. 315S	110	1323	670	570	350	725	600	513	1500	834	1350	725	350	1100	TK
	max. 355M	250								1500					1400	

Note: Dimensions and weight deviations subject to selected motor manufacturer are to be considered.
If require for the dimension of pump which is not shown in the above table, pls contact with CNP.

Recommended Spare Parts

1.Recommended spare parts for commissioning

Soft Packed Stuffing Box

Part No.	Part Name (Set)	Qty. of Pumps including Standby Pumps				
		1	2	3	4	5
		Qty. of Spare Parts				
02.11.003 02.13.001 02.13.002	Gland packing O-Ring Lip-type seal ring	1	2	3	4	5

Mechanical Seal

Part No.	Part Name (Set)	Qty. of Pumps including Standby Pumps				
		1	2	3	4	5
		Qty. of Spare Parts				
02.08.001 04.02.017	Deep groove ball bearings Bearing circlip	1	2	3	4	5
02.13.001 02.13.002	O-Ring Lip-type seal ring	1	2	3	4	5
02.13.004	Mechanical seal	1	2	3	4	5

2.Recommended spare parts (per set) for 2 years operation (8000 hours per year)

Soft Packed Stuffing Box

Part No.	Part Name	Qty. of Pumps including Standby Pumps				
		1	2	3	4	5
		Qty. of Spare Parts				
04.02.021 04.02.019 02.03.004 02.05.001	Shaft Bearing sleeve Round nut Circlip	-	-	-	1	1
04.02.004	Impeller	1	2	2	2	2
02.08.001 04.02.017	Deep groove ball bearing Bearing circlip	1	1	1	2	2
04.09.005	Gland	-	-	-	1	1
02.13.001 02.13.002	O-Ring Lip-type seal ring	1	2	3	4	5
02.11.003	Gland packing	4	8	12	16	20
04.02.012	Set neck ring	-	-	-	1	1
04.09.002	Lantern ring	-	-	-	1	1
04.09.001	Wear ring	1	1	1	2	2
02.12.004	Gasket	1	1	1	2	2
04.02.022	Shaft sleeve	1	1	1	2	2

Mechanical Seal

Part No.	Part Name(Set)	Qty. of Pumps including Standby Pumps				
		1	2	3	4	5
		Qty. of Spare Parts				
04.02.021 04.02.019 02.03.004 02.05.001	Shaft Bearing sleeve Round nut Circlip	-	-	-	1	1
04.02.004	Impeller	1	2	2	2	2
02.08.001 04.02.017	Deep groove ball bearing Bearing circlip	1	1	1	2	2
02.13.001 02.13.002	O-Ring Lip-type seal ring	1	2	3	4	5
02.13.004	Mechanical seal	1	1	1	2	2
04.09.001	Wear ring	1	1	1	2	2
02.12.004	Gasket	1	1	1	2	2
04.02.023	Shaft sleeve	1	1	1	2	2

Scope of Supply

● Pump with bare shaft end： horizontal over vertical design, with finish coating, primer coating, and soft packed stuffing box or mechanical seal.
● Extra charges for: —Oil lubricated bearing—Potable water quality coating/finish coating—Horizontal baseplate for pump and motor—Motor stool for vertical arrangements—Motor mounting—Special coating treatment—Witness test
● Extra charges for available accessories: —Coupling and coupling guard—Set pressure gauges—Set seal pipe —Venting valve—Temperature senor for bearing (PT100)

Guarantee, Testing and Quality Control

● Every pump undergoes a functional test and the operating data is guaranteed without acceptance test, Witness test is surcharged.
● Acceptance tests can be performed in accordance with ISO9906, GB3216C or other comparable international testing standards.
● The quality of the CNP products is ensured by the DIN ISO9001 quality assurance system.

Order Data

——Pump

1.Description of the pump according to “Designation”	6.Shaft seal as soft packed stuffing box or mechanical seal
2.Capacity Q	7.Liquid handled and liquid temperature
3.Total head H	8.Direction of rotation /arrangement of the motor
4.Material combination	9.Accessories required
5.Flange standard	10.Number and language of operating manual

——Motor （Provided by CNP）

1.Protection	4.Accessories required
2.Voltage, frequency, method of starting	5.Insulation class
3.Ambient temperature	6.Others
Note: If the motor is provided by the client, please bind the motor drawings and technical files.	








CNP


CNP







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20141122

CNP

SP

Non-clogging Self-priming Sewage Pump



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subject to amendments

CNP

Company Profile









Founded in 1991, Nanfang Pump Industry Co., Ltd. (hereinafter referred to as CNP) has been listed on the Shenzhen Stock Exchange on 9th December 2010; Stock name: CNP; Stock code: 300145.

As the first enterprise specializing in the research and large-scale production of stainless steel stamping welded centrifugal pump in China, CNP is currently the professional manufacturer with the highest volume of production and marketing in that industry. It ranks first in the country in terms of product scope, sales volume, and production quality. The company has set up a complete network of marketing services to meet the requirements of overseas markets as well as domestic needs. The products have seen a wide range of application in the area of pressurization, industry, living water, cycling of air-conditioning water, heat supply, fire extinguishing system, pumping of underground water, treatment of sewage and waste water, chemical industry and desalination of sea water etc.

CNP has now entered into the fast track of development and has taken a major step forward in forging China Strong Pump Enterprise and World's famous brand in the Pump Industry. In order to better meet the client's needs and requirements for expansion, it has set up a wide network of selling and service, as well as offices and service centers in major cities in China, which are aimed at providing timely and effective services for our clients. Meanwhile, our company has successfully penetrated into the world market by forging a good business relationship with more than 50 countries and regions in the Europe, Northern American, and Southeast Asia etc.

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Features

SP Non-clogging self-priming sewage pump is our latest developed product, and is suitable for the treatment project of municipal sewage and industrial sewage as well as stage treatment and concentrated treatment system of various sewages. It's known as "King of Self-priming Sewage Pump", and it is the most ideal new-generation sewage product.

- Stable performance, reliable operation.
- Rapid self-priming, high suction head.
- Back-pull-out construction: Convenient for maintenance and troubleshooting. Daily maintenance can be performed rapidly by common tools, saving time and labor.
- Semi-open impeller structure and non-clogging design: Strong passing capacity. Diameter of maximum passing grain for SP-6 is 76mm.
- Convenient usage: The pump can be mounted near cesspit, with only the suction pipe down in the liquid. (The pump shall be filled with water for first start).

Operating limits

- Liquid temperature: 0 ℃~40 ℃, medium density≤1.2×10^3kg/m^3, pH5~9.
- Volume ratio of solids in the medium≤2%.
- Diameter of maximum grain: SP-2 38mm, SP-3 63mm, SP-4/SP-6/SP-8/SP-10 76mm.
- Ambient temperature: ≤40 ℃.
- Altitude: Max. 1,000m.
- Flow range:10m^3/h~750m^3/h.
- Head range:3m~38m.
- Power:1.1kW~90kW.
- Max. Working pressure: See Performance Curve.
- Max. Suction head: See Performance Table.

Application

- Non-flammable and non-explosive liquid.
- Rain water and common sewage.
- Municipal drainage project, construction site, drainage station of people's air defense system.
- Industrial sewage of light industry, paper mill, textile, food processing plant, chemical industry, electric utility, mines, etc.
- Sewage discharge in the residential area.
- Sewage and deposit of water purifying system.
- Tanning industry, sewage of slaughter house, fish breeding in the river and pond.
- Wine and sugar industry.
- Discharge not strongly corrosive but seriously polluted sewage.

General Data

Definition of model

SP — 4 (1150)

- (1150): RPM for whole pump (Bareshaft pump ommitted)
- 4: Inlet and outlet : 4" (1inch=25.4mm)
- SP: Self-priming Sewage Pump

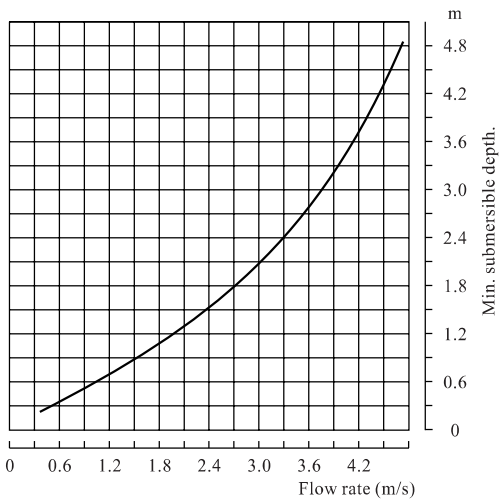
Installation conditions

- Suction pipe can be soft pipe or hard pipe, the material of pipes shall be suitable for the pumped liquid. Soft pipe shall be hard enough to prevent from flat when suction.
- Suction pipe shall be short and straight, use less joints and accessories as less as possible. For joints, the radius shall be bigger.
- The distance between the submersible suction pipe in the sump and the wall of the sump shall be 1.5 times than the radium of the pipe. Suction pipe shall not installed in the sump near the whirlpool. If there is, there shall be one baffle between suction pipe and water. The distance shall be 1.5times than the radius of the pipe..
- If there are two suctions in the sump, the pipe distance shall be three times than the radius of the pipe.
- Submersible depth of the submersible suction pipe:

The submersible depth of the suction pipe relates to the flow rate in the pipe. See drawing one

To reduce the submersible depth, we can enlarge the pipe radius or reduce the flow rate of the water. We can use increasing joint to enlarge the radium pipe. The suggested times is 1.3 times to 1.5 times.

- In flooded status, there is inlet pressure. It shall not exceed 50% of the max. working pressure.
- If use the strainer, the face area of the strainer shall be 4 to 6 times than the radius of the pipe. And ensure the max. dia. of the strainer hole to pass granules shall be less than the granule pump allowed.

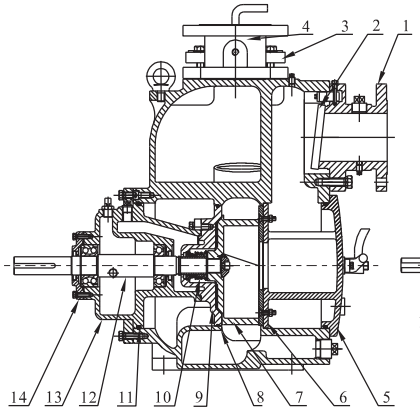


$$\text{Flow rate (m/s)}: = \frac{\text{Flow(m}^3\text{/h)}}{\text{Section surface of the pipe(m}^2\text{)}}$$

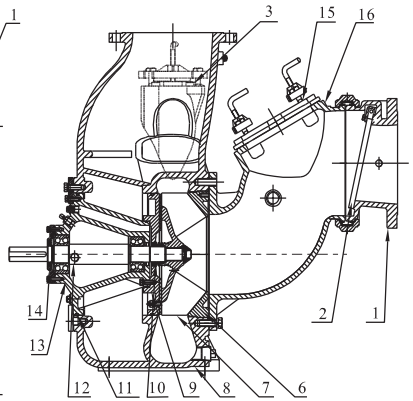
Suggested suction pipe submersible depth VS flow rate

Section drawing

SP-2; 3; 4; 6; 8



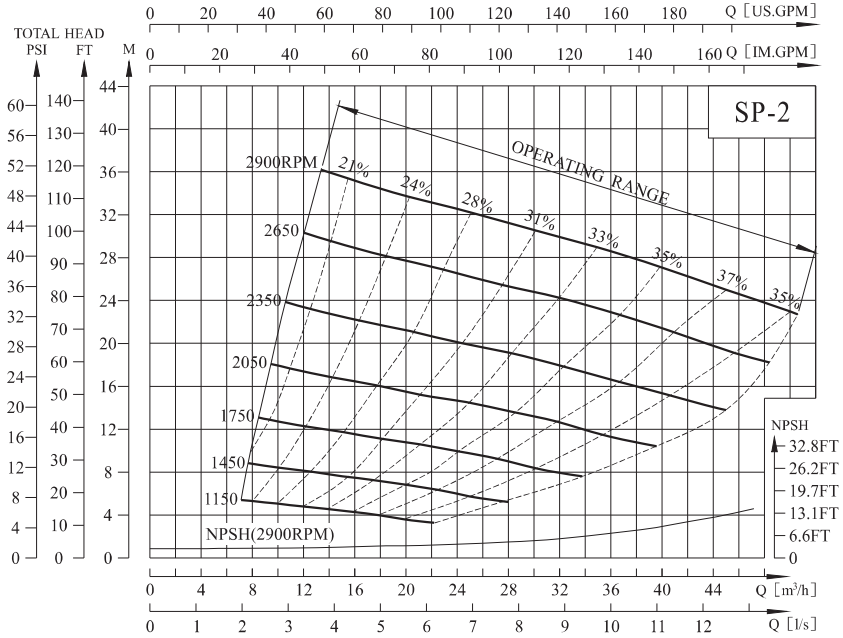
SP-10



Material

NO.	Parts	Material
1	Suction Inlet	Cast iron
2	Flap Valve	NBR+ Carbon steel
3	Infusion Cover	Cast iron
4	Discharge Outlet	Cast iron
5	End Cover	Cast iron
6	Wear Plate	Carbon steel
7	Impeller	DCI
		Cast steel
8	Volute	Cast iron
9	Impeller Cover	Cast iron
10	Mechanical Seal	WC/ WC
11	O-Ring	NBR/FPM
12	Shaft	Stainless steel
13	Bearing Body	Cast iron
14	Bearing Cover	Cast iron
15	Inlet cover	Cast iron
16	Inlet	Cast iron

Performance curve



Technical Data

SP–2 Performance Table

Model	RPM	Q		H	Motor		Inlet & Outlet	Max.Solids (mm)	Max.Suction Head (m)
		(m^3/h)	(l/s)	(m)	(kW)	(HP)			
SP-2	1150	15	4.2	4.0	1.1	1.5	50 (2')	38	5.0
	1450*	20	5.6	6.5	1.5	2			6.5
	1750	25	6.9	9.5	3	4			6.5
	2050	28	7.8	13.5	4	5.5			6.5
	2350	32	8.9	18.0	7.5	10			6.5
	2650	35	9.7	23.0	7.5	10			6.5
	2900*	40	11.1	27.0	9.2	12.5			6.5

SP–2 Operating Table

Model	RPM	Q (m^3/h)	10	12.5	15	17.5	20	25	30	35	40	45
SP-2	1150	H (m)	5.1	4.7	4.0	3.8	3.5					
	1450*		8.4	8.1	7.6	7.3	6.5	5.8				
	1750		12.6	12.2	11.8	11.3	10.8	9.5	8.5			
	2050		17.9	17.2	16.7	16.1	15.5	14.5	13.2	11.6		
	2350			23.2	22.5	21.8	21.2	19.9	18.6	17.2	15.3	
	2650			30.1	29.2	28.4	27.6	26.2	24.8	23.0	21.6	19.4
	2900*				35.6	34.5	33.7	32.1	30.4	29	27.0	25.3

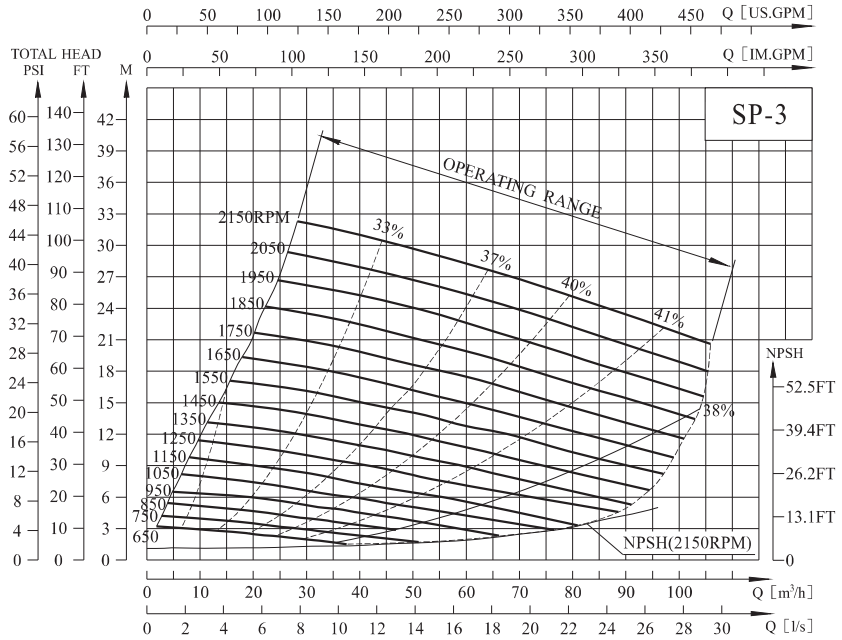
Note: (Suit for SP–1、3、4、6、8、10)

1)The performance is based on pumping clean water under normal temperature and min suction head is measured on sea level. For different installation way of pump, pump performance vary from flow rate, specific gravity, altitude, temperature. If the specific gravity of pumped medium is bigger than 1.2kg/dm^3, please contact us.

2)For the rpm with '*' in the table, pump can be coupled with YE2 B3 series standard motor.

3)For other rpm, pump can be driven by triangle belt sheave.

Performance curve



Technical Data

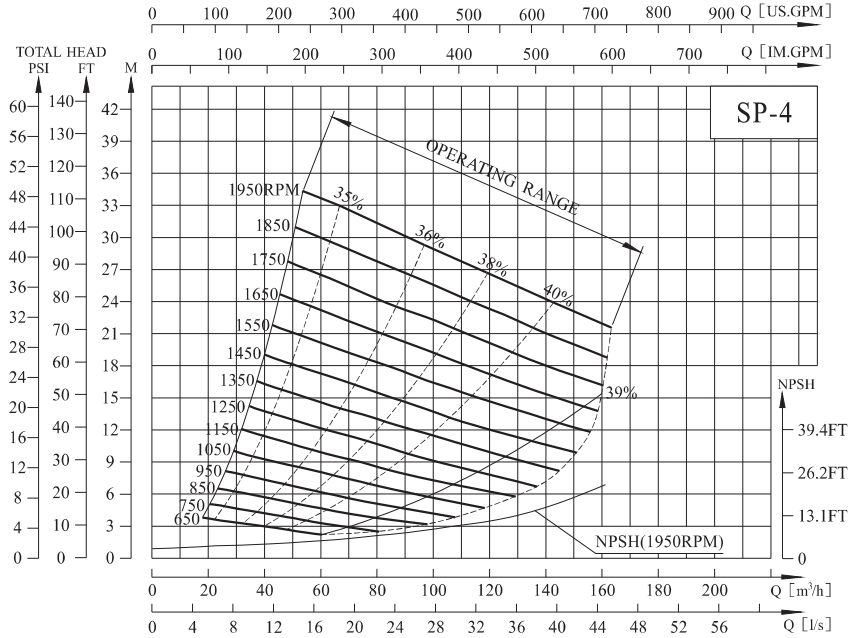
SP-3 Performance Table

Model	RPM	Q		H	Motor		Inlet & Outlet	Max.Solids (mm)	Max.Suction Head (m)
		(m^3/h)	(l/s)	(m)	(kW)	(HP)			
SP-3	650	25	6.9	2	0.75	1	80 (3')	63	1.5
	750*	30	8.3	3	1.5	2			1.8
	850	32.5	9.0	4	1.5	2			2.4
	950*	40	11.1	4.5	1.5	2			3.0
	1050	42.5	11.8	5.5	3	4			4.0
	1150	45	12.5	7	4	5.5			4.9
	1250	50	13.9	8	4	5.5			5.5
	1350	52.5	14.6	10	5.5	7.5			5.8
	1450*	55	15.3	11.5	5.5	7.5			6.4
	1550	60	16.7	12.5	7.5	10			6.4
	1650	65	18.1	14.5	11	15			6.7
	1750	70	19.4	16	11	15			6.7
	1850	72.5	20.1	18	15	20			7.6
	1950	75	20.8	20	15	20			7.6
	2050	80	22.2	22.5	18.5	25			7.6
	2150	85	23.6	24.5	18.5	25			7.6

SP-3 Operating Table

Model	RPM	Q (m^3/h)	10	20	30	40	50	60	70	80	90	100
SP-3	650	H (m)	2.9	2.5	2.0							
	750*		3.9	3.5	3.0	2.3						
	850		5.2	4.7	3.9	3.4						
	950*		6.4	6.0	5.2	4.5	3.8					
	1050		7.9	7.4	6.7	5.9	5.0	4.3				
	1150		9.7	9.0	8.3	7.4	6.5	5.6				
	1250		11.3	10.7	10.0	9.1	8.0	7.1	6.2			
	1350			12.6	11.9	11.0	10.0	9.0	7.7			
	1450*			14.7	14.0	12.9	12.0	10.8	9.6	8.3		
	1550			16.8	16.1	15.1	14.0	12.5	11.7	10.4	9.1	
	1650			19.3	18.5	17.4	16.2	15.0	13.6	12.3	11.1	
	1750				20.9	19.7	18.7	17.5	16.0	14.5	13.2	11.8
	1850				23.5	22.5	21.2	20.0	18.4	16.9	15.3	14.0
	1950				26.2	25.3	24.1	22.7	21.0	19.6	17.9	16.4
	2050				29.0	28.0	26.8	25.3	24.0	22.5	20.5	18.9
	2150				32.1	31.0	29.7	28.2	26.8	25.1	23.4	21.7

Performance curve



Technical Data

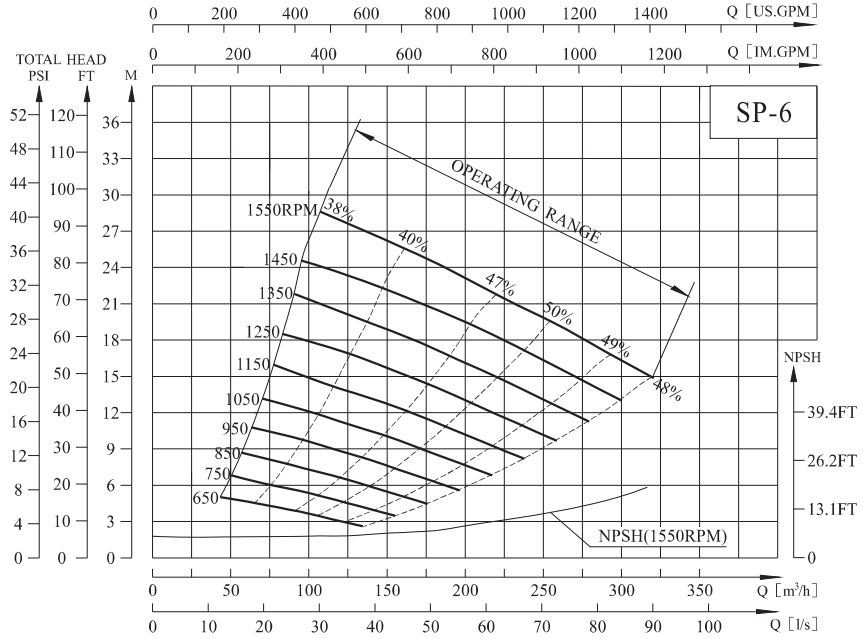
SP-4 Performance Table

Model	RPM	Q		H	Motor		Inlet & Outlet	Max.Solids (mm)	Max.Suction Head (m)
		(m^3/h)	(l/s)	(m)	(kW)	(HP)			
SP-4	650	40	11.1	3	1.5	2	100 (4')	76	1.5
	750*	45	12.5	4	1.5	2			2.4
	850	53	14.7	5	2.2	3			4.9
	950*	60	16.7	6	3	4			5.8
	1050	65	18.1	7.5	5.5	7.5			6.7
	1150	72	20.0	9	5.5	7.5			7.3
	1250	80	22.2	10.5	7.5	10			7.6
	1350	85	23.6	12.5	11	15			7.6
	1450*	100	27.8	13.5	11	15			7.6
	1550	110	30.6	15.5	15	20			7.6
	1650	115	31.9	18	18.5	25			7.6
	1750	120	33.3	20	22	30			7.6
	1850	130	36.1	22.5	30	40			7.6
	1950	135	37.5	25	30	40			7.6

SP-4 Operating Table

Model	RPM	Q (m^3/h)	20	32	48	64	80	96	112	128	144	160
SP-4	650	H (m)	3.8	3.3	2.6							
	750*			4.5	3.7	3.0						
	850			6.0	5.3	4.5	3.5					
	950*			7.5	6.5	5.7	5.0					
	1050			9.7	8.7	7.8	6.8	5.9				
	1150			11.9	10.8	9.9	8.8	7.6				
	1250			14.2	13.2	12.0	10.8	9.5	8.4			
	1350			16.7	15.7	14.3	13.1	11.8	10.5			
	1450*				18.0	16.5	15.5	14.0	12.5	11.5		
	1550				20.9	19.8	18.3	16.9	15.4	13.8	12.6	
	1650				24.3	22.9	21.1	19.8	18.1	16.3	15.0	
	1750				27.6	26.2	24.4	22.9	21.3	19.3	17.5	16.2
	1850				31.0	29.8	27.7	26.1	24.4	22.5	20.5	18.7
	1950				34.5	33.4	31.5	29.4	27.7	25.7	23.5	21.7

Performance curve



Technical Data

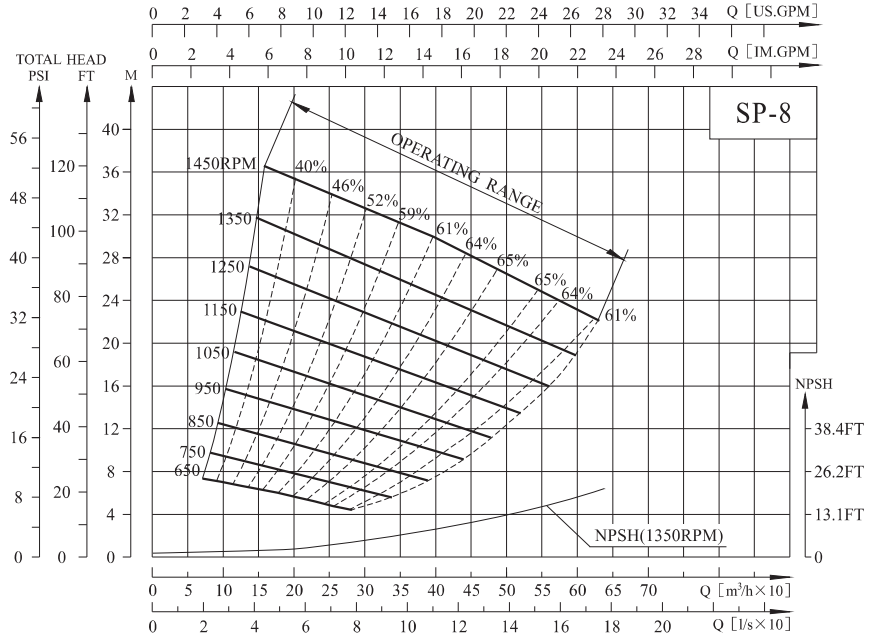
SP-6 Performance Table

Model	RPM	Q		H	Motor		Inlet & Outlet	Max.Solids (mm)	Max.Suction Head (m)
		(m^3/h)	(l/s)	(m)	(kW)	(HP)			
SP-6	650	100	27.8	3.5	3	4	150 (6')	76	2.4
	750*	125	34.7	4.5	4	5.5			2.7
	850	150	41.7	5.5	7.5	10			3.6
	950*	160	44.4	7.5	7.5	10			4.2
	1050	180	50.0	9.0	11	15			5.5
	1150	200	55.6	10.0	15	20			6.4
	1250	220	61.1	12.5	22	30			6.4
	1350	230	63.9	15.0	30	40			6.7
	1450*	250	69.4	17.0	30	40			7.0
	1550	280	77.8	18.0	37	50			7.6

SP-6 Operating Table

Model	RPM	Q (m^3/h)	50	80	120	150	180	210	240	270	300
SP-6	650	H (m)	5.0	4.2	3.1						
	750*			6.0	4.7	3.6					
	850			8.0	7.0	5.5					
	950*			11.0	9.5	7.5	6.8				
	1050			13.0	11.0	10.0	9.0	7.5			
	1150			16.0	14.0	12.8	11.2	10.0	8.0		
	1250				17.0	15.5	14.0	12.7	10.5		
	1350				20.5	19.0	17.5	15.5	14.0	12.0	
	1450*				24.0	22.0	21.0	19.0	17.0	15.0	13.0
	1550				28.0	26.0	24.5	22.7	20.5	18.5	16.5

Performance curve



Technical Data

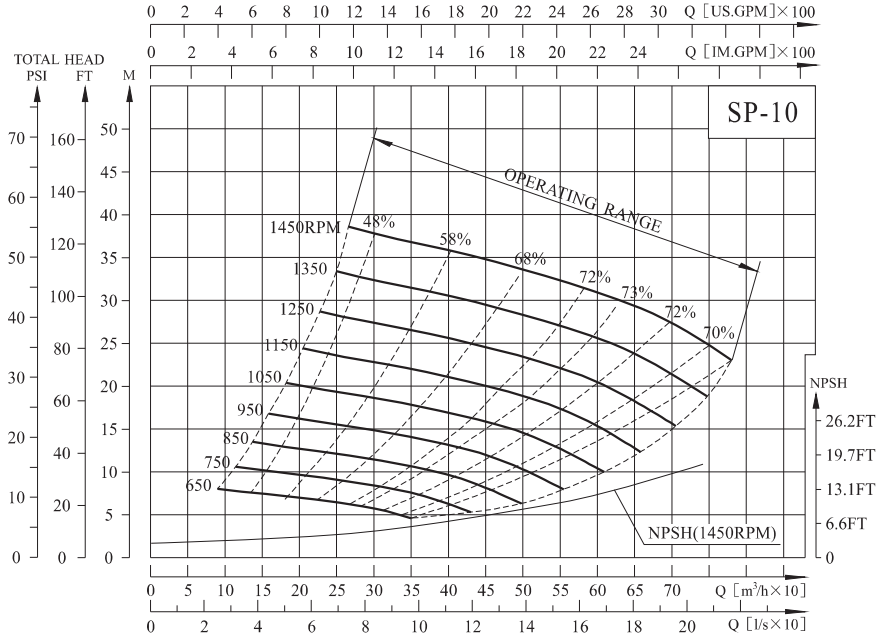
SP–8 Performance Table

Model	RPM	Q		H	Motor		Inlet & Outlet	Max.Solids (mm)	Max.Suction Head (m)
		(m^3/h)	(l/s)	(m)	(kW)	(HP)			
SP-8	650	200	55.6	6	7.5	10	200 (8')	76	2.7
	750*	230	63.9	8	11	15			3.7
	850	260	72.2	10	15	20			4.6
	950*	300	83.3	12	22	30			5.2
	1050	320	88.9	15	30	41			6.1
	1150	350	97.2	18	37	50			6.4
	1250	400	111.1	20	55	75			6.7
	1350	450	125.0	23	75	102			7
	1450*	500	138.9	26	75	102			7

SP–8 Operating Table

Model	RPM	Q (m^3/h)	100	150	200	250	300	350	400	450	500	580
SP-8	650	H (m)	7.0	6.5	6.0	5.0						
	750*			8.8	8.5	7.5	6.5					
	850			11.5	11.0	10.0	9.0	8.0				
	950*			15.0	14.0	13	12.0	11.0				
	1050			18.5	17.5	16.5	15.5	14.0	13.0			
	1150				21.5	20.3	19.0	18.0	16.5	15.5		
	1250				25.5	24.5	23.0	22.0	20.0	19.0	18.0	
	1350				30.5	29.0	27.8	26.0	25.0	23.0	22.0	
	1450*				35.5	34.0	32.0	31.0	30.0	28.0	26.0	23.0

Performance curve



Technical Data

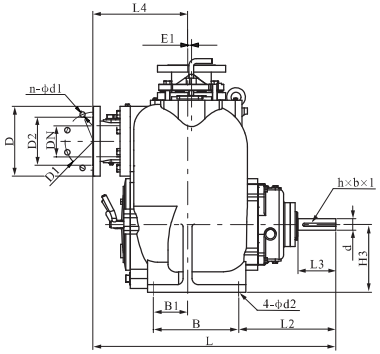
SP–10 Performance Table

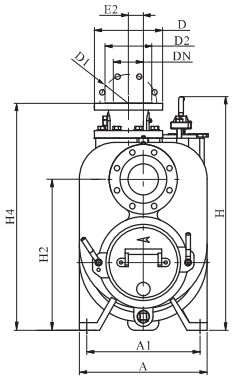
Model	RPM	Q		H	Motor		Inlet & Outlet	Max.Solids (mm)	Max.Suction Head (m)
		(m^3/h)	(l/s)	(m)	(kW)	(HP)			
SP-10	650	250	69	6.5	11	15	250 (10')	76	2.1
	750*	300	83	8.5	15	20			3.4
	850	350	97	11	22	30			4.3
	950*	400	111	13	30	41			5.2
	1050	450	125	16	45	61			5.5
	1150	500	139	19	55	75			5.5
	1250	525	146	23	75	102			5.8
	1350	550	153	27	90	122			6.7
	1450*	600	167	31	90	122			6.7

SP–10 Operating Table

Model	RPM	Q (m^3/h)	200	300	400	450	500	550	600	650	700	750
SP-10	650	H (m)	7.0	6.5								
	750*		10.0	8.5	6.0							
	850		13.0	11.5	10.0	8.0						
	950*		16.0	15.0	13.0	12.0	10.0					
	1050		20.0	19.0	17.0	16.0	14.5	12.5				
	1150			23.0	21.0	20.0	19.0	17.5	15.0			
	1250			27.5	25.5	24.5	23.5	22.0	20.5	18.0		
	1350			32.5	30.5	29.5	28.0	27.0	25.5	23.5	21.5	
	1450*			38.0	36.0	35.0	33.5	32.0	31.0	29.5	27.5	24.5

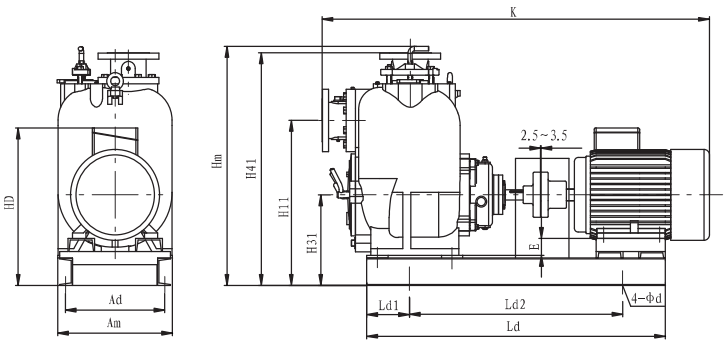
Pump profile & installation dimension





Item		SP-2	SP-3	SP-4	SP-6	SP-8	SP-10
Dimension of Inlet & Outlet Flange DIN(mm)/ ANSI(in)	PN	PN0.6MPa / Class 150 lb		PN1.0MPa / Class 150 lb			PN1.6MPa/ Class 150 lb
	DN	50/2'	80/3'	100/4'	150/6'	200/8'	250/10'
	D	140/6'	190/7.5'	228.6/9'	285/11'	340/13.5'	405/16'
	D1	110/4.75'	150/6'	180/7.5'	240/9.5'	295/11.75'	355/14.25'
	D2	90/3.6'	127/5'	158/6.19'	212/8.3'	266/10.62'	320/12.75'
	n-d1	4-14/0.75'	4-19/0.75'	8-19/0.75'	8-23/0.88'	8-23/0.88'	12-26/1'
	h×b×l	10×5×95	10×5×80	10×5×90	10×5×95	14×3.5×127	14×3.5×120
		0.38'×0.19'×3.74'	0.38'×0.19'×3'	0.38'×0.19'×3.5'		0.38'×0.19'×5'	
Installation Dimension DIN(mm)/ ANSI(in)	H2	318/12.51'	431.8/17'	495.3/19.5'	574.3/22.61'	723.8/28.5'	639.8/25.19'
	A	308/12.13'	377/14.84'	428/16.85'	580/22.83'	716/28.19'	705/27.75'
	A1	281/11.06'	328/12.91'	373/14.69'	527/20.75'	635/25'	635/25'
	B	163.2/6.42'	228.6/9'	279.4/11'	279.4/11'	304.8/12'	304.8/12'
	B1	54/2.12'	76.2/3'	110/4.33'	77.8/3.06'	101.6/4'	101.6/4'
	L2	274.8/10.82'	285/11.22'	326/12.83'	294/11.57'	407.1/16.03'	320.6/12.63'
	d2	14/0.55'	18/0.71'	18/0.71'	18/0.71'	24/0.88'	24/0.88'
	H3	151.5/5.96'	190.5/7.5'	222.2/8.75'	257.2/10.13'	330.2/13'	355.6/14'
	L3	104/4.09'	102/4.02'	127/5'	127/5'	170/6.69'	123/4.84'
	d	38/1.50'	38/1.5'	38/1.5'	38/1.5'	48/1.75'	48/1.75'
Profile Dimension DIN(mm)/ ANSI(in)	H	552/21.73'	697.5/27.46'	760/29.92'	875/34.45'	989/38.94'	1017/40.04'
	Am	321/12.64'	389/15.31'	429/16.89'	580/22.83'	716/28.19'	786/30.94'
	H4	502/19.16'	652/25.67'	735/28.94'	887.7/34.95'	1069.3/42.06'	1047.8/41.25'
	L	615/24.21'	712.2/28.04'	813.5/32.03'	906.6/35.69'	1023/40.28'	1244.7/49'
	L4	233/9.17'	277/10.91'	318/12.52'	411/16.18'	412.8/16.25'	720.9/28.38'
	E1	27.5/1.08'	15/0.59'	13/0.51'	0	0	0
	E2	70/2.76'	50/2'	50/2'	50/2'	0	0
Wt. (kg/1bs)		99/218	190/419	275/606	438/966	655/1445	705/1555

Profile & installation dimension of coupled pump set



Model	Motor		Dimensions							Dimensions					
	Power (kW)	Model	Ad	Ld1	Ld2	d	H11	H31	H41	K	Am	Hm	HD	E	Ld
SP-2(1450)	1.5	YE2-90L-4	300	77.5	617	20	428	261.5	612	986	341	662	416.5	61.5	772
SP-2(2900)	9.2	YE2-132S-2	300	77.5	695	20	428	261.5	612	1110	341	662	471.5	19.5	850
SP-3(750)	1.5	YE2-112M-8	330	120	621	20	541.8	300.5	762.2	1134	370	800	490.5	78.5	861
SP-3(950)	1.5	YE2-100L-6	330	120	614	20	541.8	300.5	762.2	1119	370	800	480.5	90.5	854
SP-3(1450)	5.5	YE2-132S1-4	330	120	660	20	541.8	300.5	762.2	1204	370	800	510.5	58.5	900
SP-4(750)	1.5	YE2-112M-8	370	150	663	20	605.3	332.2	843.6	1236	430	887.3	522.2	110.2	963
SP-4(950)	3	YE2-132S-6	370	150	702	20	605.3	332.2	843.6	1306	430	887.3	542.2	90.2	1002
SP-4(1450)	11	YE2-160M-4	370	150	821	20	605.3	332.2	843.6	1451	430	887.3	587.2	62.2	1121
SP-6(750)	4	YE2-160M1-8	510	150	784	20	710.3	393.2	1023.7	1544	590	1024	648.2	97.2	1084
SP-6(950)	7.5	YE2-160M-6	510	150	784	20	710.3	393.2	1023.7	1544	590	1024	648.2	97.2	1084
SP-6(1450)	30	YE2-200L-4	510	150	905	20	710.3	393.2	1023.7	1705	590	1024	698.2	57.2	1205
SP-8(750)	11	YE2-180L-8	640	150	1050	24	904	510.2	1250	1767	716	1250	790	150.2	1350
SP-8(950)	22	YE2-200L2-6	640	150	1085	24	904	510.2	1250	1769	716	1250	815	130.2	1385
SP-8(1450)	75	YE2-280S-4	640	150	1264	24	904	510.2	1250	2012	716	1250	1020	50.2	1564
SP-10(750)	15	YE2-200L-8	640	150	1050	24	820	535.6	1227.8	2020	786	1228	880.6	155.6	1350
SP-10(950)	30	YE2-225M-6	640	150	1050	24	820	535.6	1227.8	2095	786	1228	865.6	130.6	1350
SP-10(1450)	90	YE2-280M-4	640	150	1240	24	820	535.6	1227.8	2285	786	1228	935.6	75.6	1540

SP pump belt sheave data

Model	Motor		Belt sheave at motor end		Belt sheave at pump end		Triangle belt		
	Power (kW)	Model	Model	OD of belt sheave (mm)	Model	OD of belt sheave (mm)	Model	Fiducial length	Nos.
SP-2(1150)	1.1	YE2-90S-4	VA2-85	90.5	VA2-100	105.5	Belt A	990	2
SP-2(1750)	3	YE2-100L-2	VA3-85	90.5	VA3-132	137.5	Belt A	990	3
SP-2(2050)	4	YE2-112M-2	VA3-100	105.5	VA3-132	137.5	Belt A	1100	3
SP-2(2350)	7.5	YE2-132S2-2	VA4-100	105.5	VA4-120	125.5	Belt A	1250	4
SP-2(2650)	7.5	YE2-132S2-2	VA3-118	123.5	VA3-125	130.5	Belt A	1250	3
SP-3(650)	0.75	YE2-80M2-4	VA2-80	85.5	VA2-160	165.5	Belt A	1250	2
SP-3(850)	1.5	YE2-90L-4	VA2-80	85.5	VA2-125	130.5	Belt A	1250	2
SP-3(1050)	3	YE2-100L2-4	VA3-90	95.5	VA3-120	125.5	Belt A	1250	3
SP-3(1150)	4	YE2-112M-4	VA3-100	105.5	VA3-120	125.5	Belt A	1430	3
SP-3(1250)	4	YE2-112M-4	VA3-100	105.5	VA3-112	117.5	Belt A	1430	3
SP-3(1350)	5.5	YE2-132S1-4	VA4-125	130.5	VA4-130	135.5	Belt A	1430	4
SP-3(1550)	7.5	YE2-132S2-2	VA3-125	130.5	VA3-224	229.5	Belt A	1430	3
SP-3(1650)	11	YE2-160M1-2	VA4-125	130.5	VA4-212	217.5	Belt A	1560	4
SP-3(1750)	11	YE2-160M1-2	VA4-125	130.5	VA4-200	205.5	Belt A	1560	4
SP-3(1850)	15	YE2-160M2-2	VB4-132	139	VB4-200	207	Belt B	1560	4
SP-3(1950)	15	YE2-160M2-2	VB4-125	132	VB4-180	187	Belt B	1560	4
SP-3(2050)	18.5	YE2-160L-2	VB4-160	167	VB4-224	231	Belt B	1560	4
SP-3(2150)	18.5	YE2-160L-2	VB4-160	167	VB4-212	219	Belt B	1560	4
SP-4(650)	1.5	YE2-90L-4	VA2-85	90.5	VA2-180	185.5	Belt A	1430	2
SP-4(850)	2.2	YE2-100L1-4	VA3-90	95.5	VA2-150	155.5	Belt A	1430	2
SP-4(1050)	5.5	YE2-132S-4	VA3-125	130.5	VA3-160	165.5	Belt A	1550	3
SP-4(1150)	5.5	YE2-132S-4	VA3-125	130.5	VA3-150	155.5	Belt A	1550	3
SP-4(1250)	7.5	YE2-132M-4	VA4-125	130.5	VA4-140	145.5	Belt A	1550	4

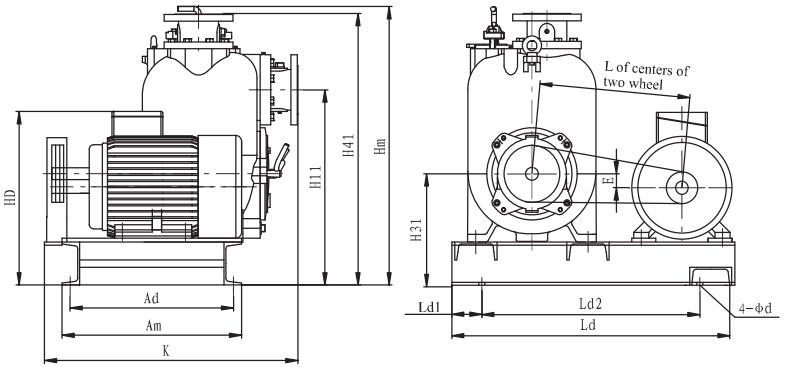
Technical Data

SP pump belt sheave data

Model	Motor		Belt sheave at motor end		Belt sheave at pump end		Triangle belt		
	Power (kW)	Model	Model	OD of belt sheave (mm)	Model	OD of belt sheave (mm)	Model	Fiducial length	Nos.
SP-4(1350)	11	YE2-160M-4	VB4-160	167	VB4-170	177	Belt B	1560	4
SP-4(1550)	15	YE2-160M2-2	VB3-180	187	VB3-315	322	Belt B	1950	3
SP-4(1650)	18.5	YE2-160L-2	VB4-150	157	VB4-250	257	Belt B	1950	4
SP-4(1750)	22	YE2-180M-2	VB4-180	187	VB4-280	287	Belt B	1950	4
SP-4(1850)	30	YE2-200L1-2	VC4-212	209.6	VC4-315	324.6	Belt C	1950	4
SP-4(1950)	30	YE2-200L1-2	VC4-250	239.6	VC4-355	364.6	Belt C	1950	4
SP-6(650)	3	YE2-100L2-4	VA2-85	91	VA2-180	186	Belt A	1550	2
SP-6(850)	7.5	YE2-132M-4	VB4-125	132	VB4-200	207	Belt B	1760	4
SP-6(1050)	11	YE2-160M-4	VB3-170	177	VB3-224	231	Belt B	1950	3
SP-6(1150)	15	YE2-160L-4	VB4-170	177	VB4-200	207	Belt B	1950	4
SP-6(1250)	22	YE2-180L-4	VC4-224	234	VC4-250	260	Belt C	1950	4
SP-6(1350)	30	YE2-200L-4	VC4-250	260	VC4-265	275	Belt C	2195	5
SP-6(1550)	37	YE2-225S-4	VC4-300	310	VC4-280	290	Belt C	2195	4
SP-8(650)	7.5	YE2-160M-6	VB3-125	132	VB3-180	187	Belt B	1950	3
SP-8(850)	15	YE2-180L-6	VB4-200	207	VB4-224	231	Belt B	1950	4
SP-8(1050)	30	YE2-200L-4	VC4-224	233.6	VC4-315	324.6	Belt C	2420	4
SP-8(1150)	37	YE2-225S-4	VC4-280	289.6	VC4-355	364.6	Belt C	2420	4
SP-8(1250)	55	YE2-250M-4	VC4-280	289.6	VC4-315	324.6	Belt C	2420	4
SP-8(1350)	75	YE2-280S-4	VD4-355	371.2	VD4-375	391.2	Belt D	2740	4
SP-10(650)	11	YE2-160L-6	VB4-140	147	VB4-200	207	Belt B	1950	4
SP-10(850)	22	YE2-200L2-6	VC4-224	233.6	VC4-250	259.6	Belt C	2195	4
SP-10(1050)	45	YE2-225M-4	VC4-250	259.6	VC4-355	364.6	Belt C	2420	4
SP-10(1150)	55	YE2-250M-4	VC4-315	324.6	VC4-400	409.6	Belt C	2715	4
SP-10(1250)	75	YE2-280S-4	VD4-355	371.2	VD4-425	441.2	Belt D	2740	4
SP-10(1350)	90	YE2-280M-4	VD4-355	371.2	VD4-375	391.2	Belt D	2740	4

Note for table: Belt sheave complies with GB/T10412 rule; belt complies with GB/T 11544 rule.

Profile & installation dimension of △-belt drives pump set



Model	Motor		Dimensions								Dimensions					
	Power (kW)	Model	Ad	Ld1	Ld2	d	H11	H31	H41	L	Ld	K	Hm	Am	HD	E
SP-2(1150)	1.1	YE2-90S-4	375	100	515	20	438	271.5	622	350	715	655	672	423	375	72
SP-2(1750)	3	YE2-100L-2	359	100	550	20	438	271.5	622	375	750	655	672	407	410	62
SP-2(2050)	4	YE2-112M-2	352	100	560	20	438	271.5	622	363	760	655	672	400	432	50
SP-2(2350)	7.5	YE2-132S2-2	313	100	670	20	438	271.5	622	451	870	655	672	361	472	30
SP-2(2650)	7.5	YE2-132S2-2	313	100	650	20	438	271.5	622	433	850	655	672	361	472	30
SP-3(650)	0.75	YE2-80M2-4	467	100	609	20	552	310.5	772	428	808	752	818	514	355	121
SP-3(850)	1.5	YE2-90L-4	451	100	651	20	552	310.5	772	460	854	752	818	498	375	111
SP-3(1050)	3	YE2-100L2-4	435	100	662	20	552	310.5	772	459	866	752	818	482	410	101
SP-3(1150)	4	YE2-112M-4	428	100	767	20	552	310.5	772	540	967	752	818	475	432	89
SP-3(1250)	4	YE2-112M-4	428	100	774	20	552	310.5	772	548	974	752	818	475	432	89
SP-3(1350)	5.5	YE2-132S1-4	389	100	756	20	552	310.5	772	514	956	752	818	436	472	69
SP-3(1550)	7.5	YE2-132S2-2	389	100	675	20	552	310.5	772	434	875	752	818	436	472	69
SP-3(1650)	11	YE2-160M1-2	341	100	776	20	552	310.5	772	509	975	752	818	389	545	41
SP-3(1750)	11	YE2-160M1-2	341	100	786	20	552	310.5	772	519	986	752	818	389	545	41
SP-3(1850)	15	YE2-160M2-2	341	100	781	20	552	310.5	772	514	981	752	818	389	545	41
SP-3(1950)	15	YE2-160M2-2	341	100	803	20	552	310.5	772	536	1003	752	818	389	545	41
SP-3(2050)	18.5	YE2-160L-2	341	100	744	20	552	310.5	772	477	944	752	818	389	545	41
SP-3(2150)	18.5	YE2-160L-2	341	100	753	20	552	310.5	772	486	953	752	818	389	545	41

Technical Data

Profile & installation dimension of △-belt drives pump set

Model	Motor		Dimensions								Dimensions					
	Power (kW)	Model	Ad	Ld1	Ld2	d	H11	H31	H41	L	Ld	K	Hm	Am	HD	E
SP-4(650)	1.5	YE2-90L-4	545	100	722	20	635.3	362.2	875	499	922	855	900	600	395	142.2
SP-4(850)	2.2	YE2-100L1-4	529	100	761	20	635.3	362.2	875	525	961	855	900	584	430	132.2
SP-4(1050)	5.5	YE2-132S-4	483	100	818	20	635.3	362.2	875	543	1018	855	900	538	492	100.2
SP-4(1150)	5.5	YE2-132S-4	483	100	830	20	635.3	362.2	875	555	1030	855	900	538	492	100.2
SP-4(1250)	7.5	YE2-132M-4	483	100	840	20	635.3	362.2	875	565	1040	855	900	538	492	100.2
SP-4(1350)	11	YE2-160M-4	436	100	818	20	635.3	362.2	875	521	1018	855	900	491	565	72.2
SP-4(1550)	15	YE2-160M2-2	436	100	876	20	635.3	362.2	875	567	1076	855	900	491	565	72.2
SP-4(1650)	18.5	YE2-160L-2	436	100	959	20	635.3	362.2	875	649	1159	855	900	491	565	72.2
SP-4(1750)	22	YE2-180M-2	423	100	922	20	635.3	362.2	875	599	1122	855	900	478	610	52.2
SP-4(1850)	30	YE2-200L1-2	413	100	900	20	635.3	362.2	875	547	1100	855	900	468	655	32.2
SP-4(1950)	30	YE2-200L1-2	413	100	870	20	635.3	362.2	875	526	1070	855	900	468	655	32.2
SP-6(650)	3	YE2-100L2-4	497	100	886	20	714.3	397.2	1027.7	562	1096	947	1030	552	462	135.2
SP-6(850)	7.5	YE2-132M-4	451	100	970	20	714.3	397.2	1027.7	618	1180	947	1030	506	492	135.2
SP-6(1050)	11	YE2-160M-4	404	100	1045	20	714.3	397.2	1027.7	659	1255	947	1030	459	565	107.2
SP-6(1150)	15	YE2-160L-4	404	100	1061	20	714.3	397.2	1027.7	675	1271	947	1030	459	565	107.2
SP-6(1250)	22	YE2-180L-4	391	100	1013	20	714.3	397.2	1027.7	596	1223	947	1030	446	610	87.2
SP-6(1350)	30	YE2-200L-4	381	100	1130	20	714.3	397.2	1027.7	692	1340	947	1030	436	655	67.2
SP-6(1550)	37	YE2-225S-4	335	100	1127	20	714.3	397.2	1027.7	662	1337	947	1030	390	710	42.2
SP-8(650)	7.5	YE2-160M-6	614	150	1060	24	924	530.2	1269.3	733	1375	1043	1270	675	615	170.2
SP-8(850)	15	YE2-180L-6	599	150	1000	24	924	530.2	1269.3	642	1315	1043	1270	660	660	150.2
SP-8(1050)	30	YE2-200L-4	599	150	1200	24	924	530.2	1269.3	792	1515	1054	1270	660	705	130.2
SP-8(1150)	37	YE2-225S-4	549	150	1130	24	924	530.2	1269.3	712	1445	1054	1270	610	760	105.2
SP-8(1250)	55	YE2-250M-4	549	150	1150	24	924	530.2	1269.3	735	1465	1054	1270	610	820	80.2
SP-8(1350)	75	YE2-280S-4	514	150	1260	24	924	530.2	1269.3	792	1575	1095	1270	575	890	50.2
SP-10(650)	11	YE2-160L-6	529	150	1040	24	839.8	555.6	1247.8	704	1375	1270	1248	590	615	195.6
SP-10(850)	22	YE2-200L2-6	509	150	1100	24	839.8	555.6	1247.8	725	1435	1280	1248	570	705	155.6
SP-10(1050)	45	YE2-225M-4	459	150	1180	24	839.8	555.6	1247.8	743	1515	1280	1248	520	760	130.6
SP-10(1150)	55	YE2-250M-4	489	150	1280	24	839.8	555.6	1247.8	798	1615	1280	1248	550	820	105.6
SP-10(1250)	75	YE2-280S-4	539	150	1280	24	839.8	555.6	1247.8	738	1615	1320	1248	600	890	75.6
SP-10(1350)	90	YE2-280M-4	554	150	1280	24	839.8	555.6	1247.8	792	1615	1320	1248	615	890	75.6

MEMO

MEMO

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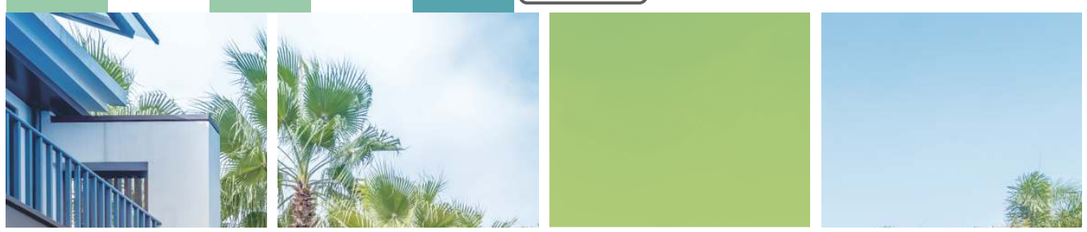
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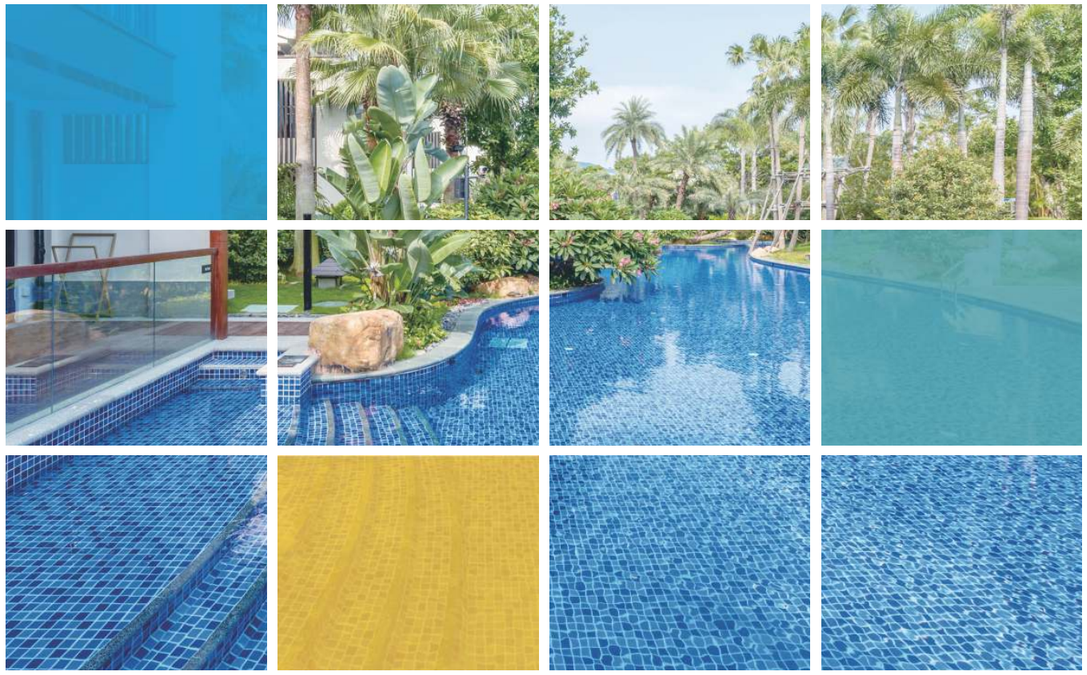
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E190514
Subject to amendments

CNP

NS Swimming Pool Pump





Pumping Water Pumping Honor



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COMPANY PROFILE

Founded in 1991,CNP has been listed on Shenzhen Stock Exchange on 9th December,2010;
Stock name:CNP;Stock code:300145.

As the first enterprise specializing in the research and large-scale production of stainless steel multistage centrifugal pump in China, CNP is currently the professional manufacturer with the biggest production and marketing in this industry.

It ranks first in the country in terms of product scope,sales volume,and production quantity. The company has set up a complete network of marketing services to meet the requirements of overseas markets as well as domestic needs. The products have seen a wide range of application in the area of pressurization, industry, living water, cycling of air-conditioning water, heat supply, fire extinguishing system, pumping of underground water, treatment of sewage and waste water, chemical industry and desalination of sea water,etc.

In order to meet customers' needs better, CNP has always been committed to the R&D of new products. As a new CNP product , Swimming Pool Pump is convenient to use and maintain with compact structure, stable operation, low noise, beautiful appearance and light weight.CNP, a green water expert beside you.



CORPORATE CULTURE

Ⅰ Core value: Integrity , win-win pursue, self-transcendence

Ⅱ Mission: Pumping water ,Pumping honor

Ⅲ Vision: A green water expert

Ⅳ Operation tenet: Quality first, Credibility supremacy

Ⅴ Enterprise principle: Solidarity, deploitation, innovation, effort advance

Ⅵ Social responsibility: Dedicated members of public welfare

Ⅶ Management policy: Customer first, High quality and efficient, environment friendly

Ⅷ Quality promise: Swift delivery ,good service

Ⅸ Cooperation value: Work together with peers ,superior and subordinate

Ⅹ Talent value: Contribution matters

Model definition

NS Z 100

- 100 — Motor input power (HP*100)
- Z — Pump series number
- NS — Swimming Pool Pump

Typical applications

- Water circulation and filtration in large swimming pools

Material

- Pump body、impeller、filter : Stainless Steel AISI 304
- Pump shaft: Stainless Steel AISI 304
- Mechanical seal: Graphite/Silicon carbide
- Rubber parts : NBR

Motor

- 380V 50HZ
- TEFC secondary motor
- Protection class: IP55
- Insulation class: F

Working condition

- Liquid temperature:-20~100 ℃
- Ambient temperature: ≤40 ℃
- System pressure: ≤10 bar

Curve condition

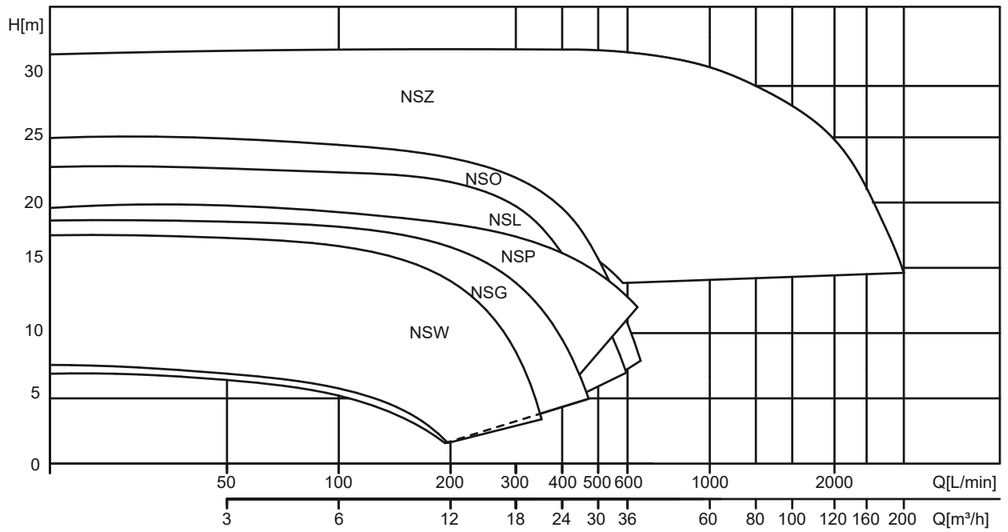
Following conditions are suitable for performance curve below.

- Curve tolerance in conformity to ISO 9906:2012, Grade 3B.
- All curves are based on measured values under motor speed 2900rpm or 2950rpm.
- Measurement is done with 20℃ air-free water,kinematic viscosity of 1mm2/sec.

Characteristic

- NSZ stainless steel horizontal single stage swimming pool pump, are made by advanced processing like stainless steel plate stamping and bulging welding technology.It can replace traditional casting pool pumps. It is high efficient, energy saving, light corrosion resistant with beautiful appearance, light but compact structure, low noise and long durability.

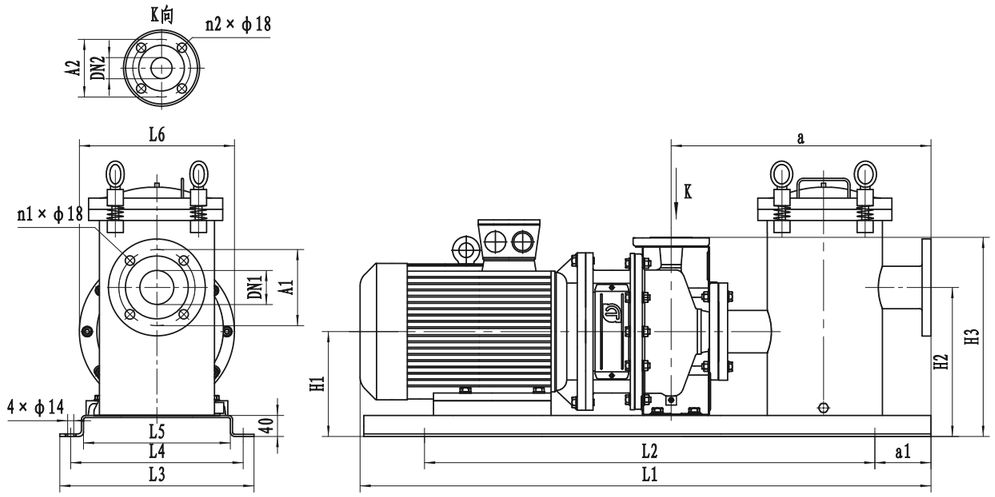
Performance scope



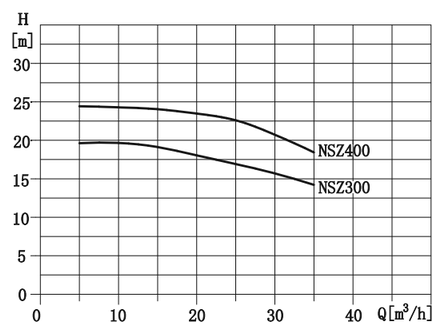
NSZ series

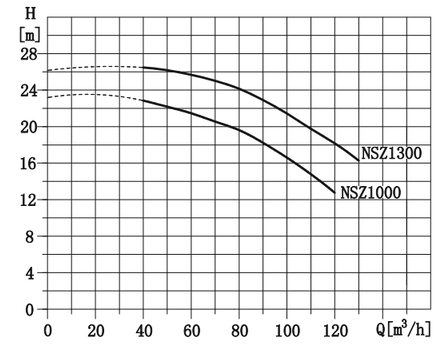


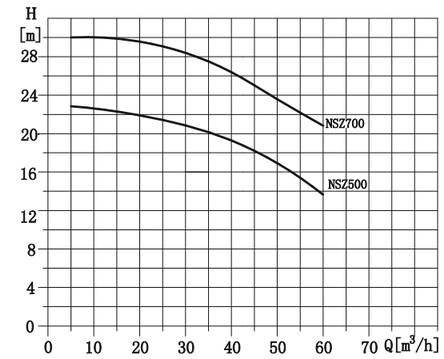
Installation sketch

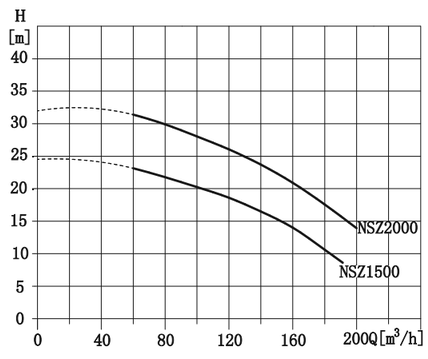


Model	Dimension[mm]																
	DN1	DN2	A1	A2	n1	n2	a	a l	H1	H2	H3	L1	L2	L3	L4	L5	L6
NSZ300	65	40	118	84	4	4	460	35	152	272	294	882	810	280	240	192	210
NSZ400	65	40	118	84	4	4	460	35	152	272	294	912	840	300	260	212	250
NSZ500	65	50	118	98	4	4	466	41	172	292	338	950	870	330	290	242	250
NSZ700	65	50	118	98	4	4	480	41	200	290	380	1060	960	370	330	280	300
NSZ1000	80	65	130	118	8	4	535	50	200	320	380	1125	1025	370	330	280	300
NSZ1300	80	65	130	118	8	4	535	50	200	320	380	1125	1025	370	330	280	300
NSZ1500	100	80	150	130	8	8	675	50	220	370	445	1380	1280	420	380	330	350
NSZ2000	100	80	150	130	8	8	675	50	220	370	445	1380	1280	420	380	330	350









Performance table

Model	P1		Max. Head [m]	Max. Flow [m³/h]	Flow Q	[m³/h]	5	10	20	30	35	40	50	60	
	[kW]	[HP]													
NSZ300	2. 2	3	20	35	Head H[m]		19. 0	18. 7	18. 1	15. 5	13. 8				
NSZ400	3	4	25. 7	35			24. 4	24. 0	23. 6	20. 7	18. 5				
NSZ500	4	5	24. 2	60			23. 0	23. 0	22. 4	21. 0	19. 7	19. 5	17. 1	13. 3	
NSZ700	5. 5	7	31. 6	60			30. 0	29. 9	29. 5	29. 0	27. 0	26. 3	23. 8	19. 4	
Model	P1		Max. Head [m]	Max. Flow [m³/h]	Flow Q	[m³/h]	40	60	80	100	120	140	160	180	200
	[kW]	[HP]													
NSZ1000	7. 5	10	24. 5	120	Head H[m]		23. 0	21. 7	19. 7	16. 6	12. 7				
NSZ1300	9. 2	13	28. 1	130			26. 4	25. 7	24. 2	21. 2	18. 1	16. 4			
NSZ1500	11	15	23. 8	192			23. 1	22. 4	21. 3	19. 8	18. 5	16. 2	13. 8	10. 6	
NSZ2000	15	20	32. 3	200			31. 4	30. 4	29. 0	27. 4	25. 6	23. 1	20. 2	16. 9	14. 5

Model definition

NS F 100

- 100 — Motor input power (HP*100)
- F — Pump series number
- NS — Swimming Pool Pump

Working condition

- Liquid temperature:5~50 ℃
- Ambient temperature: ≤50 ℃
- Max. working pressure: 0.3 MPa

Typical applications

- domestic and commercial swimming pool
- water park
- water landscape
- seawater farming
- hot spring spa

Material

- Pump body、impeller、diffuser、inlet and outlet : engineering plastics
- Pump shaft: Stainless Steel SUS304
- Mechanical seal: Graphite/Ceramics
- O ring : NBR
- Motor casing: Aluminum

Motor

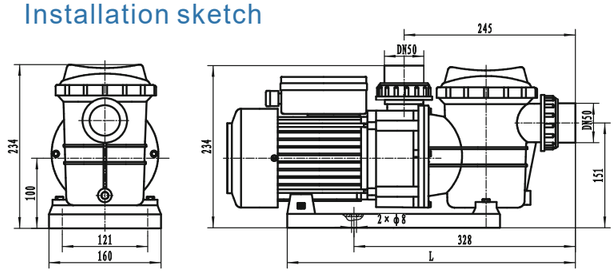
- 220V, asynchronous, 2 poles
- Protection class: IP55
- Insulation class: F
- Can be operated continuously
- Single-phase motor needs built-in overheating protection device.

Self - Priming Lift

- NSW series: up to 2m.
- NSW/NSO/NSL series: up to 3m.

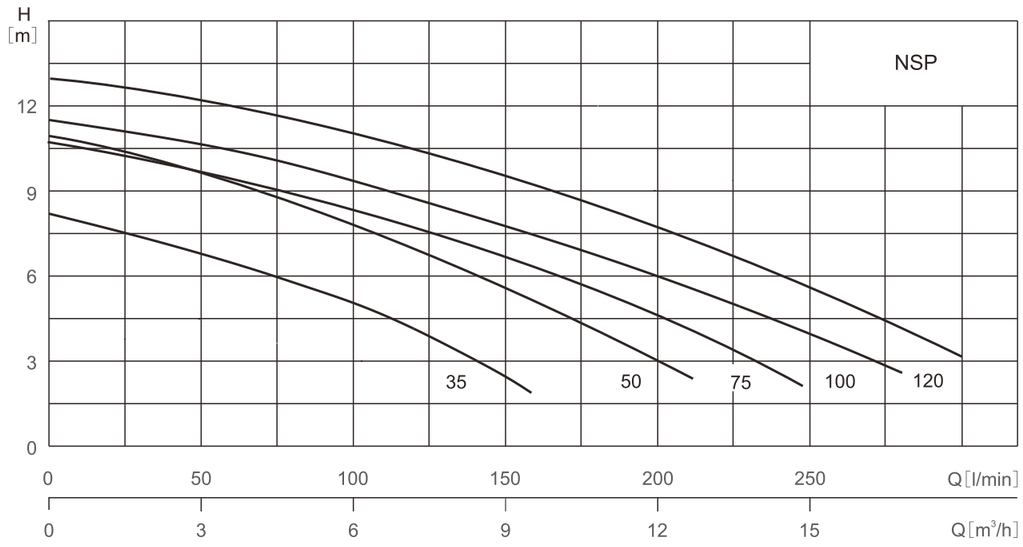
NSP series

Installation sketch





Model	NSP35	NSP50	NSP75	NSP100	NSP120
L	473	473	495	495	495

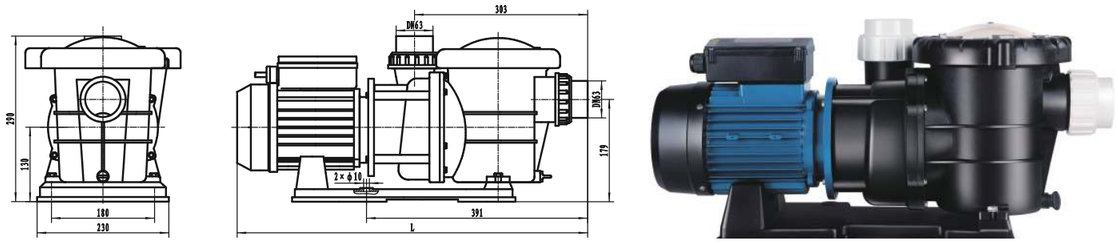


Performance table

Model	P1 [kW]	P1 [HP]	Max. Head [m]	Max. Flow [m³/h]	Flow Q [l/min]	50	100	150	200	250
					[m³/h]	3	6	9	12	15
NSP35	0.25	0.35	8	10	Head H[m]	6.8	5	2.5		
NSP50	0.37	0.5	11	13		9.6	7.7	5.6	3	
NSP75	0.55	0.75	10.5	14		9.6	8.4	6.7	4.6	
NSP100	0.75	1	11	17		10.6	9.3	7.6	5.9	3.7
NSP120	0.9	1.2	13	18		12.1	10.8	9.5	7.6	5.5

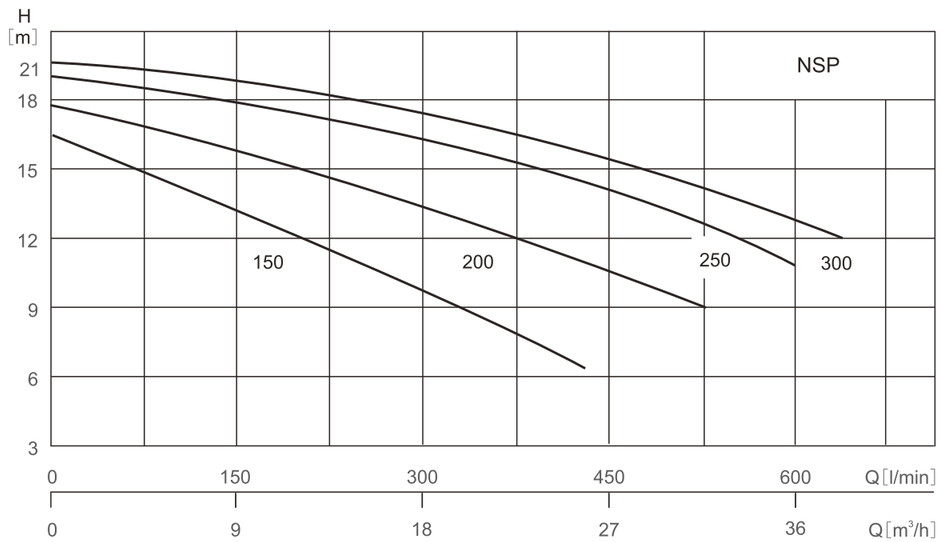
NSP series

Installation sketch



Model	NSP150	NSP200	NSP250	NSP300
L	483	483	505	505

Performance curve

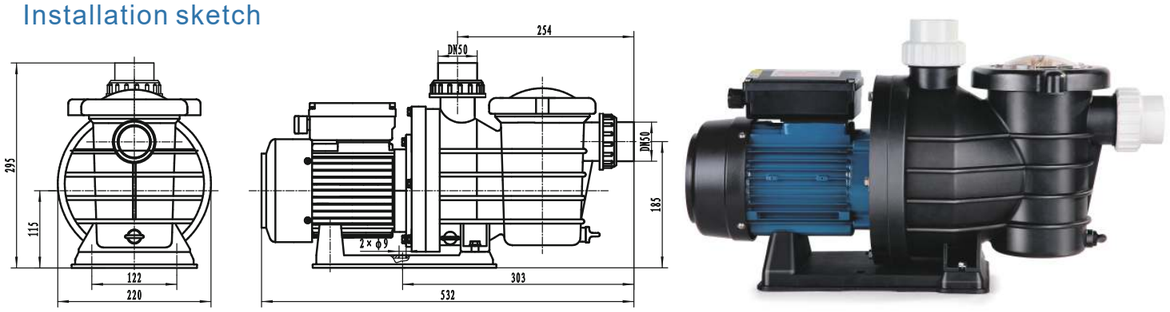


Performance table

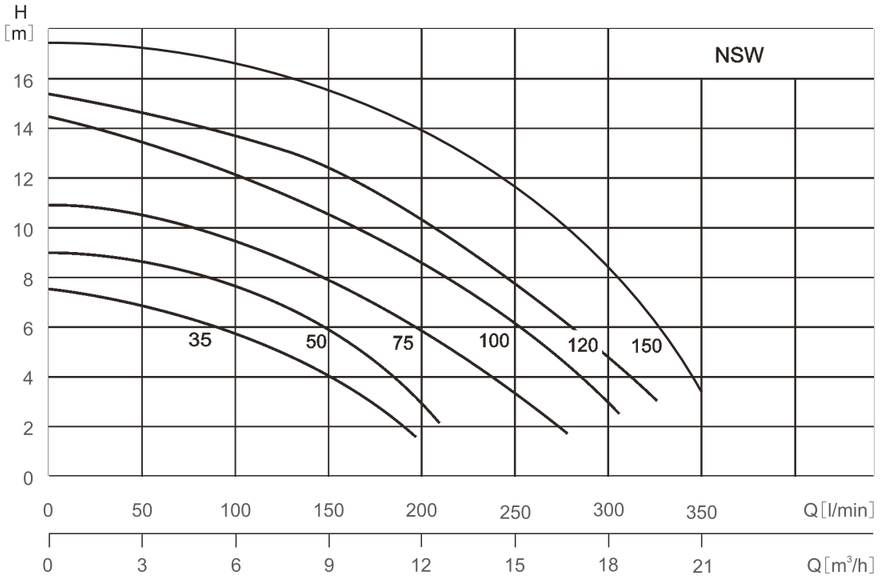
Model	P1		Max. Head	Max. Flow	Flow Q	[l/min]	150	300	450	600
	[kW]	[HP]	[m]	[m³/h]		[m³/h]	9	18	27	36
NSP150	1.1	1.5	16.5	26	Head H[m]		13.2	9.7		
NSP200	1.5	2.0	18	31			16	13.3	10.6	
NSP250	1.85	2.5	19	36			17.9	16.3	14.1	10.7
NSP300	2.2	3.0	19.5	38			18.8	17.4	15.5	12.8

NSW series

Installation sketch



Performance curve

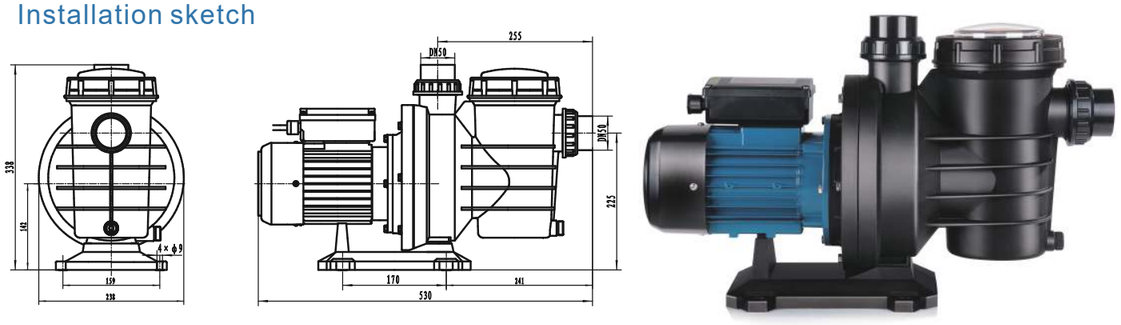


Performance table

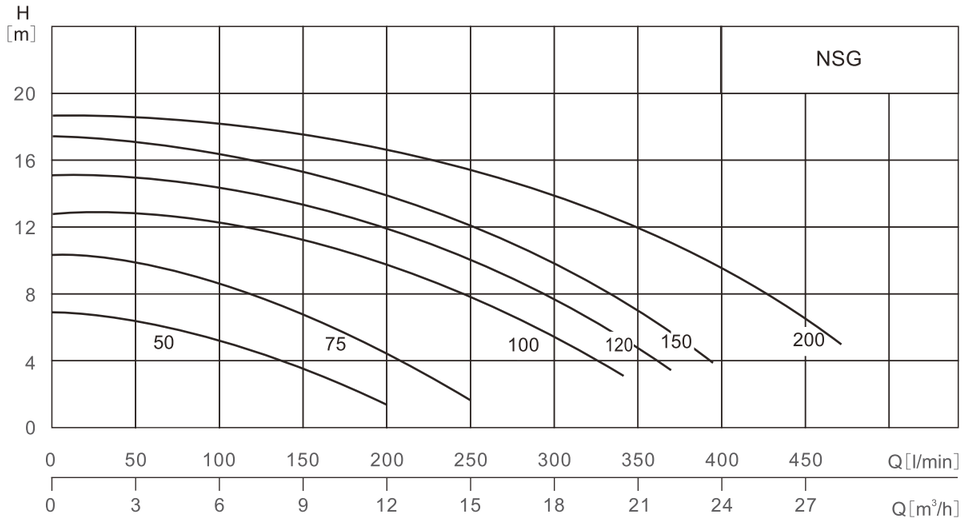
Model	P1		Max. Head	Max. Flow	Flow Q	[l/min]	50	100	150	200	250	300
	[kW]	[HP]	[m]	[m³/h]		[m³/h]	3	6	9	12	15	18
NSW35	0.25	0.35	7.5	11	Head H[m]		7	5.6	4			
NSW50	0.37	0.5	9	13			8.7	7.7	6	3		
NSW75	0.55	0.75	11	17			10.5	9.4	8	5.8	3	
NSW100	0.75	1.0	14.5	19			13.5	12.2	10.7	8.5	6.2	3
NSW120	0.9	1.2	15.5	20			14.7	13.7	12.6	10.3	7.8	4.9
NSW150	1.1	1.5	17.5	21			17.3	16.8	15.5	14	11.8	8.5

NSG series

Installation sketch



Performance curve

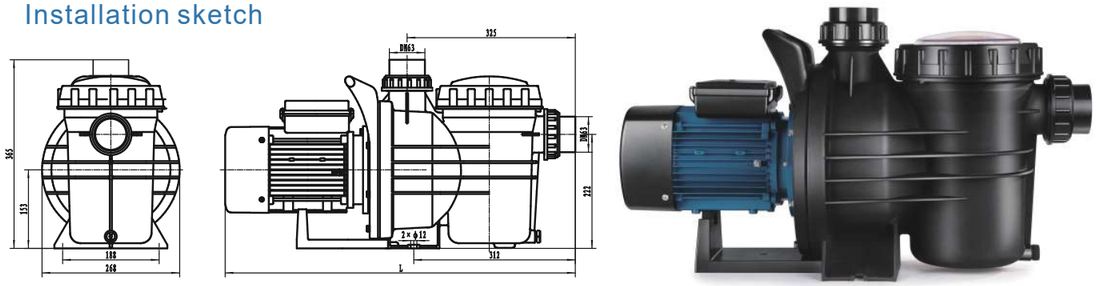


Performance table

Model	P1		Max. Head [m]	Max. Flow [m³/h]	Flow Q	[l/min]	50	150	250	350	450
	[kW]	[HP]				[m³/h]	3	9	15	21	27
NSG50	0.37	0.5	7	12	Head H[m]		6.4	3.5			
NSG75	0.55	0.75	10	15			9.8	6.9	2		
NSG100	0.75	1.0	12.5	20			12.9	11	7.8		
NSG120	0.9	1.2	15	22			15	13.2	10	4.8	
NSG150	1.1	1.5	17.5	23			17.3	15.2	12.4	7	
NSG200	1.5	2.0	18.5	28			18.5	17.6	15.2	12	7.3

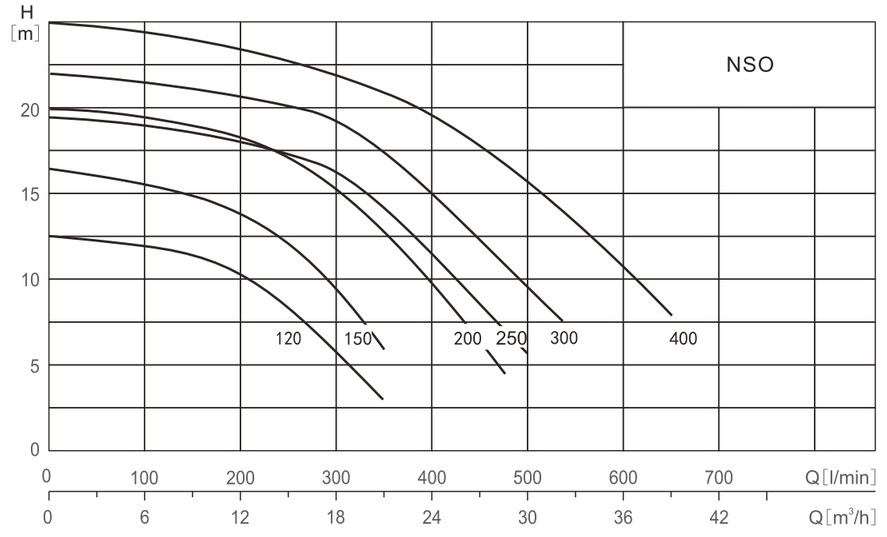
NSO series

Installation sketch



Model	NSO120	NSO150	NSO200	NSO250	NSO300	NSO400
L	643	643	643	643	656	680

Performance curve

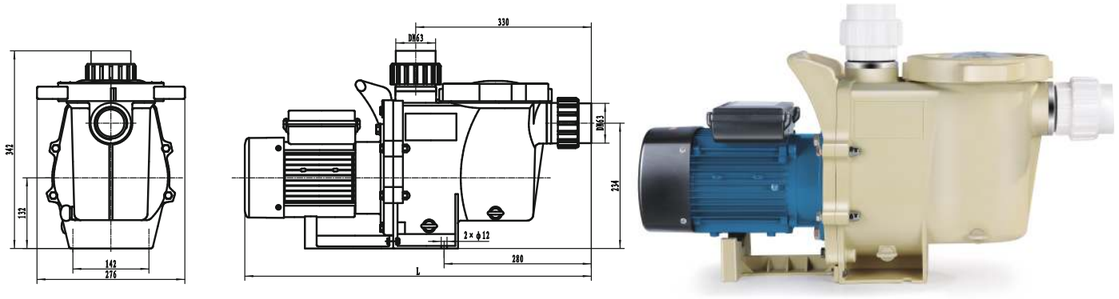


Performance table

Model	P1		Max. Head [m]	Max. Flow [m³/h]	Flow Q	[l/min]	100	200	300	400	500	600
	[kW]	[HP]				[m³/h]	6	12	18	24	30	36
NSO120	0.9	1.2	12.5	21	Head H[m]		12	10.3	5.8			
NSO150	1.1	1.5	16.5	21			15.5	13.7	9.8			
NSO200	1.5	2.0	20	27			19.3	18.4	16	11.3	4.6	
NSO250	1.85	2.5	19.5	30			19.5	18	16.3	12.7	8.4	
NSO300	2.2	3.0	22	33			21.5	20.7	19.3	16	12.5	7.5
NSO400	3.0	4.0	25	39			24.5	23.5	21.9	19.7	15.7	10.7

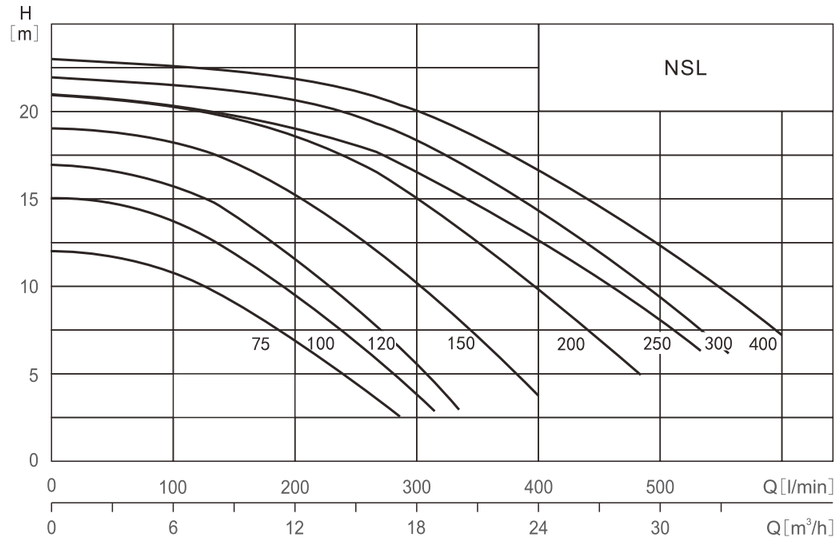
NSL series

Installation sketch



Model	NSL75	NSL100	NSL120	NSL150	NSL200	NSL250	NSL300	NSL400
L	652	652	650	652	652	652	665	685

Performance curve



Performance table

Model	P1 [kW]	P1 [HP]	Max. Head [m]	Max. Flow [m³/h]	Flow Q	[l/min]	100	200	300	400	500
						[m³/h]	6	12	18	24	30
NSL75	0.55	0.75	12	17	Head H[m]		10.8	6.9			
NSL100	0.75	1.0	15	19			13.7	9.5	3.8		
NSL120	0.9	1.2	17	20			15.7	11.5	5.5		
NSL150	1.1	1.5	19	24			18	15.4	10.5	4.7	
NSL200	1.5	2.0	21	29			20.2	18.5	15	9.8	
NSL250	1.85	2.5	21	32			20.2	18.9	16.5	12.5	8
NSL300	2.2	3.0	22	33			21.5	20.7	18.4	14.3	9.4
NSL400	3.0	4.0	23	36			22.4	21.5	19.7	13.8	12

Typical cases



Bird's Nest(Olympic stadium)



Hilton Hotel (Guangzhou)



CCTV tower



Daishan County Xiushan Seawater Desalination Project



Exported to Dubai, the Netherlands etc.



Cooperate with many universities,establish R&D center, high-level production and study platform.

TD

50Hz/60Hz

In-line circulation pump



Nanfang Zhongjin Environment Co.,Ltd.

CNP Headquarter
Address: Renhe Town, Hangzhou,China
Post code: 311107
Tel: +86 571 88637351, +86 571 86397827
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http: //www.cnppump.com

E190501
Code1500062176
subject to amendments

Stock code:300145

Pumping Water Pumping Honor









Company profile

Founded in 1991, Nanfang Zhongjin Environment Co.,Ltd. (hereinafter referred to as CNP) has been listed on the Shenzhen Stock Exchange on 9th December 2010; Stock name: CNP; Stock code: 300145.

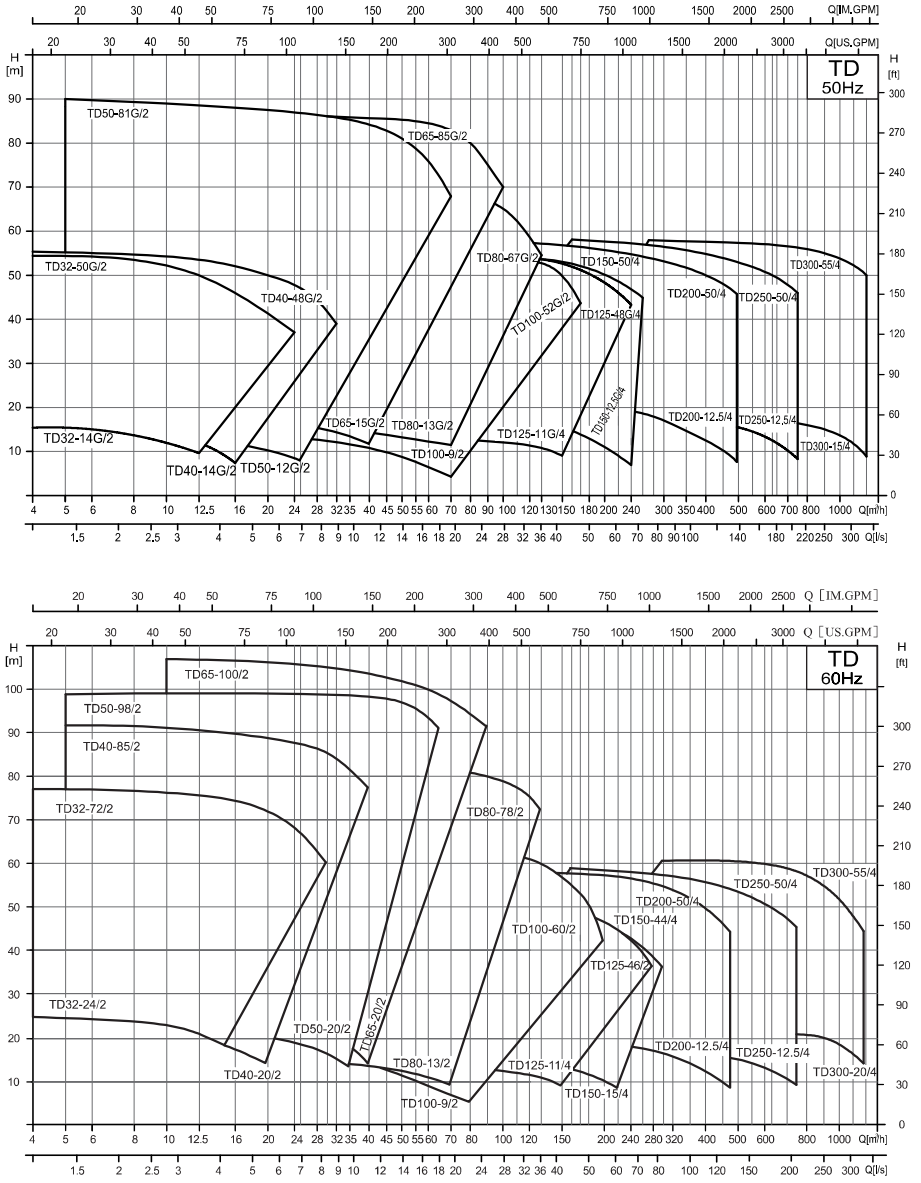
As the first enterprise specializing in the research and large-scale production of stainless steel stamping welded centrifugal pump in China, CNP is currently the professional manufacturer with the highest volume of production and marketing in that industry. It ranks first in the country in terms of product scope, sales volume, and production quality. The company has set up a complete network of marketing services to meet the requirements of overseas markets as well as domestic needs. The products have seen a wide range of application in the area of pressurization, industry, living water, cycling of air-conditioning water, heat supply, fire extinguishing system, pumping of underground water, treatment of sewage and waste water, chemical industry and desalination of sea water etc.

CNP has now entered into the fast track of development and has taken a major step forward in forging China Strong Pump Enterprise and World's famous brand in the Pump Industry. In order to better meet the client's needs and requirements for expansion, it has set up a wide network of selling and service, as well as offices and service centers in major cities in China, which are aimed at providing timely and effective services for our clients. Meanwhile, our company has successfully penetrated into the world market by forging a good business relationship with more than 50 countries and regions in the Europe, Northern American, and Southeast Asia etc.

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Performance scope



Product range

Table 1 50Hz

NO.	Model	Q [m³/h]	H [m]	n [r/min]	Standard voltage [V]	
					1×220V	3×380V
					P2[kW]	P2[kW]
1	TD32-14G/2	8	14	2900	0.75	0.75
2	TD32-18G/2	8	18		1.1	1.1
3	TD32-21G/2	12.5	21		1.5	1.5
4	TD32-26G/2	12.5	26		2.2	2.2
5	TD32-33G/2	12.5	33			3
6	TD32-40G/2	12.5	40			4
7	TD32-50G/2	12.5	50			5.5
8	TD40-14G/2	8	14		0.75	0.75
9	TD40-16G/2	12.5	16		1.1	1.1
10	TD40-21G/2	12.5	21		1.5	1.5
11	TD40-20G/2	20	20		2.2	2.2
12	TD40-26G/2	20	26			3
13	TD40-30G/2	25	30			4
14	TD40-36G/2	25	36			5.5
15	TD40-48G/2	25	48			7.5
16	TD50-32G/2	12.5	32			3
17	TD50-39G/2	12.5	39			4
18	TD50-49G/2	12.5	49			5.5
19	TD50-59G/2	12.5	59			7.5
20	TD50-80G/2	12.5	80			11
21	TD50-12G/2	16	12		1.1	1.1
22	TD50-15G/2	20	15		1.5	1.5
23	TD50-18G/2	25	18		2.2	2.2
24	TD50-24G/2	25	24			3
25	TD50-28G/2	30	28			4
26	TD50-35G/2	30	35			5.5
27	TD50-40G/2	35	40			7.5
28	TD50-50G/2	40	50			11
29	TD50-60G/2	50	60			15
30	TD50-70G/2	50	70			18.5
31	TD50-81G/2	50	81			22
32	TD65-37G/2	25	37			5.5
33	TD65-48G/2	25	48			7.5
34	TD65-15G/2	30	15		2.2	2.2
35	TD65-20G/2	30	20			3
36	TD65-22G/2	40	22			4
37	TD65-30G/2	40	30			5.5
38	TD65-34G/2	50	34			7.5
39	TD65-41G/2	50	41			11
40	TD65-51G/2	50	51			15
41	TD65-61G/2	50	61			18.5

Product range

Table 1(continued) 50Hz

NO.	Model	Q [m³/h]	H [m]	n [r/min]	Standard voltage [V]	
					1×220V	3×380V
					P2[kW]	P2[kW]
42	TD65-68G/2	50	68	2900		22
43	TD65-85G/2	50	85			30
44	TD80-41G/2	50	41			11
45	TD80-48G/2	50	48			15
46	TD80-13G/2	50	13			3
47	TD80-18G/2	50	18			4
48	TD80-23G/2	50	23			5.5
49	TD80-29G/2	50	29			7.5
50	TD80-32G/2	70	32			11
51	TD80-38G/2	80	38			15
52	TD80-47G/2	80	47			18.5
53	TD80-54G/2	80	54			22
54	TD80-67G/2	80	67			30
55	TD100-9/2	50	9		2.2	2.2
56	TD100-15/2	60	15			4
57	TD100-17G/2	80	17			5.5
58	TD100-22G/2	80	22			7.5
59	TD100-27/2	100	27			11
60	TD100-33/2	100	33			15
61	TD100-40G/2	100	40			18.5
62	TD100-48G/2	100	48			22
63	TD100-52G/2	130	52			30
64	TD125-11G/4	120	11	1450		5.5
65	TD125-14G/4	120	14			7.5
66	TD125-19G/4	140	19	1480		11
67	TD125-22G/4	160	22			15
68	TD125-28G/4	160	28			18.5
69	TD125-32G/4	160	32			22
70	TD125-40G/4	160	40			30
71	TD125-48G/4	160	48			37
72	TD150-12.5G/4	200	12.5			11
73	TD150-17G/4	200	17			15
74	TD150-22G/4	200	22			18.5
75	TD150-25/4	200	25			22
76	TD150-33/4	200	33			30
77	TD150-40/4	200	40			37
78	TD150-50/4	200	50			45
79	TD200-16/4	300	16			18.5
80	TD200-19/4	300	19			22
81	TD200-24/4	300	24			30
82	TD200-31/4	300	31			37

Product range

Table 1(continued) 50Hz

NO.	Model	Q [m³/h]	H [m]	n [r/min]	Standard voltage [V]	
					1×220V	3×380V
					P2[kW]	P2[kW]
83	TD200-36/4	300	36	1480		45
84	TD200-47/4	300	47			55
85	TD200-53/4	300	53			75
86	TD200-12.5/4	400	12.5			22
87	TD200-20/4	400	20			30
88	TD200-23/4	400	23			37
89	TD200-27/4	400	27			45
90	TD200-32/4	400	32			55
91	TD200-43/4	400	43			75
92	TD200-50/4	400	50			90
93	TD250-16/4	500	16			30
94	TD250-19/4	500	19			37
95	TD250-22/4	500	22			45
96	TD250-29/4	500	29			55
97	TD250-36/4	500	36			75
98	TD250-47/4	500	47			90
99	TD250-56/4	500	56			110
100	TD250-12.5/4	630	12.5			30
101	TD250-14/4	630	14			37
102	TD250-17/4	630	17			45
103	TD250-20/4	630	20			55
104	TD250-26/4	630	26			75
105	TD250-32/4	630	32			90
106	TD250-40/4	630	40			110
107	TD250-50/4	630	50			132
108	TD300-15/4	900	15			55
109	TD300-20/4	900	20			75
110	TD300-25/4	900	25			90
111	TD300-30/4	900	30			110
112	TD300-35/4	900	35			132
113	TD300-44/4	900	44			160
114	TD300-55/4	900	55			200

Product range

Table 2 60Hz

NO.	Model	Q [m³/h]	H [m]	n [r/min]	Standard voltage [V]	
					1×220V	3×380V
					P2[kW]	P2[kW]
1	TD32-24/2	7	24	3500	1.5	1.5
2	TD32-27/2	10	27		2.2	2.2
3	TD32-30/2	15	30			3
4	TD32-38/2	15	38			4
5	TD32-46/2	15	46			5.5
6	TD32-57/2	20	57			7.5
7	TD32-72/2	20	72			11
8	TD40-20/2	12	20		1.5	1.5
9	TD40-24/2	15	24		2.2	2.2
10	TD40-28/2	15	28			3
11	TD40-32/2	20	32			4
12	TD40-35/2	25	35			5.5
13	TD40-42/2	25	42			7.5
14	TD40-65/2	25	65			11
15	TD40-76/2	25	76			15
16	TD40-85/2	30	85		2.2	18.5
17	TD50-20/2	20	20			2.2
18	TD50-27/2	20	27			3
19	TD50-34/2	20	34			4
20	TD50-40/2	20	40			5.5
21	TD50-42/2	30	42			7.5
22	TD50-51/2	35	51			11
23	TD50-62/2	45	62			15
24	TD50-72/2	45	72			18.5
25	TD50-84/2	45	84			22
26	TD50-98/2	50	98			30
27	TD65-20/2	30	20			3
28	TD65-25/2	30	25			4
29	TD65-32/2	30	32			5.5
30	TD65-38/2	35	38			7.5
31	TD65-46/2	35	46			11
32	TD65-55/2	35	55			15
33	TD65-60/2	50	60			18.5
34	TD65-73/2	50	73			22
35	TD65-85/2	60	85			30
36	TD65-100/2	60	100			37
37	TD80-12/2	50	12			3
38	TD80-17/2	50	17			4
39	TD80-20/2	60	20			5.5
40	TD80-26/2	60	26			7.5
41	TD80-30/2	80	30			11

Product range

Table 2(continued) 60Hz

NO.	Model	Q [m³/h]	H [m]	n [r/min]	Standard voltage [V]	
					1×220V	3×380V
					P2[kW]	P2[kW]
42	TD80-38/2	80	38	3500		15
43	TD80-47/2	80	47			22
44	TD80-52/2	80	52			30
45	TD80-70/2	80	70			37
46	TD80-81/2	80	81			3
47	TD100-11/2	50	11			4
48	TD100-15/2	60	15			5.5
49	TD100-17/2	80	17			7.5
50	TD100-22/2	80	22			11
51	TD100-25/2	100	25			15
52	TD100-32/2	100	32			18.5
53	TD100-38/2	120	34			22
54	TD100-52/2	120	38			30
55	TD100-60/2	130	52			37
56	TD125-11/4	130	60			5.5
57	TD125-14/4	120	11	1750		7.5
58	TD125-20/4	120	14			11
59	TD125-24/4	120	20			15
60	TD125-28/4	120	24			18.5
61	TD125-32/4	140	28			22
62	TD125-38/4	150	32			30
63	TD125-40/4	150	38			37
64	TD125-46/4	180	40			45
65	TD150-15/4	180	46			11
66	TD150-18/4	160	15			15
67	TD150-20/4	180	18			18.5
68	TD150-24/4	200	20			22
69	TD150-32/4	200	24			30
70	TD150-36/4	200	32			37
71	TD150-44/4	200	36			45
72	TD200-12.5/4	400	44			22
73	TD200-20/4	400	12.5			30
74	TD200-23/4	400	20			37
75	TD200-27/4	400	23			45
76	TD200-32/4	400	27			55
77	TD200-43/4	400	32			75
78	TD200-50/4	400	43			90
79	TD250-14/4	630	50			37
80	TD250-17/4	630	14			45
81	TD250-20/4	630	17			55
82	TD250-26/4	630	20			75

Product range

Table 2(continued) 60Hz

NO.	Model	Q [m³/h]	H [m]	n [r/min]	Standard voltage [V]	
					1×220V	3×380V
					P2[kW]	P2[kW]
83	TD250-32/4	630	32	1750		90
84	TD250-40/4	630	40			110
85	TD250-50/4	630	50			132
86	TD300-20/4	900	20			75
87	TD300-25/4	900	25			90
88	TD300-30/4	900	30			110
89	TD300-35/4	900	35			132
90	TD300-44/4	900	44			160
91	TD300-55/4	900	55			200

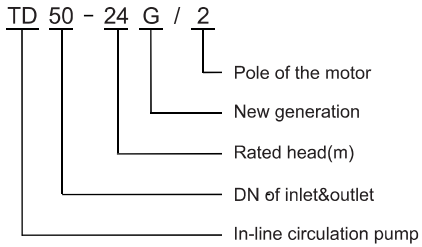
Introduction

TD pumps are single-stage in-line circulation pumps, equipped with standard motor and mechanical seal. Comparing with other pumps in similar structure, these pumps are less accessible to the impurity in the liquid.

TD pumps are designed to be pulled out from the top when disassemble. It can be repaired without affecting the pipeline.

The mechanical seal for TD200 and above is cartridge mechanical seal. Motor needn't to be disassembled when replace mechanical seal.

Model definition



Motor

TEFC,grade two、grade four motor
Protection level: IP55
Insulation grade: F
Standard power: 50Hz: 1×220-230/240V
3×200-220/346-380V
3×220-240/380-415V

Working conditions

This product is applied for thin, clean, non-flammable, non-explosive,solid free, fiber free, physically and chemically water-like liqiud. The performance curved will descend and energy consumption ill be increased if the liquid viscosity or density is beyond the required level.

Max. working pressure: 12 bar for normal type,16 bar for special type

Liquid temperature: -15℃ to 110℃

Ambient temperature: up to 40℃

Altitude: up to 1000m

Rotation direction: clockwise (looking down from motor fan)

Applications

Water treatment ultrafiltration system
RO system
Boosting system
High pressure washing system
Water supply

Minimum inlet pressure NPSH

In case that the pressure in pump is lower than the steam pressure used to convey liquid,the cavitations will occur.To avoid cavitations, a minimum pressure at the inlet side of the pump shall be guaranteed.The maximum suction can be calculated with the following formula:

H=Pb×10.2-NPSH-Hf-Hv-Hs

H—Maximum suction head(m)

Pb—Atmosphere pressure(bar)

In a closed system,Pb means system pressure(bar)

NPSH—Net positive suction head(m)

It can be read from the point of Max.flow rate shown on NPSH curve.

Hf—Pipeline loss at the inlet(m)

It is in accordance with the pipeline possible Max.flow.

Hv—Steam pressure(m)

It depends on liquid temperature and steam pressure value.

Hs—Safety margin(m)

Minimum 0.5m delivery head.

If the calculated result H is negative ,the pump may run under the Max.suction head H.In case the calculated result H is negative,adelivery head of Min.inlet pressure is necessary.

NOTE: Normally, the above calculation will not be done. H is calculated in the following conditions:

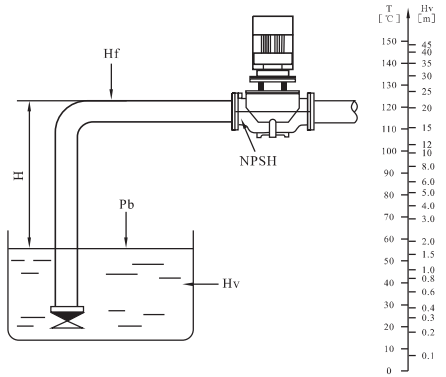
1.The liquid temperature is comparatively higher;

2.Liquid flow exceeds rated value;

3.Suction head is comparatively large or inlet pipeline long;

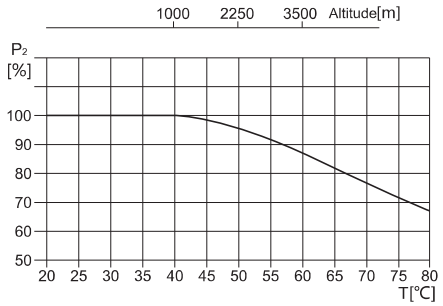
4.System pressure is too low;

5.Bad inlet condition.



Maximum ambient temperature and altitude

When the pump is operating under ambient temperature higher than 40℃ or altitude higher than 1000 m, the motor output power will be reduced due to the low air density and poor cooling effect. Motor power needs to be increased when pump running under the above condition.



Product structure

The design if the pump is pump and motor.Pump part can be pulled out.TD series are equipped with standard motor and mechanical seal.Motor is TEFC standard motor. Its major dimensions are in conformity with JB/T8680 standard.

The pump body is equal to a section of pipeline. While in maintenance,blind flange can be used to seal to pump cover which enable to the normal operation of pumps.

The flange connection dimension are in conformity with the related provisions PN16 in GB/T 17241.6 or ISO7005-2/DIN 2501.

The inlet and outlet diameters are in conformity with related standard dimensions.

The pump head is to connect motor and the pump. O ring is used to seal the pump head and the pump.

Installation requirements

TD pumps have different installation requirements.The detailsm are as below.

1.if the system pipeline can support the pumps, pumps with 2.2KW motor power(including 2.2KW) can be hung in line;if the system pipeline cannot support the pumps or the pump motor power is higher than 2.2KW, the pump must be installed in brackets or base.

2.Pumps with motor power lower than 2.2KW(including 2.2KW) can be installed horizontally or vertically to the pipelie.Pumps with motor power higher than 2.2KW, can only be installed vertically to the pipeline.(see Figure 2-A)

3.The pump installation shall not allow the system pipeline tensile force to be transferred to the pump body.

4.The pumps should be installed in the environment with sufficient cooling and the cooling air shall not be above 40℃.

5.If the pumps are installed outdoors,there should be covers to protect electric components from water.

6.For the convenience of maintenance,there should be enough space above and below the pumps.Minimum 300mm shall be kept for pumps with motor power lower than 5.5KW,and minimum 1000mm for pumps with motor power higher than 5.5KW(including 5.5KW) (see Figure 2-B)

7.To prevent noises and vibration and ensure the best operation,anti-vibration base shall be used in installation. Generally,cement base with the weight equal or bigger than 1.5×pump weight shall be adopted. (see Figure 2-C)

8.For TD32 to TD150, pumps with bases or without bases are both available for customers requirements.(See appendix TD32-TD150 for base dimensions)

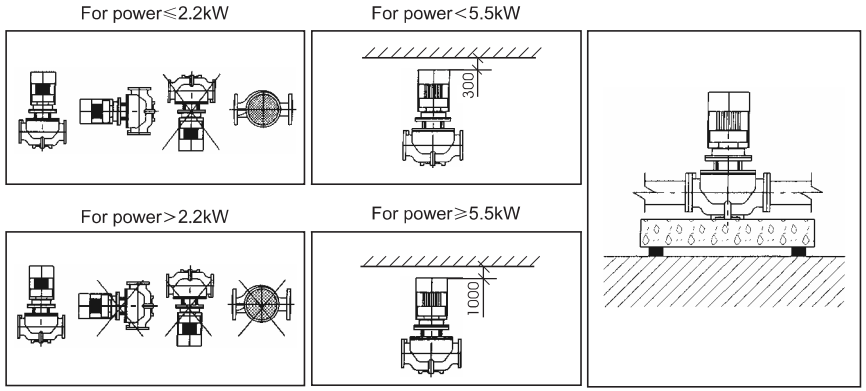
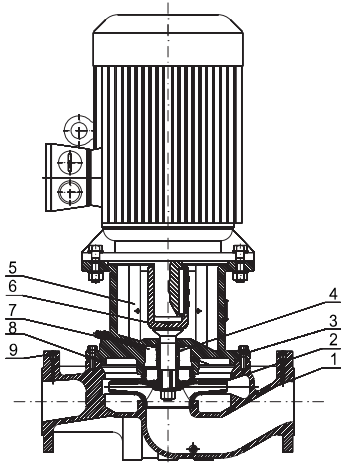


Figure 2-A　Figure 2-B　Figure 2-C

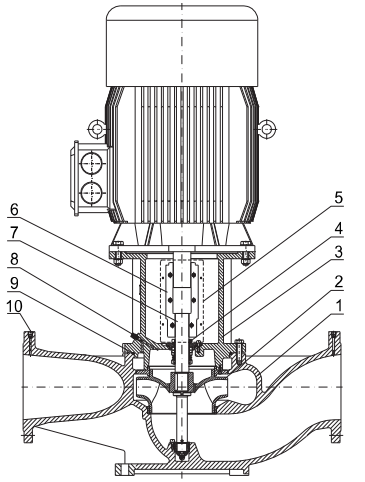
Sectional drawing of TD32-TD150 Extension Shaft



Material list of TD32-TD150 Extension Shaft

NO.	Parts	Material
1	Pump body	HT200
2	Impeller	HT200/ZG07Cr19Ni9
3	Pump head	HT200
4	Mechanical seal	Carbon/Silicon Carbide
5	Guard plate	06Cr19Ni10
6	Shaft	20Cr13
7	Air release bolt	06Cr19Ni10
8	O-ring	NBR
9	Plug	06Cr19Ni10

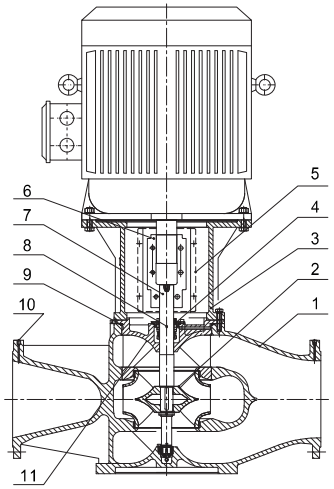
Sectional drawing of TD200-TD250 Extension Shaft



Material list of TD200-TD250 Extension Shaft

NO.	Parts	Material
1	Pump body	HT200
2	Impeller	HT200/ZG07Cr19Ni9
3	Pump head	HT200
4	Mechanical seal	Carbon/Silicon Carbide
5	Guard plate	06Cr19Ni10
6	Coupling	Cast Steel ZG270-500
7	Shaft	20Cr13
8	Air release bolt	06Cr19Ni10
9	O-ring	NBR
10	Plug	06Cr19Ni10

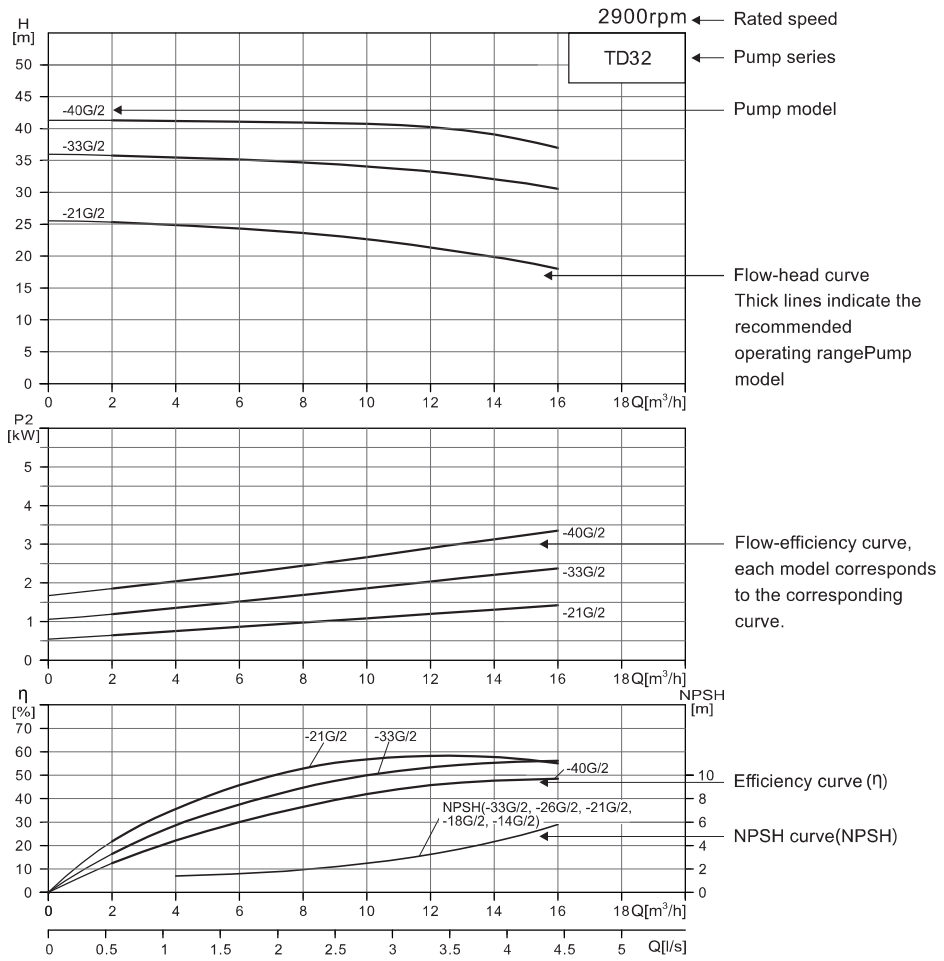
Sectional drawing of TD300 easy maintenance structure



Material list of TD300 easy maintenance structure

NO.	Parts	Material
1	Pump body	QT500-7
2	Impeller	HT200/ZG07Cr19Ni9
3	Pump head	HT200
4	Mechanical seal	Carbon/Silicon Carbide
5	Guard plate	06Cr19Ni10
6	Coupling	Cast Steel ZG270-500
7	Shaft	20Cr13
8	Air release bolt	06Cr19Ni10
9	O-ring	NBR
10	Plug	06Cr19Ni10
11	Pump cover	QT500-7

Curve chart



Curve conditions

Following conditions are suitable for the performance curves shown above.

1.All curves are based on the measured values of motor 3×380V. 50Hz: under the constant speed of 2900rpm, 1450rpm or 1480rpm; 60Hz: under the constant speed of 3500rpm, 1750rpm.

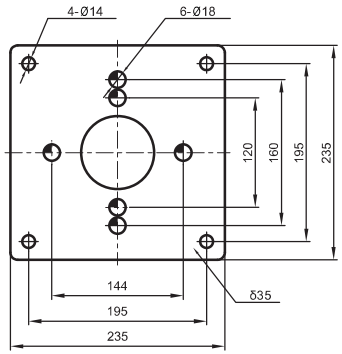
2.Curve tolerance in conformity with ISO9906:2012, Grade 3B.

3.Measurement is done with 20℃ air-free water, without impurities.

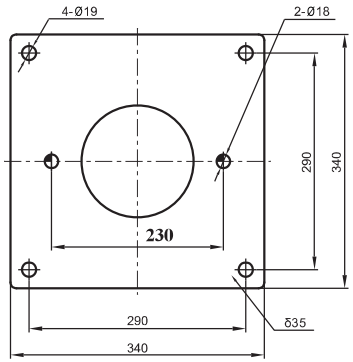
4.The operation of pump shall refer to the performance region indicated by the thickened curve to prevent overheating due to too small flow rate or overload of motor due to too large flow rate.

5.If the thickness and density of the pumped liquid is different from water ,the motor power should be adjusted.

Appendix-Base plate



Base plate A



Base plate B

50Hz

NO.	Product model	Base plate type	NO.	Product model	Base plate type	NO.	Product model	Base plate type
1	TD32-14G/2	A	27	TD50-40G/2	A	53	TD80-54G/2	A
2	TD32-18G/2	A	28	TD50-50G/2	A	54	TD80-67G/2	A
3	TD32-21G/2	A	29	TD50-60G/2	A	55	TD100-9/2	A
4	TD32-26G/2	A	30	TD50-70G/2	A	56	TD100-15/2	A
5	TD32-33G/2	A	31	TD50-81G/2	A	57	TD100-17G/2	A
6	TD32-40G/2	A	32	TD65-37G/2	A	58	TD100-22G/2	A
7	TD32-50G/2	A	33	TD65-48G/2	A	59	TD100-27/2	A
8	TD40-14G/2	A	34	TD65-15G/2	A	60	TD100-33/2	A
9	TD40-16G/2	A	35	TD65-20G/2	A	61	TD100-40G/2	B
10	TD40-21G/2	A	36	TD65-22G/2	A	62	TD100-48G/2	B
11	TD40-20G/2	A	37	TD65-30G/2	A	63	TD100-52G/2	B
12	TD40-26G/2	A	38	TD65-34G/2	A	64	TD125-11G/4	B
13	TD40-30G/2	A	39	TD65-41G/2	A	65	TD125-14G/4	B
14	TD40-36G/2	A	40	TD65-51G/2	A	66	TD125-19G/4	B
15	TD40-48G/2	A	41	TD65-61G/2	A	67	TD125-22G/4	B
16	TD50-32G/2	A	42	TD65-68G/2	A	68	TD125-28G/4	B
17	TD50-39G/2	A	43	TD65-85G/2	A	69	TD125-32G/4	B
18	TD50-49G/2	A	44	TD80-41G/2	A	70	TD125-40G/4	B
19	TD50-59G/2	A	45	TD80-48G/2	A	71	TD125-48G/4	B
20	TD50-80G/2	A	46	TD80-13G/2	A	72	TD150-12.5G/4	B
21	TD50-12G/2	A	47	TD80-18G/2	A	73	TD150-17G/4	B
22	TD50-15G/2	A	48	TD80-23G/2	A	74	TD150-22G/4	B
23	TD50-18G/2	A	49	TD80-29G/2	A	75	TD150-25/4	B
24	TD50-24G/2	A	50	TD80-32G/2	A	76	TD150-33/4	B
25	TD50-28G/2	A	51	TD80-38G/2	A	77	TD150-40/4	B
26	TD50-35G/2	A	52	TD80-47G/2	A	78	TD150-50/4	B

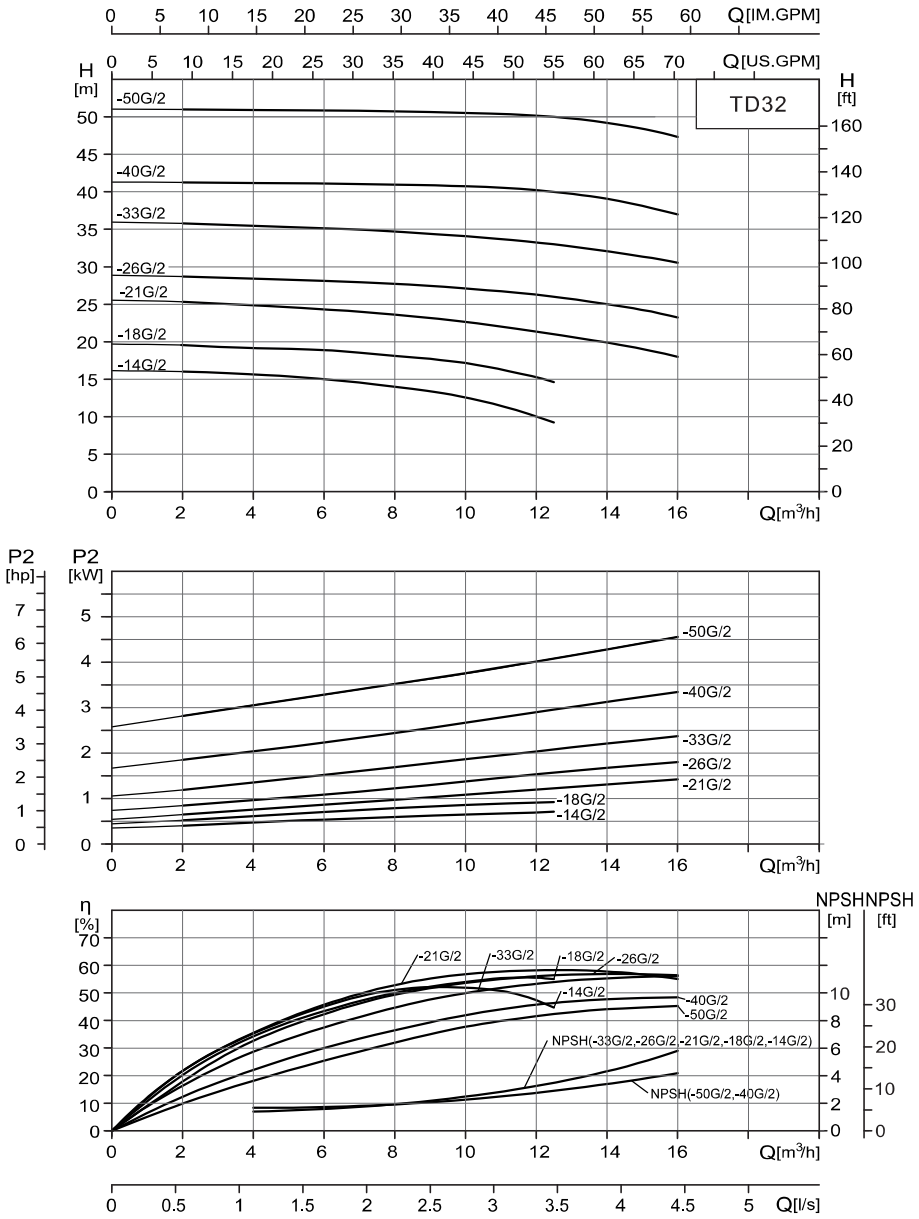
Remark: Base plate is optional part, need to note when order.

60Hz

NO.	Product model	Base plate type	NO.	Product model	Base plate type	NO.	Product model	Base plate type
1	TD32-24/2	A	25	TD50-84/2	A	49	TD100-17/2	A
2	TD32-27/2	A	26	TD50-98/2	A	50	TD100-22/2	A
3	TD32-30/2	A	27	TD65-20/2	A	51	TD100-25/2	B
4	TD32-38/2	A	28	TD65-25/2	A	52	TD100-32/2	B
5	TD32-46/2	A	29	TD65-32/2	A	53	TD100-34/2	B
6	TD32-57/2	A	30	TD65-38/2	A	54	TD100-38/2	B
7	TD32-72/2	A	31	TD65-46/2	A	55	TD100-52/2	B
8	TD40-20/2	A	32	TD65-55/2	A	56	TD100-60/2	B
9	TD40-24/2	A	33	TD65-60/2	A	57	TD125-11/4	B
10	TD40-28/2	A	34	TD65-73/2	A	58	TD125-14/4	B
11	TD40-32/2	A	35	TD65-85/2	A	59	TD125-20/4	B
12	TD40-35/2	A	36	TD65-100/2	A	60	TD125-24/4	B
13	TD40-42/2	A	37	TD80-12/2	A	61	TD125-28/4	B
14	TD40-65/2	A	38	TD80-17/2	A	62	TD125-32/4	B
15	TD40-76/2	A	39	TD80-20/2	A	63	TD125-38/4	B
16	TD40-85/2	A	40	TD80-26/2	A	64	TD125-40/4	B
17	TD50-20/2	A	41	TD80-30/2	A	65	TD125-46/4	B
18	TD50-27/2	A	42	TD80-38/2	A	66	TD150-15/4	B
19	TD50-34/2	A	43	TD80-47/2	A	67	TD150-18/4	B
20	TD50-40/2	A	44	TD80-52/2	A	68	TD150-20/4	B
21	TD50-42/2	A	45	TD80-70/2	A	69	TD150-24/4	B
22	TD50-51/2	A	46	TD80-81/2	A	70	TD150-32/4	B
23	TD50-62/2	A	47	TD100-11/2	A	71	TD150-36/4	B
24	TD50-72/2	A	48	TD100-15/2	A	72	TD150-44/4	B

Remark: Base plate is optional part, need to note when order.

Performance curve

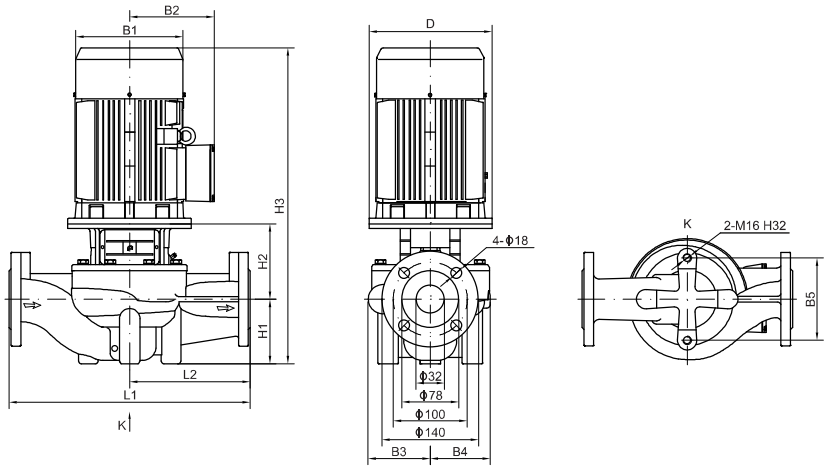


TD32 Performance table

50Hz

Model	Motor (kW)	Q (m^3/h)	2	4	6	8	10	12.5	14	16
TD32-14G/2	0.75	H (m)	16	15.7	15.1	14	12.6	9.3		
TD32-18G/2	1.1		19.6	19.3	18.9	18	17.2	14.6		
TD32-21G/2	1.5		25.3	24.9	24.3	23.6	22.6	21	19.9	18
TD32-26G/2	2.2		28.7	28.4	28.1	27.7	27.1	26	25	23.2
TD32-33G/2	3		35.8	35.5	35.1	34.7	34.1	33	32.1	30.6
TD32-40G/2	4		41.3	41.2	41.1	41	40.7	40	39.1	37
TD32-50G/2	5.5		51	50.9	50.8	50.7	50.5	50	49.2	47.3

Installation sketch

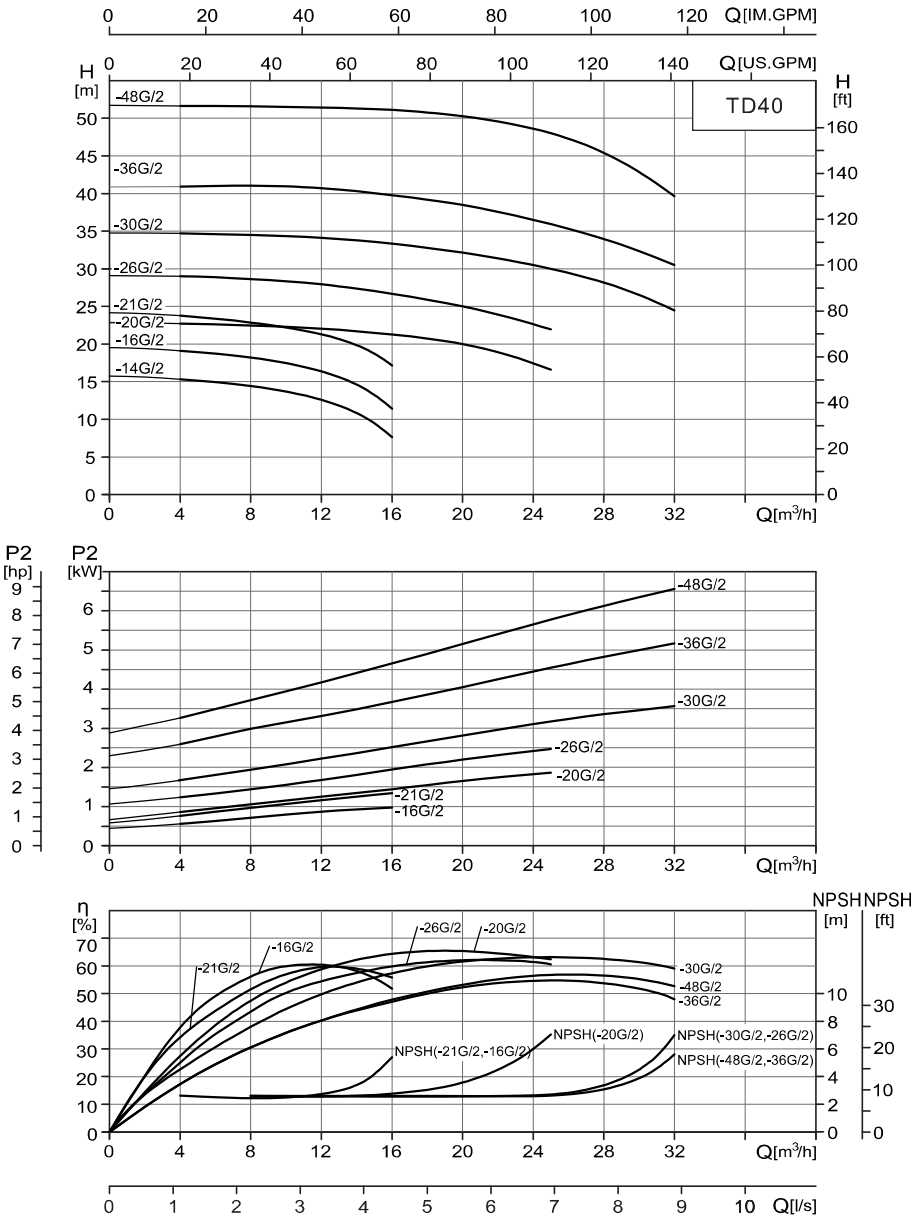


Dimensions and weights

Model	Dimension(mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
TD32-14G/2	120	151	125	101	101	144	90	135	469	320	160	33
TD32-18G/2	120	151	125	101	101	144	90	135	469	320	160	34
TD32-21G/2	140	171	137	101	101	144	90	137	514	320	160	38
TD32-26G/2	140	171	137	101	101	144	90	137	514	320	160	42
TD32-33G/2	160	196	150	109	109	144	90	145	572	340	170	52
TD32-40G/2	160	214	169	128	128	144	100	151	593	360	180	65
TD32-50G/2	200	257	190	128	128	144	100	173	656	360	180	84

Note: The dimension of single-phase motor and explosion-proof motor will change. Please consult our company for more details.

Performance curve

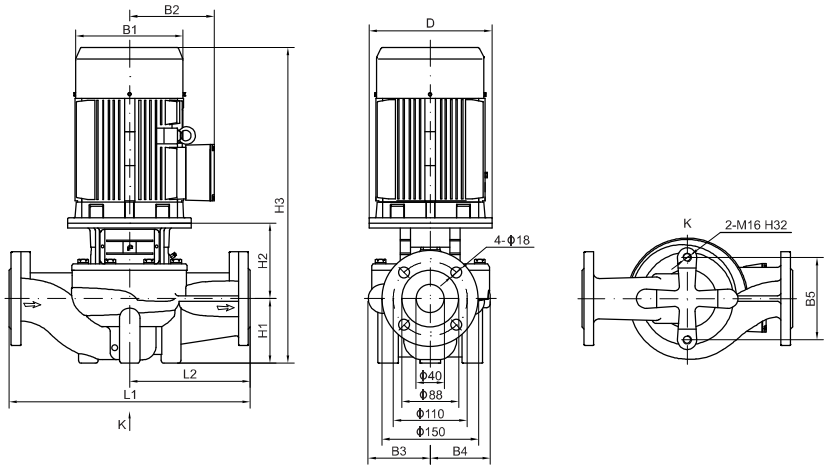


TD40 Performance table

50Hz

Model	Motor (kW)	Q (m³/h)	4	8	12.5	16	20	25	28	32
TD40-14G/2	0.75	H (m)	15.4	14	10.2					
TD40-16G/2	1.1		19.1	18.2	16	11.4				
TD40-21G/2	1.5		23.8	22.9	21	17.1				
TD40-20G/2	2.2		22.7	22.5	22	21.3	20	16.6		
TD40-26G/2	3		29	28.6	27.8	26.7	25	21.9		
TD40-30G/2	4		34.7	34.5	34.1	33.4	32.2	30	28.2	24.5
TD40-36G/2	5.5		40.9	41	40.7	39.8	38.5	36	34.1	30.5
TD40-48G/2	7.5		51.6	51.6	51.4	51.1	50.3	48	45.4	39.6

Installation sketch

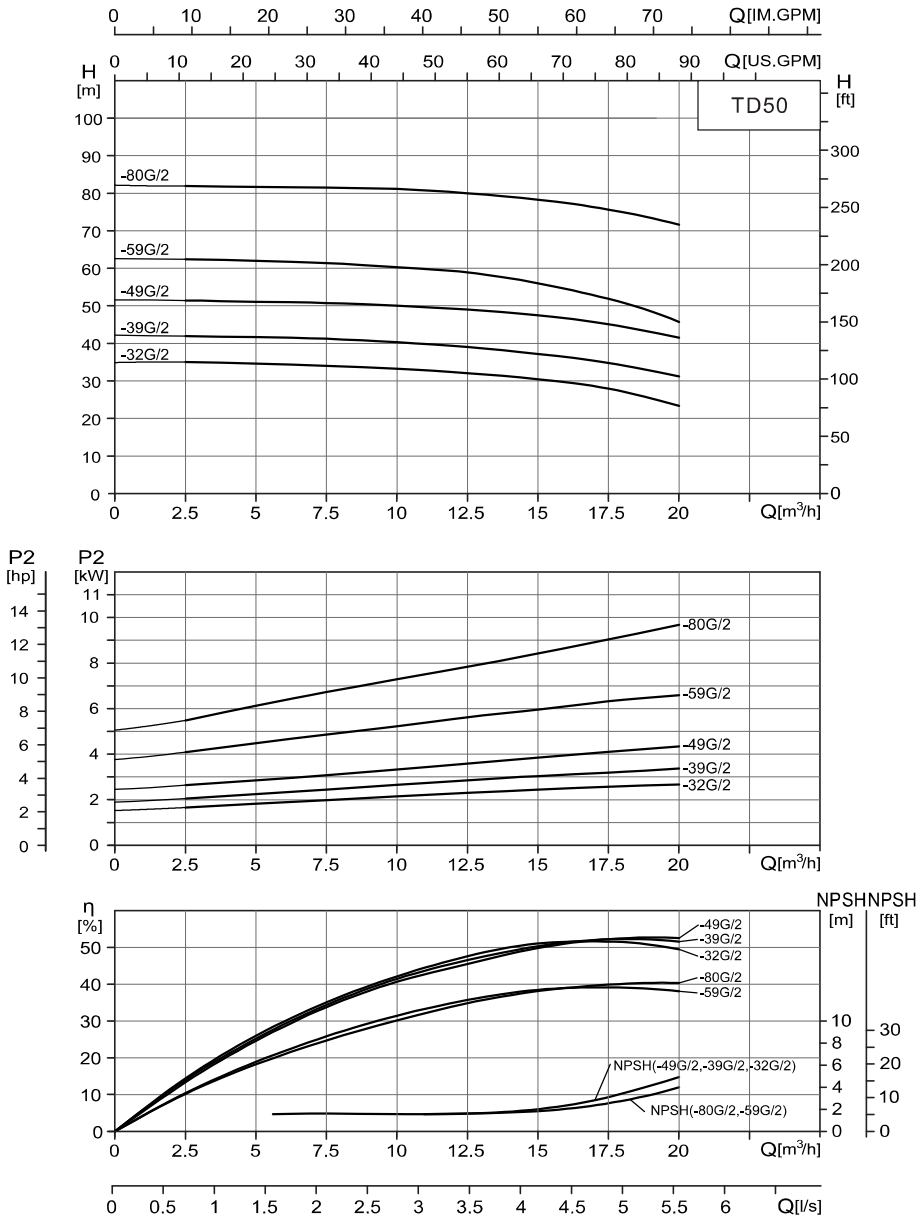


Dimensions and weights

Model	Dimension(mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
TD40-14G/2	122	151	125	98	95	120	68	139	451	320	160	31
TD40-16G/2	122	151	125	98	95	120	68	139	451	320	160	32
TD40-21G/2	140	171	137	98	95	120	68	149	504	320	160	38
TD40-20G/2	140	171	137	105	95	144	85	144	516	320	160	43
TD40-26G/2	160	196	150	116	109	144	85	156	578	340	170	54
TD40-30G/2	160	214	169	116	109	144	85	156	583	340	170	62
TD40-36G/2	200	257	190	133	128	144	90	181	654	380	190	85
TD40-48G/2	200	257	190	133	128	144	90	181	654	380	190	94

Note: The dimension of single-phase motor and explosion-proof motor will change. Please consult our company for more details.

Performance curve

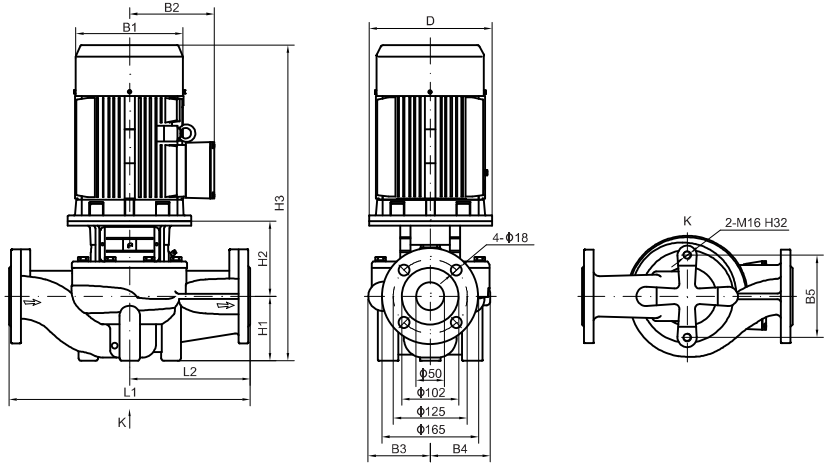


TD50 Performance table

50Hz

Model	Motor (kW)	Q (m³/h)	2.5	5	7.5	10	12.5	15	17.5	20
TD50-32G/2	3	H (m)	35	34.6	34	33.2	33	30.5	27.9	23.3
TD50-39G/2	4		41.9	41.7	41.3	40.2	39	37.2	34.8	31.2
TD50-49G/2	5.5		51.6	51.2	50.7	50	49	47.5	45.1	41.5
TD50-59G/2	7.5		62.4	62.1	61.4	60.3	59	56.1	51.9	45.7
TD50-80G/2	11		81.9	81.7	81.5	81.1	80	78.3	75.7	71.6

Installation sketch

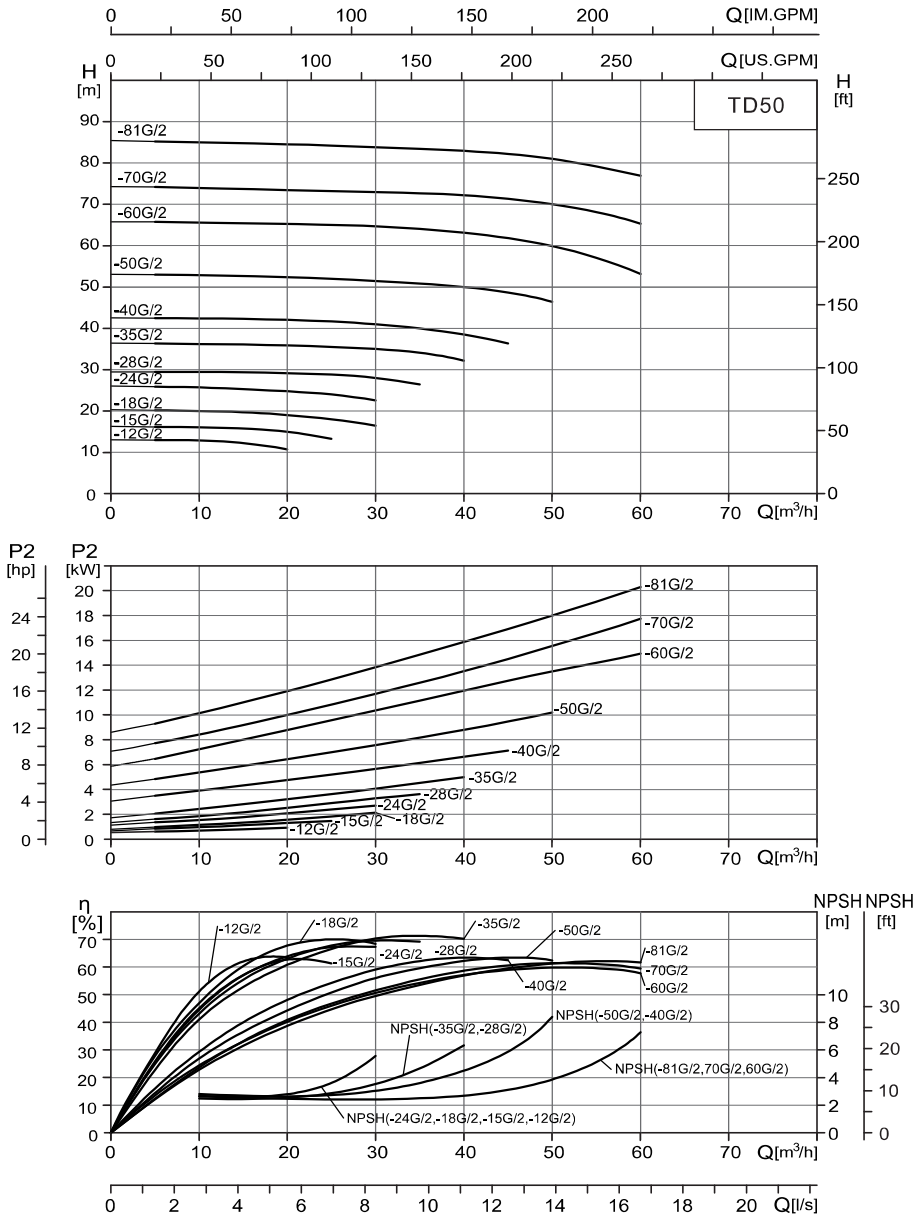


Dimensions and weights

Model	Dimension(mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
TD50-32G/2	160	196	150	128	128	144	105	150	592	400	200	64
TD50-39G/2	160	214	169	128	128	144	105	150	597	400	200	71
TD50-49G/2	200	257	190	128	128	144	105	172	660	400	200	88
TD50-59G/2	200	257	190	163	163	144	105	178	666	440	220	112
TD50-80G/2	350	314	261	163	163	144	105	222	783	440	220	184

Note: The dimension of single-phase motor and explosion-proof motor will change. Please consult our company for more details.

Performance curve

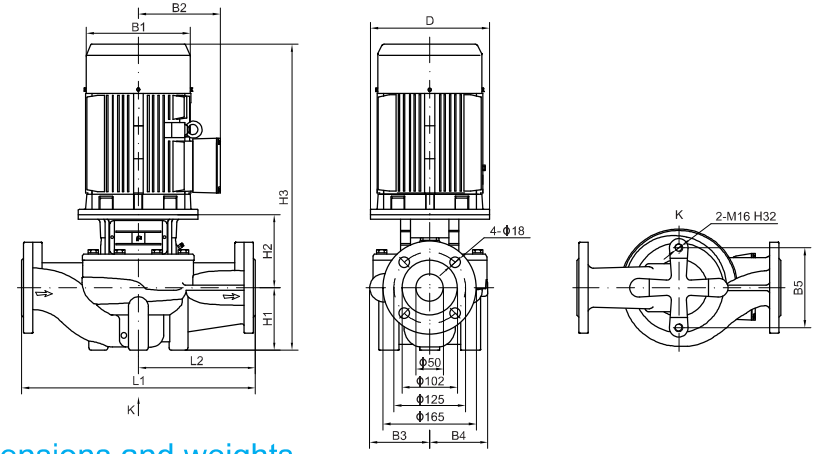


TD50 Performance table

50Hz

Model	Motor (kW)	Q (m³/h)	5	10	16	20	25	30	35	40	45	50	60
TD50-12G/2	1.1	H (m)	13	12.9	12	10.7							
TD50-15G/2	1.5		16.1	16.1	15.6	15	13.3						
TD50-18G/2	2.2		20.2	20	19.6	19	18	16.4					
TD50-24G/2	3		25.9	25.7	25.2	24.8	24	22.6					
TD50-28G/2	4		29.5	29.5	29.3	29.2	28.8	28	26.4				
TD50-35G/2	5.5		36.3	36.2	36	35.9	35.5	35	34.1	32.2			
TD50-40G/2	7.5		42.5	42.4	42.2	42.1	41.7	41	40	38.5	36.4		
TD50-50G/2	11		53	52.9	52.6	52.4	52	51.5	50.9	50	48.7	48.4	
TD50-60G/2	15		65.8	65.7	65.7	65.6	65.3	64.7	63.9	62.8	61.6	60	53.2
TD50-70G/2	18.5		73.7	73.6	73.4	73.3	73.1	72.9	72.5	72	71.2	70	65.4
TD50-81G/2	22		85.5	85.3	85	84.8	84.5	84	83.5	82.8	82.1	81	77.1

Installation sketch

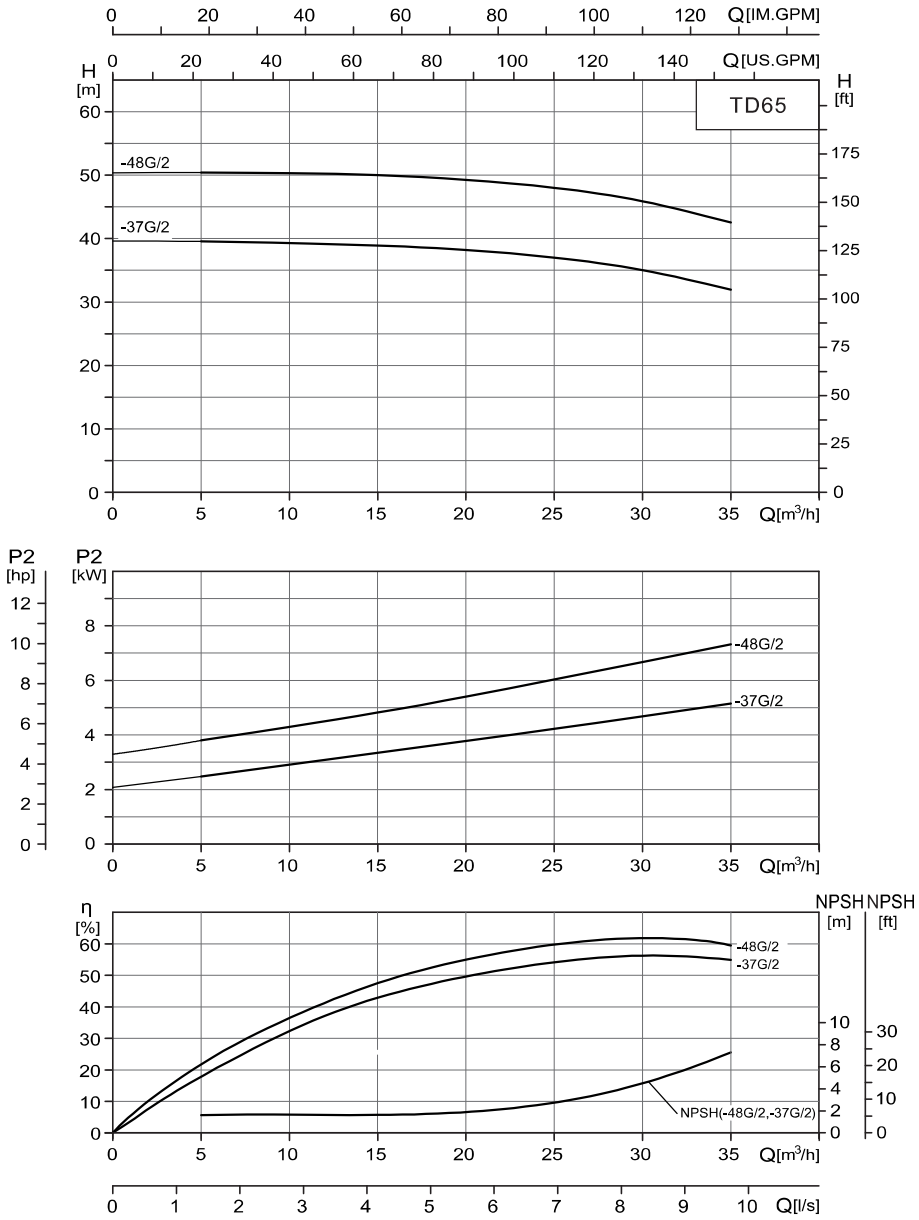


Dimensions and weights

Model	Dimension(mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
TD50-12G/2	120	151	125	114	101	144	105	135	484	340	170	37
TD50-15G/2	140	171	137	114	101	144	105	137	529	340	170	42
TD50-18G/2	140	171	137	114	101	144	105	137	529	340	170	45
TD50-24G/2	160	196	150	114	101	144	105	147	589	340	170	55
TD50-28G/2	160	214	169	118	109	144	105	152	599	340	170	64
TD50-35G/2	200	257	190	118	109	144	105	175	663	340	170	81
TD50-40G/2	200	257	190	142	138	144	105	175	663	400	200	98
TD50-50G/2	350	314	261	142	138	144	105	225	830	400	200	173
TD50-60G/2	350	314	261	171	163	144	115	225	840	440	220	196
TD50-70G/2	350	314	261	171	163	144	115	225	884	440	220	203
TD50-81G/2	350	355	273	171	163	144	115	225	917	440	220	256

Note: The dimension of single-phase motor and explosion-proof motor will change. Please consult our company for more details.

Performance curve

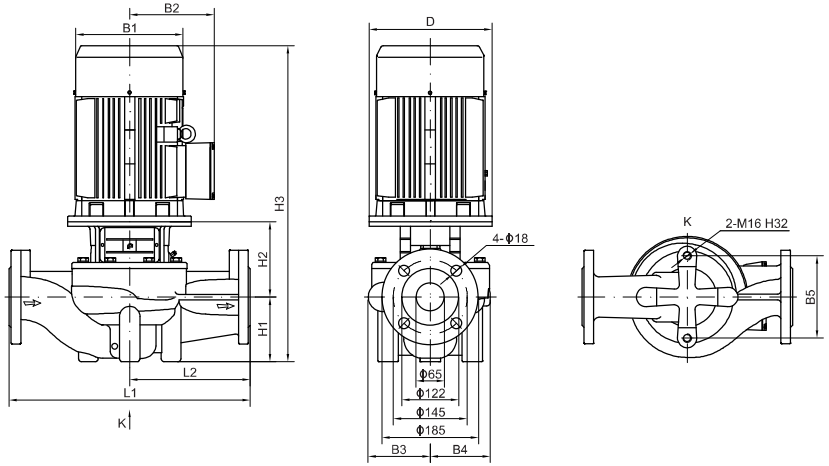


TD65 Performance table

50Hz

Model	Motor (kW)	Q (m³/h)	5	10	15	20	25	30	35
TD65-37G/2	5.5	H (m)	39.6	39.3	39	38.2	37	35	32.1
TD65-48G/2	7.5		50.4	50.3	50	49.3	48	45.9	42.6

Installation sketch

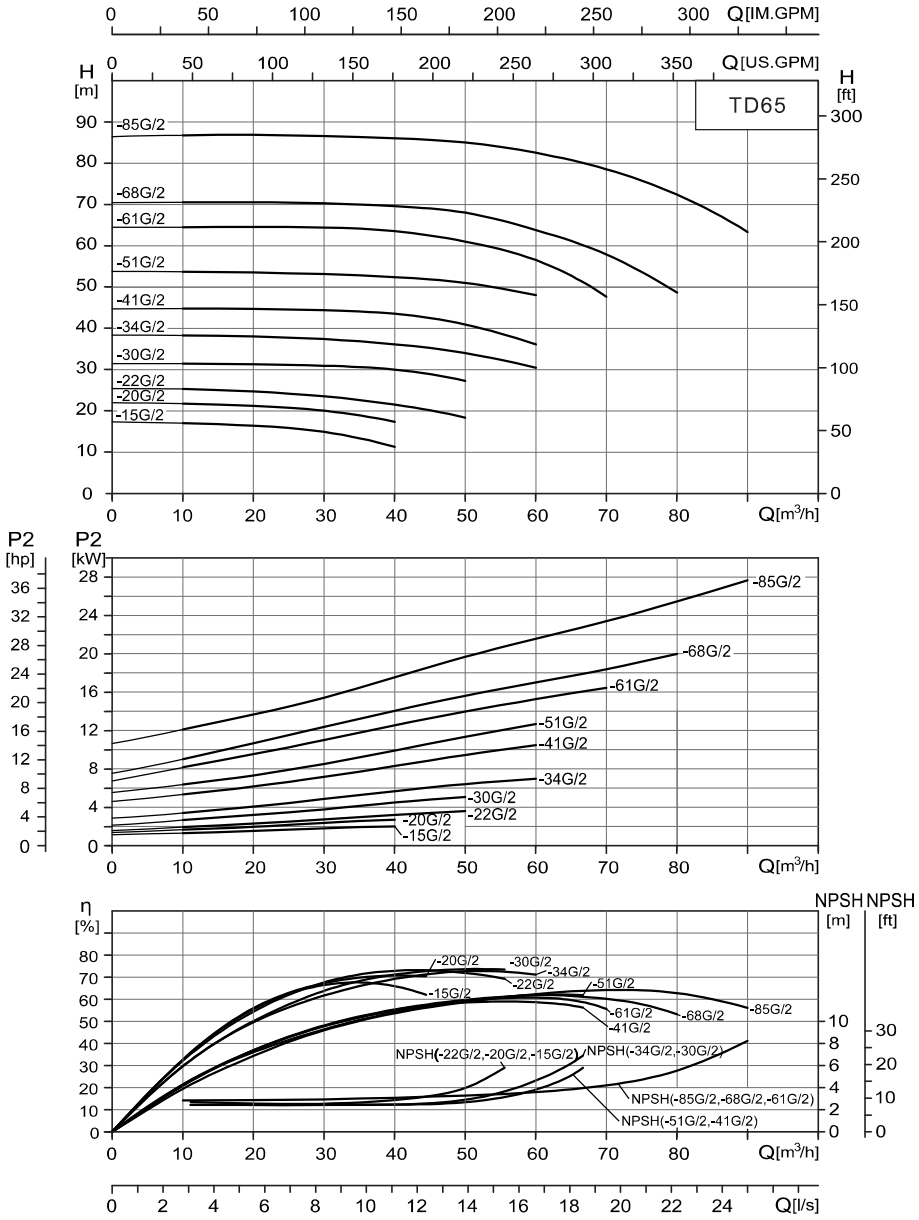


Dimensions and weights

Model	Dimension(mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
TD65-37G/2	200	257	190	128	128	144	105	180	668	400	200	90
TD65-48G/2	200	257	190	128	128	144	105	180	668	400	200	98

Note: The dimension of single-phase motor and explosion-proof motor will change. Please consult our company for more details.

Performance curve

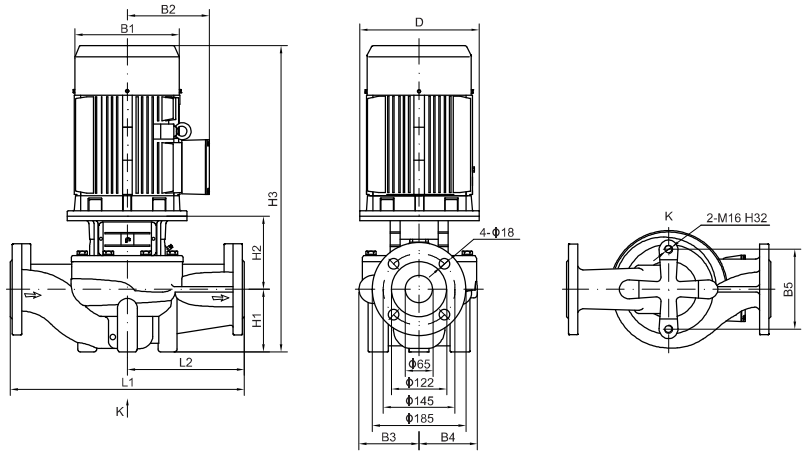


TD65 Performance table

50Hz

Model	Motor (kW)	Q (m³/h)	10	20	30	40	50	60	70	80	90
TD65-15G/2	2.2	H (m)	17.1	16.4	15	11.3					
TD65-20G/2	3		21.8	21.2	20	17.4					
TD65-22G/2	4		25.1	24.8	23.9	22	18.4				
TD65-30G/2	5.5		31.5	31.3	31	30	27.3				
TD65-34G/2	7.5		38.3	38	37.4	36.1	34	30.5			
TD65-41G/2	11		44.8	44.7	44.4	43.5	41	36.1			
TD65-51G/2	15		53.7	53.5	53.1	52.4	51	48			
TD65-61G/2	18.5		64.5	64.6	64.4	63.5	61	56.5	47.6		
TD65-68G/2	22		70.5	70.5	70.3	69.6	68	63.8	58	48.6	
TD65-85G/2	30		86.7	86.7	86.5	86	85	82.5	78.5	72.4	63.3

Installation sketch

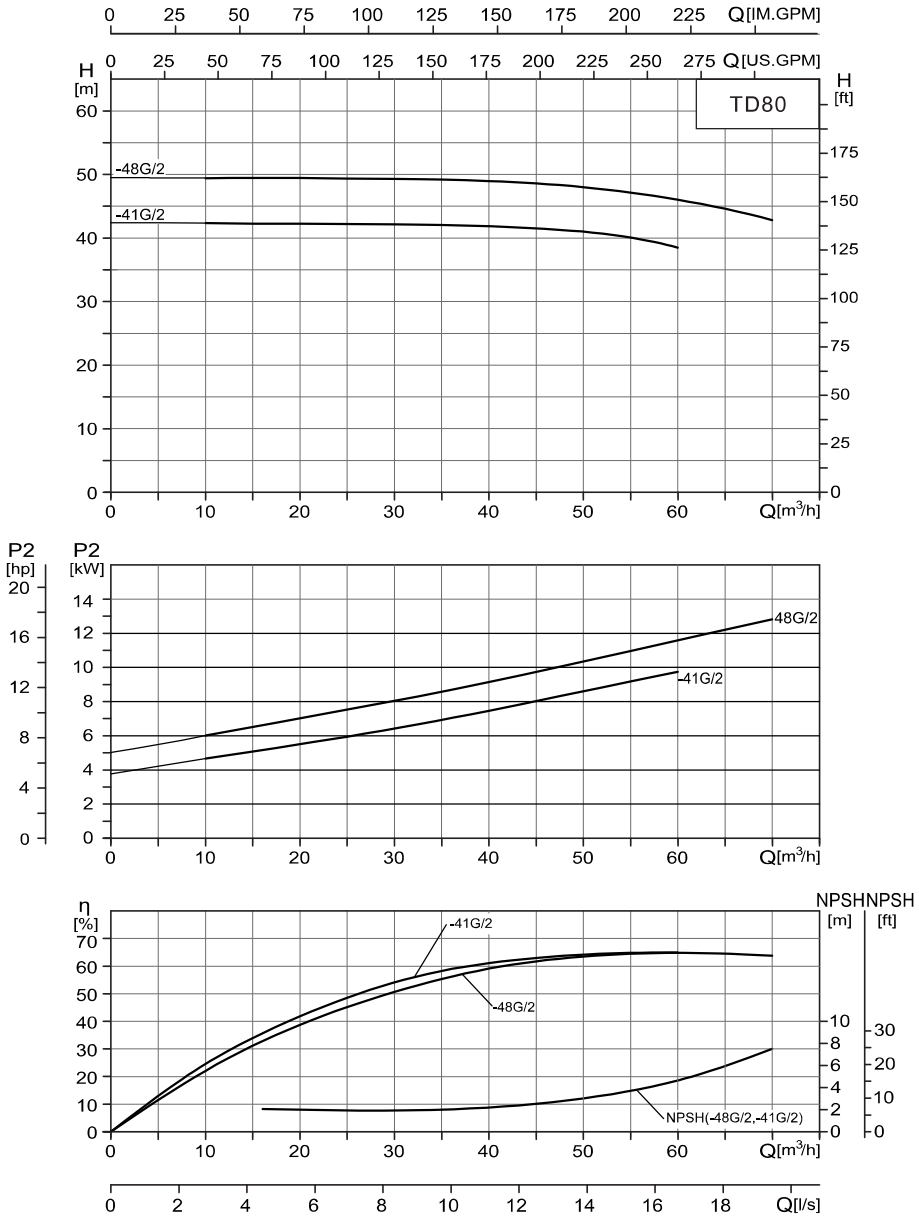


Dimensions and weights

Model	Dimension(mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
TD65-15G/2	140	171	137	116	101	144	105	153	545	340	170	48
TD65-20G/2	160	196	150	116	101	144	105	163	605	340	170	57
TD65-22G/2	160	214	169	116	101	144	105	163	610	340	170	64
TD65-30G/2	200	257	190	131	115	144	105	194	682	360	180	85
TD65-34G/2	200	257	190	131	115	144	105	194	682	360	180	94
TD65-41G/2	350	314	261	148	138	144	105	234	839	400	200	173
TD65-51G/2	350	314	261	148	138	144	105	234	839	400	200	188
TD65-61G/2	350	314	261	174	162	160	125	228	897	475	238	208
TD65-68G/2	350	355	273	174	162	160	125	228	930	475	238	260
TD65-85G/2	400	397	314	174	162	160	125	231	1008	475	238	322

Note: The dimension of single-phase motor and explosion-proof motor will change. Please consult our company for more details.

Performance curve

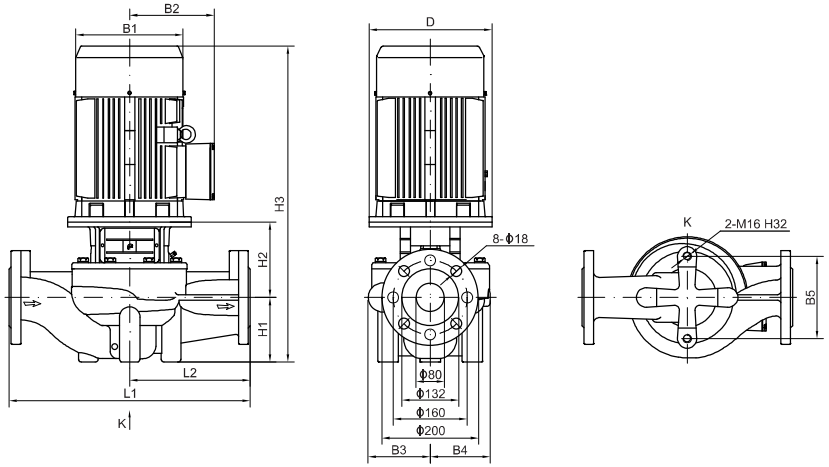


TD80 Performance table

50Hz

Model	Motor (kW)	Q (m³/h)	10	20	30	40	50	60	70
TD80-41G/2	11	H	42.3	42.2	42.1	41.8	41	38.4	
TD80-48G/2	15	(m)	49.4	49.4	49.3	49	48	46	42.8

Installation sketch

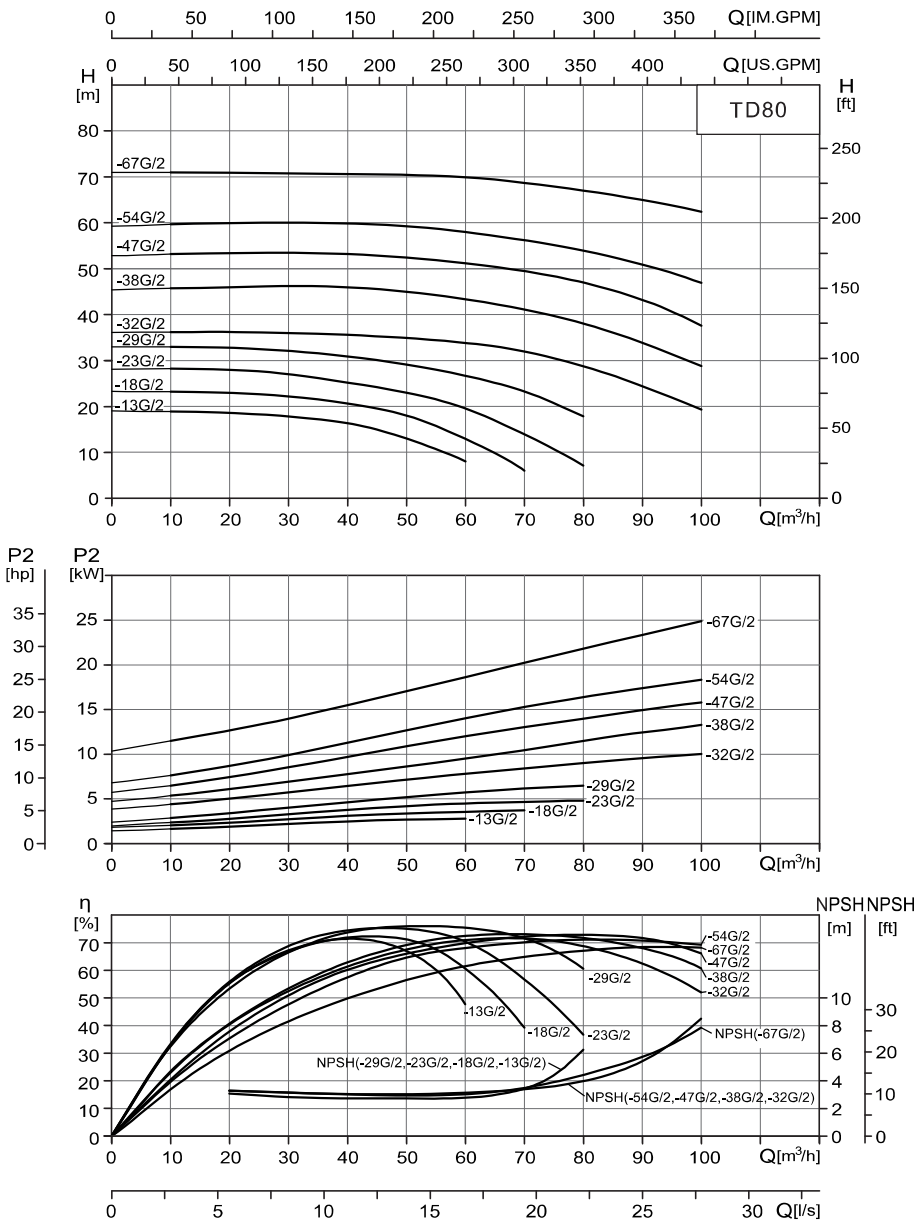


Dimensions and weights

Model	Dimension(mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
TD80-41G/2	350	314	261	137	128	144	115	221	836	500	250	176
TD80-48G/2	350	314	261	137	128	144	115	221	836	500	250	191

Note: The dimension of single-phase motor and explosion-proof motor will change. Please consult our company for more details.

Performance curve

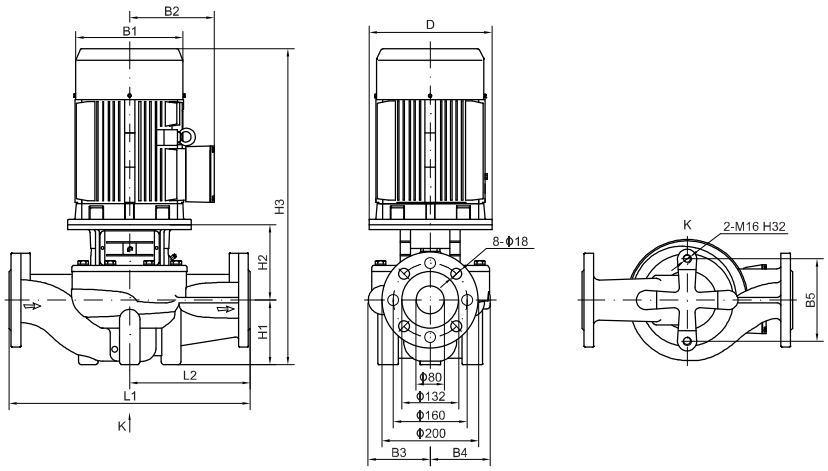


TD80 Performance table

50Hz

Model	Motor (kW)	Q (m³/h)	10	20	30	40	50	60	70	80	90	100
TD80-13G/2	3	H (m)	18.9	18.6	17.8	16.3	13	8				
TD80-18G/2	4		23.2	23	22.2	20.6	18	12.9	6			
TD80-23G/2	5.5		28.2	28	27	25.2	23	19.5	13.9	7.1		
TD80-29G/2	7.5		33	32.8	32.1	30.9	29	26.7	23.2	17.8		
TD80-32G/2	11		36.2	36.2	36	35.6	34.9	33.8	32	28.7	24.4	19.3
TD80-38G/2	15		45.7	45.9	46.2	45.9	45	43.3	41.1	38	33.8	28.8
TD80-47G/2	18.5		53.2	53.4	53.4	53.2	52.4	51.2	49.4	47	43.2	37.6
TD80-54G/2	22		59.7	59.9	60	59.8	59.2	58	56.2	54	50.9	46.9
TD80-67G/2	30		71	70.9	70.8	70.6	70.4	69.9	68.7	67	65	62.3

Installation sketch

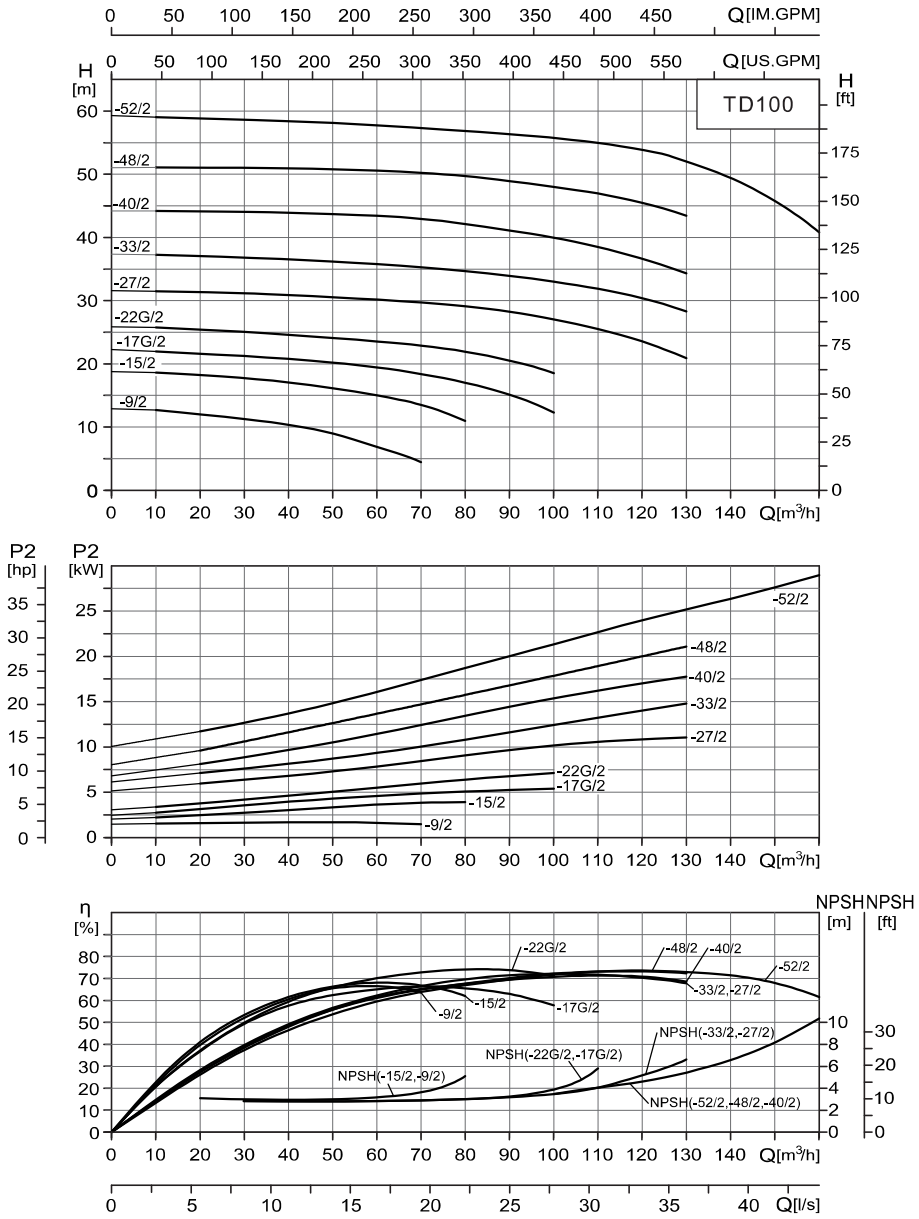


Dimensions and weights

Model	Dimension(mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
TD80-13G/2	160	196	150	134	112	144	105	171	613	400	200	63
TD80-18G/2	160	214	169	134	112	144	105	171	618	400	200	70
TD80-23G/2	200	257	190	134	112	144	105	195	683	400	200	87
TD80-29G/2	200	257	190	134	112	144	105	195	683	400	200	95
TD80-32G/2	350	314	261	159	138	144	115	240	855	450	225	179
TD80-38G/2	350	314	261	159	138	144	115	240	855	450	225	194
TD80-47G/2	350	314	261	159	138	144	115	240	899	450	225	203
TD80-54G/2	350	355	273	159	138	144	115	240	932	450	225	256
TD80-67G/2	400	397	314	180	162	160	115	242	1017	500	250	324

Note: The dimension of single-phase motor and explosion-proof motor will change. Please consult our company for more details.

Performance curve

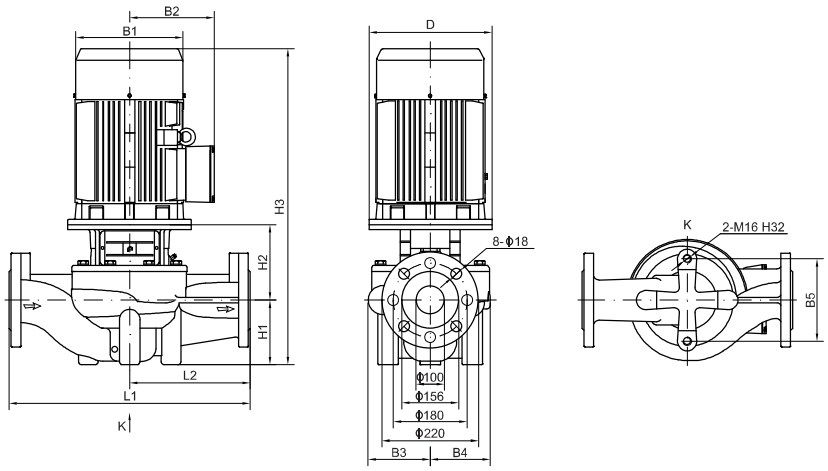


TD100 Performance table

50Hz

Model	Motor (kW)	Q (m³/h)	10	20	30	40	50	60	70	80	90	100	110	120	130	145	160
TD100-9/2	2.2	H (m)	13.9	13.2	12.2	10.8	9	6.8	4.4								
TD100-15/2	4		18.6	18.2	17.7	17.1	16.2	15	13.4	11							
TD100-17G/2	5.5		21.9	21.6	21.2	20.8	20	19.4	18.4	17	15.1	12.3					
TD100-22G/2	7.5		25.7	25.5	25	24.6	24.1	23.6	22.9	21.9	20.5	18.6					
TD100-27/2	11		31.5	31.3	31.1	30.9	30.7	30.3	29.8	29.2	28.2	27	25.5	23.6	20.8		
TD100-33/2	15		37.1	37	36.8	36.6	36.2	35.8	35.3	34.7	33.9	33	31.7	30.1	27.9		
TD100-40G/2	18.5		44.1	44.1	44	43.9	43.7	43.4	42.9	42.1	41.1	40	38.5	36.6	34.3		
TD100-48G/2	22		51.2	51.1	51	51	50.8	50.6	50.2	49.7	48.9	48	47.0	45.5	43.5		
TD100-52G/2	30		59.1	58.9	58.7	58.4	58.2	57.8	57.3	56.9	56.4	55.8	55	53.9	52	47.7	40.8

Installation sketch

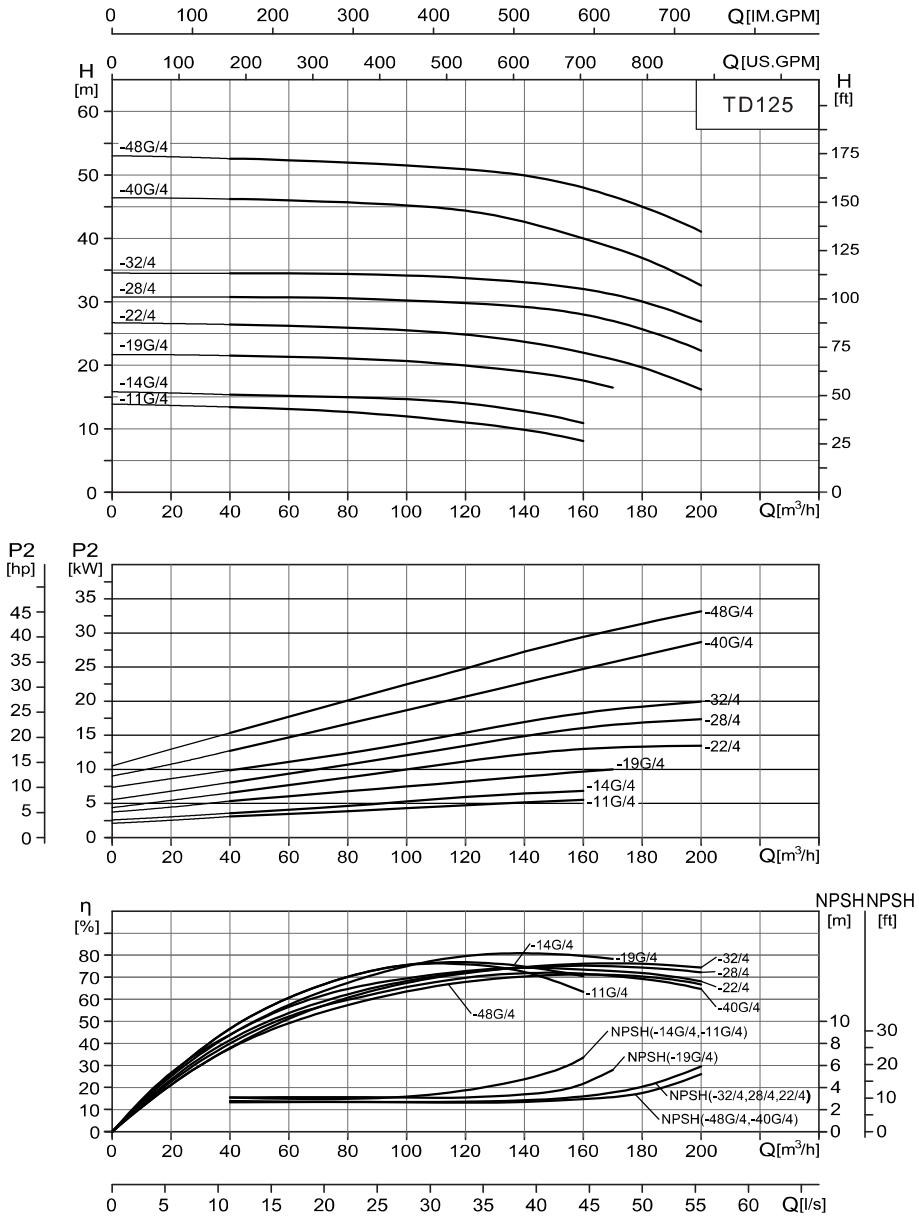


Dimensions and weights

Model	Dimension(mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
TD100-9/2	140	171	137	134	101	160	105	178	570	450	225	56
TD100-15/2	160	214	169	134	101	160	105	190	637	450	225	73
TD100-17G/2	200	257	190	146	118	144	120	199	702	450	225	96
TD100-22G/2	200	257	190	146	118	144	120	199	702	450	225	104
TD100-27/2	350	314	261	147	123	144	140	260	900	550	275	187
TD100-33/2	350	314	261	147	123	144	140	260	900	550	275	202
TD100-40G/2	350	314	261	181	152	230	140	270	954	550	275	220
TD100-48G/2	350	355	273	181	152	230	140	270	987	550	275	273
TD100-52G/2	400	397	314	181	152	230	140	270	1062	550	275	336

Note: The dimension of single-phase motor and explosion-proof motor will change. Please consult our company for more details.

Performance curve

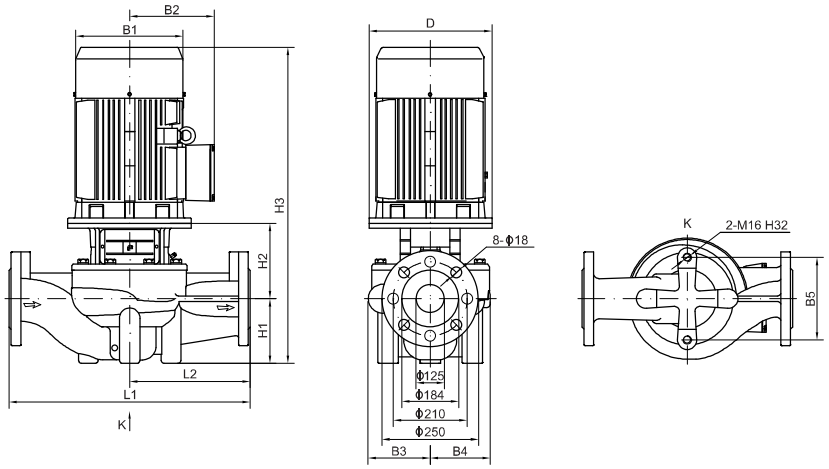


TD125 Performance table

50Hz

Model	Motor (kW)	Q (m³/h)	40	60	80	100	120	140	160	170	180	200
TD125-11G/4	5.5	H (m)	13.4	13.1	12.6	11.9	11	9.8	8.1			
TD125-14G/4	7.5		15.4	15.2	15	14.7	14	12.8	10.9			
TD125-19G/4	11		21.5	21.3	21.1	20.7	19.9	19	17.6	16.5		
TD125-22G/4	15		26.7	26.5	26.2	25.7	24.9	23.7	22	20.9	19.8	16.7
TD125-28G/4	18.5		30.9	30.8	30.7	30.5	30.1	29.3	28	26.9	25.8	22.2
TD125-32G/4	22		34.6	34.6	34.5	34.4	34	33.3	32	31.1	30.2	27.3
TD125-40G/4	30		46.2	46	45.7	45.2	44.3	42.5	40	38.5	36.9	32.5
TD125-48G/4	37		52.6	52.3	51.9	51.5	50.9	49.9	48	46.6	45	41.1

Installation sketch

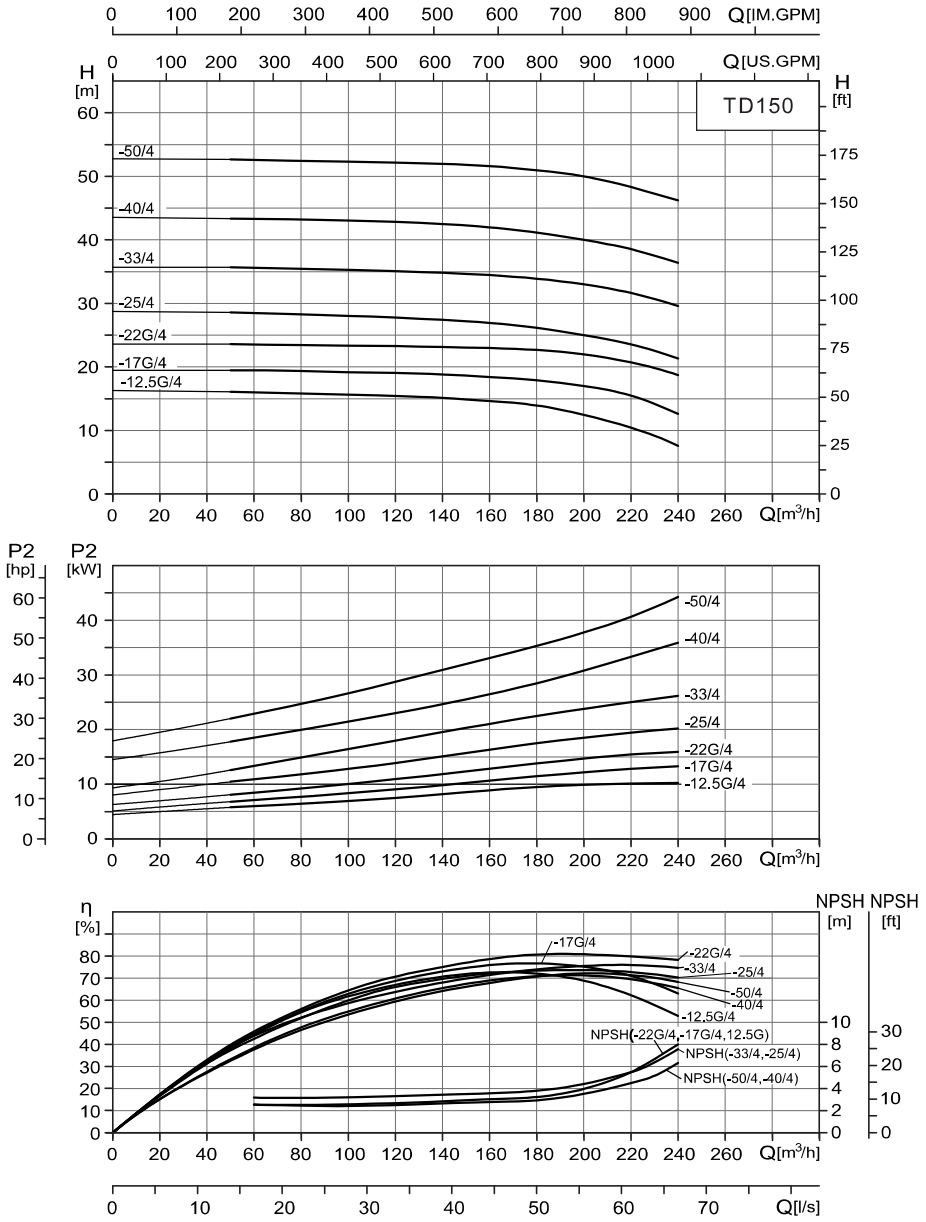


Dimensions and weights

Model	Dimension(mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
TD125-11G/4	200	257	190	198	162	230	160	229	772	620	310	140
TD125-14G/4	200	257	190	198	162	230	160	229	772	620	310	150
TD125-19G/4	350	314	261	213	178	230	160	301	961	660	330	255
TD125-22G/4	350	314	261	236	208	230	215	292	1051	800	400	310
TD125-28G/4	350	355	273	236	208	230	215	292	1084	800	400	340
TD125-32G/4	350	355	273	236	208	230	215	292	1122	800	400	361
TD125-40G/4	400	397	314	261	233	230	160	298	1110	800	400	455
TD125-48G/4	400	445	334	261	233	230	160	313	1167	800	400	492

Note: The dimension of single-phase motor and explosion-proof motor will change. Please consult our company for more details.

Performance curve

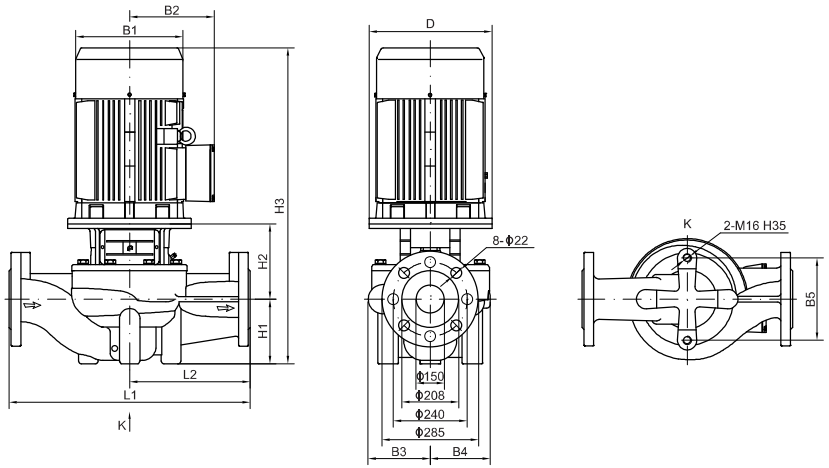


TD150 Performance table

50Hz

Model	Motor (kW)	Q (m³/h)	50	80	100	120	140	160	180	200	220	240
TD150-12.5G/4	11	H (m)	16.1	15.8	15.6	15.4	15.1	14.6	13.9	12.5	10.4	7.6
TD150-17G/4	15		19.5	19.4	19.2	19.1	18.8	18.4	17.9	17	15.5	12.6
TD150-22G/4	18.5		23.6	23.4	23.4	23.2	23.1	23	22.7	22	20.7	18.7
TD150-25/4	22		28.1	28	27.9	27.7	27.3	26.8	26.1	25	23.5	21.3
TD150-33/4	30		35.5	35.4	35.3	35.1	34.8	34.4	33.9	33	31.5	29.6
TD150-40/4	37		43.1	43	42.9	42.7	42.4	41.9	41.1	40	38.4	36.2
TD150-50/4	45		52.4	52.2	52.1	51.9	51.7	51.4	50.9	50	48.7	46.7

Installation sketch

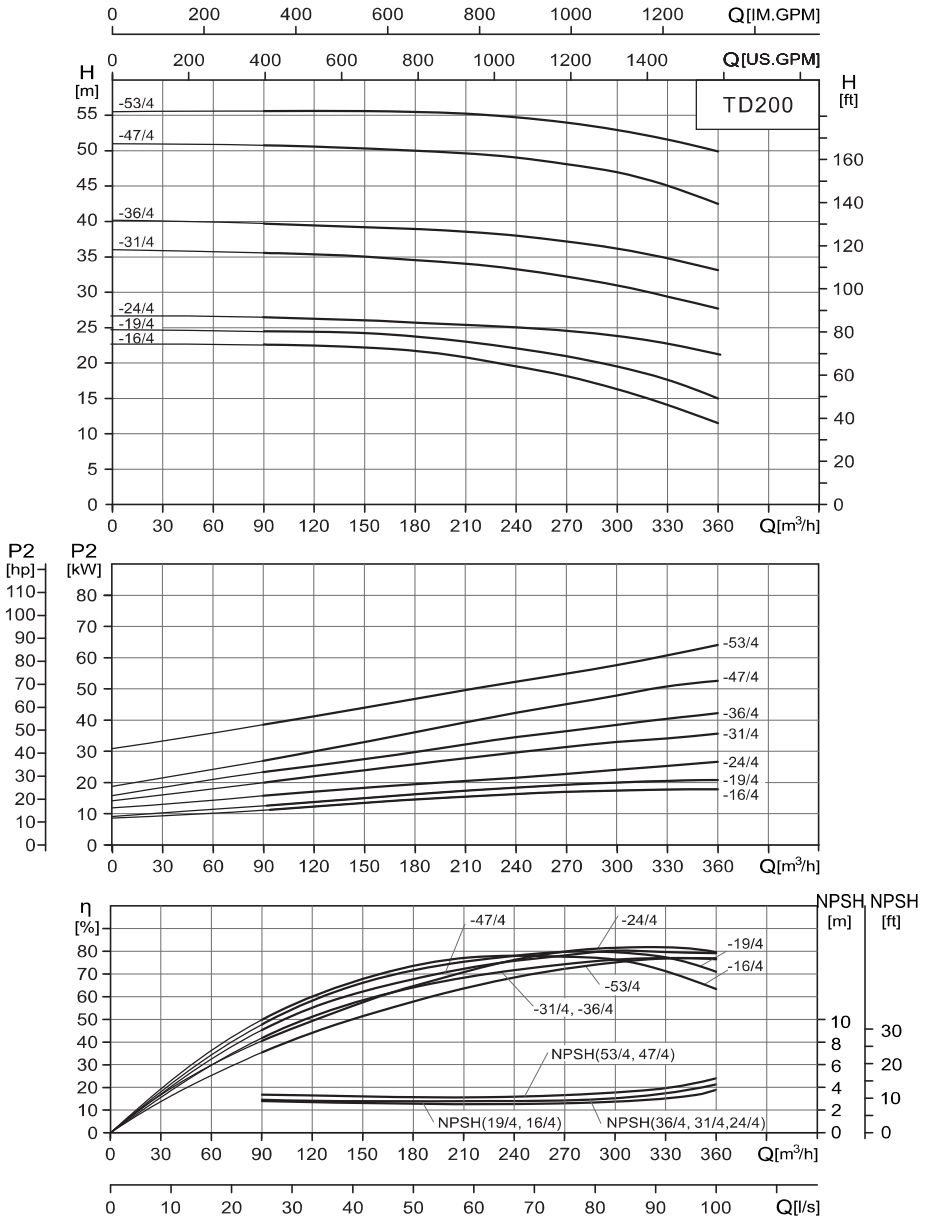


Dimensions and weights

Model	Dimension(mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
TD150-12.5G/4	350	314	261	217	180	230	175	297	972	660	330	260
TD150-17G/4	350	314	261	217	180	230	175	297	1016	660	330	281
TD150-22G/4	350	355	273	217	180	230	175	297	1049	660	330	312
TD150-25/4	350	355	273	238	208	230	215	269	1061	800	400	365
TD150-33/4	400	397	314	238	208	230	215	269	1136	800	400	445
TD150-40/4	450	445	334	267	248	230	230	288	1212	900	450	518
TD150-50/4	450	445	334	267	248	230	230	288	1212	900	450	570

Note: The dimension of single-phase motor and explosion-proof motor will change. Please consult our company for more details.

Performance curve

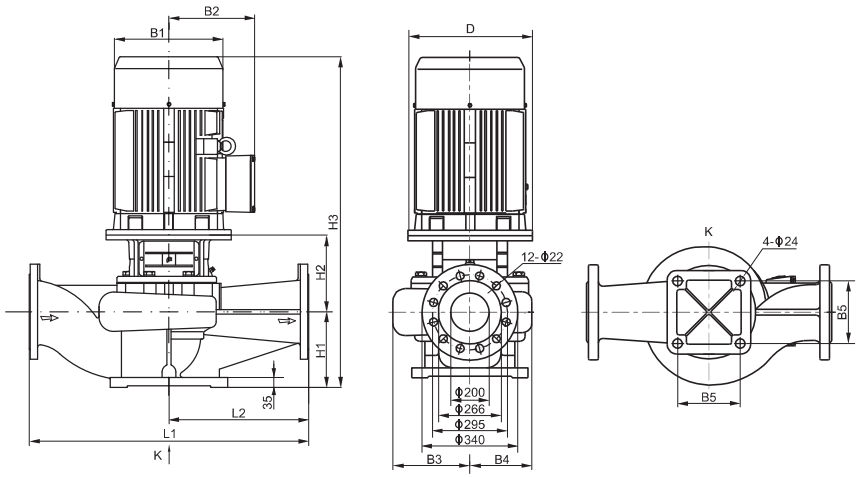


TD200 Performance table

50Hz

Model	Motor (kW)	Q (m³/h)	90	120	150	180	210	240	270	300	330	360
TD200-16/4	18.5	H (m)	22.6	22.4	22.2	21.7	20.7	19.4	18.1	16	14	11.5
TD200-19/4	22		24.4	24.3	24.2	23.7	23	22	20.9	19	17.6	15
TD200-24/4	30		26.1	26	25.8	25.7	25.4	25.1	24.6	24	23.1	21.5
TD200-31/4	37		35.4	35.3	35	34.5	33.9	33.2	32.2	31	29.3	27.6
TD200-36/4	45		39.6	39.4	39.1	38.8	38.5	37.9	37	36	34.7	33
TD200-47/4	55		50.6	50.5	50.2	49.8	49.5	48.9	48	47	44.9	42.4
TD200-53/4	75		55.7	55.7	55.7	55.5	55.3	54.8	54	53	51.6	50

Installation sketch

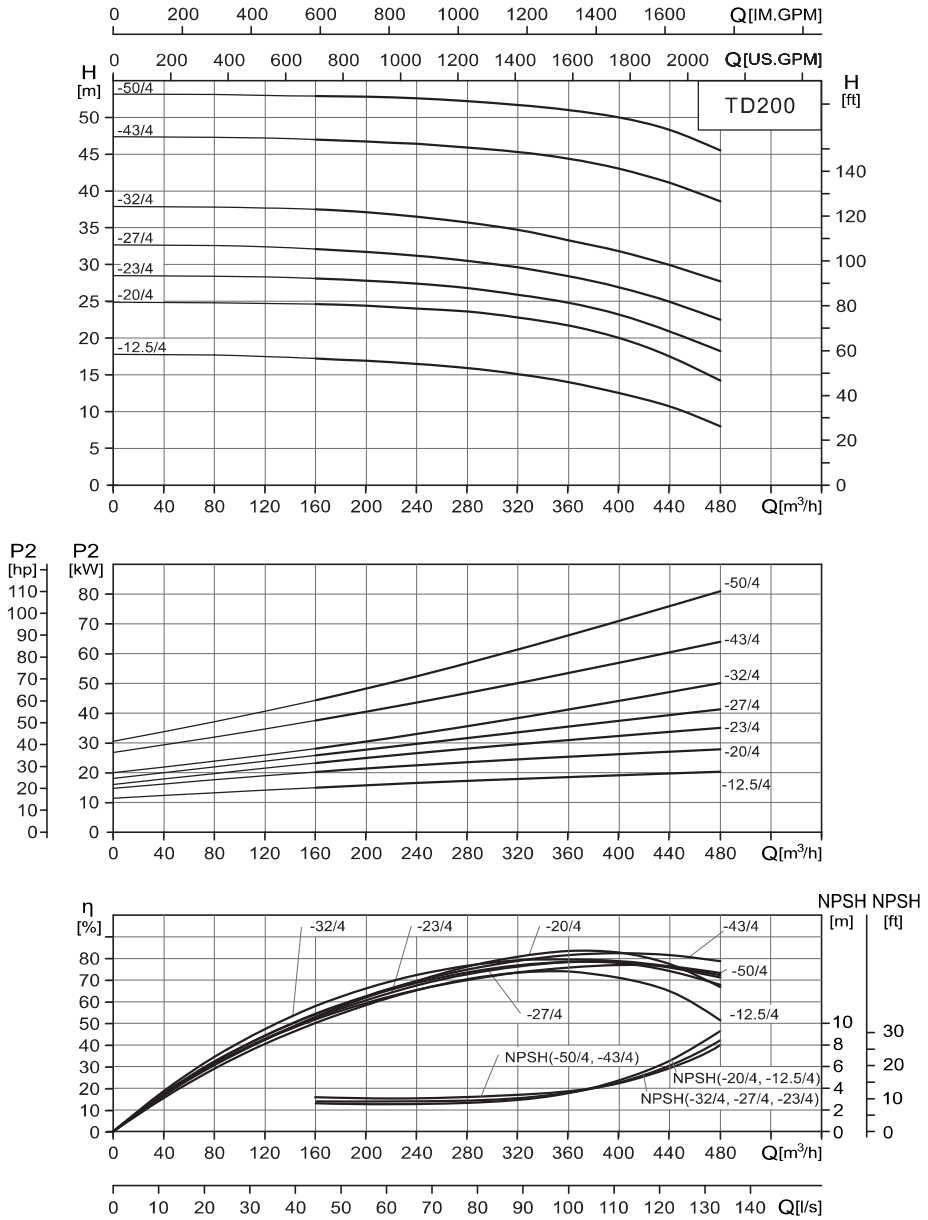


Dimensions and weights

Model	Dimension(mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
TD200-16/4	350	355	273	278	219	360	270	415	1265	1000	500	417
TD200-19/4	350	355	273	278	219	360	270	415	1305	1000	500	434
TD200-24/4	400	397	314	303	252	360	270	415	1335	1100	550	537
TD200-31/4	450	445	334	303	252	360	270	445	1395	1100	550	602
TD200-36/4	450	445	334	303	252	360	270	445	1420	1100	550	648
TD200-47/4	550	484	367	315	269	360	270	457	1517	1100	550	744
TD200-53/4	550	547	407	315	269	360	270	457	1587	1100	550	877

Note: The dimension of single-phase motor and explosion-proof motor will change. Please consult our company for more details.

Performance curve

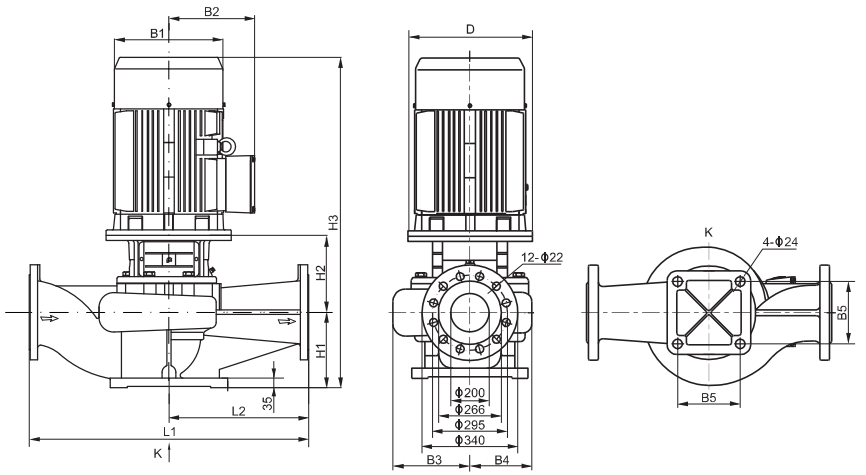


TD200 Performance table

50Hz

Model	Motor (kW)	Q (m³/h)	160	200	240	280	320	360	400	440	480
TD200-12.5/4	22	H (m)	17.2	16.9	16.5	15.9	15.1	14	12.5	10.7	8
TD200-20/4	30		24.6	24.4	24	23.6	22.8	21.7	20	17.5	14.2
TD200-23/4	37		28.1	27.8	27.4	26.8	25.9	24.8	23	20.9	18.2
TD200-27/4	45		32.1	31.7	31.2	30.5	29.6	28.4	27	24.9	22.5
TD200-32/4	55		37.5	37.1	36.5	35.7	34.7	33.3	32	29.9	27.7
TD200-43/4	75		47	46.7	46.4	45.9	45.3	44.4	43	41.1	38.6
TD200-50/4	90		52.9	52.8	52.6	52.2	51.7	51	50	48.3	45.5

Installation sketch

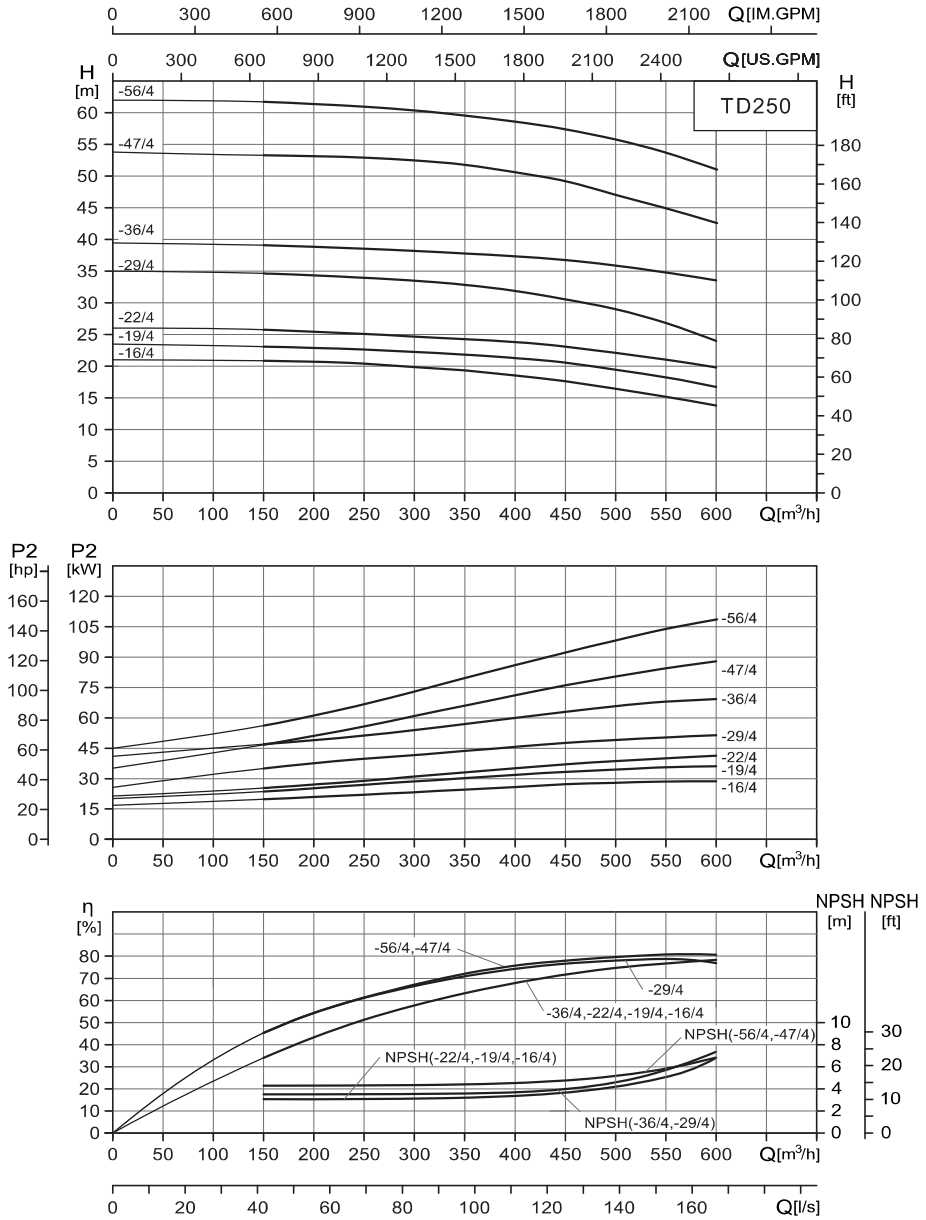


Dimensions and weights

Model	Dimension(mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
TD200-12.5/4	350	355	273	278	219	360	270	415	1300	1000	500	432
TD200-20/4	400	397	314	278	219	360	270	415	1334	1000	500	492
TD200-23/4	450	445	334	303	252	360	270	445	1389	1100	550	602
TD200-27/4	450	445	334	303	252	360	270	445	1412	1100	550	638
TD200-32/4	550	484	367	303	252	360	270	445	1488	1100	550	710
TD200-43/4	550	547	407	315	269	360	270	457	1556	1100	550	883
TD200-50/4	550	547	407	315	269	360	270	457	1607	1100	550	975

Note: The dimension of single-phase motor and explosion-proof motor will change. Please consult our company for more details.

Performance curve

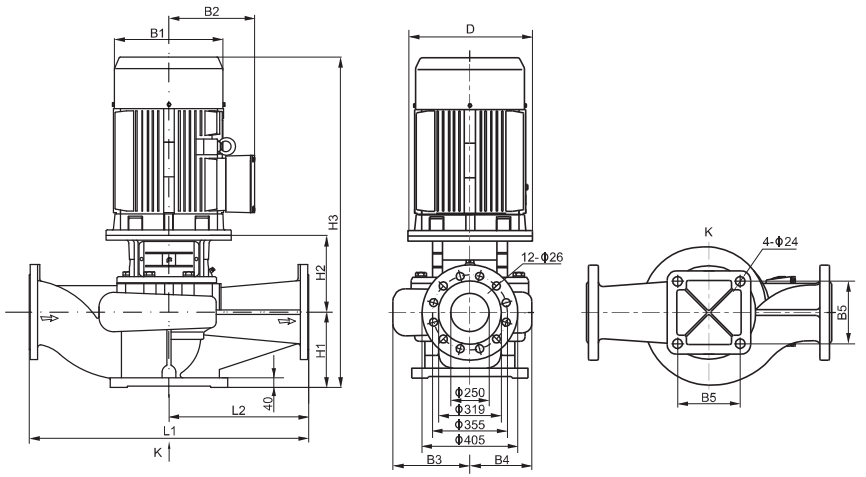


TD250 Performance table

50Hz

Model	Motor (kW)	Q (m³/h)	150	200	250	300	350	400	450	500	550	600
TD250-16/4	30	H (m)	20.5	20.4	20.1	19.6	19	18.2	17.3	16	14.7	13.3
TD250-19/4	37		22.7	22.4	22.1	21.7	21.3	20.8	20.1	19	17.9	16.6
TD250-22/4	45		25.7	25.3	25.1	24.7	24.3	23.8	23.1	22	21	19.7
TD250-29/4	55		34.6	34.4	34	34.4	32.6	31.8	30.6	29	26.8	23.9
TD250-36/4	75		39.1	38.8	38.5	38.2	37.8	37.3	36.8	36	34.3	32.5
TD250-47/4	90		53.3	53.1	52.9	52.4	51.8	50.6	49.2	47	45	42.5
TD250-56/4	110		61.6	61.4	60.9	60.2	59.5	58.6	57.4	56	53.8	51

Installation sketch

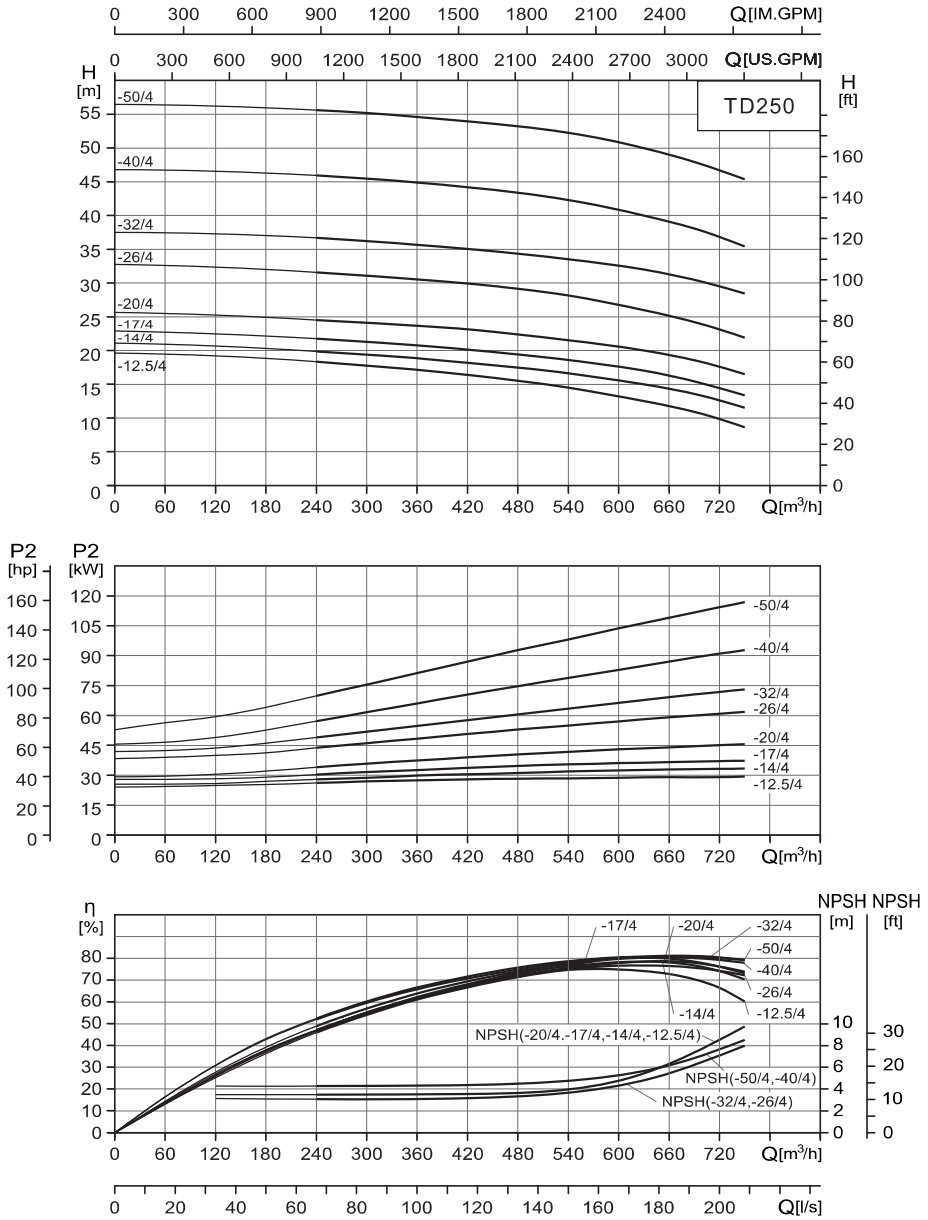


Dimensions and weights

Model	Dimension(mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
TD250-16/4	400	397	314	316	243	390	300	465	1430	1100	550	550
TD250-19/4	450	445	334	316	243	390	300	495	1475	1100	550	611
TD250-22/4	450	445	334	316	243	390	300	495	1500	1100	550	647
TD250-29/4	550	484	367	329	264	440	300	507	1597	1100	550	773
TD250-36/4	550	547	407	329	264	440	300	507	1667	1100	550	909
TD250-47/4	550	547	407	347	292	440	305	485	1700	1200	600	1030
TD250-56/4	660	645	535	347	292	440	305	525	1860	1200	600	1389

Note: The dimension of single-phase motor and explosion-proof motor will change. Please consult our company for more details.

Performance curve

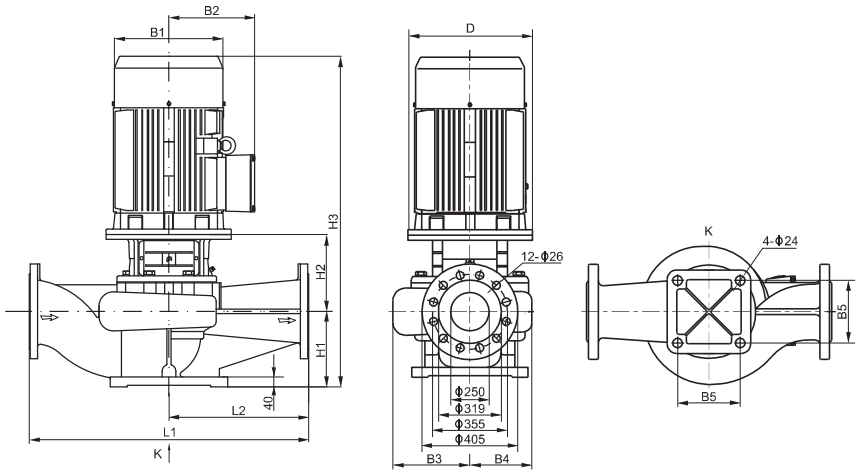


TD250 Performance table

50Hz

Model	Motor (kW)	Q (m³/h)	240	300	360	420	480	540	600	630	660	720	750
TD250-12.5/4	30	H (m)	18.4	17.9	17.2	16.4	15.5	14.5	13.2	12.5	11.8	9.9	8.7
TD250-14/4	37		20	19.5	18.9	18.2	17.5	16.6	15.6	14	13.4	12.6	11.6
TD250-17/4	45		21.8	21.3	20.8	20.1	19.4	18.6	17.6	17	16.3	14.4	13.4
TD250-20/4	55		24.5	24.1	23.7	23.1	22.4	21.5	20.5	20	19.3	17.6	16.5
TD250-26/4	75		31.7	31.1	30.6	29.9	29.1	28.2	26.8	26	25.2	23.1	21.9
TD250-32/4	90		36.7	36.3	35.7	35.1	34.3	33.5	32.6	32	31.3	29.5	28.4
TD250-40/4	110		46	45.5	44.9	44.2	43.4	42.3	40.8	40	39.1	36.8	35.5
TD250-50/4	132		55.6	55.2	54.6	53.9	53.2	52.3	50.9	50	49	46.7	45.4

Installation sketch

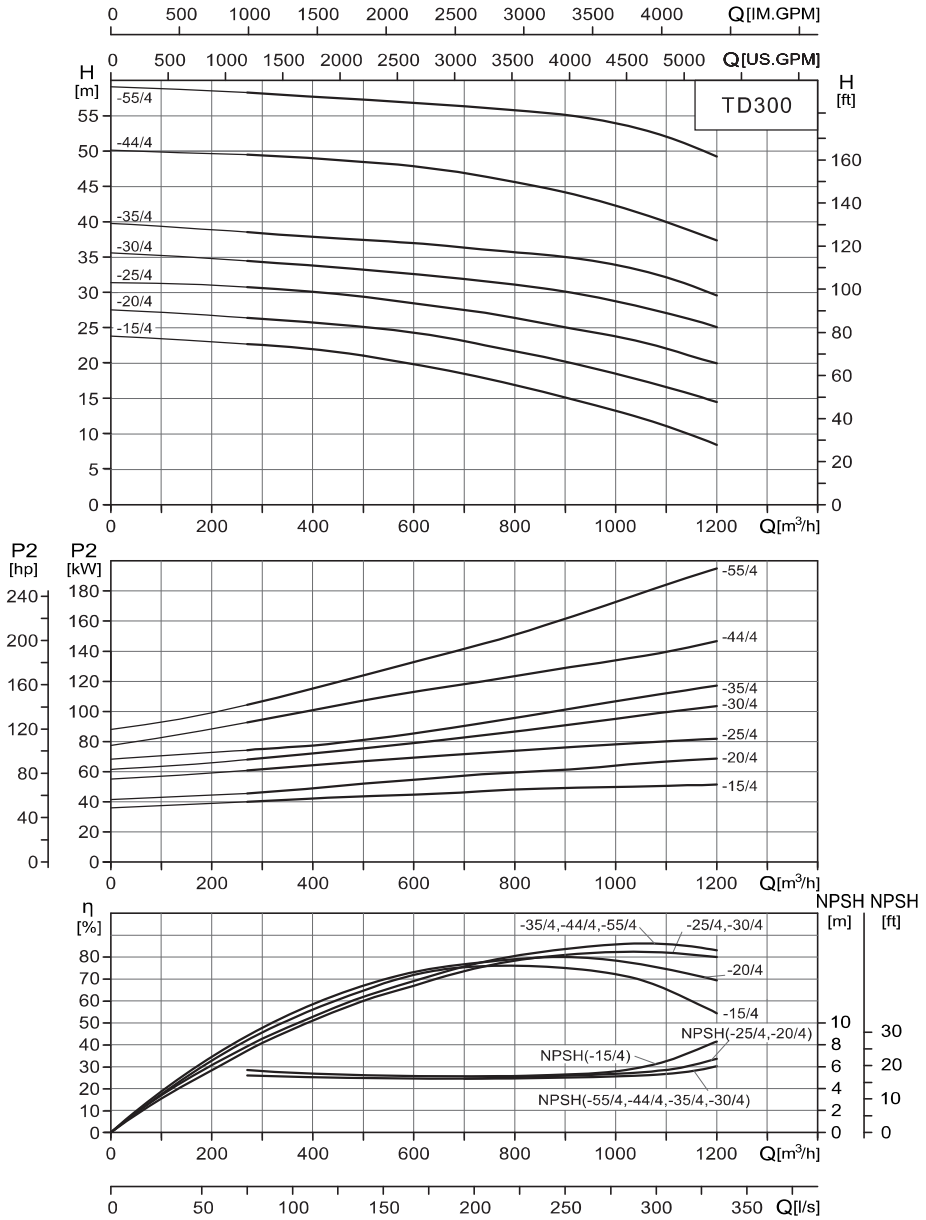


Dimensions and weights

Model	Dimension(mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
TD250-12.5/4	400	397	314	316	243	390	300	465	1414	1100	550	552
TD250-14/4	450	445	334	316	243	390	300	495	1469	1100	550	613
TD250-17/4	450	445	334	316	243	390	300	495	1492	1100	550	649
TD250-20/4	550	484	367	316	243	390	300	495	1568	1100	550	722
TD250-26/4	550	547	407	329	264	440	300	507	1636	1100	550	909
TD250-32/4	550	547	407	329	264	440	300	507	1687	1100	550	999
TD250-40/4	660	645	535	347	292	440	305	525	1840	1200	600	1389
TD250-50/4	660	645	535	347	292	440	305	525	1990	1200	600	1473

Note: The dimension of single-phase motor and explosion-proof motor will change. Please consult our company for more details.

Performance curve

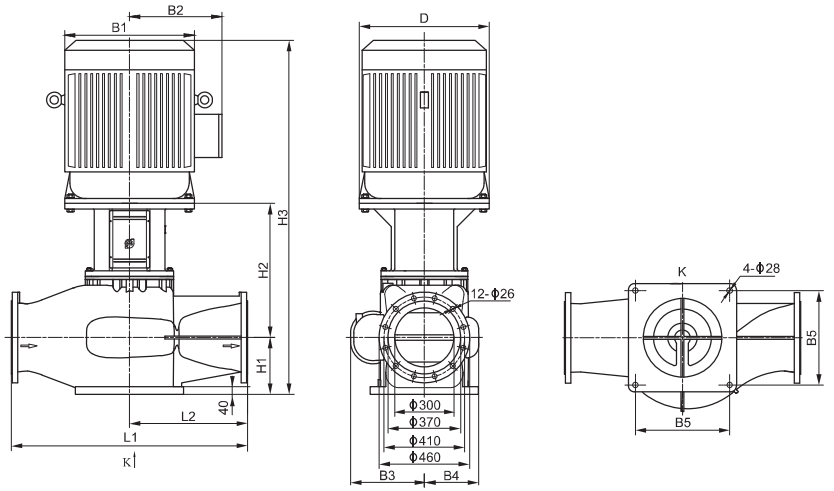


TD300 Performance table

50Hz

Model	Motor (kW)	Q (m³/h)	270	360	450	630	750	900	1080	1200
TD300-15/4	55	H (m)	22.7	22.3	21.6	19.5	17.8	15	11.6	8.5
TD300-20/4	75		26.4	26	25.5	24.1	22.4	20	17.1	14.5
TD300-25/4	90		30.8	30.4	29.8	28.2	27.1	25	22.5	20
TD300-30/4	110		34.5	34	33.5	32.4	31.6	30	27.5	25
TD300-35/4	132		38.6	38.1	37.8	36.9	36	35	32.6	29.6
TD300-44/4	160		49.5	49.2	48.8	47.6	46.3	44	40.5	37.5
TD300-55/4	200		58.2	57.9	57.6	56.7	56.1	55	52.5	49.2

Installation sketch

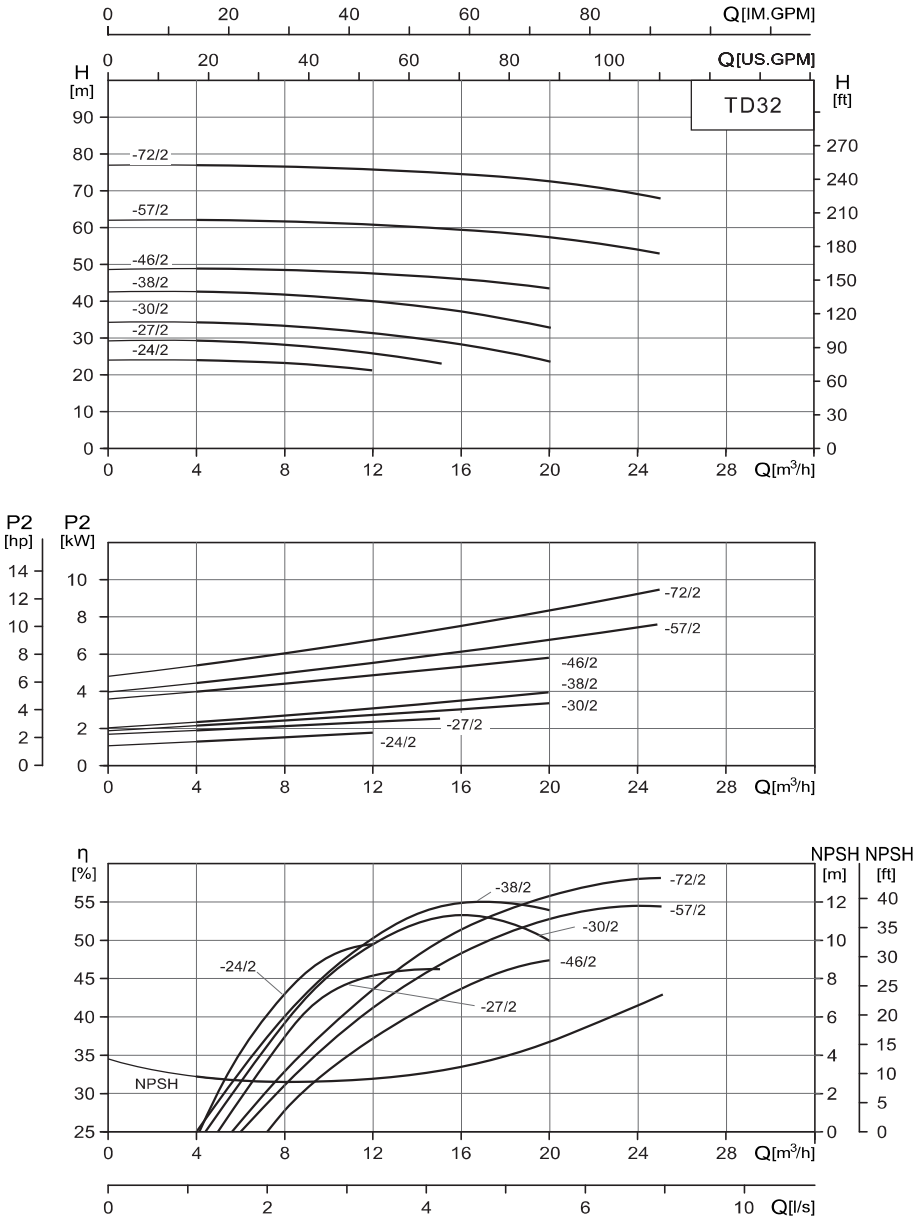


Dimensions and weights

Model	Dimension(mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
TD300-15/4	550	484	367	345	250	440	290	649	1720	1200	600	907
TD300-20/4	550	547	407	345	250	440	290	649	1770	1200	600	1075
TD300-25/4	550	547	407	380	280	480	290	659	1850	1200	600	1230
TD300-30/4	660	645	535	380	280	480	290	699	2000	1200	600	1570
TD300-35/4	660	645	535	380	280	480	290	699	2150	1200	600	1650
TD300-44/4	660	645	535	380	295	480	290	702	2150	1200	600	1790
TD300-55/4	660	645	535	380	295	480	290	702	2150	1200	600	1905

Note: The dimension of single-phase motor and explosion-proof motor will change. Please consult our company for more details.

Performance curve

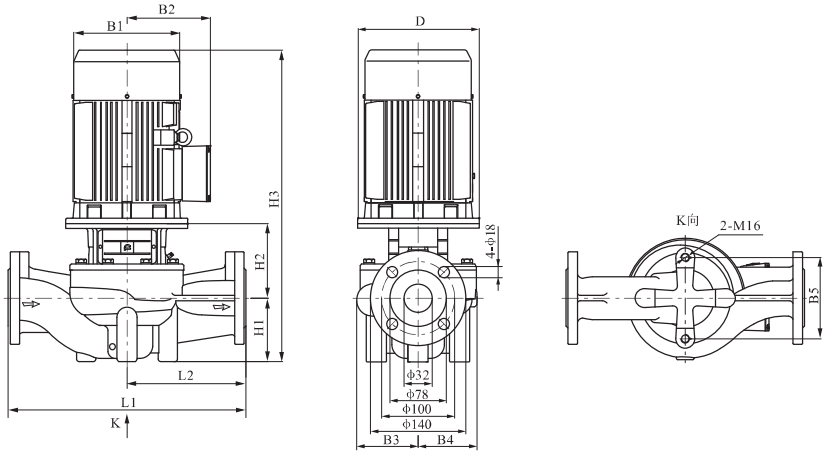


TD32 Performance table

60Hz

Model	Motor (kW)	Motor (hp)	Q (m³/h)	4	7	8	10	12	15	20	25
TD32-24/2	1.5	2	H (m)	24.5	24	23		21			
TD32-27/2	2.2	3		29		28	27	26	23		
TD32-30/2	3	4		35		34		32	30	23	
TD32-38/2	4	5.5		43		42		40	38	33	
TD32-46/2	5.5	7.5		49		49		48	46	44	
TD32-57/2	7.5	10		62		62		61	59	57	53
TD32-72/2	11	15		77		77		76	75	72	67

Installation sketch

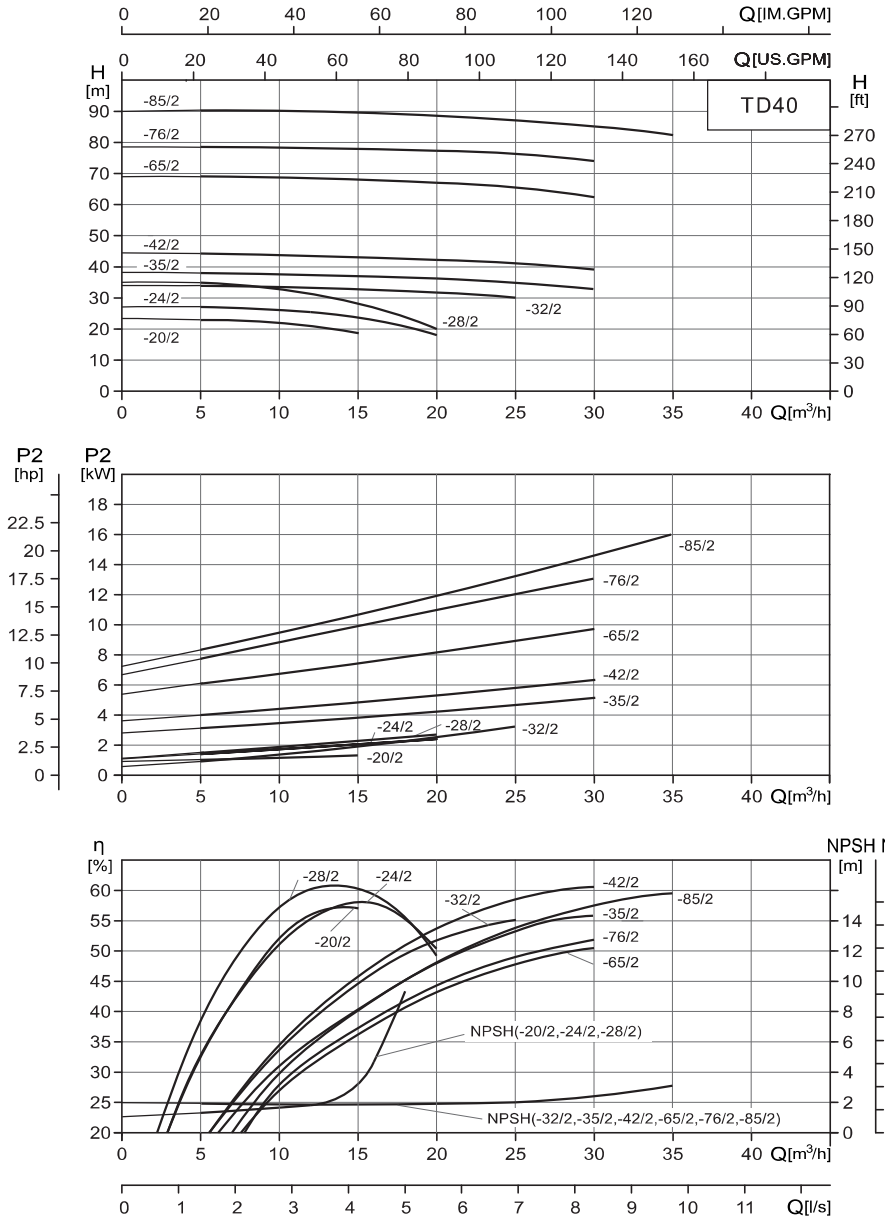


Dimensions and weights

Model	Dimension(mm) D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	Weight (kg)
TD32-24/2	140	190	155	115	115	144	100	166	556	340	170	56
TD32-27/2	140	190	155	115	115	144	100	166	556	340	170	59
TD32-30/2	160	197	165	115	115	144	100	185	630	340	170	68
TD32-38/2	160	230	188	129	129	144	100	185	640	440	220	79
TD32-46/2	200	260	208	129	129	144	100	213	703	440	220	104
TD32-57/2	200	260	208	129	129	144	100	213	703	440	220	107
TD32-72/2	350	330	255	129	129	144	100	262	862	440	220	167

Note: The dimension of single-phase motor and explosion-proof motor will change. Please consult our company for more details.

Performance curve

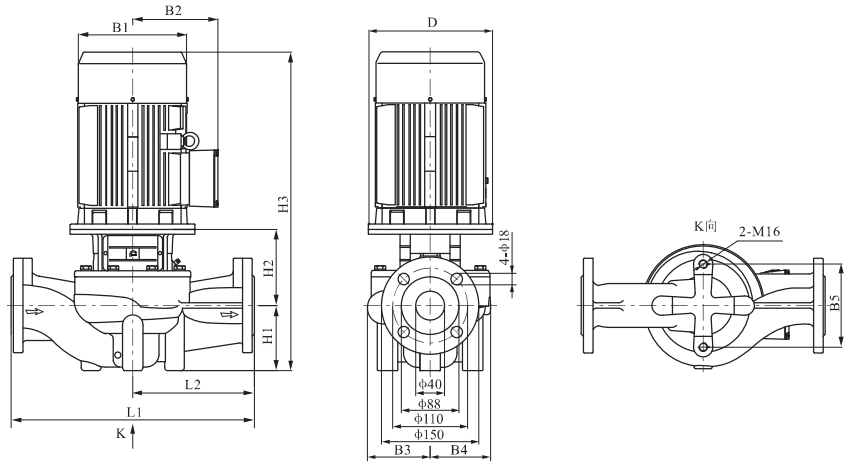


TD40 Performance table

60Hz

Model	Motor (kW)	Motor (hp)	Q (m³/h)	5	10	12	15	20	25	30	35
TD40-20/2	1.5	2	H (m)	23	22	20	18				
TD40-24/2	2.2	3		27	26		24	18			
TD40-28/2	3	4		35	33		28	20			
TD40-32/2	4	5.5		34	34		33	32	30		
TD40-35/2	5.5	7.5		38	38		37	36	35	33	
TD40-42/2	7.5	10		45	45		44	43	42	40	
TD40-65/2	11	15		69	69		68	67	65	63	
TD40-76/2	15	20		79	79		78	77	76	73	
TD40-85/2	18.5	25		91	91		90	89	87	85	82

Installation sketch

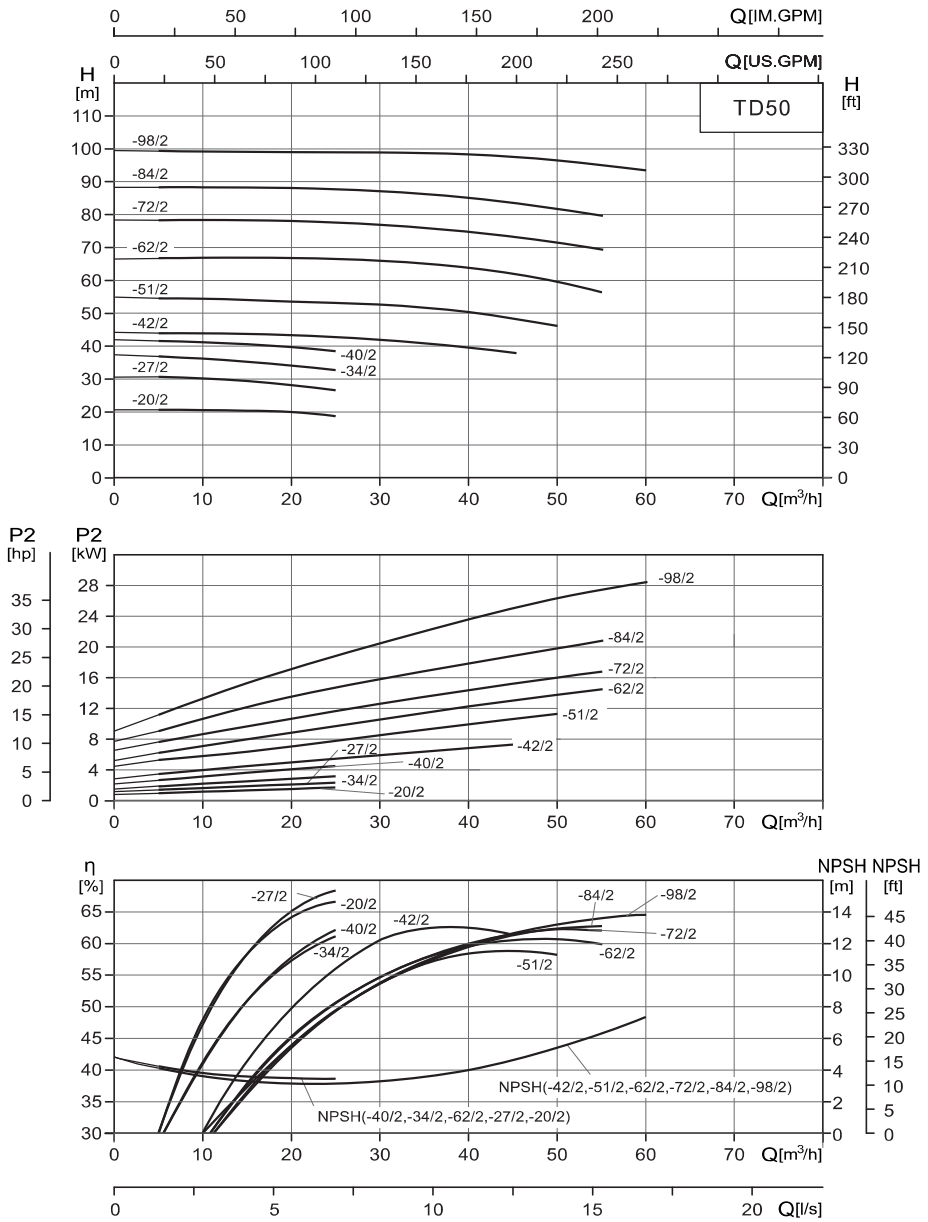


Dimensions and weights

Model	Dimension(mm) D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	Weight (kg)
TD40-20/2	140	190	155	97	95	120	68	160	518	320	160	46
TD40-24/2	140	190	155	97	95	120	68	160	518	320	160	53
TD40-28/2	160	197	165	97	95	120	68	178	591	320	160	70
TD40-32/2	160	230	188	138	128	144	100	185	650	440	220	77
TD40-35/2	200	260	208	138	128	144	100	213	713	440	220	106
TD40-42/2	200	260	208	138	128	144	100	213	713	440	220	110
TD40-65/2	350	330	255	138	128	144	100	262	872	440	220	167
TD40-76/2	350	330	255	140	138	144	100	262	872	440	220	178
TD40-85/2	350	330	255	140	138	144	100	262	922	440	220	196

Note: The dimension of single-phase motor and explosion-proof motor will change. Please consult our company for more details.

Performance curve

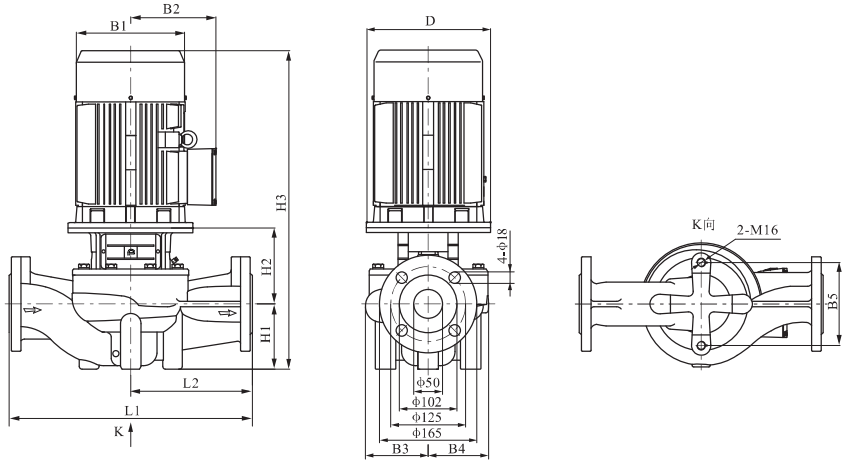


TD50 Performance table

60Hz

Model	Motor (kW)	Motor (hp)	Q (m³/h)	5	10	15	20	25	30	35	40	45	50	55	55
TD50-20/2	2.2	3		21	20.5	20.3	20	18.5							
TD50-27/2	3	4		31	30	28.8	27	26							
TD50-34/2	4	5.5		37	36.2	35.3	34	32.7							
TD50-40/2	5.5	7.5		41.5	41.2	41	40	39							
TD50-42/2	7.5	10	H (m)	45.5	44		43		42		40	39			
TD50-51/2	11	15		54	53.5		52.5		52	51	50		47		
TD50-62/2	15	20		66.5	66.6		66		65		63	62	59	56	
TD50-72/2	18.5	25		77	77		77.2		76		73	72	71	69	
TD50-84/2	22	30		88	88		88		87		85	84	83	82	
TD50-98/2	30	40		99.1	99.4		99.6		99		98.5		98		93

Installation sketch

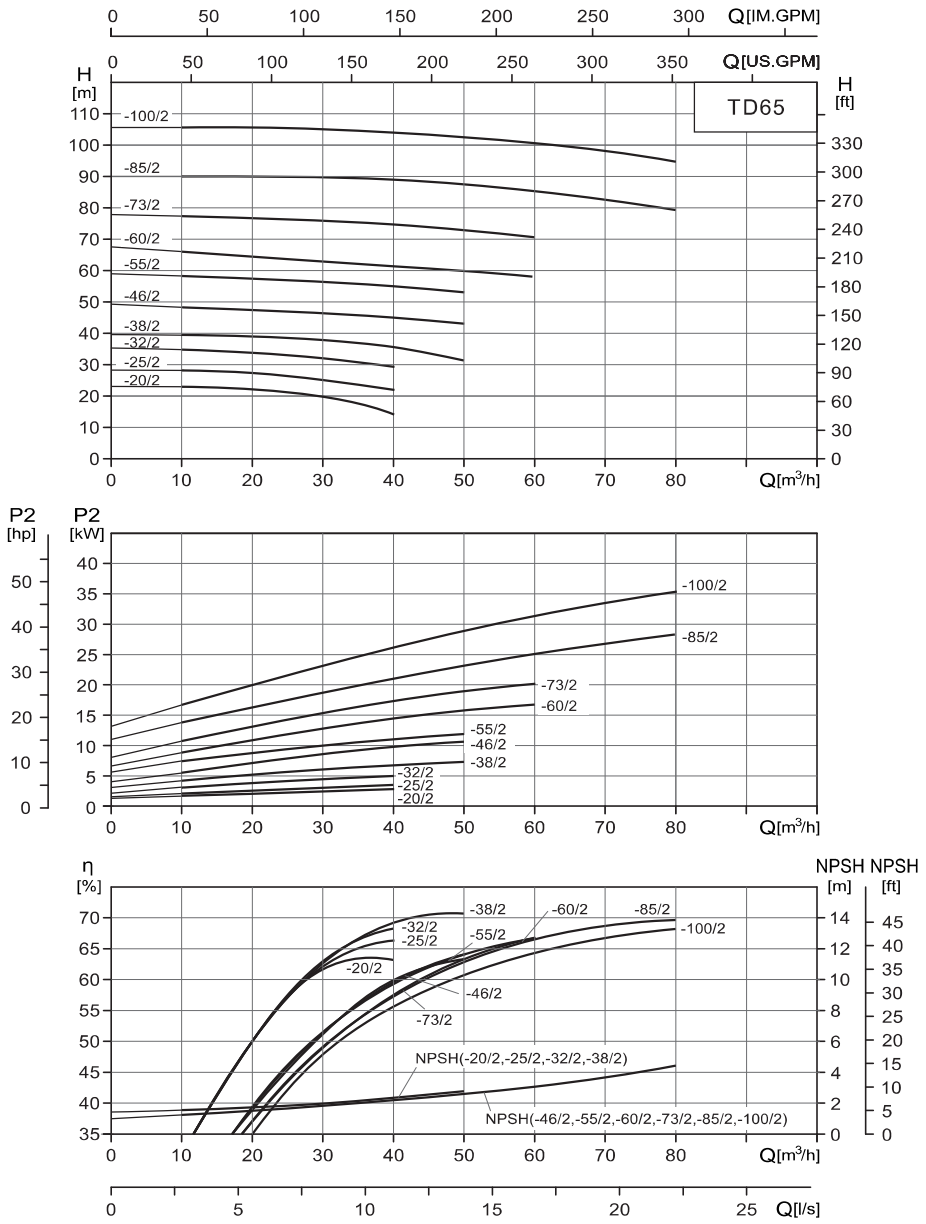


Dimensions and weights

Model	Dimension(mm) D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	Weight (kg)
TD50-20/2	140	190	155	117	115	144	115	153	558	340	170	65
TD50-27/2	160	197	165	117	115	144	115	172	632	340	170	74
TD50-34/2	160	230	188	129	115	144	115	172	642	340	170	79
TD50-40/2	200	260	208	129	115	144	115	197	702	340	170	103
TD50-42/2	200	260	208	171	158	144	115	197	702	440	220	118
TD50-51/2	350	330	255	171	158	144	115	250	865	440	220	181
TD50-62/2	350	330	255	171	158	144	115	250	865	440	220	191
TD50-72/2	350	330	255	171	158	144	115	250	915	440	220	209
TD50-84/2	350	360	285	171	158	144	115	250	940	440	220	245
TD50-98/2	400	400	310	171	158	144	115	250	1015	440	220	296

Note: The dimension of single-phase motor and explosion-proof motor will change. Please consult our company for more details.

Performance curve

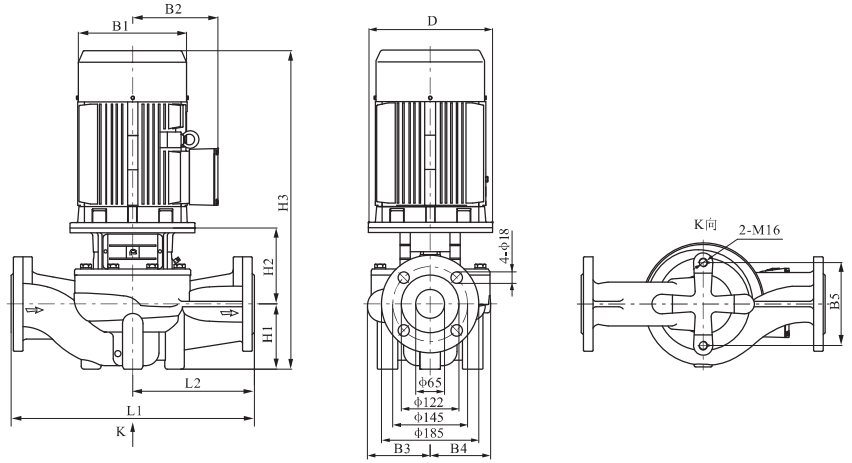


TD65 Performance table

60Hz

Model	Motor (kW)	Motor (hp)	Q (m³/h)	10	20	30	35	40	50	60	70	80
TD65-20/2	3	4	H (m)	22.2	22	20	18	14.3				
TD65-25/2	4	5.5		28	27	25	24	21				
TD65-32/2	5.5	7.5		35	33.5	32	31	29.5				
TD65-38/2	7.5	10		39.5	38.7	38.5	38	36	31.5			
TD65-46/2	11	15		48	47	46.5	46	45	44			
TD65-55/2	15	20		57.3	56.5	56.2	55	54	52			
TD65-60/2	18.5	25		64	63.8	62	61.8	60.5	60	56		
TD65-73/2	22	30		78	77	76.5	76	75.5	73	71		
TD65-85/2	30	40		87.8	88	90	90.5	89.5	88.5	85	83	79
TD65-100/2	37	50		107.6	106	105	104	103	102	100	99.5	94

Installation sketch

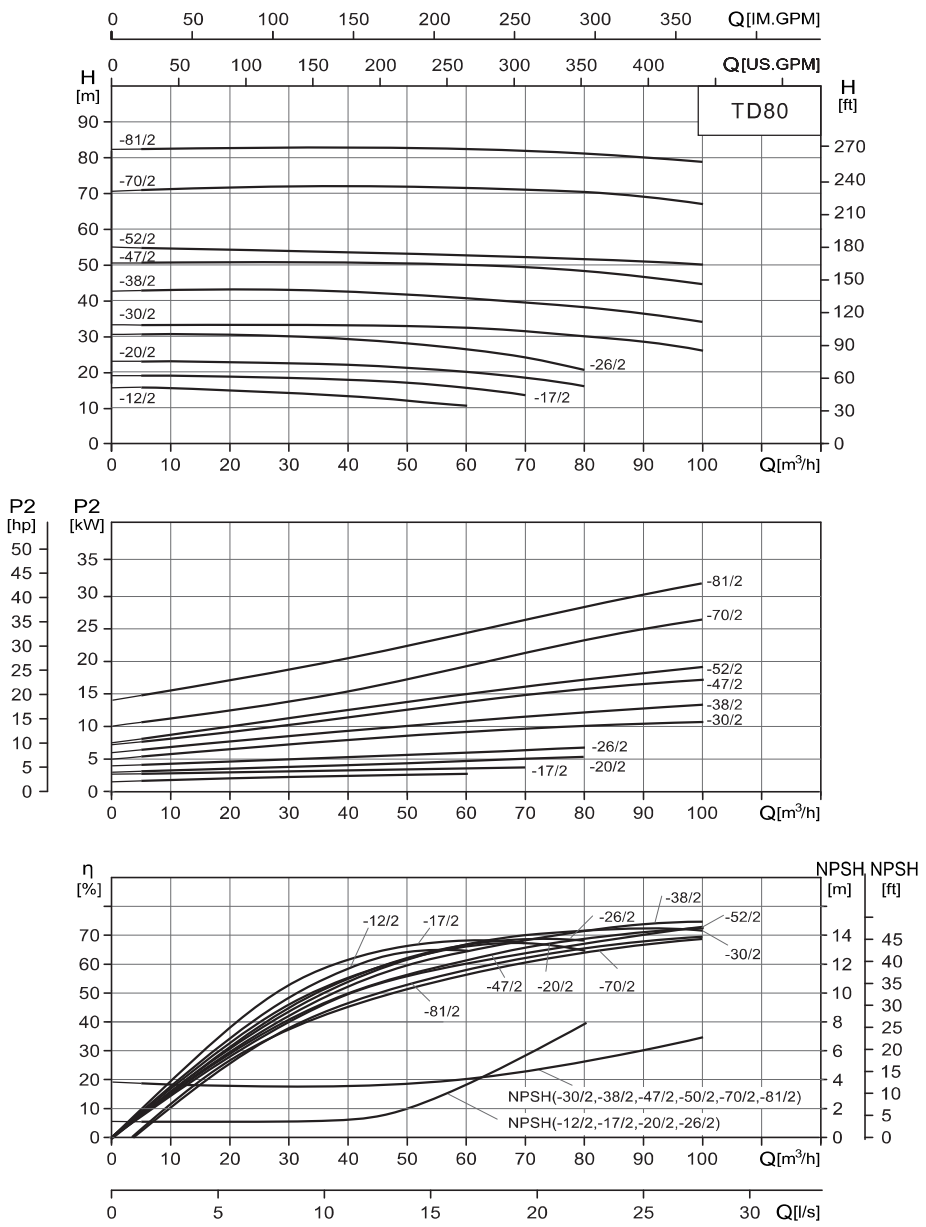


Dimensions and weights

Model	Dimension(mm) D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	Weight (kg)
TD65-20/2	160	197	165	142	124	144	105	191	641	360	180	74
TD65-25/2	160	230	188	142	124	144	105	191	651	360	180	81
TD65-32/2	200	260	208	142	124	144	105	213	708	360	180	105
TD65-38/2	200	260	208	142	124	144	105	213	708	360	180	108
TD65-46/2	350	330	255	179	167	144	125	262	887	475	238	183
TD65-55/2	350	330	255	179	167	144	125	262	887	475	238	193
TD65-60/2	350	330	255	179	167	144	125	262	937	475	238	210
TD65-73/2	350	330	255	179	167	144	125	262	962	475	238	248
TD65-85/2	400	400	310	179	167	144	125	262	1037	475	238	309
TD65-100/2	400	400	310	179	167	144	125	262	1037	475	238	328

Note: The dimension of single-phase motor and explosion-proof motor will change. Please consult our company for more details.

Performance curve

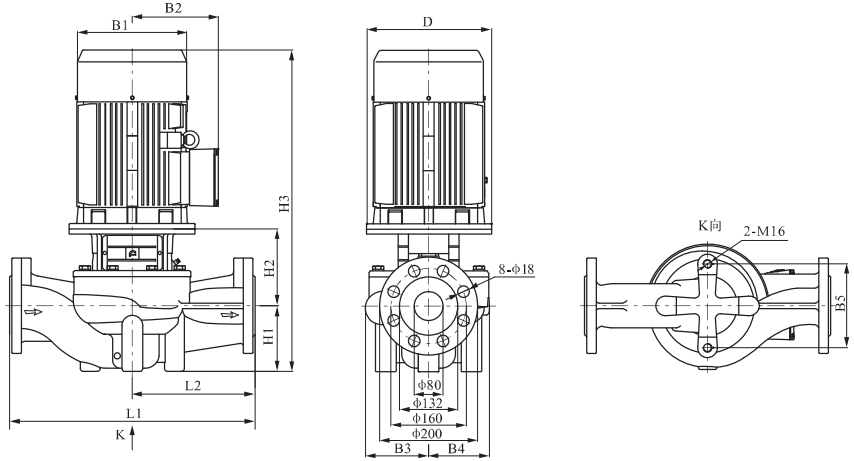


TD80 Performance table

60Hz

Model	Motor (kW)	Motor (hp)	Q (m³/h)	5	10	20	30	40	50	60	70	80	90	100
TD80-12/2	3	4	H (m)	15.2	15.6	15	14.5	13.5	12	10.5				
TD80-17/2	4	5.5		18.5	19	18.6	18.1	17.5	17	15.8	13.5			
TD80-20/2	5.5	7.5		22.5	23	23.6	22.8	22	21.2	20	19	16		
TD80-26/2	7.5	10		30.3	30.6	30.4	30	29	28	26	25	21		
TD80-30/2	11	15		36.8	36.8	36.7	35.8	35.3	34.2	33.1	32.4	30	27.8	23.5
TD80-38/2	15	20		42.9	43	43.1	43	42.6	42	40.5	39.5	38	36.2	32.3
TD80-47/2	18.5	25		51.3	51.5	50.9	50.5	50.3	50.2	50	49.4	47	46.5	44.6
TD80-52/2	22	30		54.7	55.5	55.2	55	54.8	54.5	54.3	53.4	52	50.5	50
TD80-70/2	30	40		70.9		71.4		72	71.9	71.6	71	70	69.3	65
TD80-81/2	37	50		81.9		82.8		82.9		82.5	82.4	81	80	78

Installation sketch

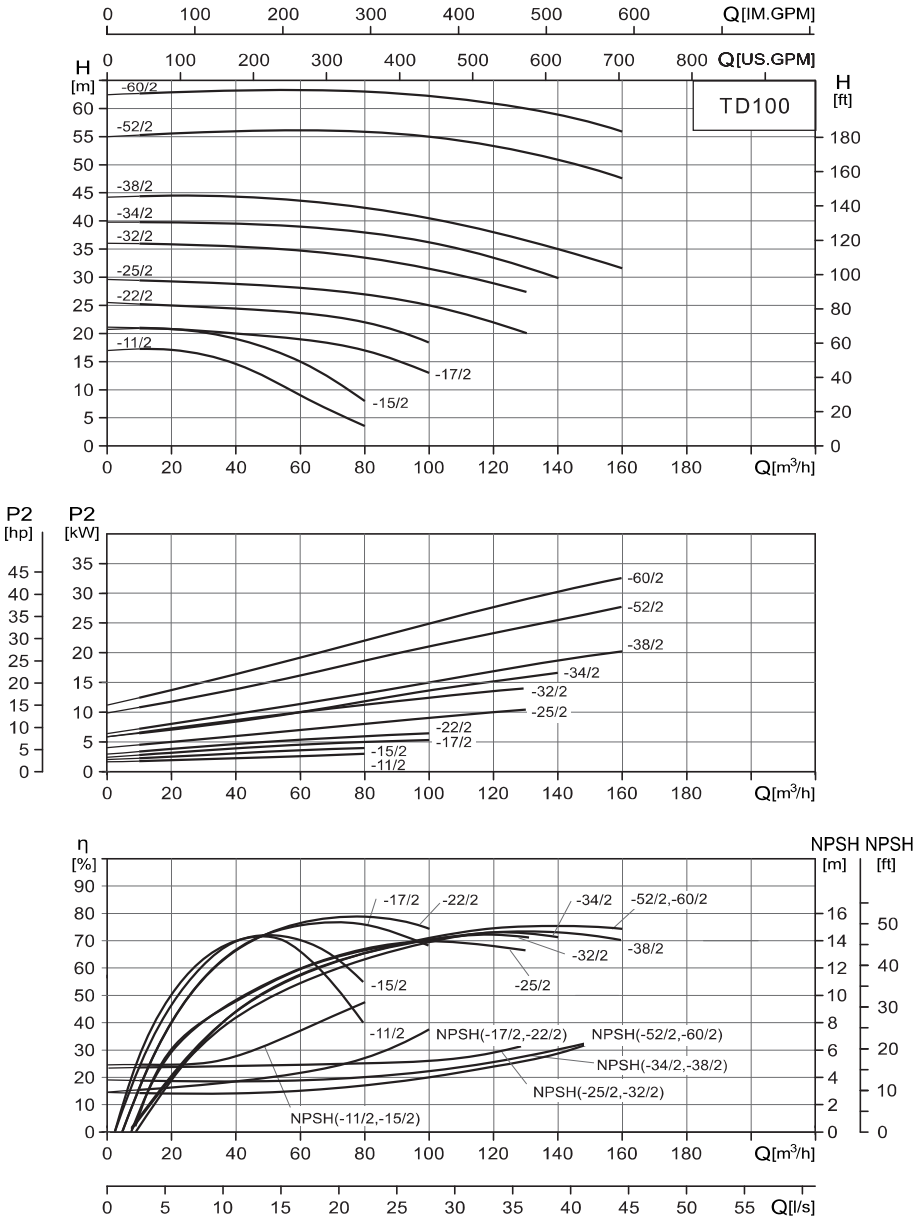


Dimensions and weights

Model	Dimension(mm) D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	Weight (kg)
TD80-12/2	160	197	165	142	124	160	97	219	661	450	225	84
TD80-17/2	160	230	188	142	124	160	97	219	671	450	225	91
TD80-20/2	160	260	210	142	124	160	97	241	728	450	225	114
TD80-26/2	160	260	210	142	124	160	97	241	728	450	225	117
TD80-30/2	350	330	255	182	163	144	115	279	894	500	250	194
TD80-38/2	350	330	255	182	163	144	115	279	894	500	250	204
TD80-47/2	350	330	255	182	163	144	115	279	944	500	250	222
TD80-52/2	350	330	255	182	163	144	115	279	969	500	250	258
TD80-70/2	400	400	310	182	163	144	115	279	1044	500	250	319
TD80-81/2	400	400	310	182	163	144	115	279	1044	500	250	338

Note: The dimension of single-phase motor and explosion-proof motor will change. Please consult our company for more details.

Performance curve

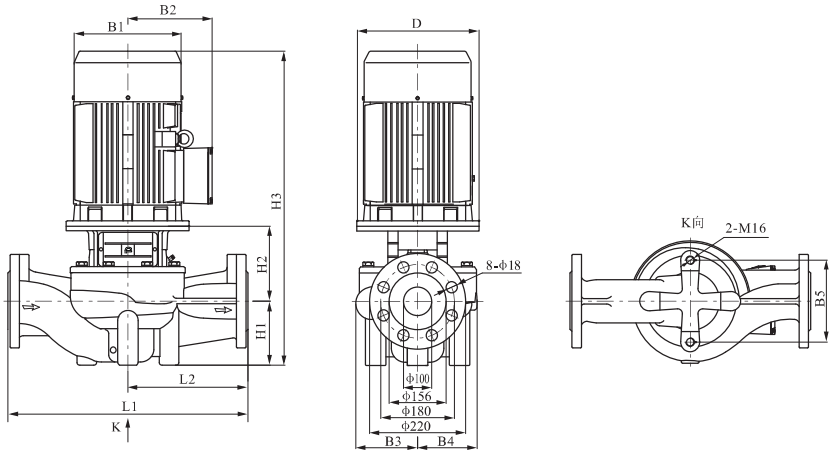


TD100 Performance table

60Hz

Model	Motor (kW)	Motor (hp)	Q (m³/h)	10	20	40	50	60	80	100	120	130	140	160
TD100-11/2	3	4		17.2	17.1	14.6	11	9	6.3					
TD100-15/2	4	5.5		20.7	20.8	17.9		15	8					
TD100-17/2	5.5	7.5		21.1	20.8	20		19.2	17	13				
TD100-22/2	7.5	10		25.6	25.4	24.4		23.5	22	18.4				
TD100-25/2	11	15	H (m)	29.1	29.5	28.8		27.8	26.6	25	19.8	19.4		
TD100-32/2	15	20		36	36.6	35.6		34.6	33.5	32	28.9	25.5		
TD100-34/2	18.5	25		39.4	39.4	39.5		39	37.8	36.2	34	33.4	31	
TD100-38/2	22	30		43.7	44.5	44.2		43.8	42.5	40.5	38	36.4	35	30.8
TD100-52/2	30	40		55	55.8	55.9		55.9	55.5	55	53.6	52	50.9	47.6
TD100-60/2	37	50		62	62.9	63.3		63.2	63	62	60.6	60	57.6	54

Installation sketch

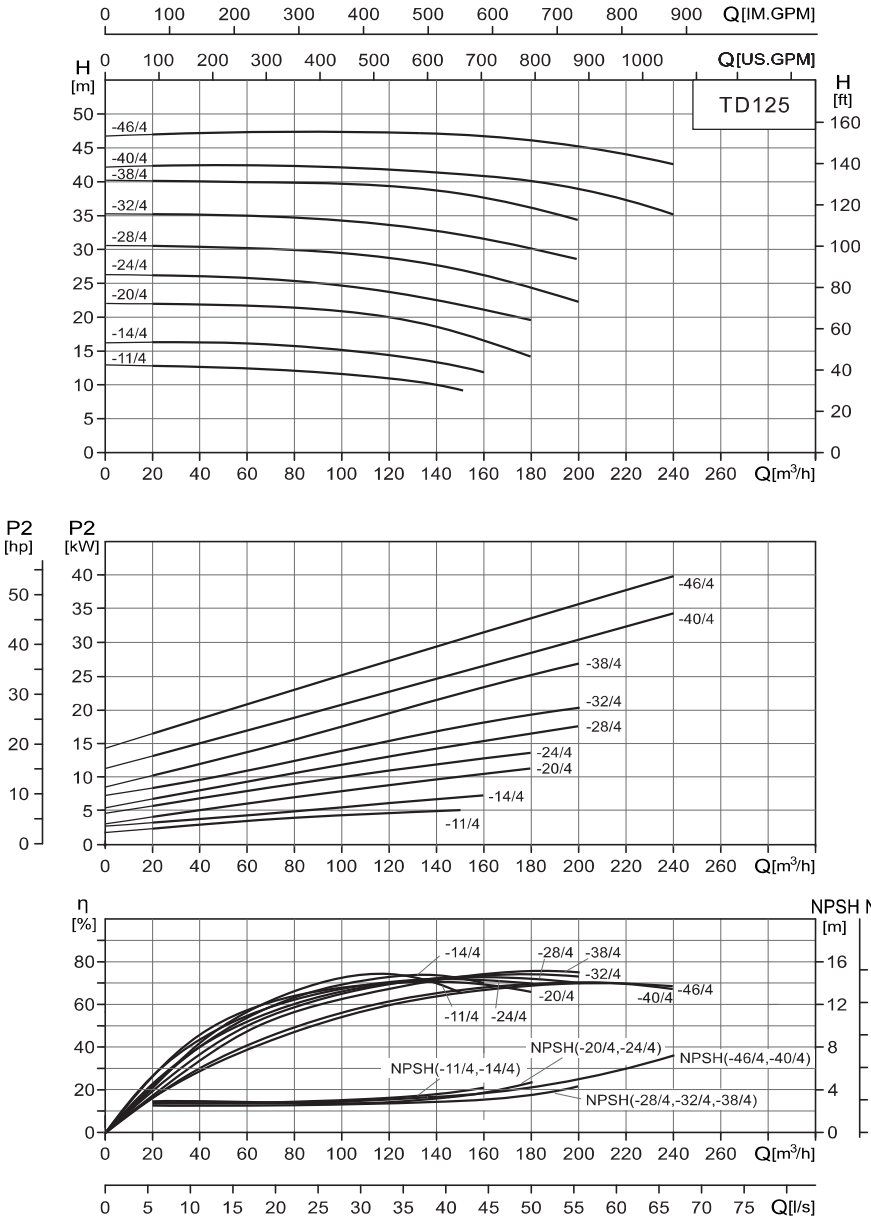


Dimensions and weights

Model	Dimension(mm) D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	Weight (kg)
TD100-11/2	160	215	190	134	101	160	105	190	640	450	225	65
TD100-15/2	160	215	190	134	101	160	105	190	650	450	225	83
TD100-17/2	200	260	205	150	117	144	140	215	745	500	250	119
TD100-22/2	200	260	205	150	117	144	140	215	745	500	250	122
TD100-25/2	350	350	245	181	152	230	140	270	910	550	275	197
TD100-32/2	350	350	265	181	152	230	140	270	910	550	275	207
TD100-34/2	350	350	265	181	152	230	140	270	960	550	275	224
TD100-38/2	350	350	280	181	152	230	140	270	985	550	275	260
TD100-52/2	400	400	305	181	152	230	140	270	1060	550	275	318
TD100-60/2	400	400	305	181	152	230	140	270	1060	550	275	337

Note: The dimension of single-phase motor and explosion-proof motor will change. Please consult our company for more details.

Performance curve

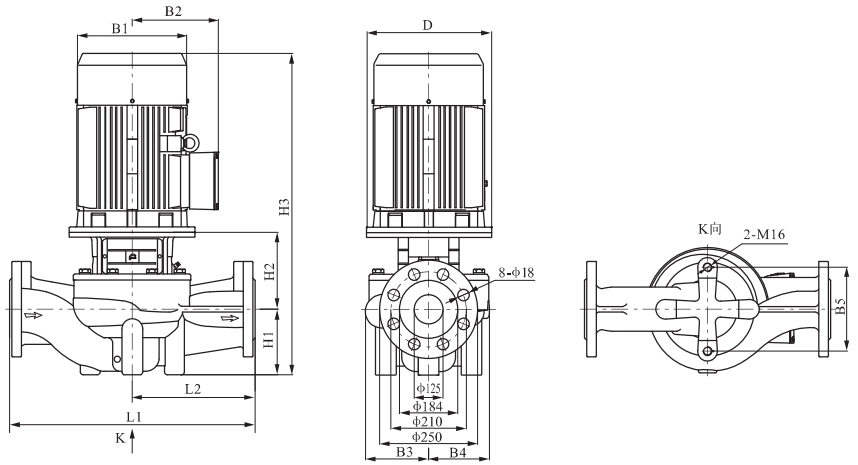


TD125 Performance table

60Hz

Model	Motor (kW)	Motor (hp)	Q (m³/h)	20	40	60	80	100	120	140	150	160	180	200	220	240
TD125-11/4	5.5	7.5	H (m)	12.9	12.7	12.6	12.2	11.6	11	10	9					
TD125-14/4	7.5	10		16.2	16.1	16	15.9	15.3	14	13.8		12.5				
TD125-20/4	11	15		21.8	21.4	21.2	21	20.6	20	18		16.4	14.5			
TD125-24/4	15	20		26.2	25.9	25.7	25.5	24.8	24	22.9		21.2	19.8			
TD125-28/4	18.5	25		30.4	30.2	30.1	29.9	29.4	28.6	28		26.6	24.5	22.5		
TD125-32/4	22	30		35.2	34.9	34.8	34.5	34.2	33.5	32.7	32	31.3	30.1	27.8		
TD125-38/4	30	40		40.2	40.1	40	39.9	39.8	39.5	38.6	38	37.8	36.2	33.8		
TD125-40/4	37	50		42.6	42.8	42.9	42.7	42.4	41.9	41.3		40.7	40	38.9	37.4	35.6
TD125-46/4	45	60		47.2	47.4	47.6	47.7	47.6	47.5	47.2		46.7	46	45.1	44.1	42.8

Installation sketch

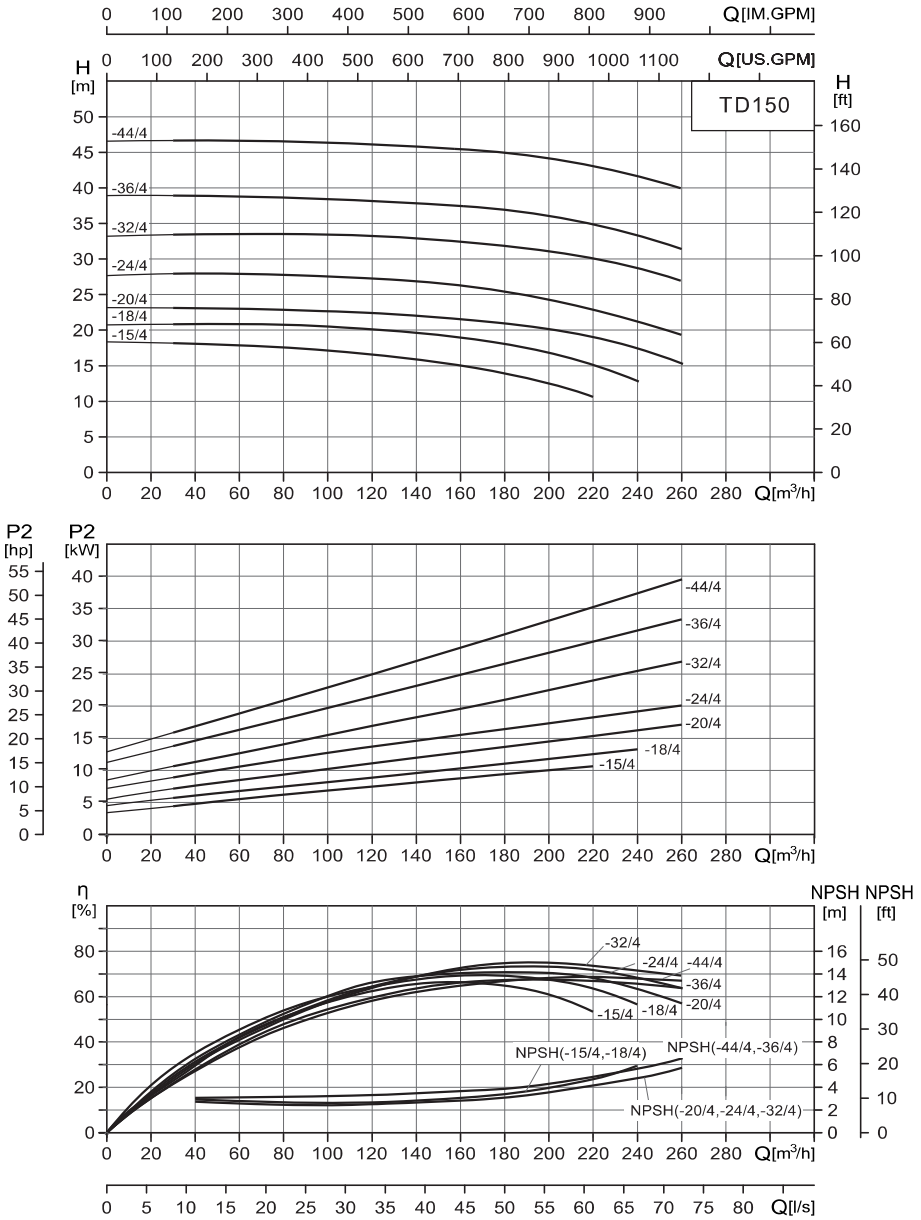


Dimensions and weights

Model	Dimension(mm) D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	Weight (kg)
TD125-11/4	200	260	208	216	176	230	215	228	832	620	310	166
TD125-14/4	200	260	208	216	176	230	215	228	832	620	310	169
TD125-20/4	350	330	255	236	208	230	215	298	1011	800	400	292
TD125-24/4	350	330	255	236	208	230	215	298	1053	800	400	302
TD125-28/4	350	330	255	236	208	230	215	298	1090	800	400	321
TD125-32/4	350	330	255	236	208	230	215	298	1128	800	400	356
TD125-38/4	400	400	310	236	208	230	215	298	1162	800	400	416
TD125-40/4	450	450	325	272	248	230	215	314	1203	800	400	499
TD125-46/4	450	450	325	272	248	230	215	314	1226	800	400	536

Note: The dimension of single-phase motor and explosion-proof motor will change. Please consult our company for more details.

Performance curve

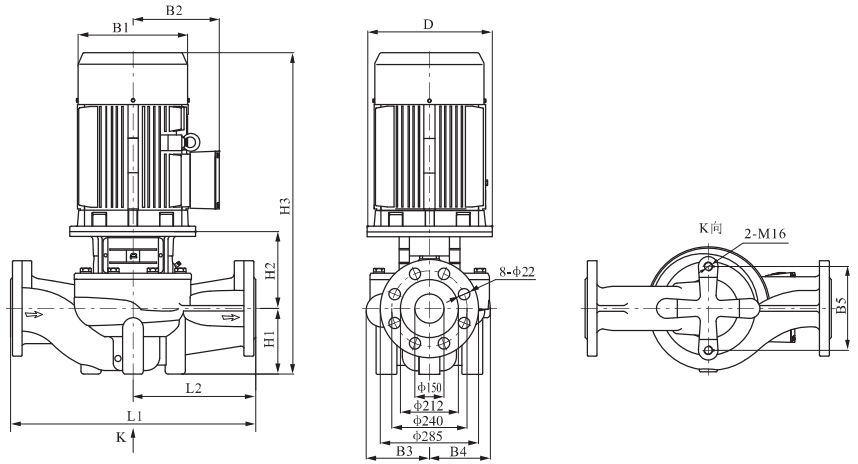


TD150 Performance table

60Hz

Model	Motor (kW)	Motor (hp)	Q (m³/h)	30	60	90	120	140	160	180	200	220	240	260
TD150-15/4	11	15	H (m)	19.1	18.4	17.6	16.7	15.9	15	14.1	12.7	10.5		
TD150-18/4	15	20		21.6	21.3	20.8	20.1	19.5	18.8	18	16.9	15.4	12.6	
TD150-20/4	18.5	25		24	23.6	23.3	22.9	22.4	21.7	20.9	20	18.9	17.4	15.6
TD150-24/4	22	30		27	27.2	27.1	26.8	26.3	25.8	24.9	24	22.8	21.5	19.9
TD150-32/4	30	40		34.2	34.4	34.6	34.4	34	33.5	32.8	32	30.9	29.4	27.3
TD150-36/4	37	50		39.7	39.3	38.8	38.2	37.8	37.3	36.7	36	34.9	33.6	31.9
TD150-44/4	45	60		47.3	47.4	47.2	46.8	46.4	45.8	45	44	42.9	41.7	40.2

Installation sketch

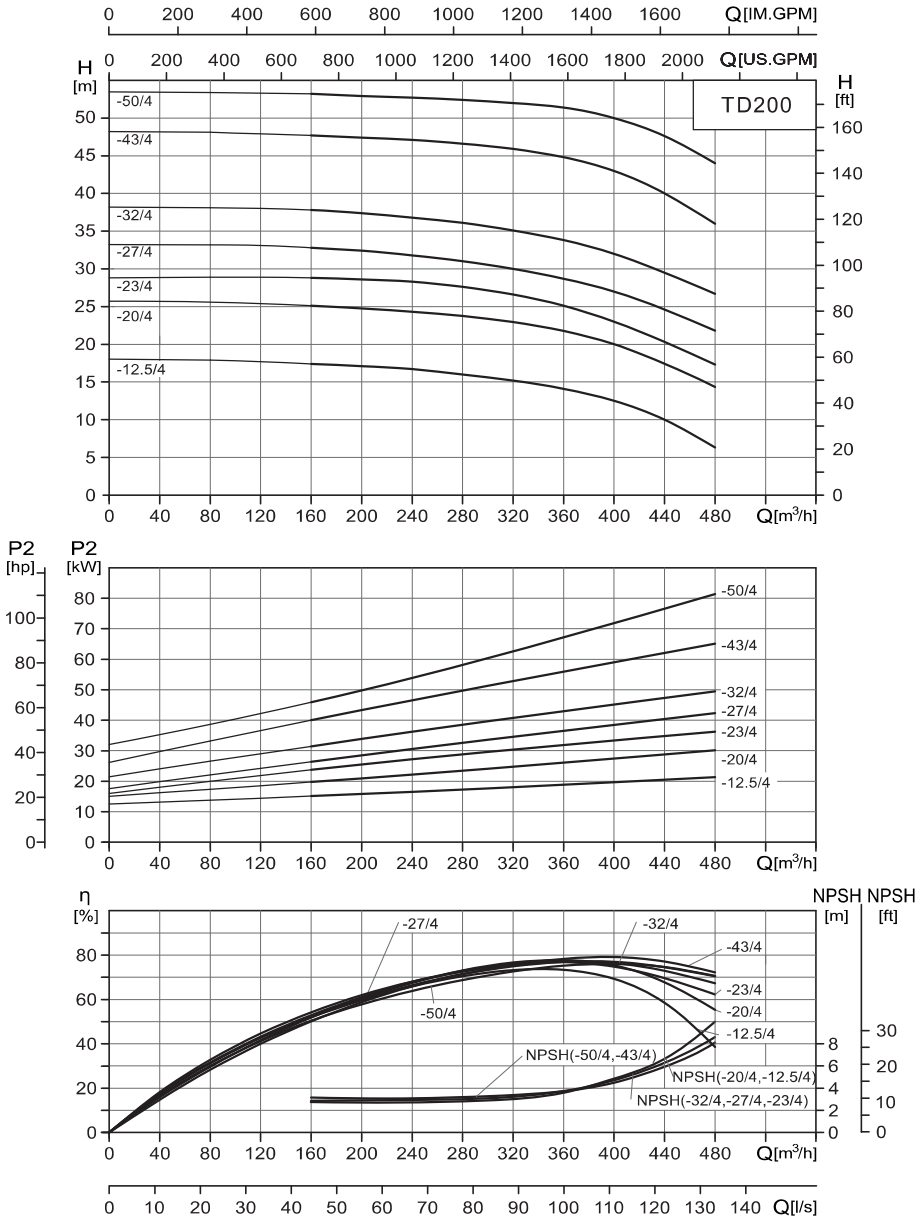


Dimensions and weights

Model	Dimension(mm) D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	Weight (kg)
TD150-15/4	350	315	250	238	208	230	215	269	982	800	400	280
TD150-18/4	350	315	250	238	208	230	215	269	1024	800	400	300
TD150-20/4	350	360	275	238	208	230	215	269	1061	800	400	336
TD150-24/4	350	360	275	238	208	230	215	269	1099	800	400	352
TD150-32/4	400	400	305	238	208	230	215	269	1133	800	400	403
TD150-36/4	450	450	325	267	248	230	230	288	1192	900	450	508
TD150-44/4	450	450	325	267	248	230	230	288	1215	900	450	545

Note: The dimension of single-phase motor and explosion-proof motor will change. Please consult our company for more details.

Performance curve

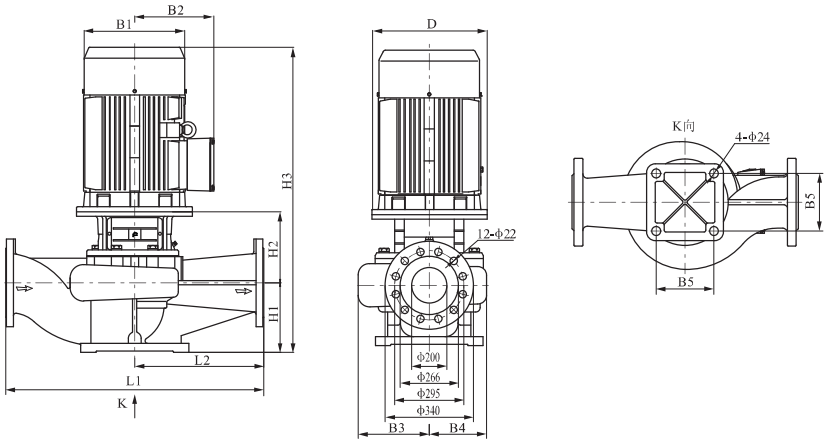


TD200 Performance table

60Hz

Model	Motor (kW)	Motor (hp)	Q (m³/h)	160	200	240	280	320	360	400	440	480
TD200-12.5/4	22	30	H (m)	17.4	17.1	16.7	16	15.2	14.1	12.5	10	6.3
TD200-20/4	30	40		25.1	24.8	24.3	23.8	23	21.8	20	17.5	14.9
TD200-23/4	37	50		28.8	28.6	28.3	27.6	26.6	25.1	23	20.3	17.3
TD200-27/4	45	60		32.8	32.4	31.8	31	30	28.7	27	24.6	21.8
TD200-32/4	55	75		37.8	37.4	36.8	36.1	35.1	33.8	32	29.5	26.7
TD200-43/4	75	100		47.7	47.4	47.1	46.6	45.9	44.8	43	40	36
TD200-50/4	90	120		53.2	52.9	52.7	52.4	52	51.4	50	47.6	44

Installation sketch

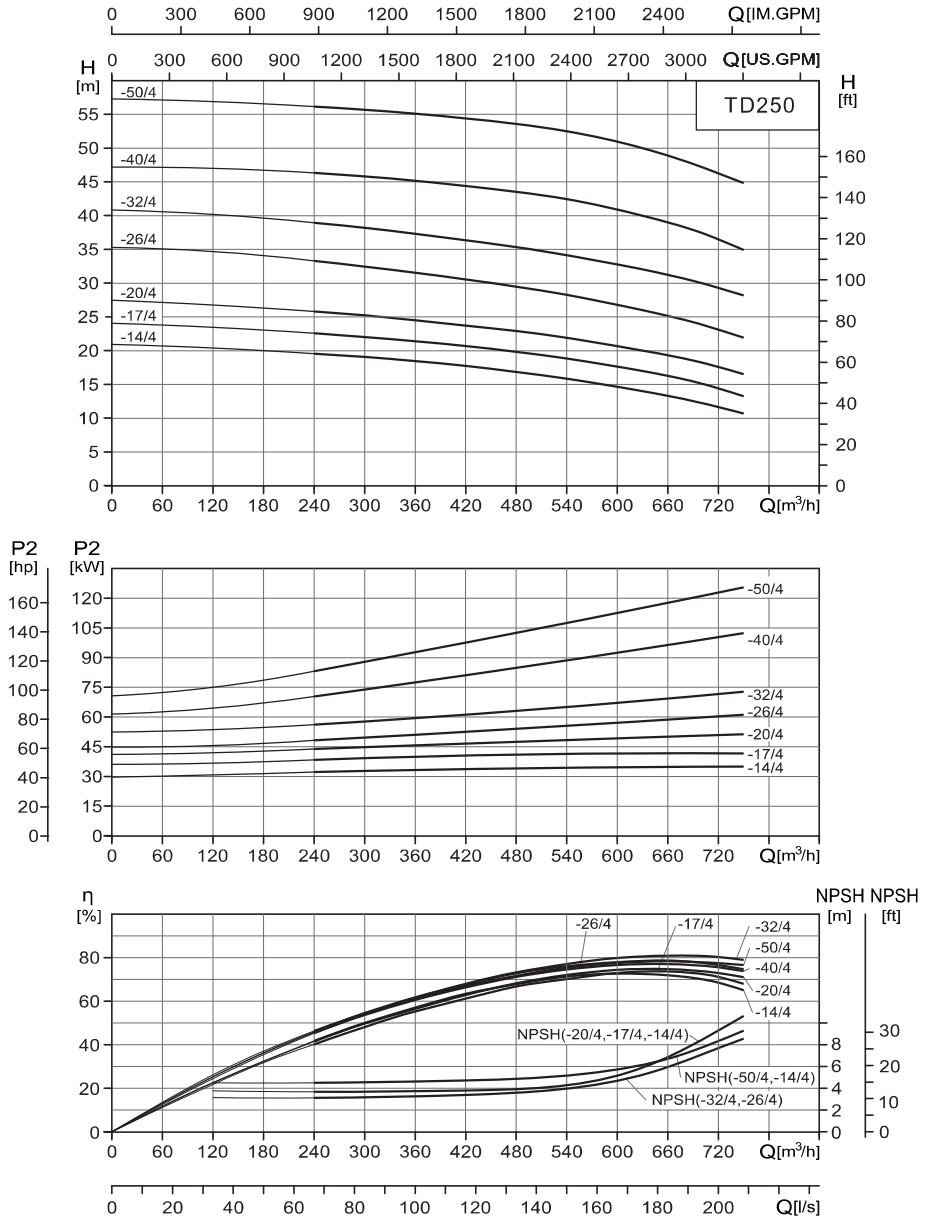


Dimensions and weights

Model	Dimension(mm) D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	Weight (kg)
TD200-12.5/4	350	360	280	278	219	360	270	415	1300	1000	500	431
TD200-20/4	400	400	305	278	219	360	270	415	1334	1000	500	490
TD200-23/4	450	450	335	303	252	360	270	445	1389	1100	550	600
TD200-27/4	450	450	335	303	252	360	270	445	1412	1100	550	636
TD200-32/4	550	490	365	303	252	360	270	445	1488	1100	550	707
TD200-43/4	550	550	400	315	269	360	270	457	1556	1100	550	880
TD200-50/4	550	550	400	315	269	360	270	457	1607	1100	550	971

Note: The dimension of single-phase motor and explosion-proof motor will change. Please consult our company for more details.

Performance curve

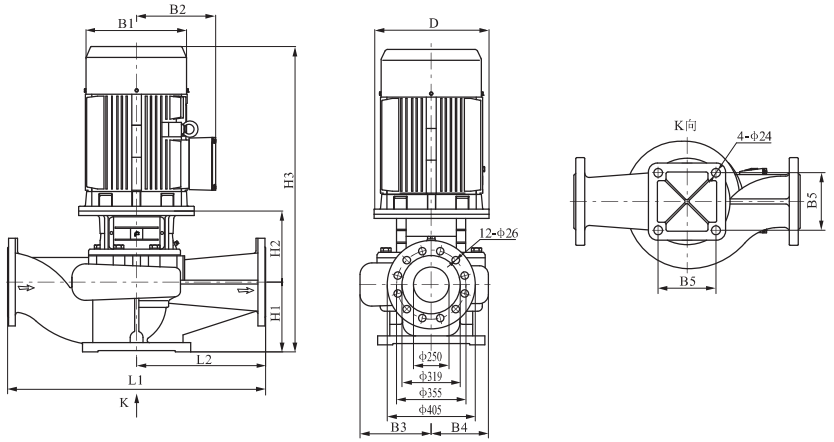


TD250 Performance table

60Hz

Model	Motor (kW)	Motor (hp)	Q (m³/h)	240	300	360	420	480	540	600	630	660	720	750
TD250-14/4	37	50	H (m)	19.6	19.1	18.4	17.7	16.8	15.9	13.3	14	13.3	11.6	10.7
TD250-17/4	45	60		22.5	22.1	21.4	20.7	19.9	18.9	16.3	17	16.3	14.4	13.2
TD250-20/4	55	75		25.8	25.2	24.5	23.7	22.9	21.9	19.3	20	19.3	17.6	16.5
TD250-26/4	75	100		33.3	32.5	31.5	30.6	29.5	28.2	25.2	26	25.2	23.1	21.9
TD250-32/4	90	120		38.9	38.2	37.3	36.3	35.3	34.2	31.2	32	31.2	29.3	28.2
TD250-40/4	110	150		46.4	45.8	45.2	44.4	43.6	42.4	39	40	39	36.5	34.9
TD250-50/4	132	180		56.1	55.7	55.1	54.4	53.6	52.5	48.9	50	48.9	46.3	44.8

Installation sketch

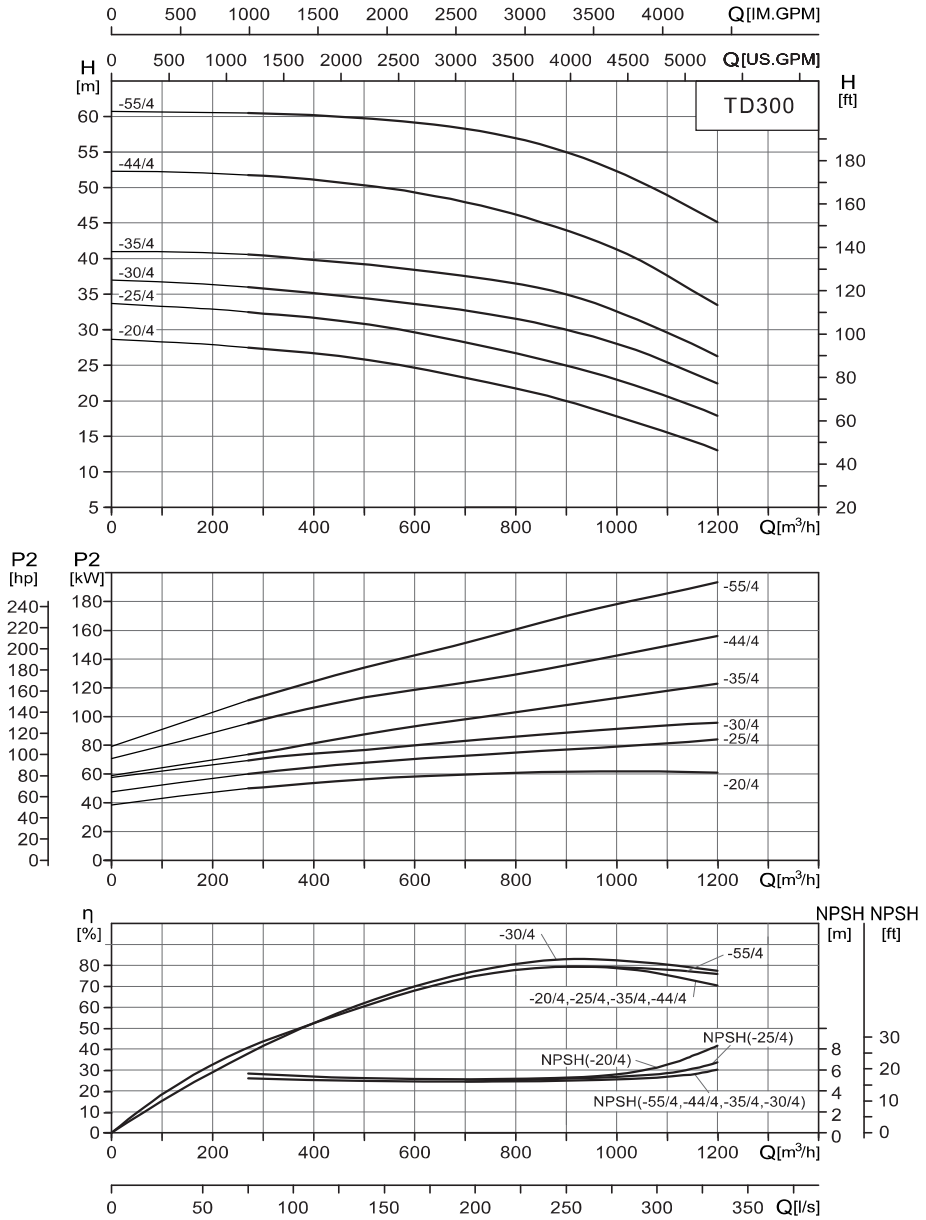


Dimensions and weights

Model	Dimension(mm) D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	Weight (kg)
TD250-14/4	450	450	335	316	243	390	300	495	1469	1100	550	610
TD250-17/4	450	450	335	316	243	390	300	495	1492	1100	550	647
TD250-20/4	550	490	365	316	243	390	300	495	1568	1100	550	720
TD250-26/4	550	550	400	329	264	440	300	507	1636	1100	550	906
TD250-32/4	550	550	400	329	264	440	300	507	1687	1100	550	997
TD250-40/4	660	625	555	347	292	440	305	525	1840	1200	600	1386
TD250-50/4	660	625	555	347	292	440	305	525	1990	1200	600	1469

Note: The dimension of single-phase motor and explosion-proof motor will change. Please consult our company for more details.

Performance curve

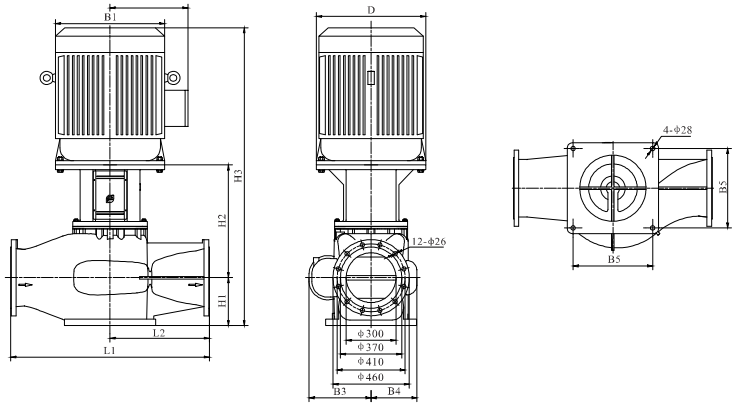


TD300 Performance table

60Hz

Model	Motor (kW)	Motor (hp)	Q (m³/h)	270	360	450	630	750	900	1080	1200
TD300-20/4	75	100	H (m)	27.5	27	26.3	24.3	22.5	20	16	13
TD300-25/4	90	120		32.5	32	31.3	29.3	27.6	25	21.1	17.9
TD300-30/4	110	150		36	35.4	34.8	33.4	32.1	30	26	22.4
TD300-35/4	132	180		40.6	40	39.6	38.2	37	35	30.2	26.3
TD300-44/4	160	215		51.8	51.3	50.7	49	47.1	44	38.5	33.5
TD300-55/4	200	270		60.5	60.3	60	58.9	57.7	55	49.6	45

Installation sketch



Dimensions and weights

Model	Dimension(mm) D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	Weight (kg)
TD300-20/4	550	550	400	345	250	440	290	649	1770	1200	600	1070
TD300-25/4	550	550	400	345	250	440	290	649	1820	1200	600	1120
TD300-30/4	660	625	555	345	250	440	290	679	2200	1200	600	1460
TD300-35/4	660	625	555	345	250	440	290	679	2150	1200	600	1540
TD300-44/4	660	625	550	380	295	480	290	702	2150	1200	600	1780
TD300-55/4	660	625	550	380	295	480	290	702	2150	1200	600	1900

Note: The dimension of single-phase motor and explosion-proof motor will change. Please consult our company for more details.

MEMO

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20141110

VTP

Vertical Turbine Pump



NANFANG PUMP INDUSTRY CO., LTD.













Vertical Turbine Pumps

The 4 different model vertical turbine pumps have one thing in common the hydraulic design of the pump bowl assembly. Using a new techniques in turbine pump design. It covers a wide range of hydraulic conditions to meet virtually every pumping service with optimum efficiency.

CNP flexibility of design allows the use of a wide range of material and design features to meet the custom requirements of user. No matter what the requirements, whether low first cost, ease of maintenance, optimum efficiency. Tough service conditions, CNP can make the pump to best satisfy the requirements.

- VTC Centrifugal or mixed-flow pump for high pressure
- VTM Mixed-flow pump for high flow and middle pressure
- VTA Axial-flow pump for high flow low pressure
- VTG Pump for fire and marine gear box engine driven

Model VTC

Vertical Industrial Turbine Pumps

VTC series is a single or multistage pump with centrifugal or mixed-flow enclosed type impeller, designed for high pressure services.





Model VTM

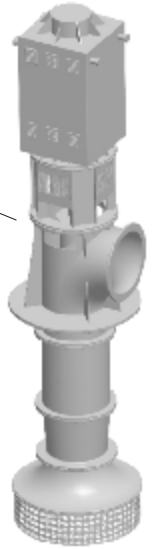
High Capacity Vertical Turbine Pumps

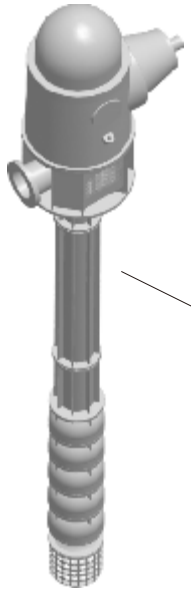
VTM series is a single stage pump with mixed-flow semi-open or enclosed type impeller, designed for high capacity, medium to high head services.

Model VTA

Low Head Vertical Turbine Pumps

VTA series is a single stage pump with axial-flow impeller, designed for high capacity, low head services.





Model VTG

Right Angle Gear Box Driven Vertical Turbine Pumps

VTG series is vertical turbine pump designed for engine driven through a right angle gear box, for the place where electric power is not available services.

Standard Design Features Of VTP

The bowl assembly is the heart of the VTP . The impeller and diffuser type casing are designed to deliver the head and capacity that your system requires in the most efficient way possible. The fact that the VTP can be multi-staged allows maximum flexibility both in the initial pump selection and in the event that future system modifications require a change in the pump rating. Submerged impellers allow pump to be started without priming.

A variety material options allows the selection of a pump best suited for even the most severe services. The many bowl assembly options available assure that the VTP satisfies the user' s need for safe, efficient, reliable and maintenance-free operation.

1. Strainers
316SS Basket strainers to provide protection from large solids.

2. Suction bell
Allows smooth entry of liquid into impeller eye, minimizes vortex formation.
Scotchkote custom fusion bonded epoxy coating inside.

3. Suction bell bearing
Provided for shaft stability.

4. Sand collar
Prevents solids from entering suction bearing.

5. Impeller
Hydraulic balancing to reduce axial down thrust and achieve long thrust bearing life.
Dynamic balancing of impellers are available.

6. Pump shaft
Heavy duty, 416SS standard, other alloys for strength and corrosion resistance.
Hollow pump shaft with flushing hole special for bearing flushing on corrosive/abrasive services.

7. Diffuser bowl
Available in variety of cast material. Scotchkote custom fusion bonded epoxy coating inside to improved the efficiency and longer life. Registered fits assure positive alignment, ease of maintenance.

8. Sleeve type bearing
Provided at each stage to assure stable operation away from critical speed.

9. Wear rings
Dual wear rings for enclosed impellers and bowls, permits re-establishing initial running clearances and efficiency at lower cost. Hard facing of wear surface available for longer life. Wear ring can be flushed when solids are present in the pumping liquid.

10. Keyed impeller
Keyed impeller for all the pumps, suitable for pumping liquid in high temperatures. Keyed impellers provide ease if maintenance and positive locking under fluctuating load and temperature conditions.

11. Flanged column
Heavy duty seamless column pipe sections are provided with flanged ends incorporating registered fits for ease of alignment during assembly.

12. Lineshaft and coupling
a. Open lineshaft
Flanges column/product lubricated lineshaft is recommended for ease of maintenance or whenever a special bearing material is required. Precision keyed lineshaft coupling available in all sizes for ease of maintenance. Various bearing material available. Renewable shaft sleeve or hard facing of shaft available for longer life.
b. Enclosed lineshaft
The lineshaft is protected by water flushing tube, flushing water for bearing and wear ring on corrosive/abrasive services.

13. Bearing retainer and lineshaft bearing
Ductile cast iron bearing retainer for size smaller that 24" .Various bearing material available.

14. Discharge head and motor riser
Discharge head and motor riser designed for all modes of drivers including hollow shaft or solid shaft motors, right angle gears, vertical steam turbines, etc. Fabricated elbow discharge head engineered to minimize losses. Large access holes provide easy access to coupling and stuffing box. Above ground and below ground discharge head for requirement.

15. Thrust bearing
Oil lubricated thrust bearing assembly set with water cooling system make the pumps running safely in longer life

16. Packing box
Whenever packing lubrication leakage can be tolerated and the discharge pressure does not exceed 300psi, a packed box may be used. Optional headshaft sleeve available to protect shaft.

17. Coupling for pump and motor
Flexible coupling for pump and motor when pump with thrust bearing. impeller adjustment by the nut on the top shaft.

VTC, VTG Industrial Turbine Pumps

Specification range

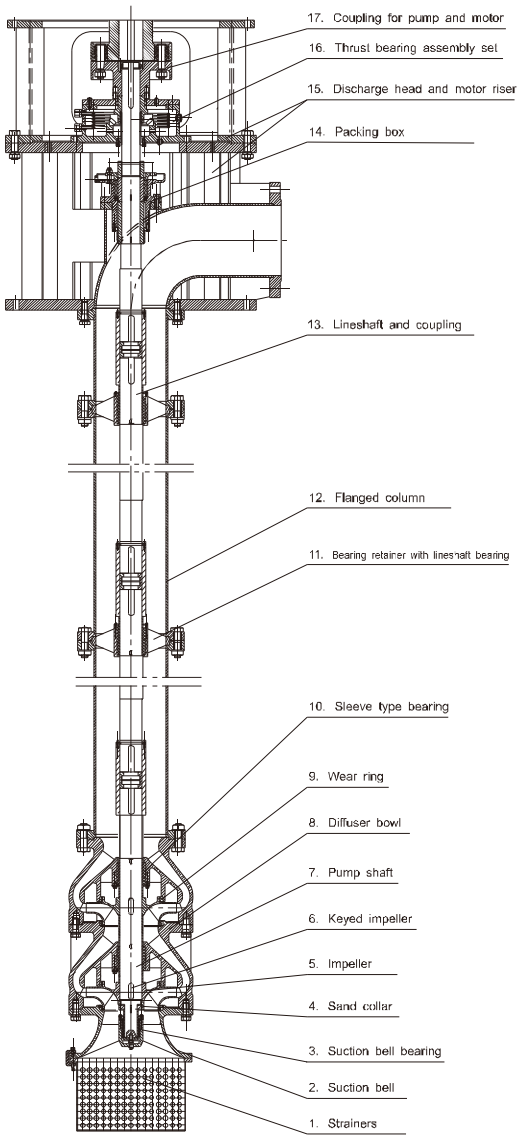
- Capacities to 5500m³/h (24,000GPM)
- Heads to 300m (980ft)
- Temperatures to 80℃(176℉)

Design Advantages

1. Fabricated discharge head for 10" or larger sizes. Suitable for temperaturer liquid pumping.
2. Seamless flanged ends column pipe and flanges bowl construction incorporating registered fits for ease of assembly during assembly.
3. Alloy construction with external tube flush of critical wear areas available for abrasive services.
4. Build-in alignment and simple piping for less costly installation and ease of maintenance reduced downtime.
5. 416SS shafting. Keyed lineshaft coupling available in all size for ease of maintenance.
The lineshaft can be protected by water flushing the enclosing tube bearing on corrosive/abrasive services.
6. Various bearing material available.
7. Renewable shaft sleeve or hard facing of shaft available for long life.
8. Dual wear rings for impellers and bowls.
Hard facing wear surfaces available for longer life. Wear rings can be flushed when solids are present in pumpage.

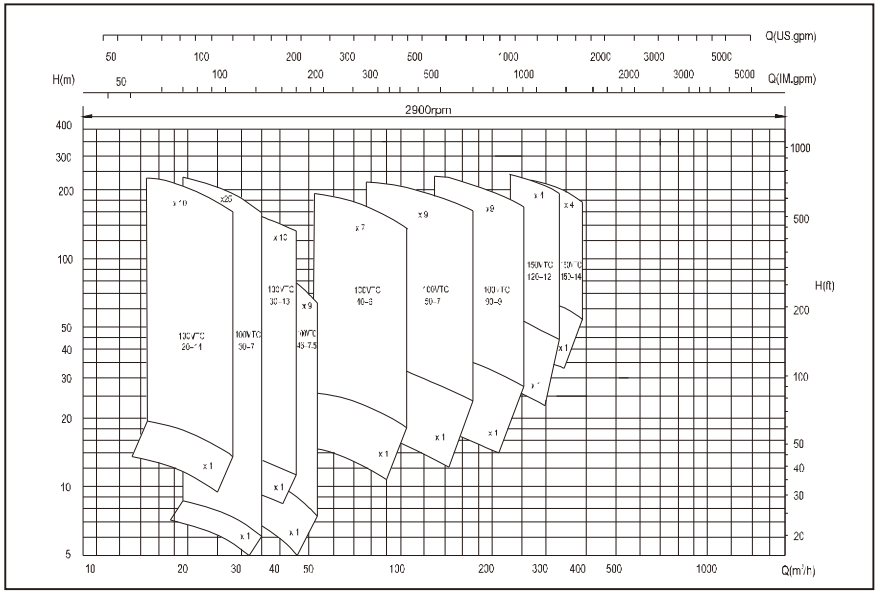
Services

Cooling Water
Seawater and Raw Water Intake
Industrial Process Pumps
Utility Circulating Water
Condenser Circulating Water Pumps
Ash Sluice
Fire-fighting

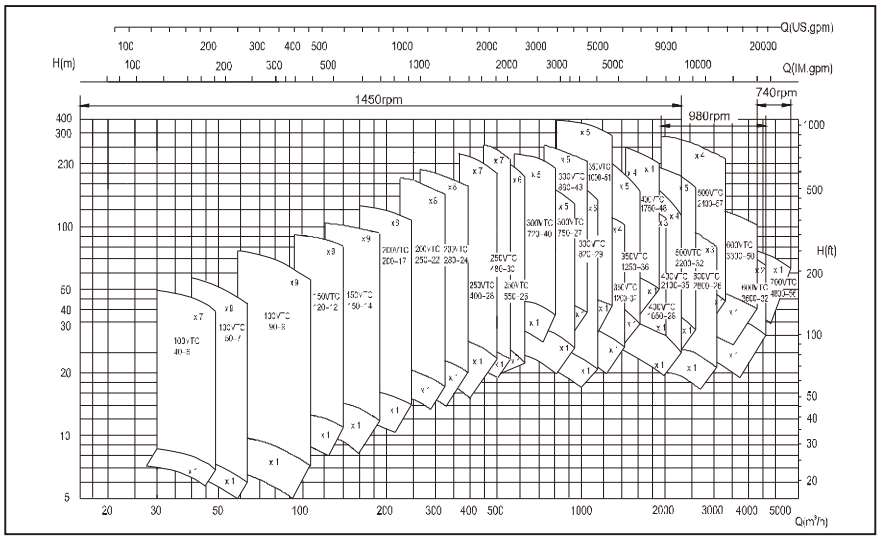


VTC Selection Charts

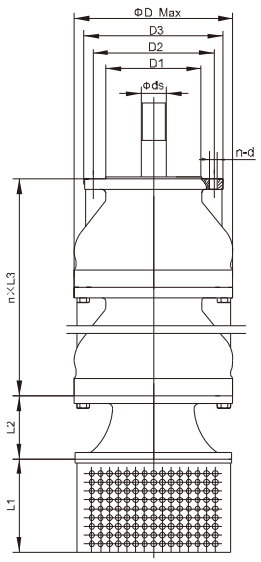
2900r/min



1450/980/740r/min



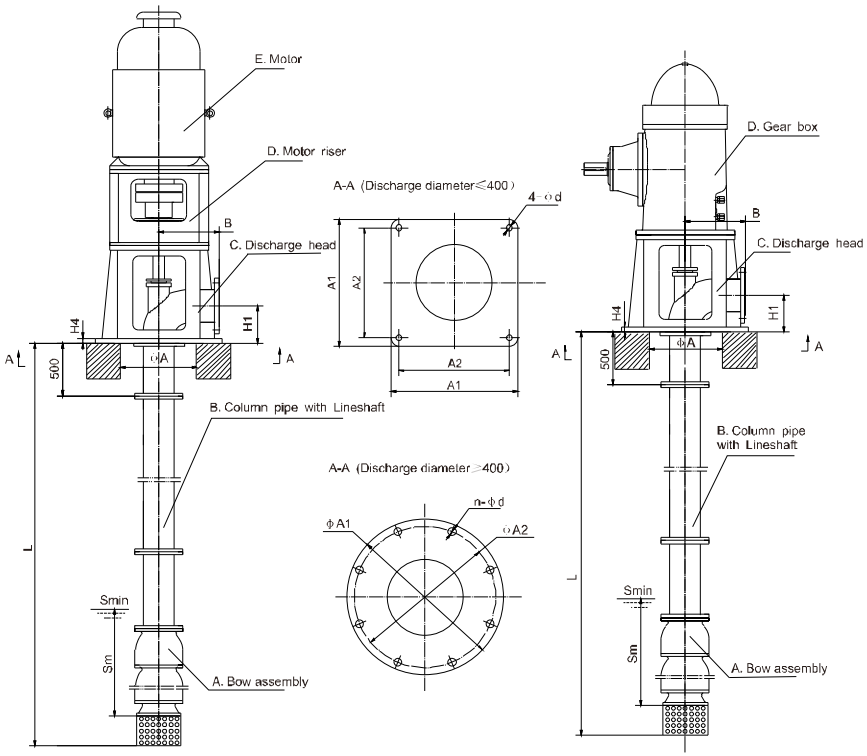
VTC Pump Bowl Assembly Dimensions



Model	D Max	L1	L2	L3	Max n	D1	D2	D3	Φds	n - Φd
100VTC20-14	195	150	95	110	10	125h6	165	195	28	8-M12
100VTC30-7	133	200	80	90	25	132h6	160	200	22	8-Φ14
100VTC30-13	180	150	95	135	10	125h6	156	180	28	8-M12
100VTC40-6	245	225	90	180	10	130h6	210	220	30/35	8-M16
100VTC50-7	245	240	90	180	10	130h6	174	200	40	8-Φ13.5
100VTC90-9	245	240	90	225	6	130h6	174	200	40	8-Φ13.5
150VTC120-12	323	295	140	230	4	160h6	210	240	40	8-M16
150VTC150-14	323	292	140	230	4	160h6	210	240	40	8-M16
200VTC200-17	358	320	140	250	3	230h6	280	320	30/40	8-Φ23
200VTC250-22	420	320	165	300	5	230h6	280	320	50	8-Φ22
200VTC280-24	420	320	165	300	4	230h6	280	320	50	8-Φ22
250VTC400-28	477	340	185	330	8	280h6	330	370	60	12-Φ22
250VTC480-30	477	340	185	330	8	280h6	330	370	60	12-Φ22
250VTC550-26	430	320	170	365	7	280h6	330	370	60	12-Φ22
300VTC720-40	570	600	220	390	7	340h6	385	425	60/70/80	12-M20
300VTC820-29	480	320	170	475	7	340h6	385	425	60/70/90	12-Φ22
300VTC860-43	570	600	220	390	7	340h6	385	425	60/70/80	12-M20
300VTC900-25	435	600	170	513	5	340h6	385	425	50	12-Φ23
350VTC1000-51	630	370	250	430	7	395h6	440	480	70/90	16-M20
350VTC1200-32	550	320	250	600	4	395h6	440	480	60	16-M20
350VTC1250-36	550	320	250	550	5	395h6	440	480	70/80/90	16-Φ23
400VTC1650-28	670	400	280	720	3	440h6	500	550	70/80	16-M24
400VTC1750-48	620	400	280	615	4	440h6	500	550	80/90	16-M24
400VTC2100-35	550	320	250	600	4	440h6	500	550	70	16-M20
500VTC2200-32	755	550	250	750	5	550h6	600	650	90	16-Φ26
500VTC2400-57	965	480	390	675	4	550h6	600	650	90/100/120	16-Φ30
600VTC2800-26	718	550	450	550	3	660h6	725	780	80/100/110	20-Φ30
600VTC3300-50	880	320	280	760	2	650h6	700	745	90/100/110	16-Φ27
600VTC3600-32	810	550	330	870	2	650h6	700	745	90/100	16-M24
700VTC4800-56	1330	440	405	890	1	750h6	840	900	120/140	24-Φ30

VTC, VTG Pump Dimensions

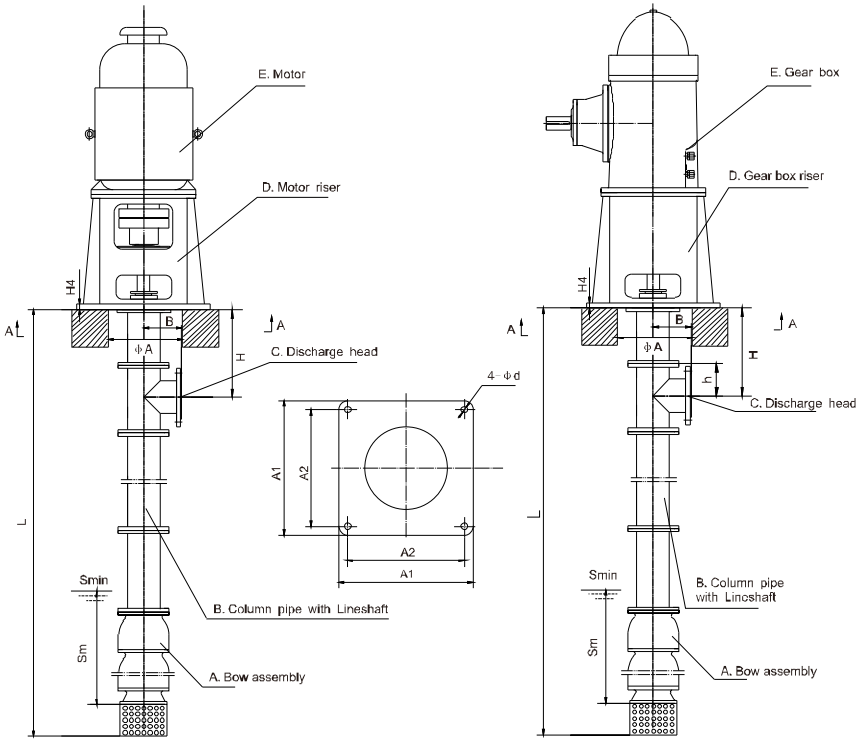
(Above Ground Discharge)



Model	A1	A2	n-○d	H1	H4	B	Sm	○A
100VTC	470	420	4-25	145	20	300	400	300
150VTC	550	500	4-25	165	25	350	450	380
200VTC	700	640	4-30	215	25	400	480	480
250VTC	780	720	4-30	265	30	450	700	550
300VTC	880	820	4-30	320	35	500	900	650
350VTC	930	870	4-30	370	35	550	1400	700
400VTC	1030	960	4-30	420	40	600	1800	700
500VTC	Φ1500	Φ1400	8-40	520	40	700	1800	1000
600VTC	Φ1600	Φ1500	12-40	620	45	850	2000	1100
700VTC	Φ1900	Φ1800	12-40	700	50	950	2200	1400

1. Discharge Flanges drilled to ISO.DIN.BS or ANSI.
2. 400 outlet diameter and below can directly use the table size, over 400 outlet diameter will be subject to overall dimension of CNP.
3. The final installation size will be subject the final overall dimension of CNP.

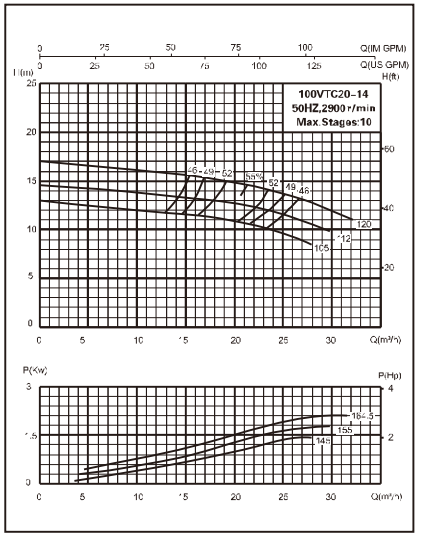
VTC, VTG Pump Dimensions
(Below Ground Discharge)

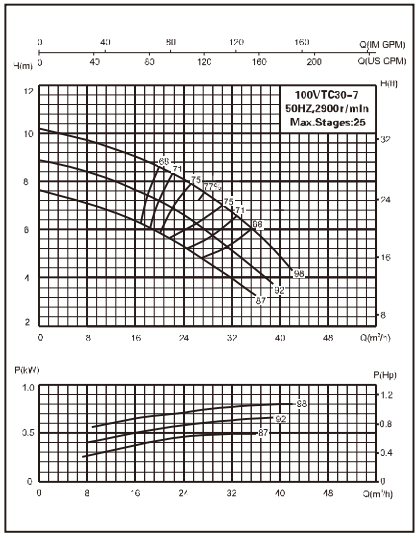


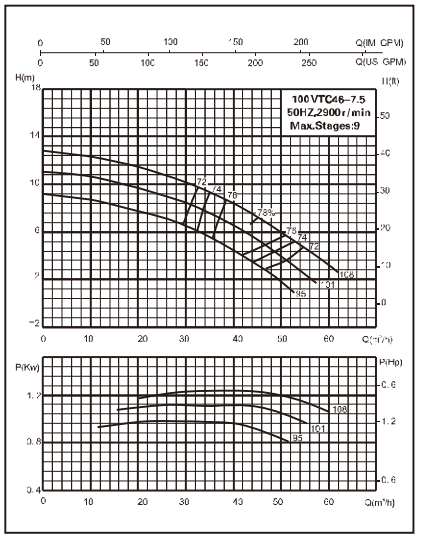
Model	A1	A2	Φd	h	B	Sm	ΦA
100VTC	470	420	25	200	140	400	350
150VTC	550	500	25	200	180	450	420
200VTC	700	640	30	200	220	480	520
250VTC	780	720	30	240	280	700	600
300VTC	880	820	30	260	330	900	700
350VTC	930	870	30	300	380	1400	770
400VTC	1030	960	30	320	430	1800	850

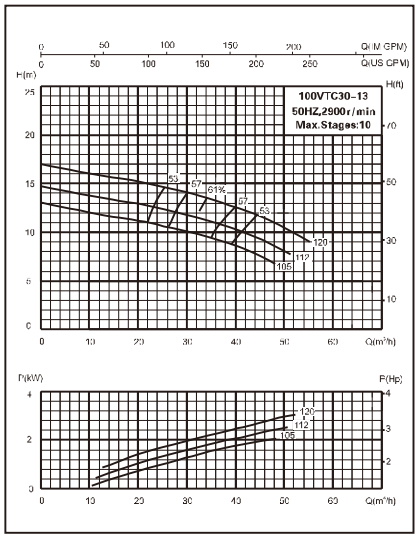
1. Discharge Flanges drilled to ISO.DIN.BS or ANSI.
2. The final installation size will be subject to the final overall dimension of CNP.
3. The VTC series below ground discharge in principle is not recommended
4. Over 500 outlet diameter will be subject to overall dimension of CNP.

VTC, VTG Pump Curves
(Single stage)

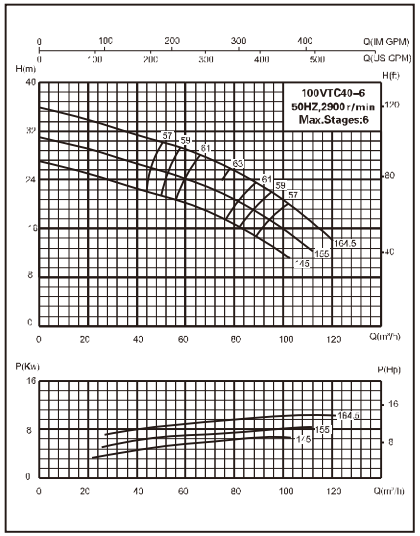


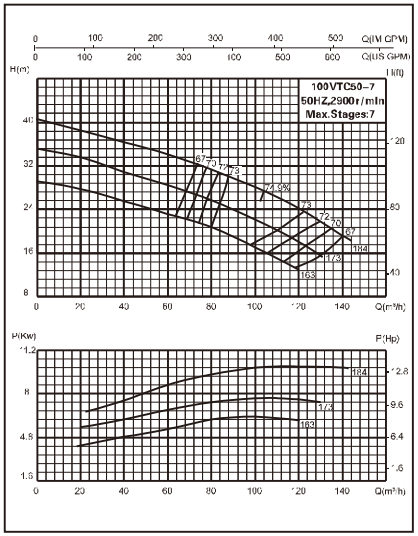


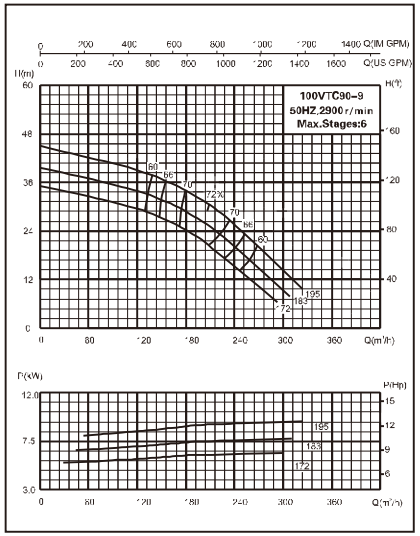


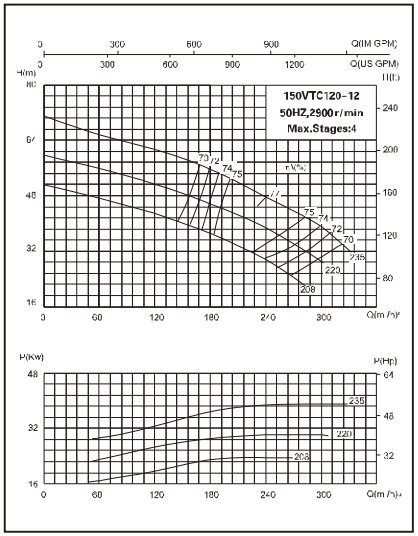


VTC, VTG Pump Curves
(Single stage)

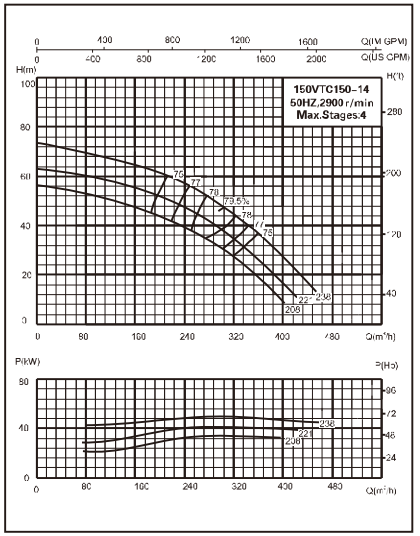


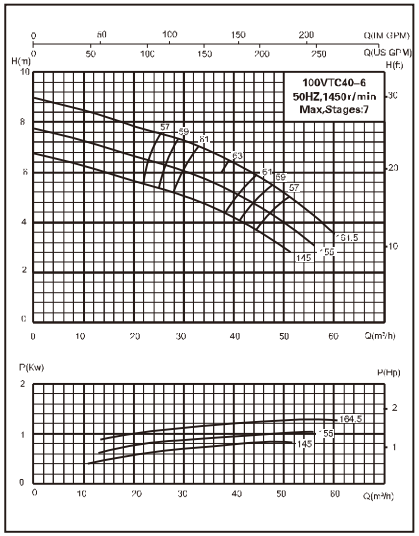


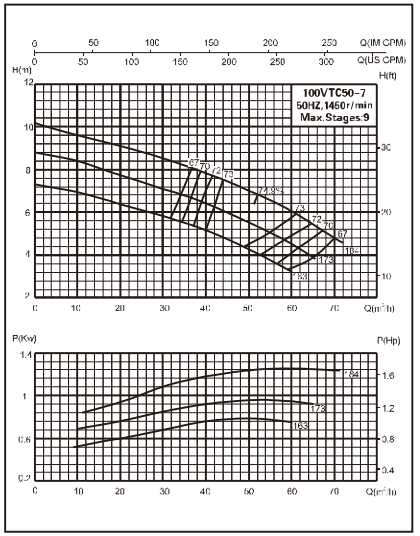


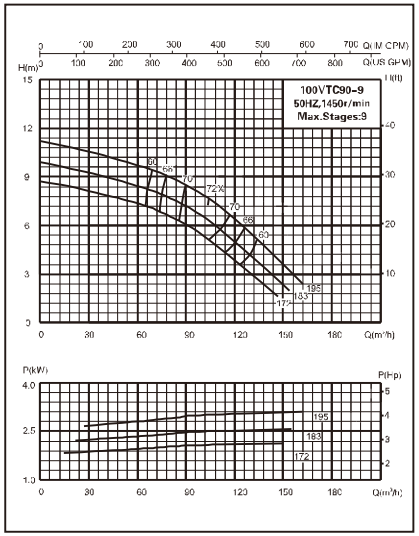


VTC, VTG Pump Curves
(Single stage)

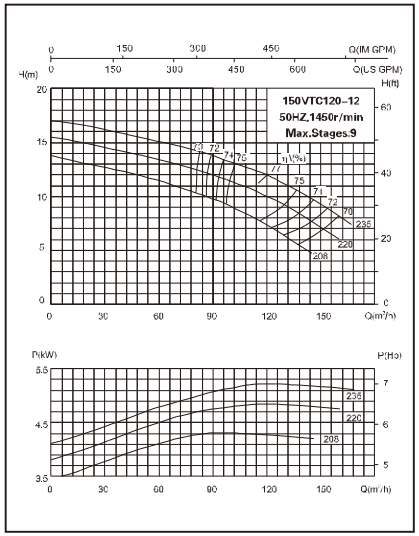


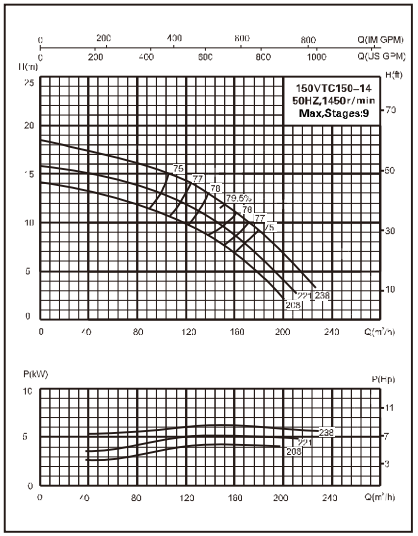


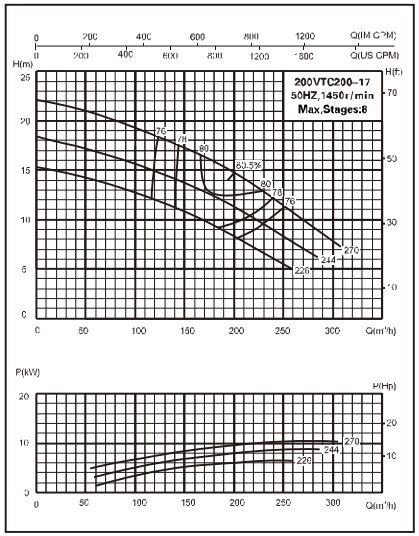


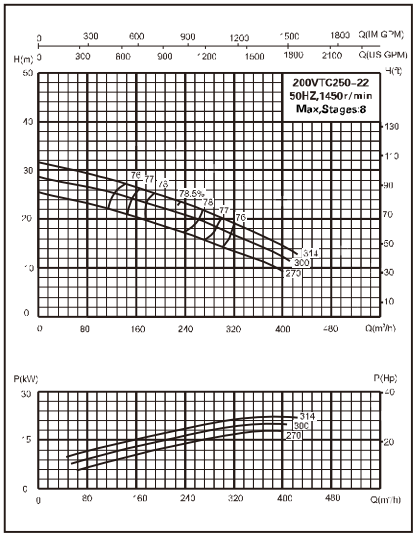


VTC, VTG Pump Curves
(Single stage)

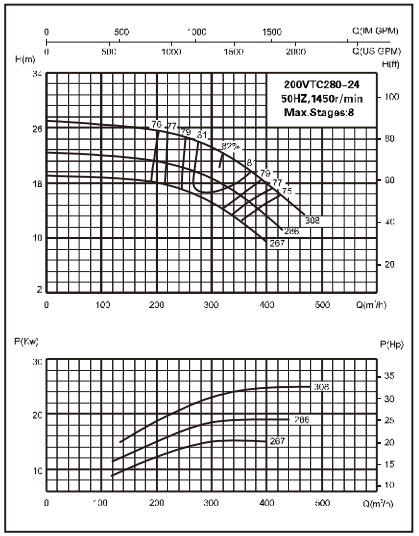


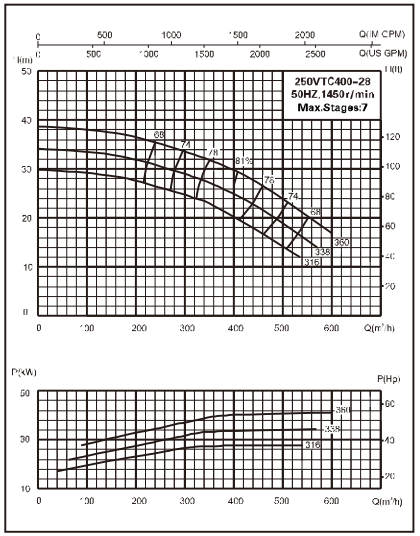


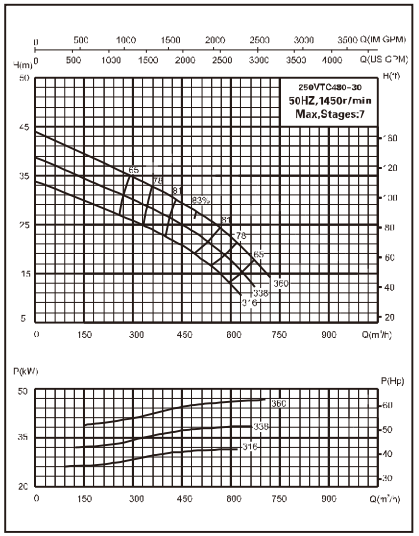


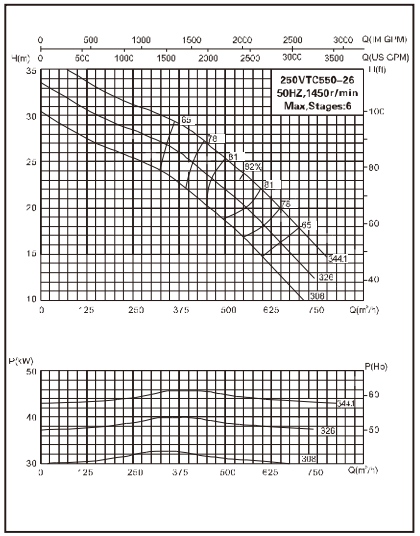


VTC, VTG Pump Curves
(Single stage)

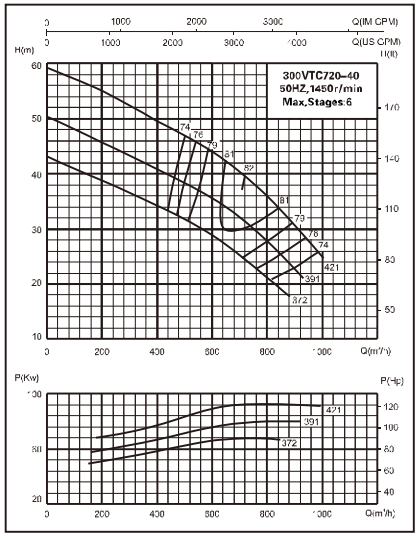


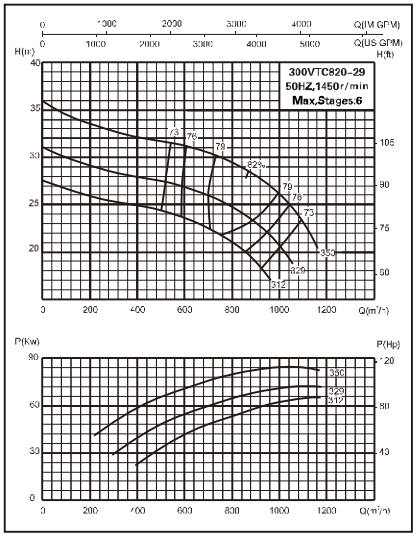


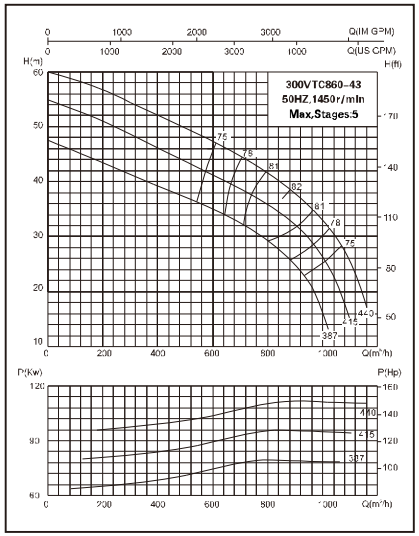


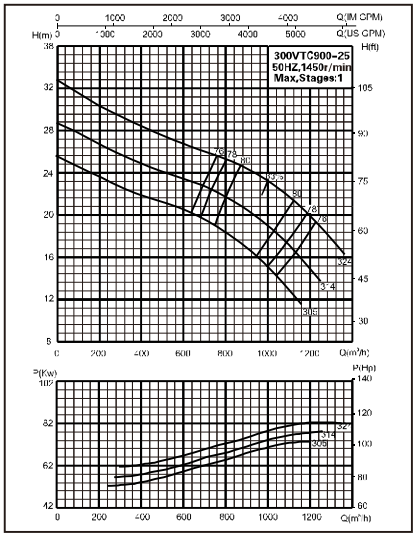


VTC, VTG Pump Curves
(Single stage)

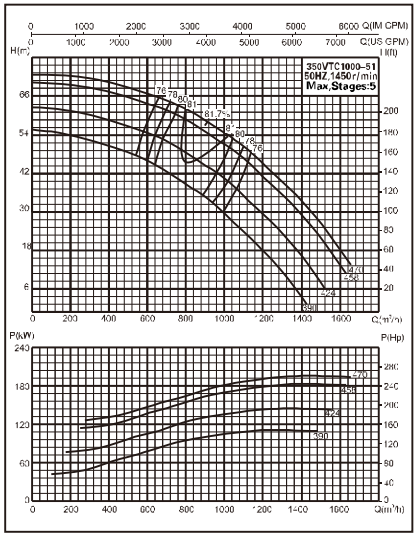


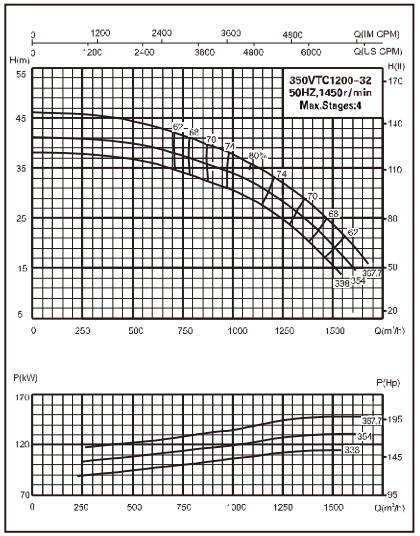


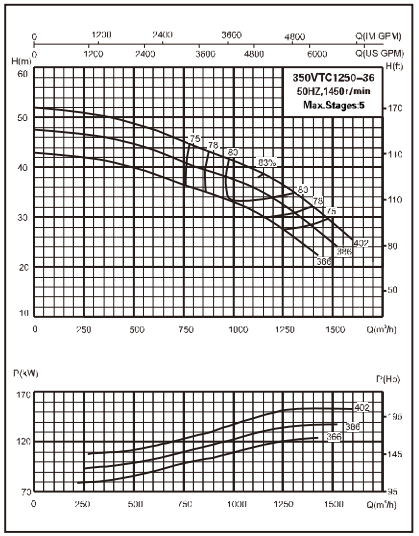


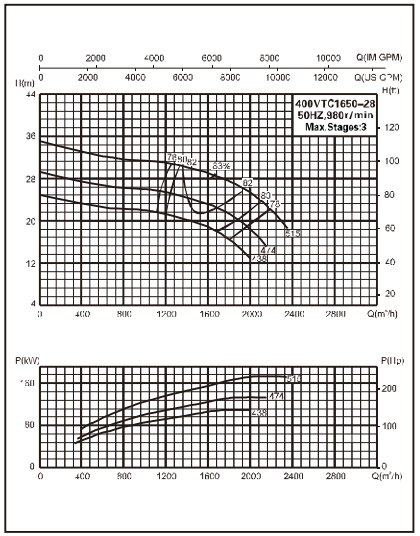


VTC, VTG Pump Curves
(Single stage)

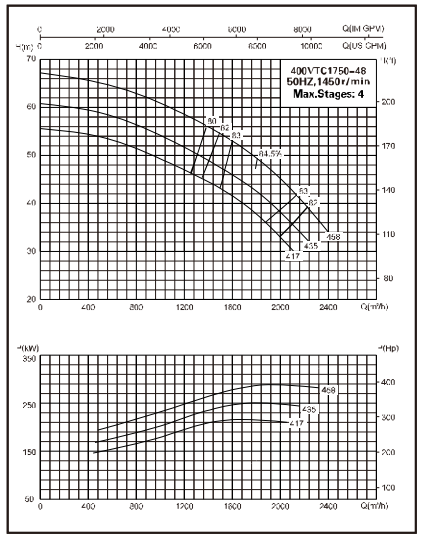


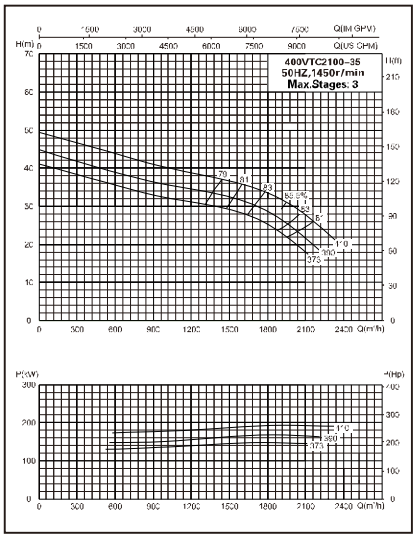


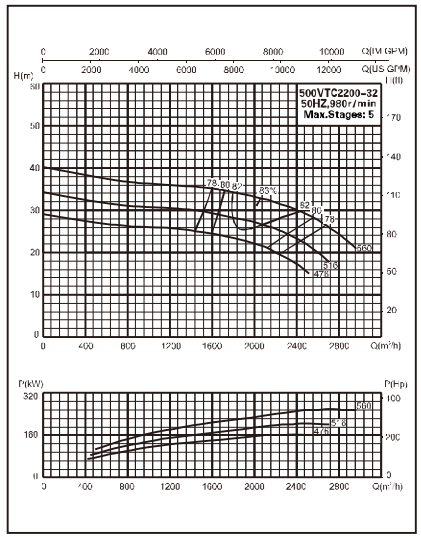


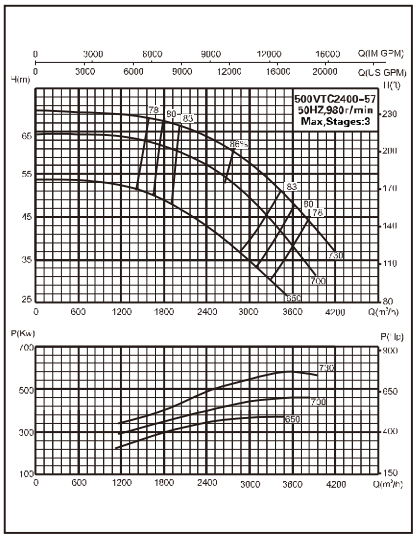


VTC, VTG Pump Curves
(Single stage)

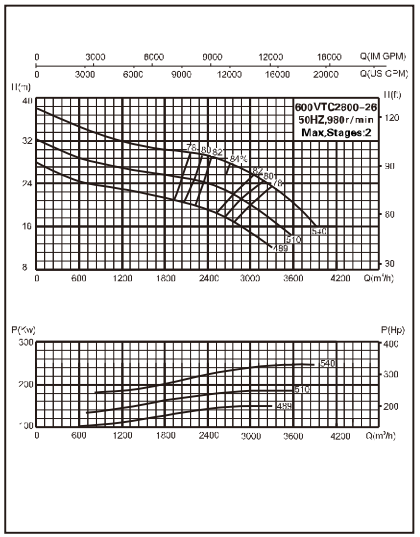


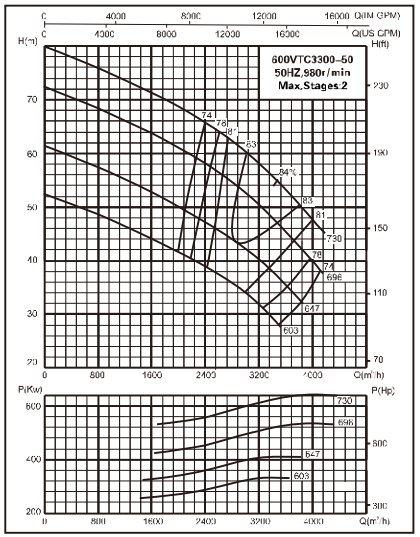


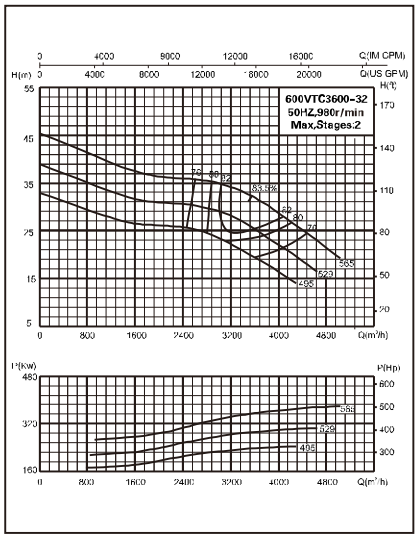


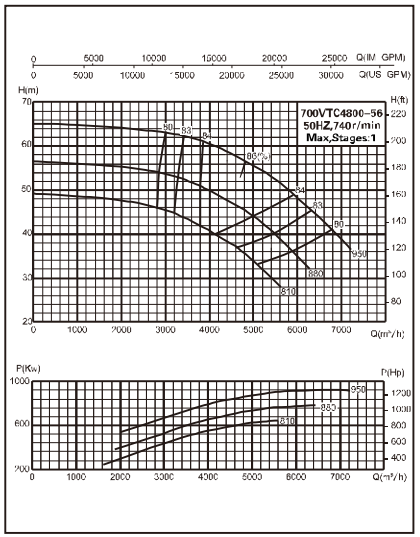


VTC, VTG Pump Curves
(Single stage)









VTM, VTG Vertical Turbine Pumps

Specification range

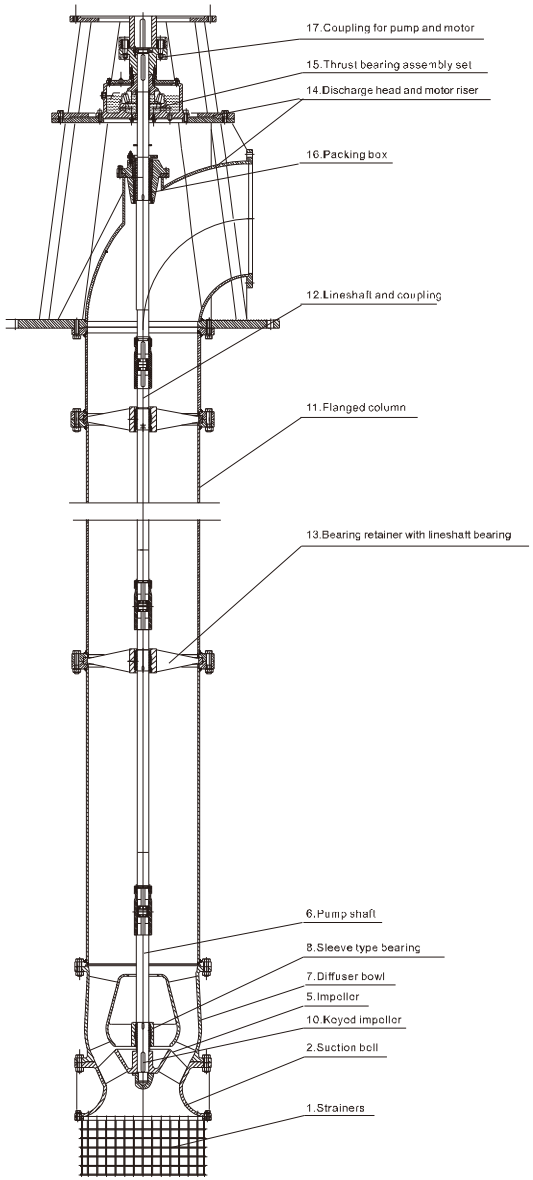
- Capacities to 40000m³/h (180,000GPM)
- Heads to 60m (200ft)

Design Advantages

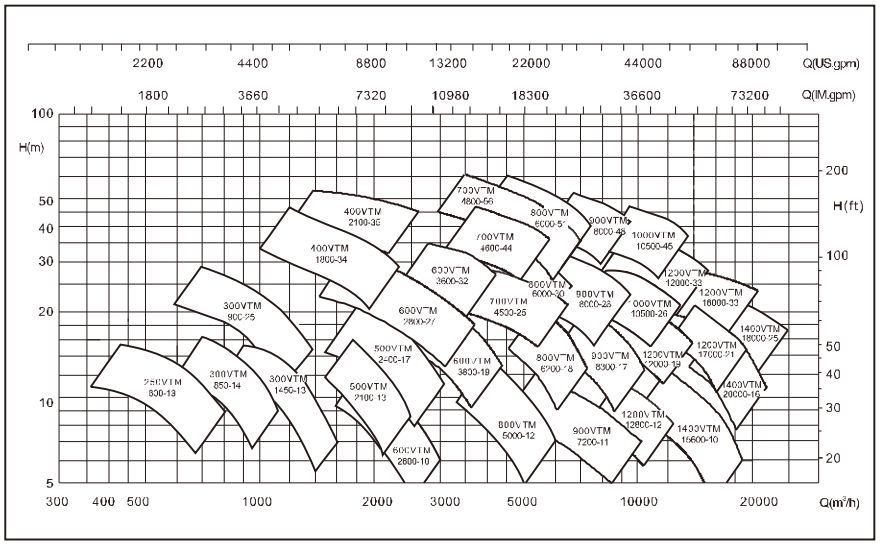
1. Fabricated discharge head for all sizes.
2. Seamless flanged ends column pipe and flanges bowl construction incorporating registered fits for ease of assembly during assembly.
3. Alloy construction with external tube flush of critical wear areas available for abrasive services.
4. Available with semi–open or enclosed impeller, with or without wear rings, optimum diffuser and impeller match for maximum efficiency.
5. 416SS shafting. Keyed lineshaft coupling available in all size for ease of maintenance. The lineshaft can be protected by water flushing the enclosing tube bearing on corrosive/abrasive services.
6. Various bearing material available.
7. Wide range of corrosion and erosion resistant materials.
8. Hollow shaft for bowl bearing flushing.
9. Flexible design to accommodate fixed or existing dimensions above and below ground discharge.

Services

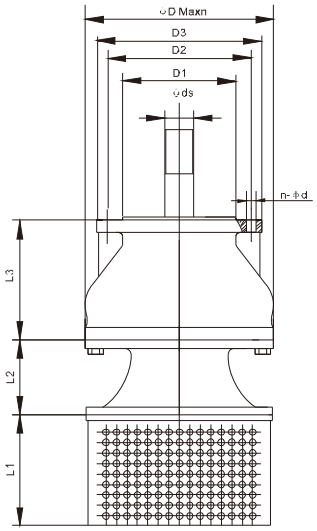
Cooling Water
Seawater and Raw water intake
Industrial Process Pumps
Utility Circulating Water
Condenser Circulating Water Pumps
Irrigation and Drainage
Storm and Flood water
River Water Intake
Municipal Water Supply



VTM Selection Charts



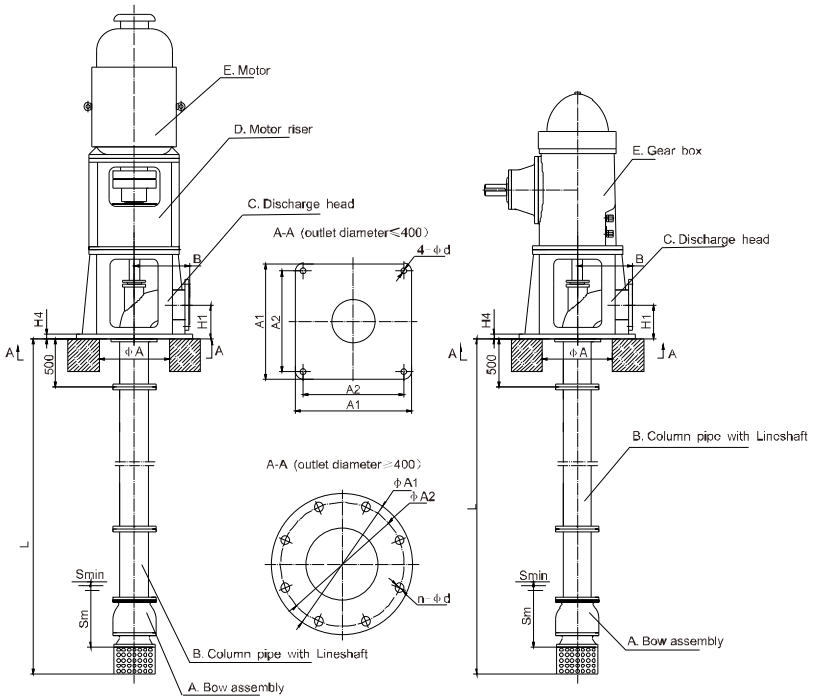
VTM Pump Bowl Assembly Dimensions



Model	Dmax	L1	L2	L3	Φds	D1	D2	D3	n-Φd
250VTM600-13	393	320	110	385	40	305h6	350	393	12-Φ23
300VTM850-14	427	320	120	415	40	330h6	385	427	12-Φ23
300VTM900-25	435	320	180	513	50	320h6	360	400	12-Φ23
350VTM1450-13	480	320	240	410	40	395h6	440	480	16-Φ23
400VTM1800-34	550	320	230	600	70	440h6	500	550	16-Φ25
400VTM2100-35	550	320	230	600	70	440h6	500	550	16-Φ25
* 500VTM2100-13	670	320	350	450	50	520h6	620	670	20-Φ25
500VTM2400-17	750	320	400	475	60	550h6	600	650	20-Φ25
* 600VTM2600-10	745	320	295	530	60	630h6	695	745	20-Φ30
600VTM3600-32	740	320	480	620	80	630h6	725	780	20-Φ30
600VTM2800-27	710	320	300	735	70	630h6	725	780	20-Φ30
* 600VTM3800-19	760	320	330	640	70	630h6	725	780	20-Φ30
700VTM4500-25	875	320	570	730	90	730h6	840	895	24-Φ30
700VTM4600-44	1075	320	350	925	110	730h6	840	895	24-Φ30
700VTM4800-56	1295	320	405	890	120	730h6	840	895	24-Φ30
800VTM5000-12	980	320	410	735	80	830h6	950	1010	24-Φ34
800VTM6000-51	1165	320	380	1000	120	830h6	950	1010	24-Φ34
800VTM6000-30	965	320	625	810	100	830h6	950	1010	24-Φ34
800VTM6200-18	990	320	430	835	90	830h6	950	1010	24-Φ34
900VTM7200-11	1160	320	490	890	90	930h6	1050	1110	28-Φ34
900VTM8000-28	1135	320	960	740	120	930h6	1050	1110	28-Φ34
900VTM8300-17	1165	320	515	990	100	930h6	1050	1110	28-Φ34
900VTM8000-18	1385	320	450	1190	140	930h6	1050	1110	28-Φ34
1000VTM10500-26	1325	320	665	1110	130	1030h6	1160	1220	28-Φ34
1000VTM10500-45	1610	320	525	1390	160	1030h6	1160	1220	28-Φ34
1000VTM12000-19	1500	320	985	1265	130	1230h6	1380	1450	32-Φ41
1000VTM12000-33	1830	320	600	1590	160	1230h6	1380	1450	32-Φ41
1200VTM12800-12	1560	320	700	1330	120	1230h6	1380	1450	32-Φ41
1200VTM16000-33	1500	320	985	1285	160	1230h6	1380	1450	32-Φ41
1200VTM17000-21	1560	320	700	1330	140	1230h6	1380	1450	32-Φ41
1400VTM20000-16	1800	320	805	1545	160	1430h6	1590	1675	36-Φ48
1400VTM18000-25	1720	320	1130	1450	170	1430h6	1590	1675	36-Φ48
1400VTM15600-10	1700	320	750	1340	120	1430h6	1590	1675	36-Φ48

* marks the pump using semi-open impeller.

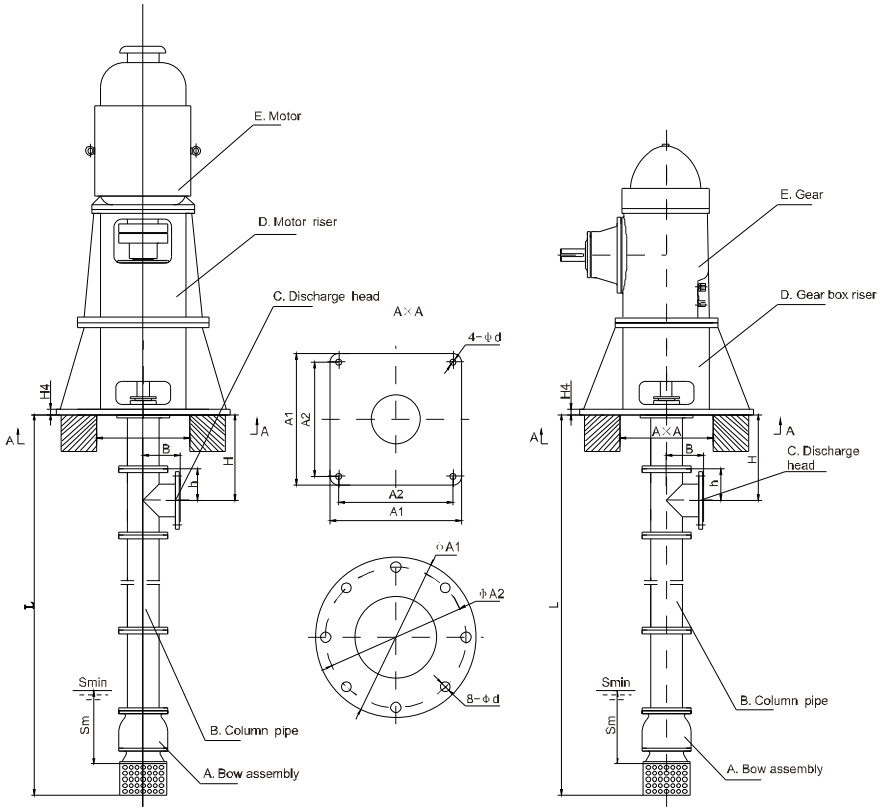
VTM, VTG Pump Dimensions
(Above Ground Discharge)



Model	ϕA1	ϕA2	A1	A2	n-ϕd	H1	H4	B	Sm	ϕA
250VTM	/	/	780	720	4-ϕ30	265	30	450	700	500
300VTM	/	/	880	820	4-ϕ30	320	35	500	900	600
300VTM	/	/	930	870	4-ϕ30	370	35	550	1400	650
400VTM	/	/	1030	960	4-ϕ30	420	40	600	1800	800
500VTM	1400	1300	/	/	8-ϕ40	520	40	700	1800	900
600VTM	1500	1400	/	/	8-ϕ40	620	45	850	2000	1000
700VTM	1600	1500	/	/	12-ϕ40	700	50	950	2200	1100
800VTM	1700	1600	/	/	16-ϕ40	800	50	1000	2400	1200
900VTM	1800	1700	/	/	16-ϕ40	900	60	1050	2400	1300
1000VTM	1900	1800	/	/	16-ϕ45	1000	60	1100	2600	1400
1200VTM	2000	1900	/	/	16-ϕ50	1200	65	1150	2800	1500
1400VTM	2300	2200	/	/	16-ϕ50	1400	70	1450	3000	1700

1.Discharge Flanges drilled to ISO.DIN.BS or ANSI.
2.The final installation size will be subject to the final overall dimension of CNP.
3.500 outlet diameter and below can directly use the table size, over 600 will be cancelled the strainer.
4.We recommend below ground discharge when the outlet diameter is more than 1200

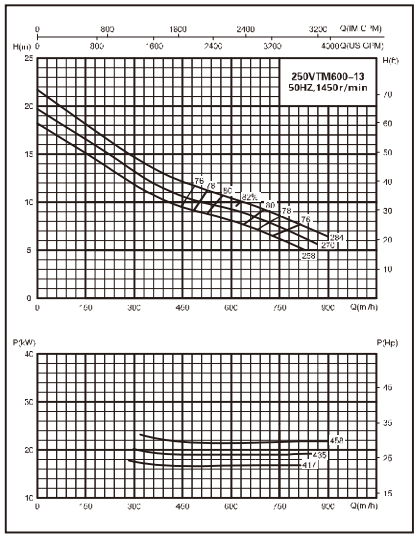
VTM, VTG Pump Dimensions
(Below Ground Discharge)

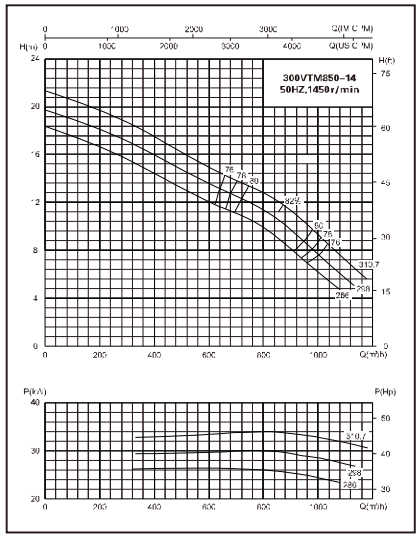


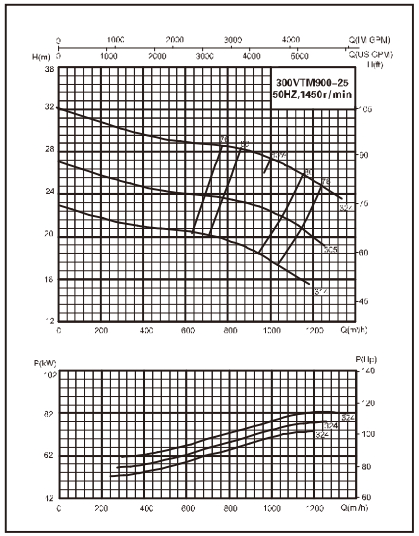
Model	ϕA1	ϕA2	A1	A2	ϕd	H	B	Sm	A×A
250VTM			780	720	30	200	280	450	550×550
300VTM			880	820	30	230	330	500	650×650
350VTM			930	870	30	260	380	600	700×700
400VTM			1030	960	30	290	430	700	750×750
500VTM			1230	1160	33	350	540	900	1000×1000
600VTM			1380	1310	33	420	640	1000	1000×1000
700VTM	1500	1400			36	700	800	1200	1800×1800
800VTM	1650	1550			36	800	900	1400	200×2000
900VTM	1800	1700			36	900	1000	1600	2200×2200
1000VTM	1950	1850			42	1000	1100	1800	2400×2400
1200VTM	2250	2150			42	1200	1200	2200	2600×2600
1400VTM	2550	2450			42	1400	1400	2600	3000×3000

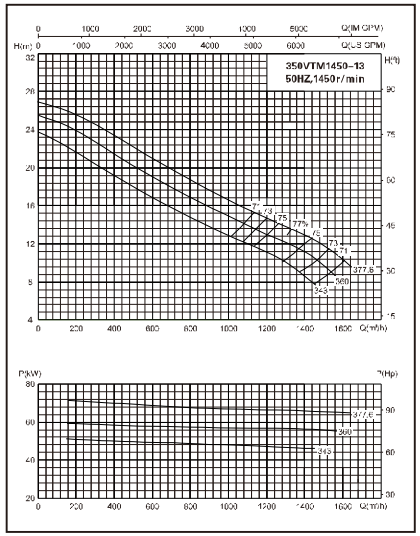
According to customer requirement: Discharge flanges drilled to ISODIN. BS or ANSI stanard.

VTM, VTG Pump Curves

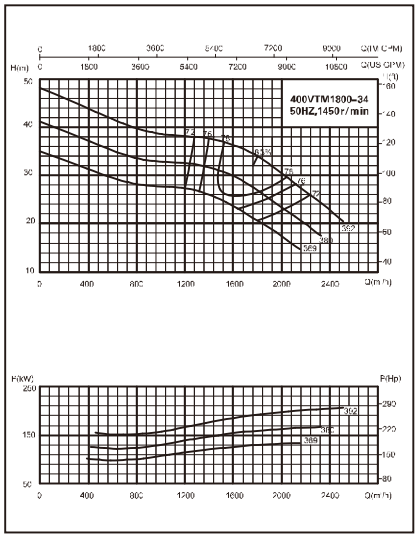


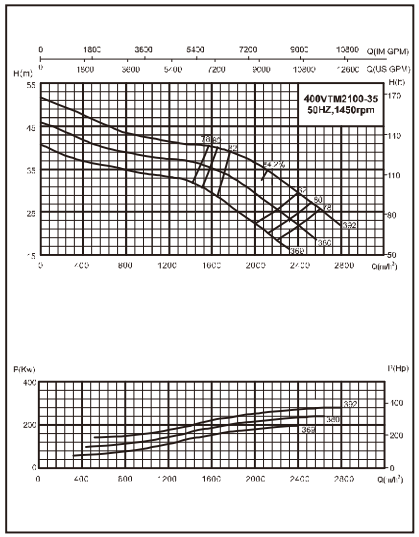


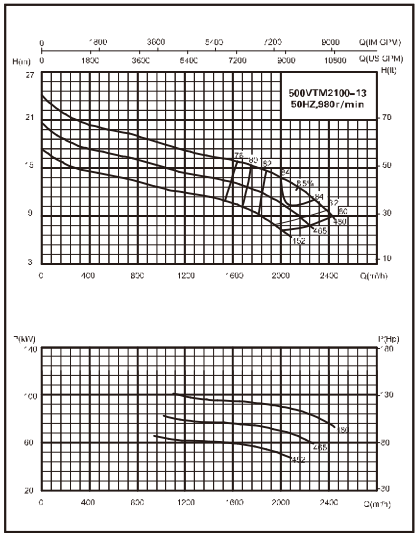


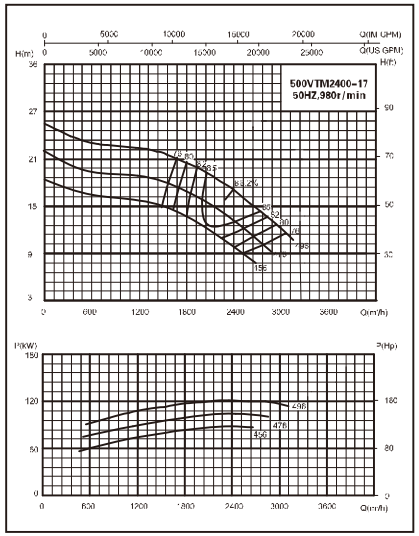


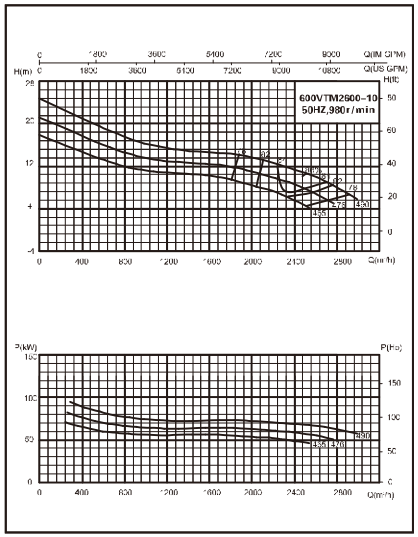
VTM, VTG Pump Curves

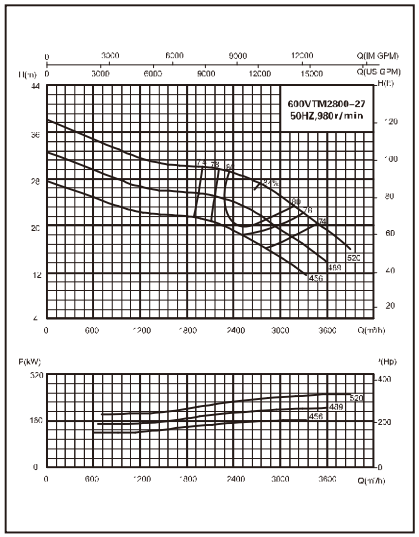


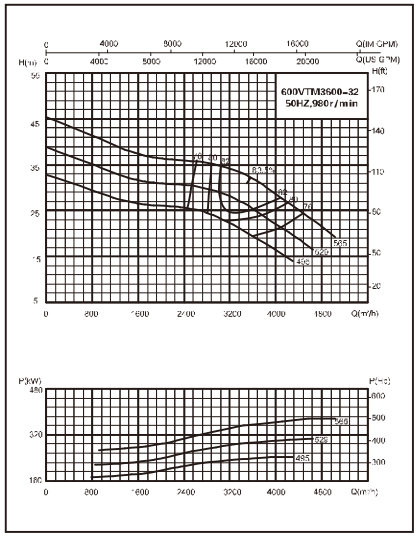


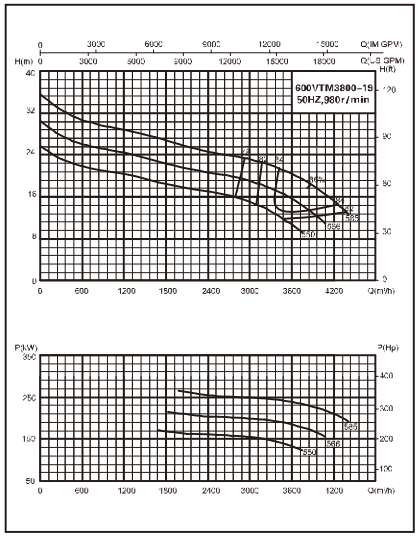


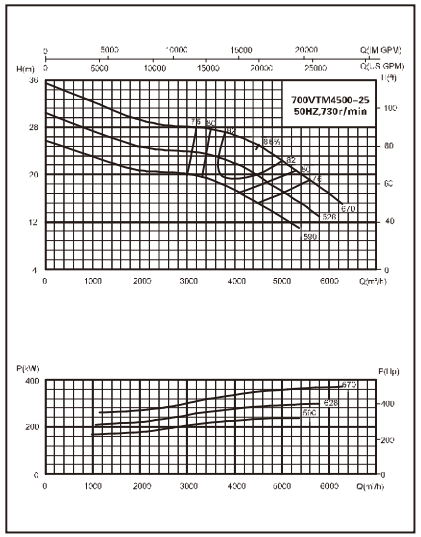


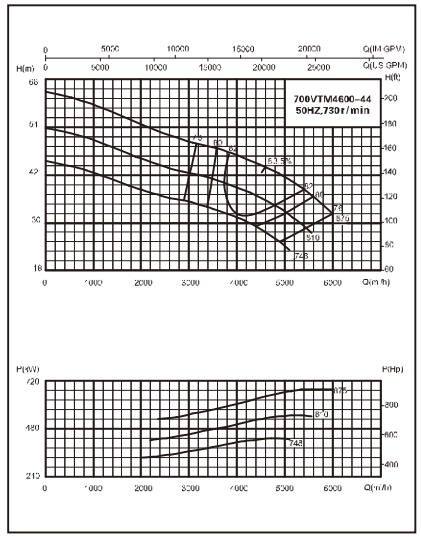

600VTM2600-10
50HZ,980r/min

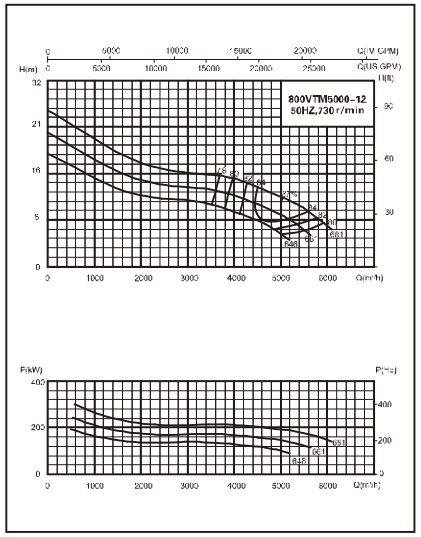

600VTM2800-27
50HZ,980r/min

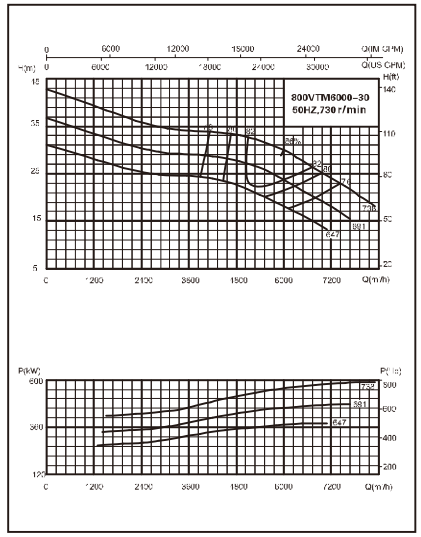

600VTM3600-32
50HZ,980r/min

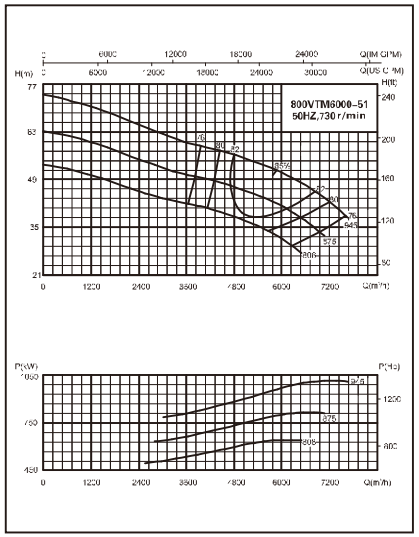

600VTM3800-19
50HZ,980r/min

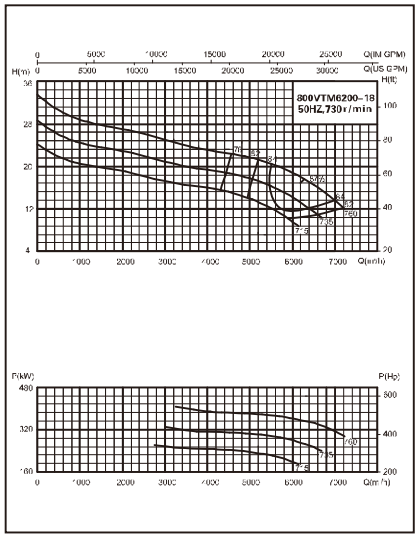

700VTM4500-25
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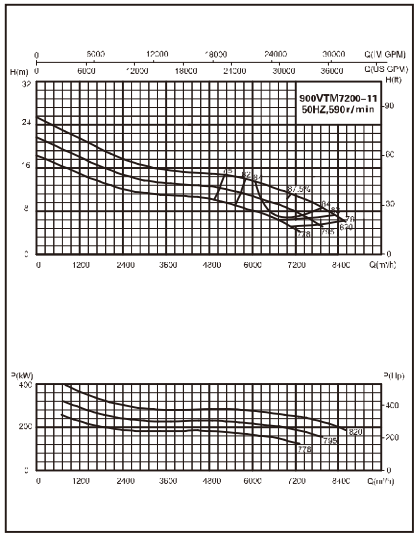

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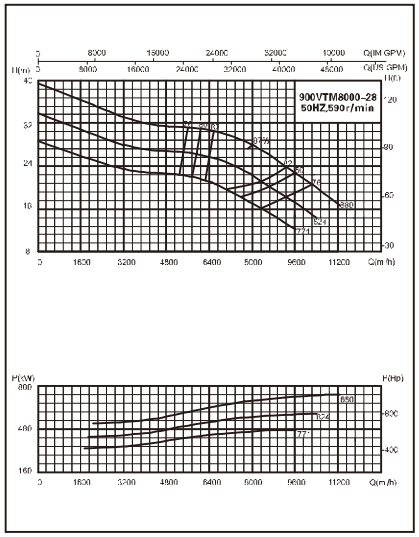

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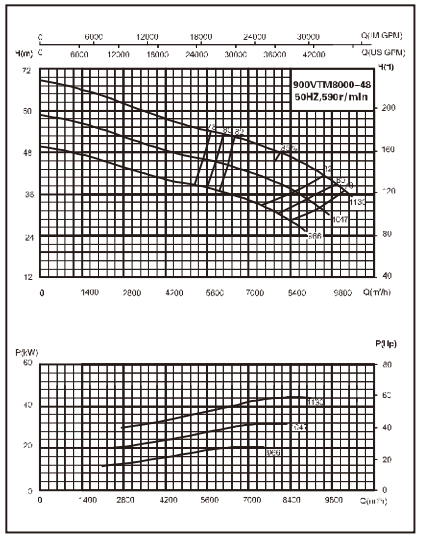

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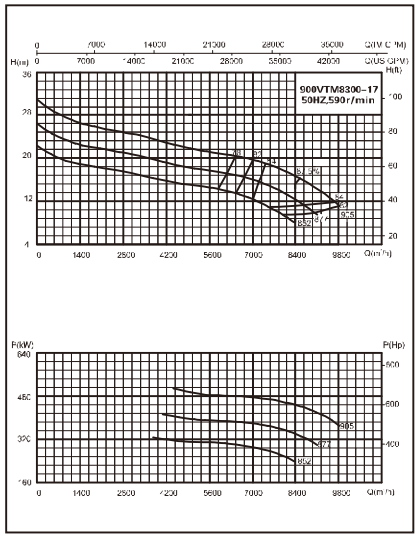

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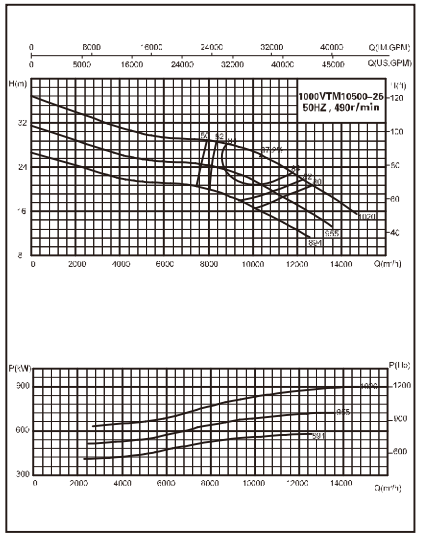

800VTM6200-18
50HZ,730r/min

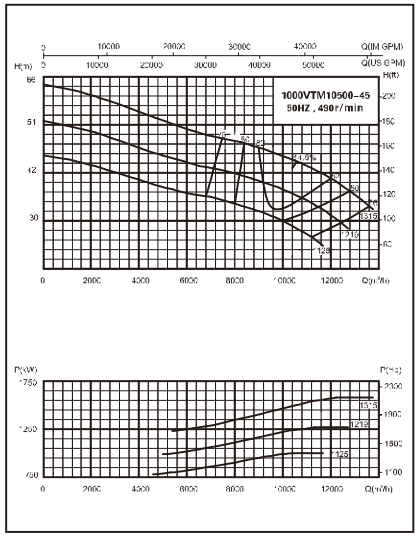

900VTM7200-11
50HZ,590r/min


900VTM8000-28
50HZ,590r/min

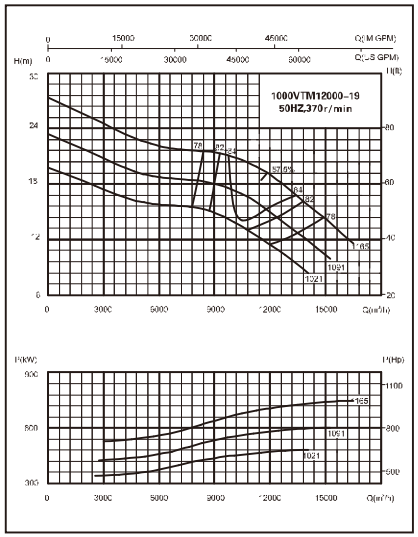

900VTM8000-48
50HZ,590r/min

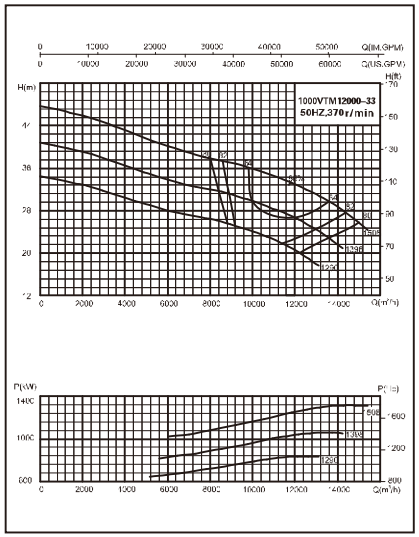

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50HZ,590r/min

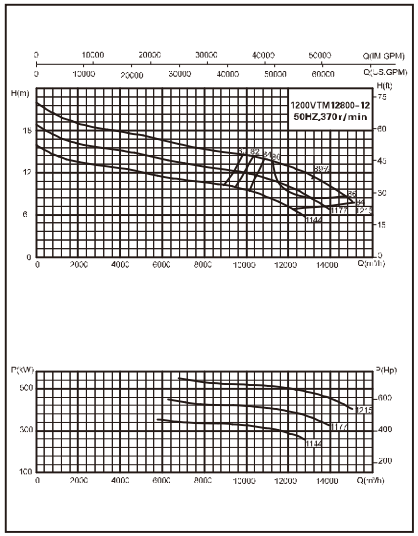

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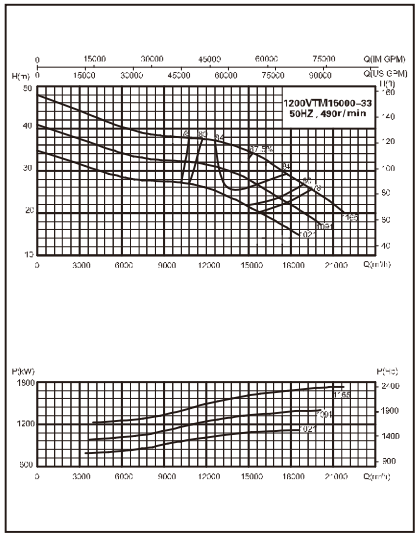

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50HZ , 490r/min

VTM, VTG Pump Curves

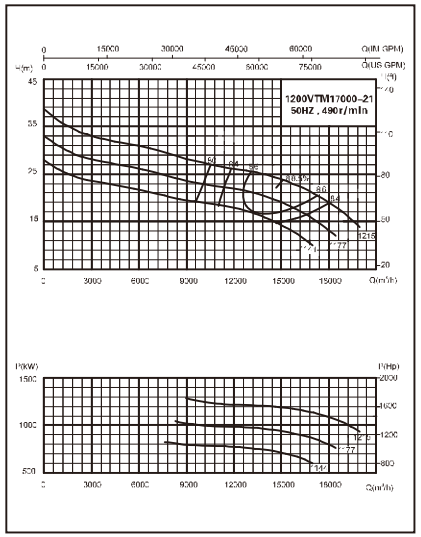


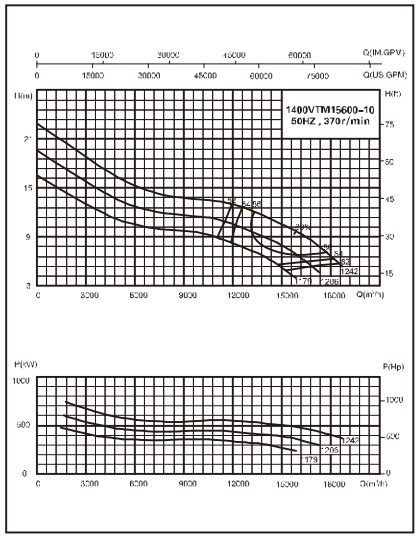


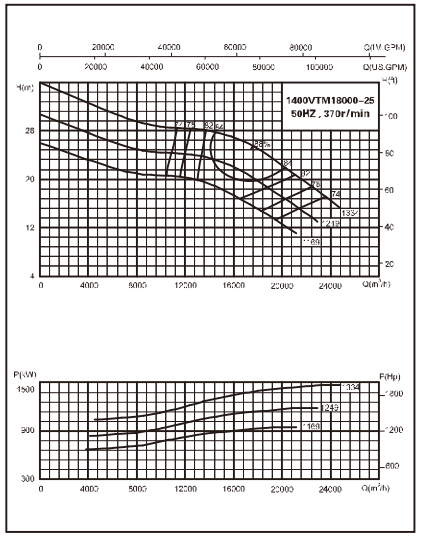


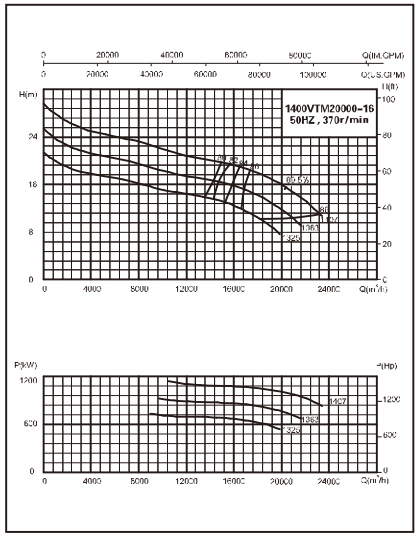


VTM, VTG Pump Curves









VTA, VTG Vertical Turbine Pumps

Specification range

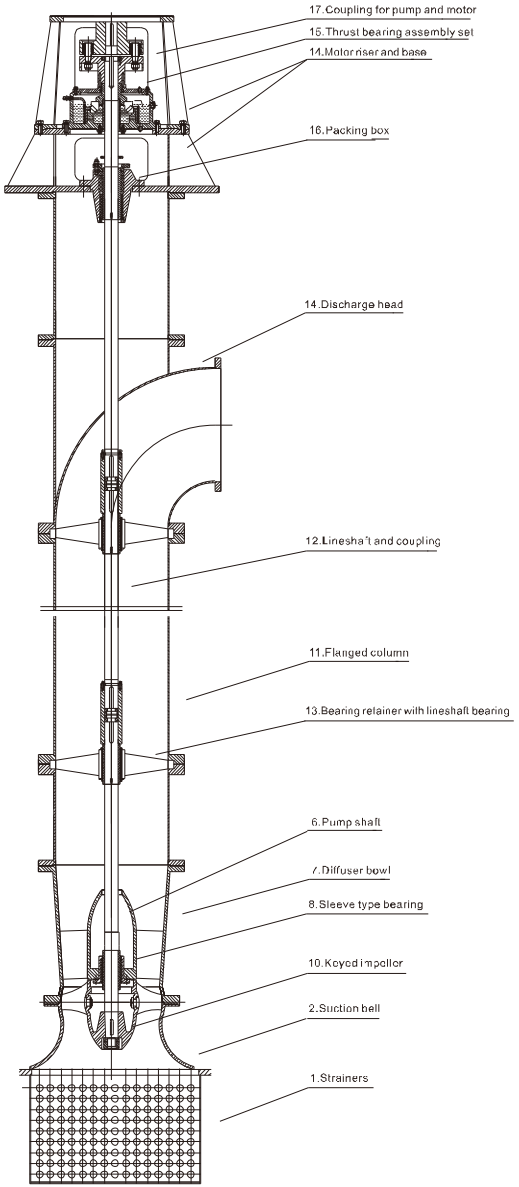
- Capacities to 50000 m^3/h (220000GPM)
- Heads to 15 m (50ft)

Design Advantages

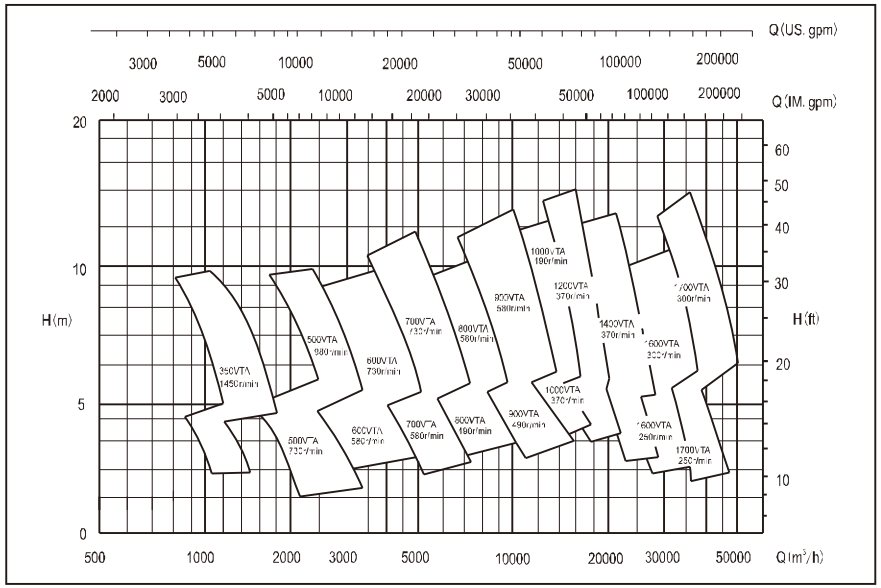
1. Fabricated discharge head for all sizes.
2. Seamless flanged ends column pipe and flanges bowl construction incorporating registered fits for ease of assembly during assembly.
3. Alloy construction with external tube flush of critical wear areas available for abrasive services.
4. High efficiency design. Broad hydraulic coverage provides best selection to meet specific operating conditions.
5. 416SS shafting. Keyed lineshaft coupling available in all size for ease of maintenance. The lineshaft can be protected by water flushing the enclosing tube bearing on corrosive/abrasive services.
6. Various bearing material available.
7. Wide range of corrosion and erosion resistant materials.
8. Flexible design to accommodate fixed or existing dimensions.

Services

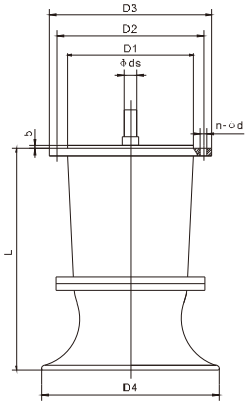
Pollution Control
Medium and Low Head Circulation
Effluent Disposal
Flood Control
Dewatering
River Water Intake
Cooling Water
Irrigation and Drainage
Dry Docks



Selection Charts of VTA pumps

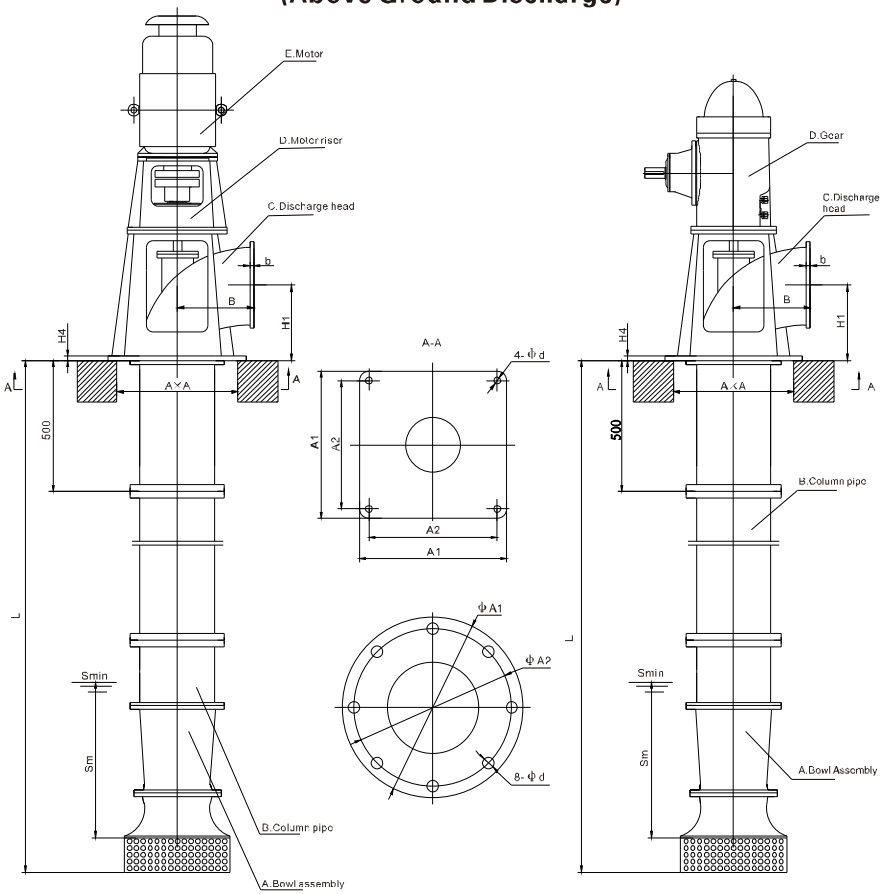


VTA Pump Bowl Assembly Dimensions



Model	Impeller Dia	D1	D2	D3	D4	L	Φds	b	n-Φd
350VTA	300	370h6-h7	415	450	516	590	40	5	8-Φ18
500VTA	450	520h6-h7	600	650	700	900	60	5	12-Φ23
600VTA	550	620h6-h7	700	760	850	950	75	6	16-Φ23
700VTA	650	720h6-h7	810	865	1000	1000	90	7	20-Φ25
800VTA	750	820h6-h7	910	970	1120	1100	100	8	24-Φ25
900VTA	850	920h6-h7	1020	1080	1280	1150	110	8	24-Φ30
1000VTA	950	1020h6-h7	1120	1180	1400	1200	120	10	28-Φ30
1200VTA	1100	1270h6-h7	1380	1450	1600	1300	140	10	32-Φ30
1400VTA	1300	1420h6-h7	1530	1600	1750	1400	160	10	36-Φ30
1600VTA	1500	1620h6-h7	1630	1700	1900	1500	180	10	40-Φ30
1700VTA	1600	1720h6-h7	1830	1900	2150	1600	190	10	40-Φ30

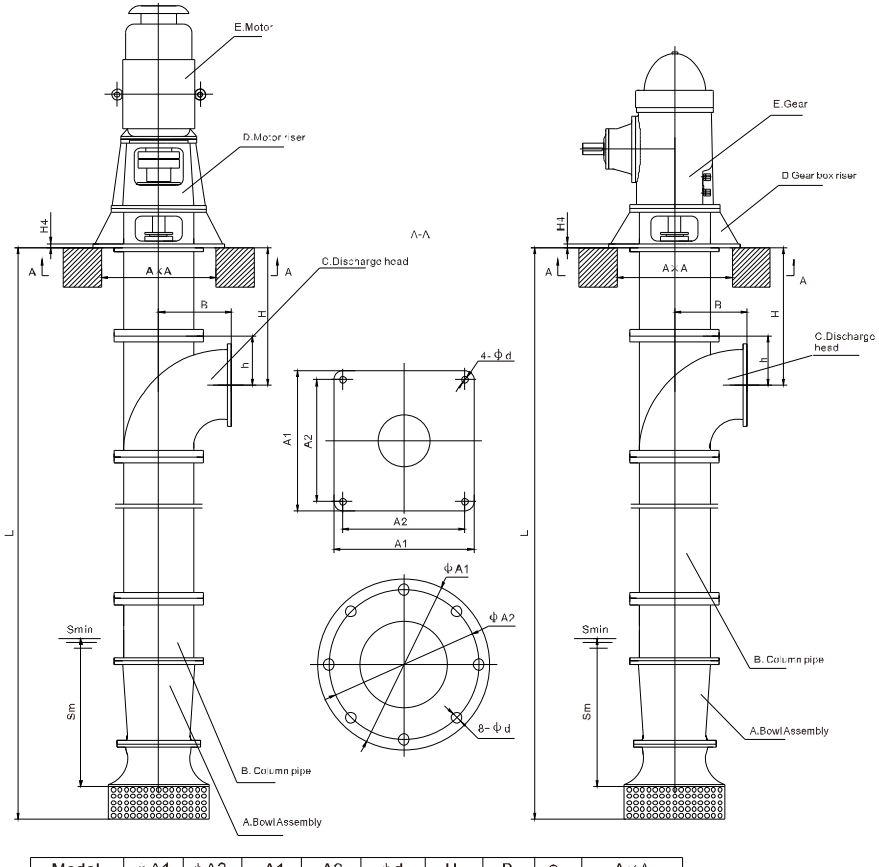
VTA, VTG Pump Dimensions
(Above Ground Discharge)



Model	ΦA1	ΦA2	A1	A2	Φd	H1	H4	B	Sm	ΦA
350VTA			930	870	30	370	35	550	600	550
500VTA			1230	1160	33	520	40	700	900	750
600VTA	1800	1700			36	600	45	750	1000	850
700VTA	1500	1400			36	700	50	850	1200	950
800VTA	1800	1700			36	800	55	1050	1400	1100
900VTA	1800	1700			36	900	60	1050	1600	1200
1000VTA	1950	1850			42	1000	60	1150	1800	1300
1200VTA	2250	2150			42	1200	60	1250	2200	1600
1400VTA	2550	2450			42	1400	60	1450	2600	1800
1600VTA	3150	3050			46	1600	60	1750	2800	2000
1700VTA	3200	3100			46	1700	60	1750	3000	2200

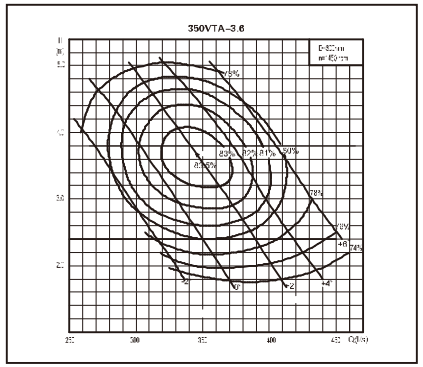
According to customer requirement: Discharge flanges drilled to ISODIN. BS or ANSI stanard.

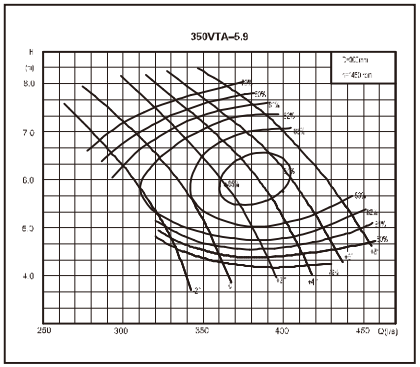
VTA, VTG Pump Dimensions
(Below Ground Discharge)

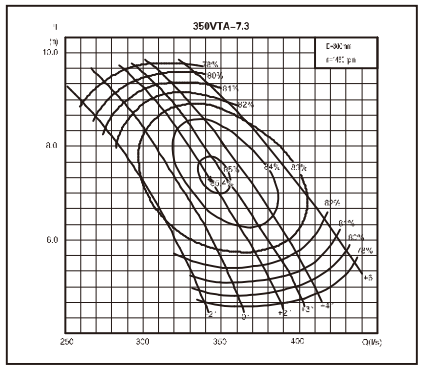


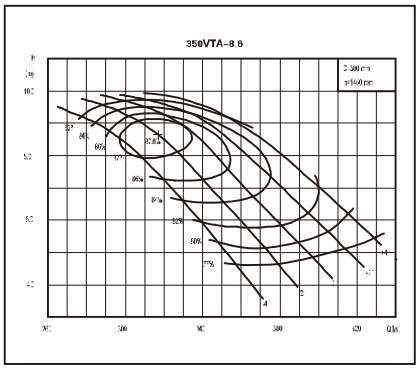
Model	ΦA1	ΦA2	A1	A2	Φd	H	B	Sm	A×A
350VTA			930	870	30	370	550	600	700×700
500VTA			1230	1160	33	520	700	900	1000×1000
600VTA	1800	1700			36	600	750	1000	1300×1300
700VTA	1500	1400			36	700	850	1200	1800×1800
800VTA	1800	1700			36	800	1050	1400	2000×2000
900VTA	1800	1700			36	900	1050	1600	2200×2200
1000VTA	1950	1850			42	1000	1150	1800	2400×2400
1200VTA	2250	2150			42	1200	1250	2200	2600×2600
1400VTA	2550	2450			42	1400	1450	2600	3000×3000
1600VTA	3150	3050			46	1600	1750	2800	3200×3200
1700VTA	3200	3100			46	1700	1750	3000	3500×3500

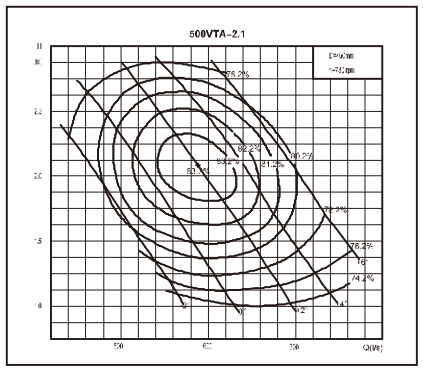
According to customer requirement: Discharge flanges drilled to ISODIN. BS or ANSI stanard.

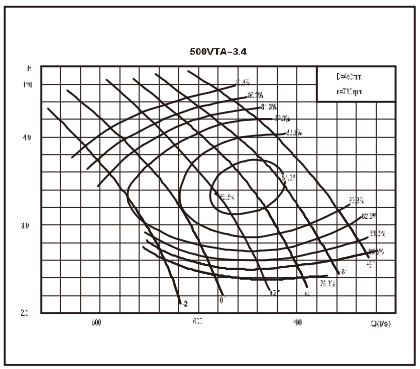

350VTA-3.6

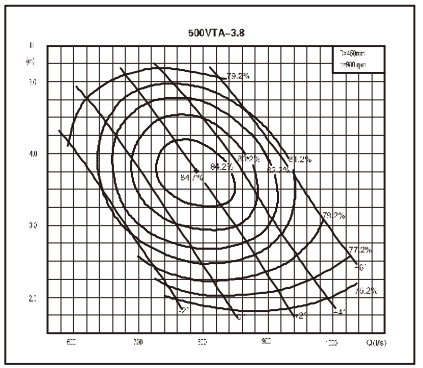

350VTA-5.9

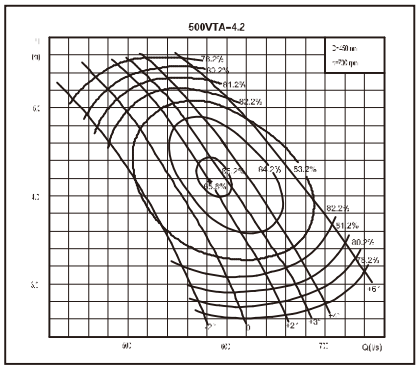

350VTA-7.3

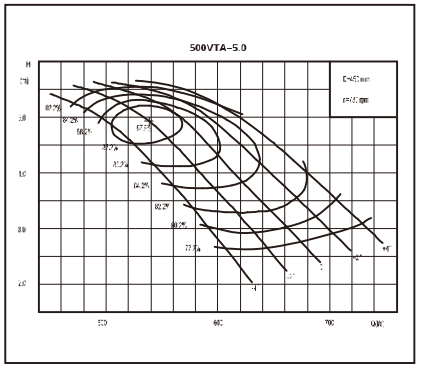

350VTA-8.6

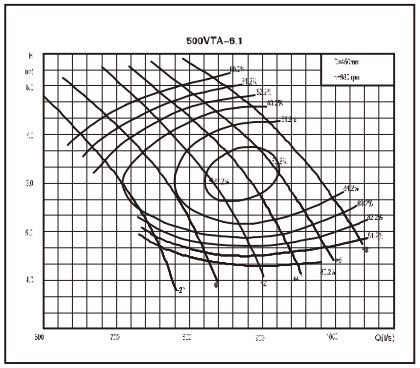

500VTA-2.1

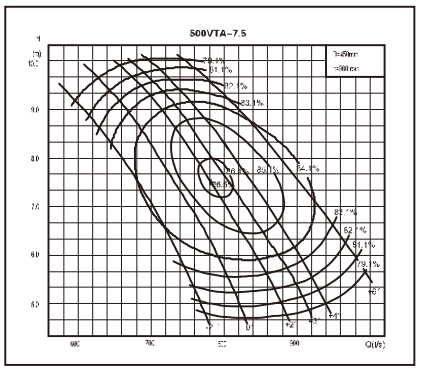

500VTA-3.4

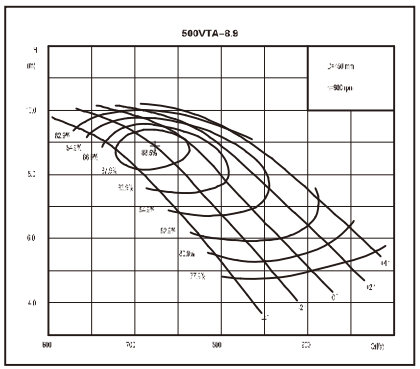

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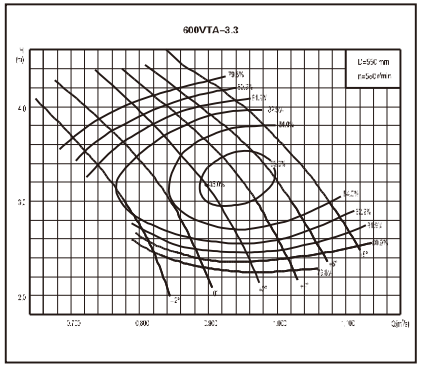

500VTA-4.2

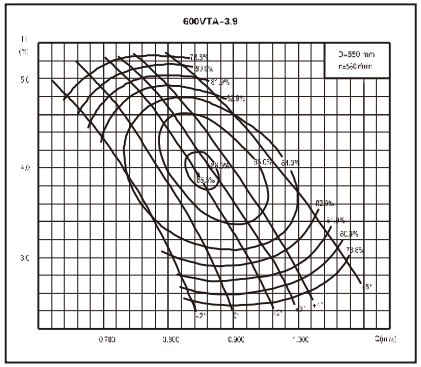

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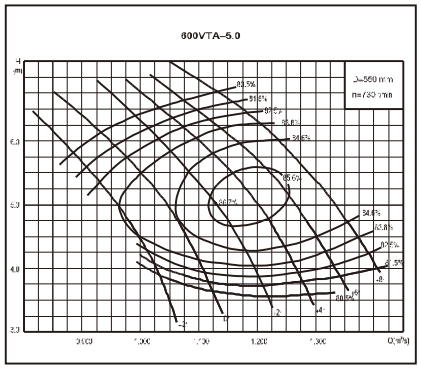

500VTA-6.1

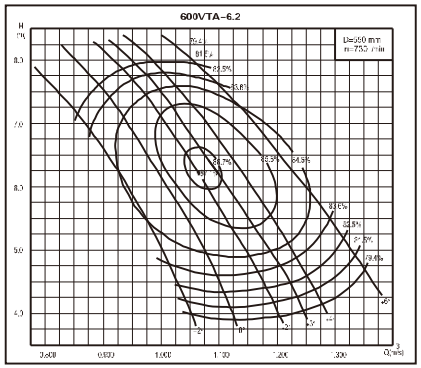

500VTA-7.5

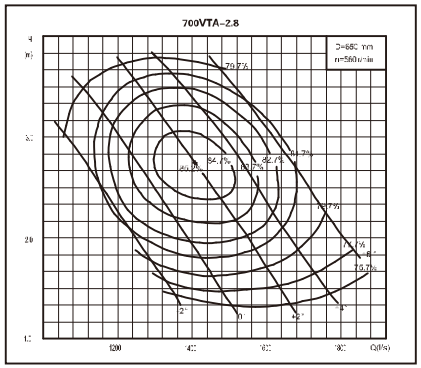

500VTA-8.9

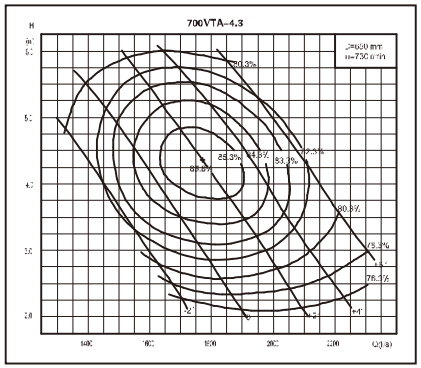

600VTA-3.3

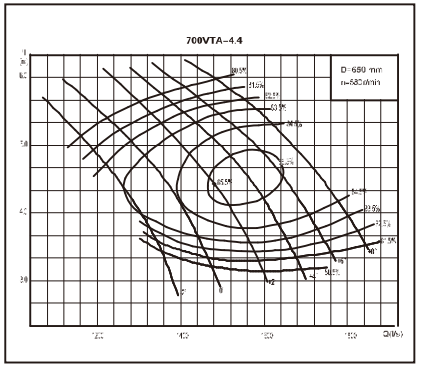

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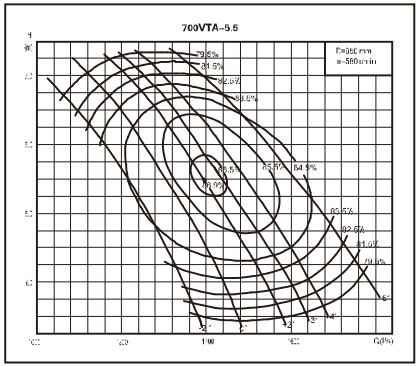

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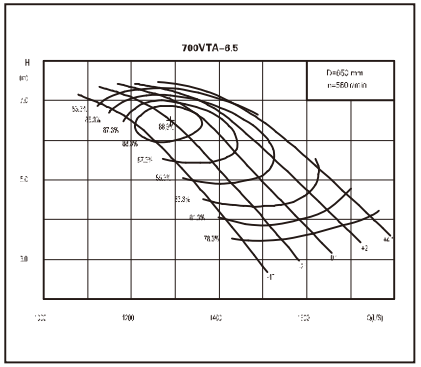

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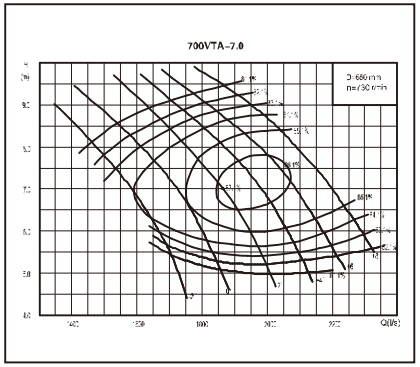

700VTA-2.8

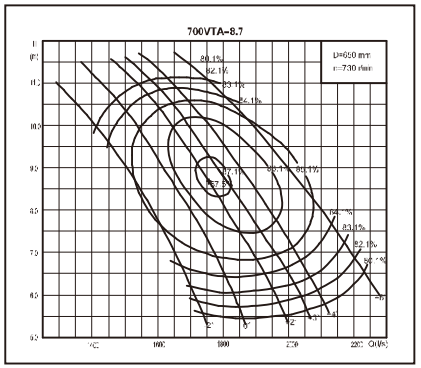

700VTA-4.3

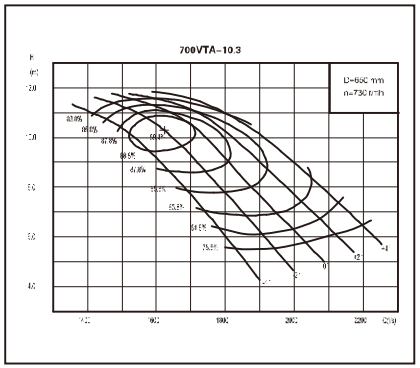

700VTA-4.4

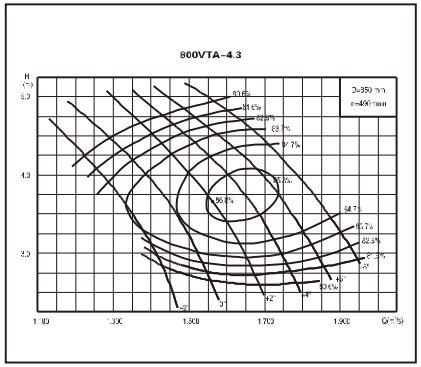

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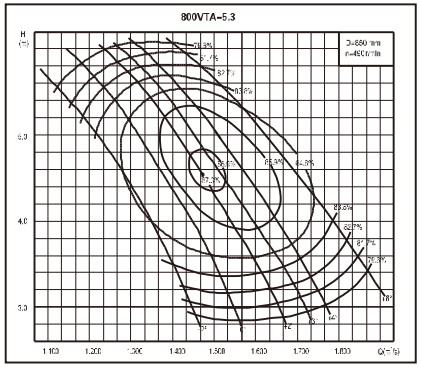

700VTA-8.5

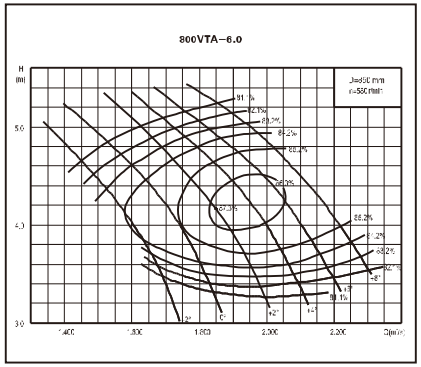

700VTA-7.0

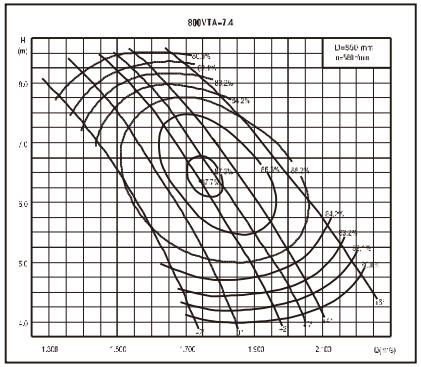

700VTA-8.7

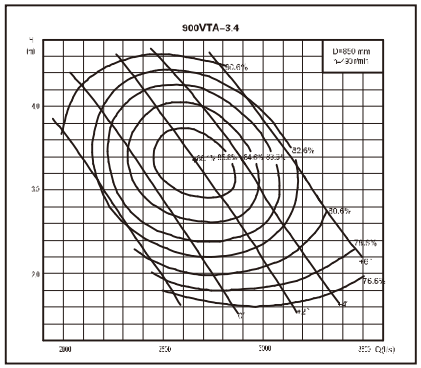

700VTA-10.3

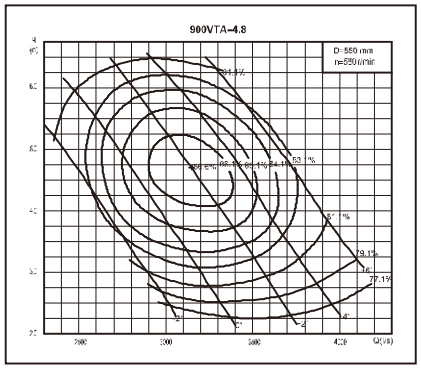

800VTA-4.3
D=850 mm
n=490 r/min

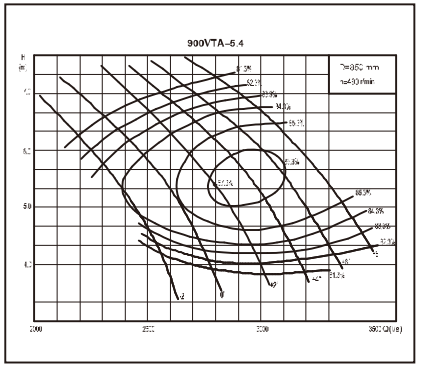

800VTA-5.3
D=850 mm
n=490 r/min

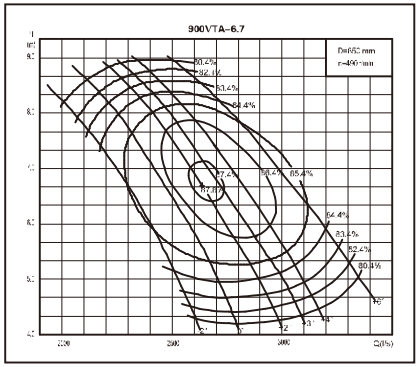

800VTA-6.0
D=850 mm
n=590 r/min

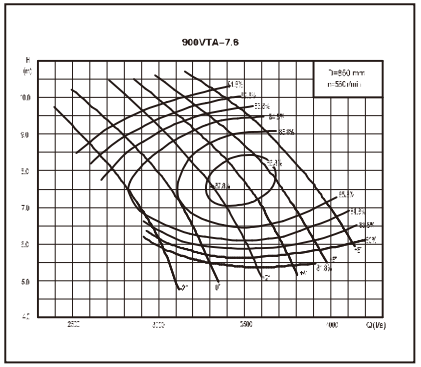

800VTA-7.4
D=850 mm
n=590 r/min

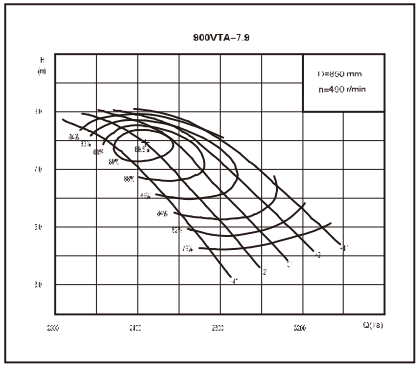

900VTA-3.4
D=950 mm
n=490 r/min

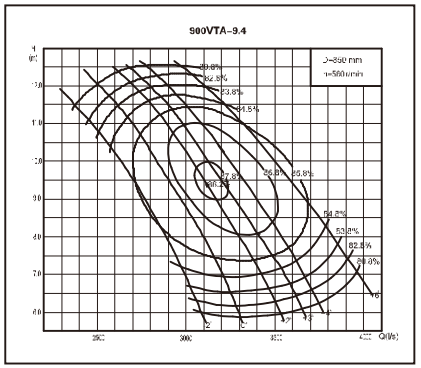

900VTA-4.8
D=950 mm
n=590 r/min

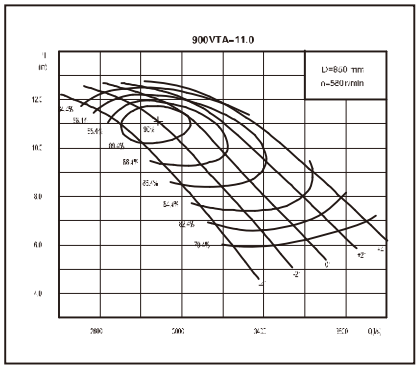

900VTA-5.4
D=950 mm
n=490 r/min

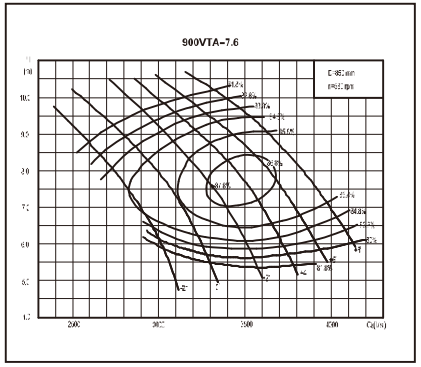

900VTA-6.7
D=950 mm
n=490 r/min

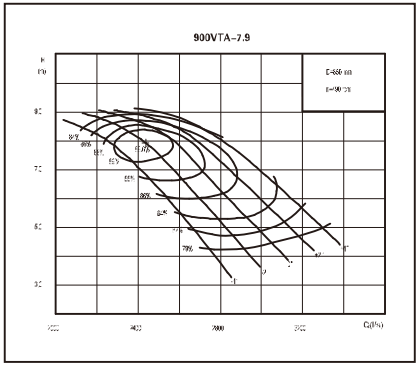

900VTA-7.6
D=950 mm
n=590 r/min

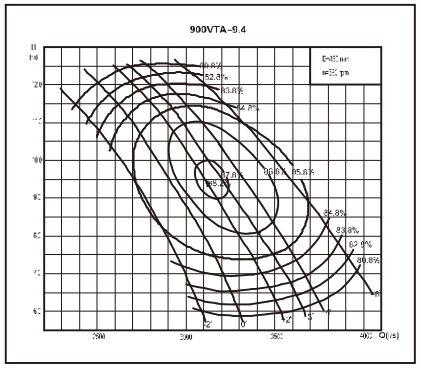

900VTA-7.8
D=950 mm
n=490 r/min

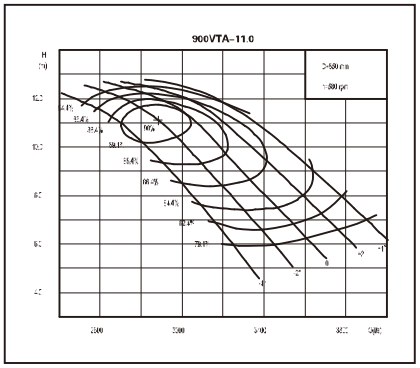

900VTA-9.4
D=950 mm
n=590 r/min

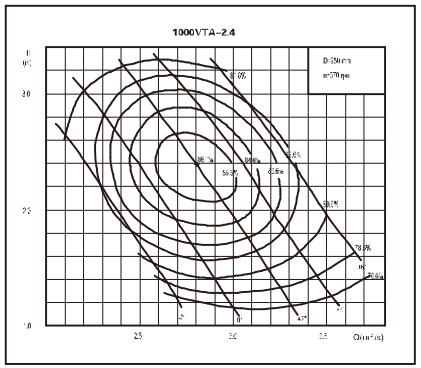

900VTA-11.0
D=950 mm
n=590 r/min

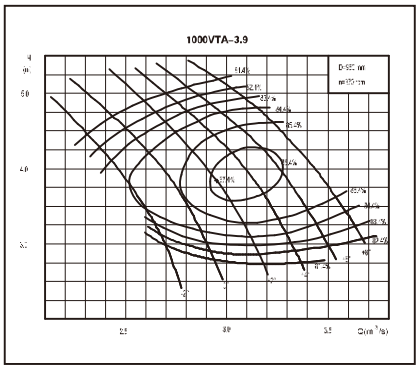

900VTA-7.6

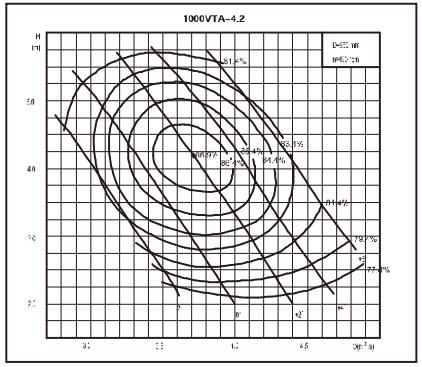

900VTA-7.9

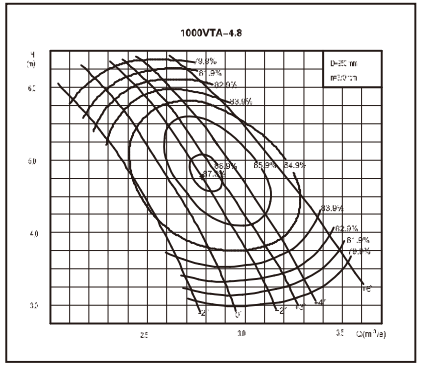

900VTA-9.4

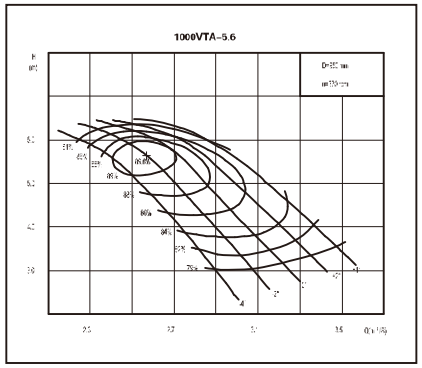

900VTA-11.0

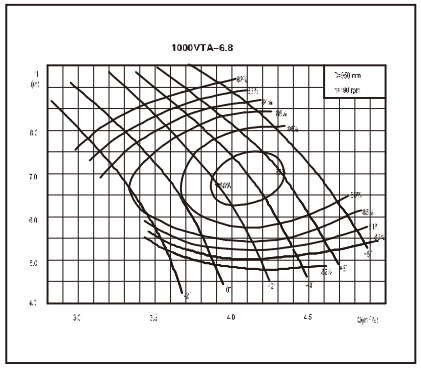

1000VTA-2.4

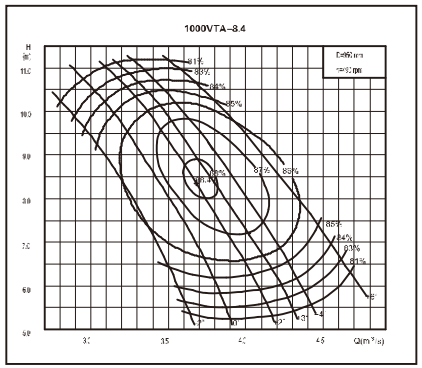

1000VTA-3.9

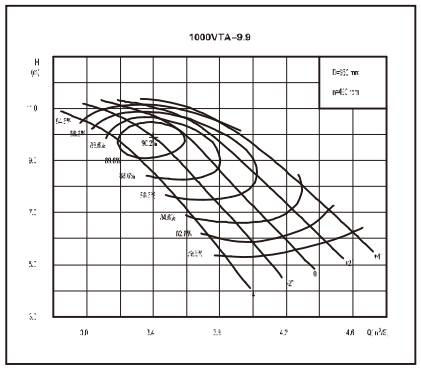

1000VTA-4.2

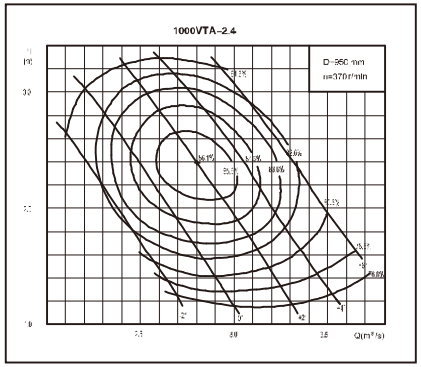

1000VTA-4.8

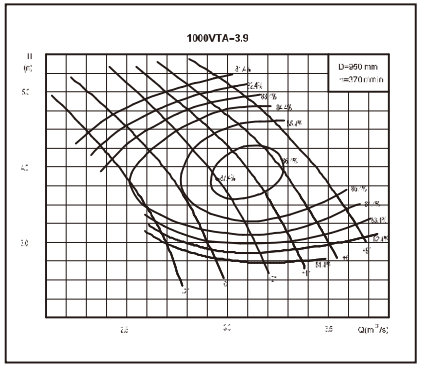

1000VTA-5.6

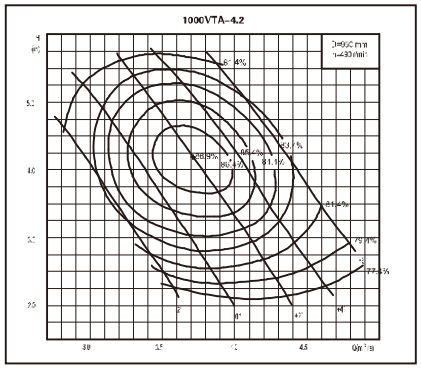

1000VTA-6.8

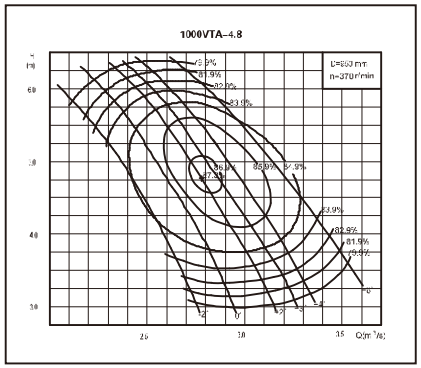

1000VTA-8.4

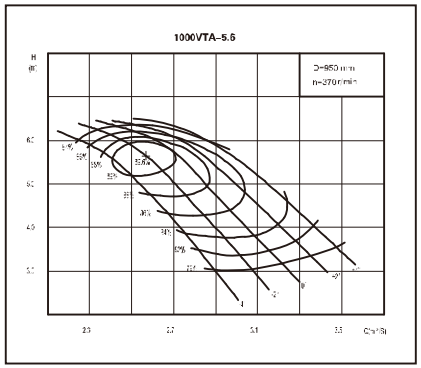

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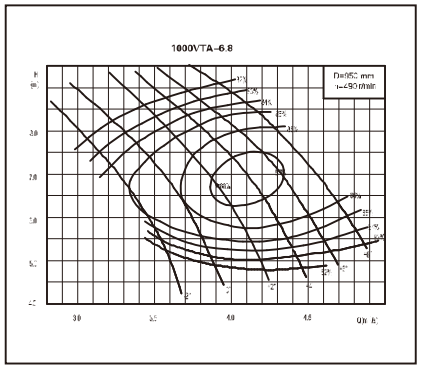

1000VTA-2.4
D=960 mm
n=370r/min

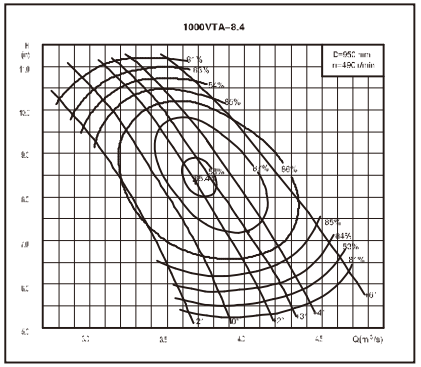

1000VTA-3.9
D=960 mm
n=370r/min

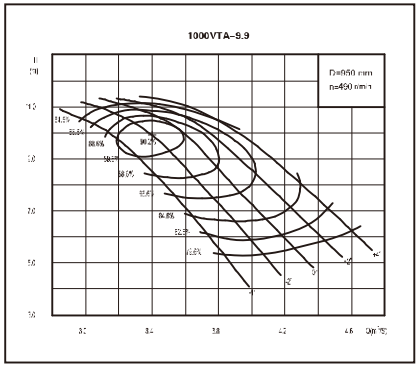

1000VTA-4.2

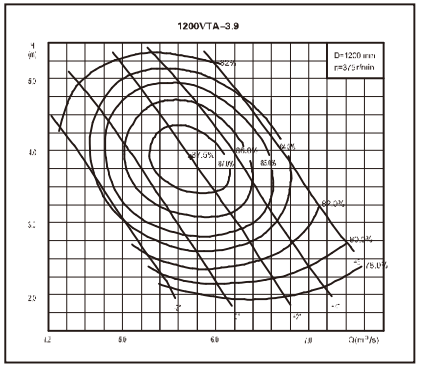

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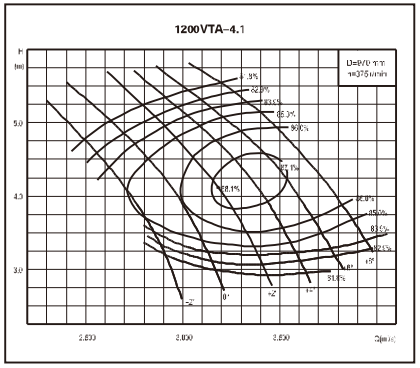

1000VTA-5.6
D=960 mm
n=370r/min

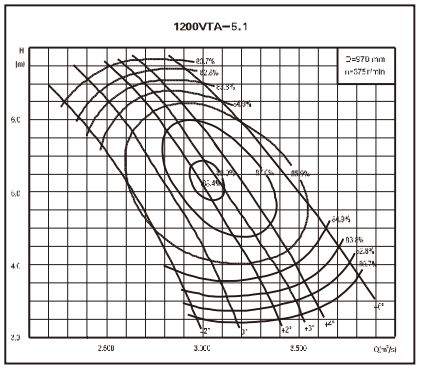

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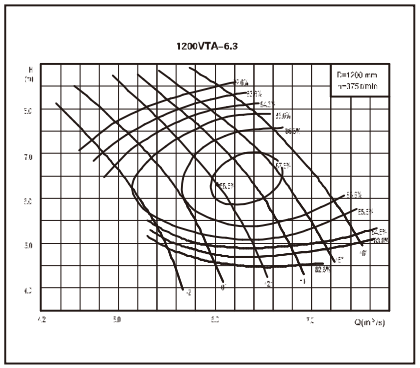

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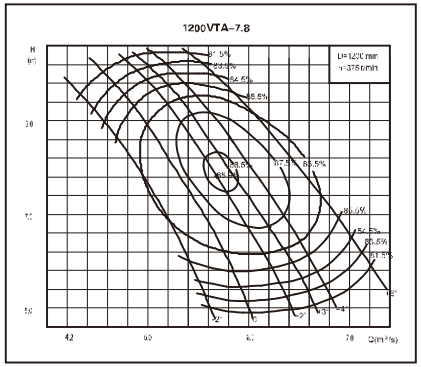

1000VTA-9.9
D=960 mm
n=490 r/min

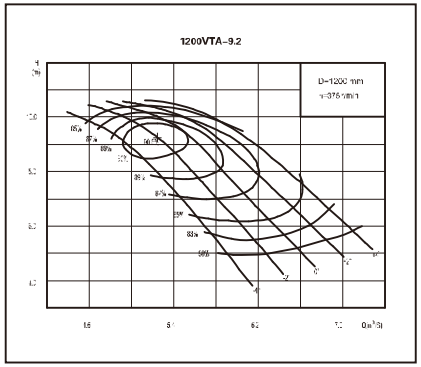

1200VTA-3.9

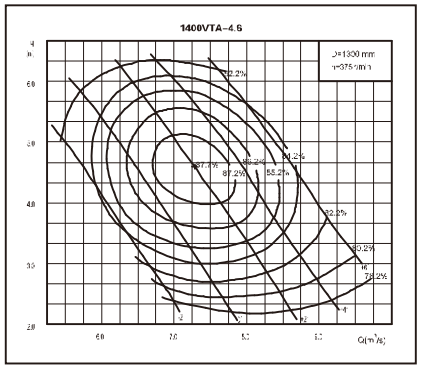

1200VTA-4.1

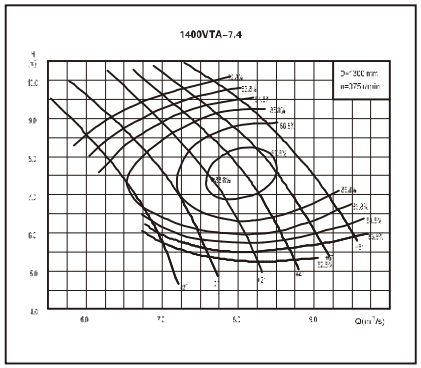

1200VTA-5.1

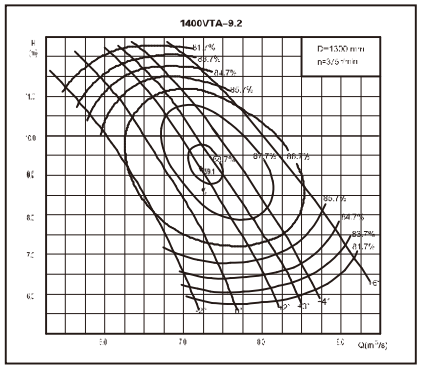

1200VTA-6.3

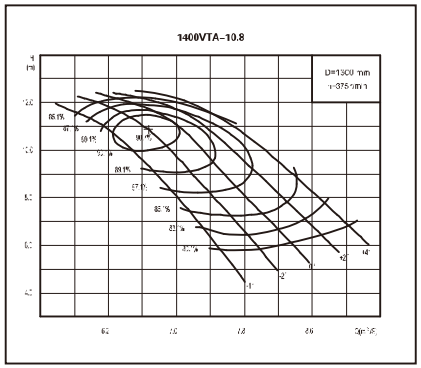

1200VTA-7.8
D=1200 mm
n=375r/min

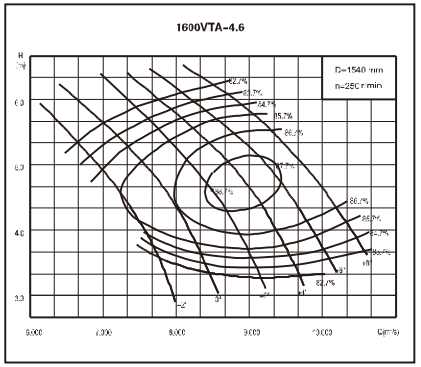

1200VTA-9.2
D=1200 mm
n=375r/min

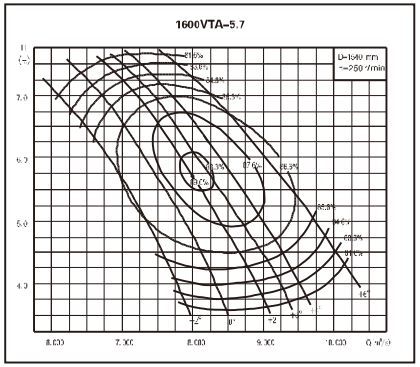

1400VTA-4.6
D=1300 mm
n=375r/min

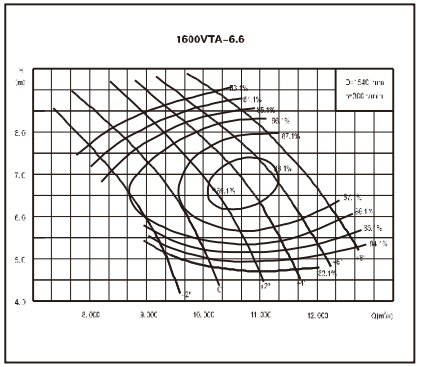

1400VTA-7.4

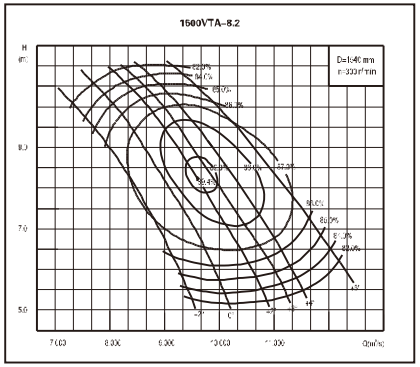

1400VTA-9.2

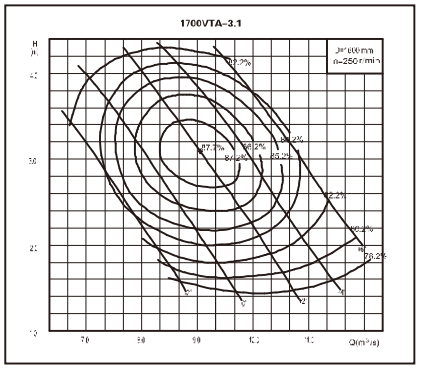

1400VTA-10.8
D=1300 mm
n=375r/min

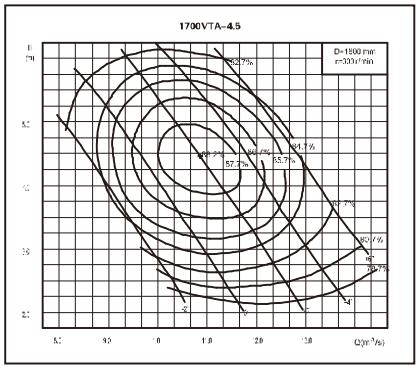

1600VTA-4.6
D=1540 mm
n=250 r/min


1600VTA-5.7

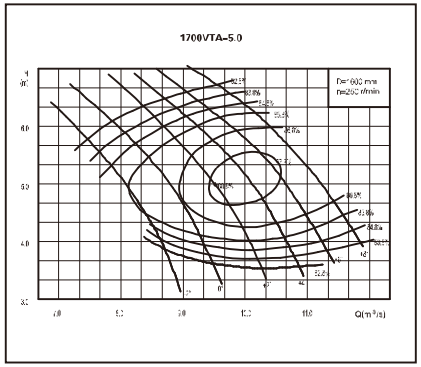

1600VTA-6.6

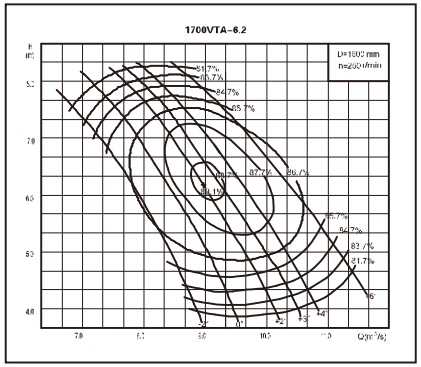

1600VTA-8.2

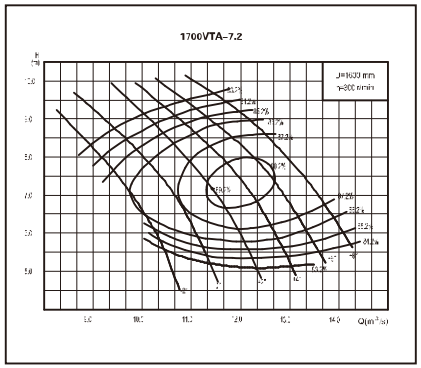

1700VTA-3.1

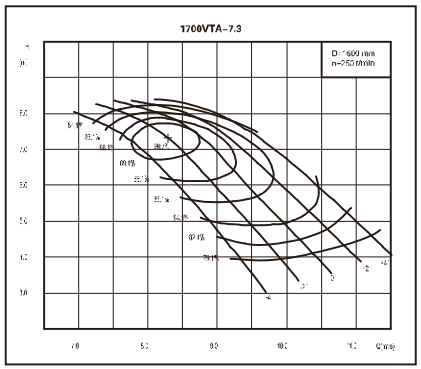

1700VTA-4.5

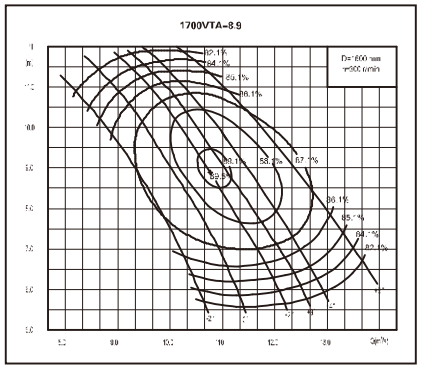
VTA,VTG Pump Curves

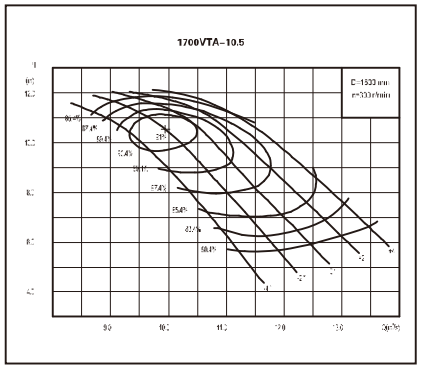








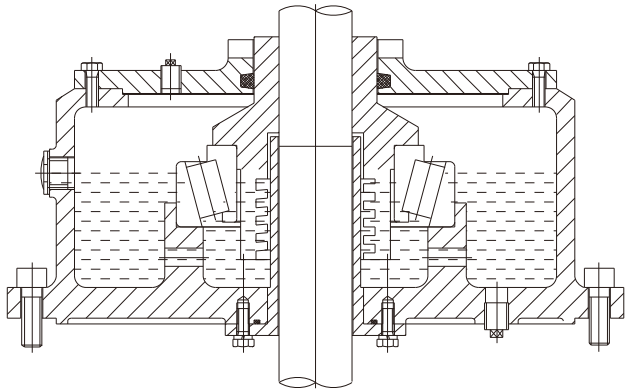




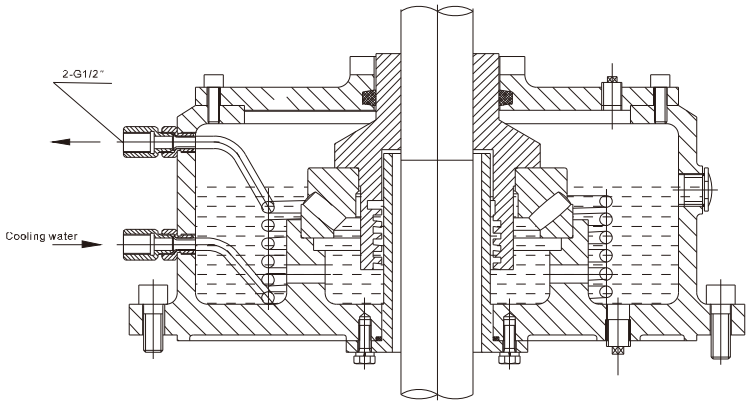
Oil Lubricated Thrust Bearing Assembling Sets

When the VTP designed driven by VSS motor, the pump' s thrust will be loaded by the thrust bearing on the top of the pump or loaded by the top thrust bearing of the VSS motor.

CNP can supply two kinds of different thrust bearing assembly sets as following, design for the pumps with lower and higher thrust.



Standard thrust bearing assembly set



Water cooling heavy duty thrust bearing assembly set













CNP

WLT,WLTS 50Hz

Cooling tower pump



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subject to amendments

CNP

Company Profile









Founded in 1991, Nanfang Pump Industry Co., Ltd. (hereinafter referred to as CNP) has been listed on the Shenzhen Stock Exchange on 9th December 2010; Stock name: CNP; Stock code: 300145.

As the first enterprise specializing in the research and large-scale production of stainless steel stamping welded centrifugal pump in China, CNP is currently the professional manufacturer with the highest volume of production and marketing in that industry. It ranks first in the country in terms of product scope, sales volume, and production quality. The company has set up a complete network of marketing services to meet the requirements of overseas markets as well as domestic needs. The products have seen a wide range of application in the area of pressurization, industry, living water, cycling of air-conditioning water, heat supply, fire extinguishing system, pumping of underground water, treatment of sewage and waste water, chemical industry and desalination of sea water etc.

CNP has now entered into the fast track of development and has taken a major step forward in forging China Strong Pump Enterprise and World's famous brand in the Pump Industry. In order to better meet the client's needs and requirements for expansion, it has set up a wide network of selling and service, as well as offices and service centers in major cities in China, which are aimed at providing timely and effective services for our clients. Meanwhile, our company has successfully penetrated into the world market by forging a good business relationship with more than 50 countries and regions in the Europe, Northern American, and Southeast Asia etc.

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Size and weight ---- 8
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Definition of model

WLT S 100 — 5 A / 2.2

- 2.2 — Motor power
- A — Cutting type impeller (ordinary type omit)
- 5 — Rated head
- 100 — Suction and discharge diameter
- S — Extension shaft structure (coaxial structure omit)
- WLT — Cooling tower pump

Structure features

- Non-self-priming, single stage, single suction, horizontal; axial suction and radical discharge.
- Motor is fixed by base , easy to install.
- The back pull pattern structure makes it easy to repair.
- WLT Pump shaft is coaxial extended motor shaft, less occupied area, light weight.WLTS Pump is comected to the extended shaft by direct comection type.
- Impeller and casing adopt excellent hydraulic model, they can be designed according to market demand with high efficiency.
- Key components such as impeller and shaft are made of stainless steel.
- Casted by resin sand, the castings feature smooth and bright surface, nice shape, good quality, dense structure.

Applications

- Water circulation of closed cooling tower and condenser; cooling of various unit equipment; circumstances in which need pump with large flow and low head.
- Clean, thin, non-corrosive, non-flammable or non-explosive liquid without solid grain or fiber which won't attack the pump chemically or mechanically. Liquid with high viscosity or big density will result the decrease of performance curve and the increase of energy consumption.
- Liquid temperature:-15℃~100℃
- Max. ambient temperature: +40℃
- Max. working pressure: 6 bar

Motor

- Totally closed fan cooled motor
- Protection level:IP55
- Insulation level:F
- Standard voltage:50Hz:1×220V
  3×380V

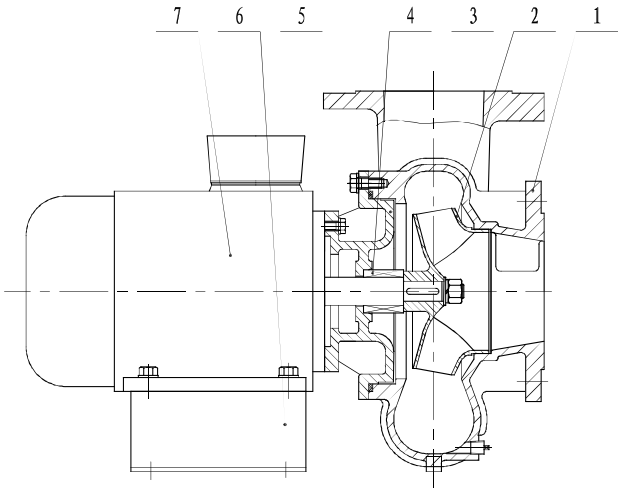
Curve conditions

Following conditions are suitable for performance curve

- Curve tolerance in conformity with ISO9906:2012,3B.
- All curves are based on the measured values of 50Hz（3×380V）: constant motor speed 2900rpm or 1450rpm.
- Test medium is clean water with temperature of 20 ℃ without any solid impurity and air.
- The operation of pump should refer to the performance range of curve shown in boldface to prevent overheating due to too small flow rate or overloading due to too large flow rate.

General Data

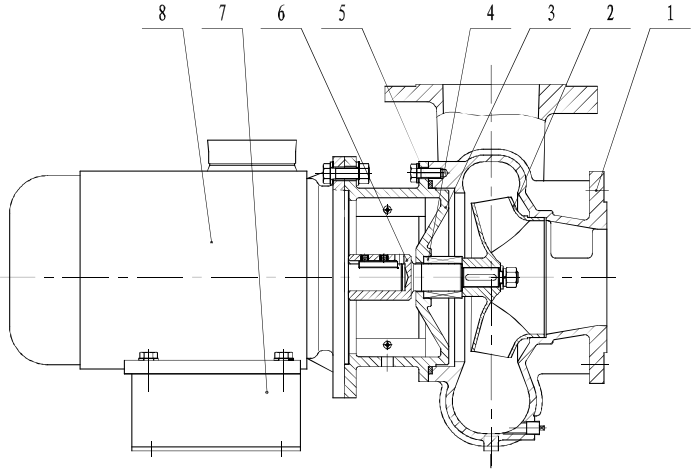
WLT Section drawing



Material

NO.	Name	Material	AISI/ASTM
1	Casing	Cast iron	ASTM25B
2	Impeller	ZG07Cr19Ni9	AISI304
3	pump head	Cast iron	ASTM25B
4	Mechanical seal	Graphite /Silicon carbide	
5	O ring	NBR	
6	Base	Q235-A	AISIA570
7	Motor		

WLTS Section drawing



Material

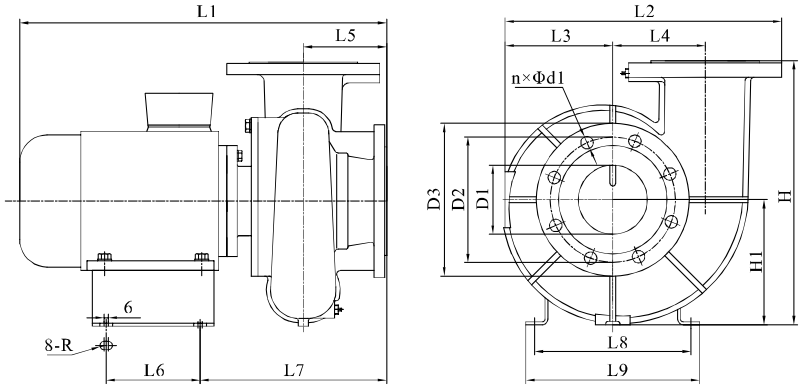
NO.	Name	Material	AISI/ASTM
1	Casing	Cast iron	ASTM25B
2	Impeller	ZG07Cr19Ni9	AISI304
3	pump head	Cast iron	ASTM25B
4	Mechanical seal	Graphite /Silicon carbide	
5	O ring	NBR	
6	Shaft	20Cr13	ASTM420
7	Base	Q235-A	AISIA570
8	Motor		

General Data

WLT,WLTS Performance table

NO	Model	Q [m^3/h]	H [m]	Motor [kW]	n [r/min]
1	65-5/1.1	45	5	1.1	2900
2	80-5/1.5	65	5	1.5	2900
3	100-5/2.2	120	5	2.2	1450
4	125-5A/3	150	5	3	1450
5	125-5/4	180	5	4	1450
6	150-6/5.5	230	6	5.5	1450

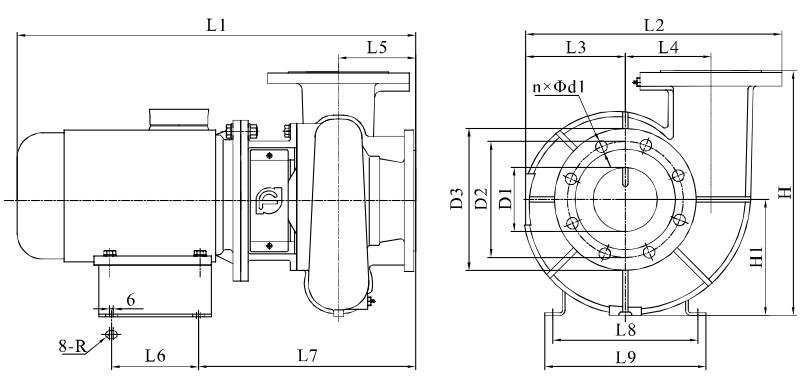
WLT Installation sketch



Size and weight

Model	External dimension					Installation dimension							Inlet and outlet flange dimension					Weight (kg)
	L1	H	H1	L2	L3	L7	L9	L5	L4	L8	L6	d2	D1	D2	D3	n	d1	
WLT65-5/1.1	439	240	120	285	107	247	215	100	85	185	95	5	65	145	185	4	18	29
WLT80-5/1.5	488	270	130	305	115	263	230	110	90	200	120	5	80	160	200	8	18	35
WLT100-5/2.2	562	380	180	400	155	295	250	120	135	225	135	6	100	180	220	8	18	50
WLT125-5A/3	577	432	212	450	175	310	250	135	150	225	135	6	125	210	250	8	18	60
WLT125-5/4	582	432	212	450	175	317	280	135	150	255	135	6	125	210	250	8	18	77
WLT150-6/5.5	653	462	232	510	195	361	350	150	170	310	135	6	150	240	285	8	22	102

WLTS Installation sketch

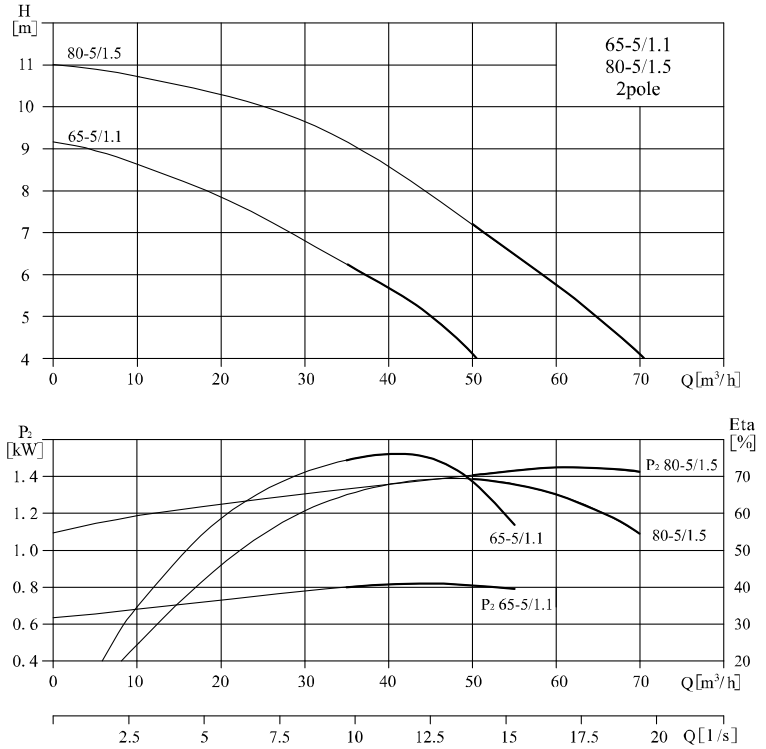


Size and weight

Model	External dimension					Installation dimension							Inlet and outlet flange dimension					Weight (kg)
	L1	H	H1	L2	L3	L7	L9	L5	L4	L8	L6	d2	D1	D2	D3	n	d1	
WLTS65-5/1.1	470	240	120	285	107	277	215	100	85	185	95	5	65	145	185	4	18	31
WLTS80-5/1.5	527	270	130	305	115	293	230	110	90	200	120	5	80	160	200	8	18	38
WLTS100-5/2.2	609	380	180	400	155	337	250	120	135	225	135	6	100	180	220	8	18	53
WLTS125-5A/3	624	432	212	450	175	352	250	135	150	225	135	6	125	210	250	8	18	63
WLTS125-5/4	642	432	212	450	175	359	280	135	150	255	135	6	125	210	250	8	18	80
WLTS150-6/5.5	700	462	232	510	195	402	350	150	170	310	135	6	150	240	285	8	22	105

Performance curve

2900rpm

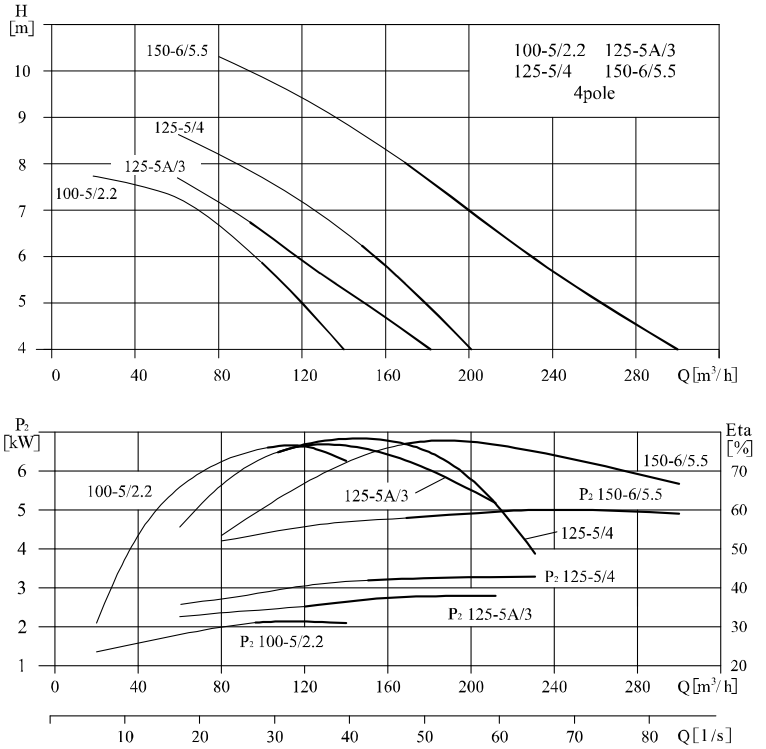


Performance table

Model	Motor (kW)	Q (m^3/h)	35	40	45	50	55	60	65	70
65-5/1.1	1.1	H (m)	6.2	5.7	5	4.1				
80-5/1.5	1.5					7.2	6.4	5.8	5	4

Performance curve

1450rpm



Performance table

Model	Motor (kW)	Q (m^3/h)	100	110	120	130	140	150	160	170	180	190	200	210	230	250	270	300
100-5/2.2	2.2	H (m)	5.9	5.4	5	4.5	4											
125-5A/3	3		6.6	6.2	5.9	5.6	5.3	5	4.7	4.4	4							
125-5/4	4							6.2	5.8	5.4	5	4.5	4					
150-6/5.5	5.5									8	7.6	7.3	7	6.7	6	5.4	4.8	4

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