

 CNP 南方泵业	Product Information CHLF2-40	Manufacturer	Nanfang Pump Industry Co.,Ltd (CNP)
		Address	Hangzhou, Zhejiang, China
		Contact	86-571-88637351
		Date	2025/02/04
		Client Name	abo energy parseh
Project Name		Client Addr.	iran, kish, hadish
Item NO		Contacts	siri
		Contact	+987644467770

Part NO.	1100139510
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Product Picture: (Note: Images may not be the same as the product)	Note
	Non-self-priming horizontal multistage centrifugal pump, impeller guide vane is made of stainless steel plate stamping and welding, with long shaft motor, axial inlet and radial outlet. Compact structure; Low noise; Suitable for mildly corrosive liquids; Small installation space.

Nameplate parameters

Flow	2 m ³ /h
Head	29 m
Efficiency	41 %
Speed	2900 rpm
Number of stages	4

Technology

Pump rotator speed	2900
Pump version	2

Material

Impeller	304
Rubber code	P
Material Code	S

Installation

Connection Code	L
Installation type	horizontal
Maximum Pressure/Temperature (high temperature)	10 bar
Maximum Pressure/Temperature (low temperature)	10 bar

Medium

Medium Temperature normal temperature	-15°C~+70°C
Medium Temperature high temperature	-15°C~+105°C
Maximum Environment Temperature	40°C

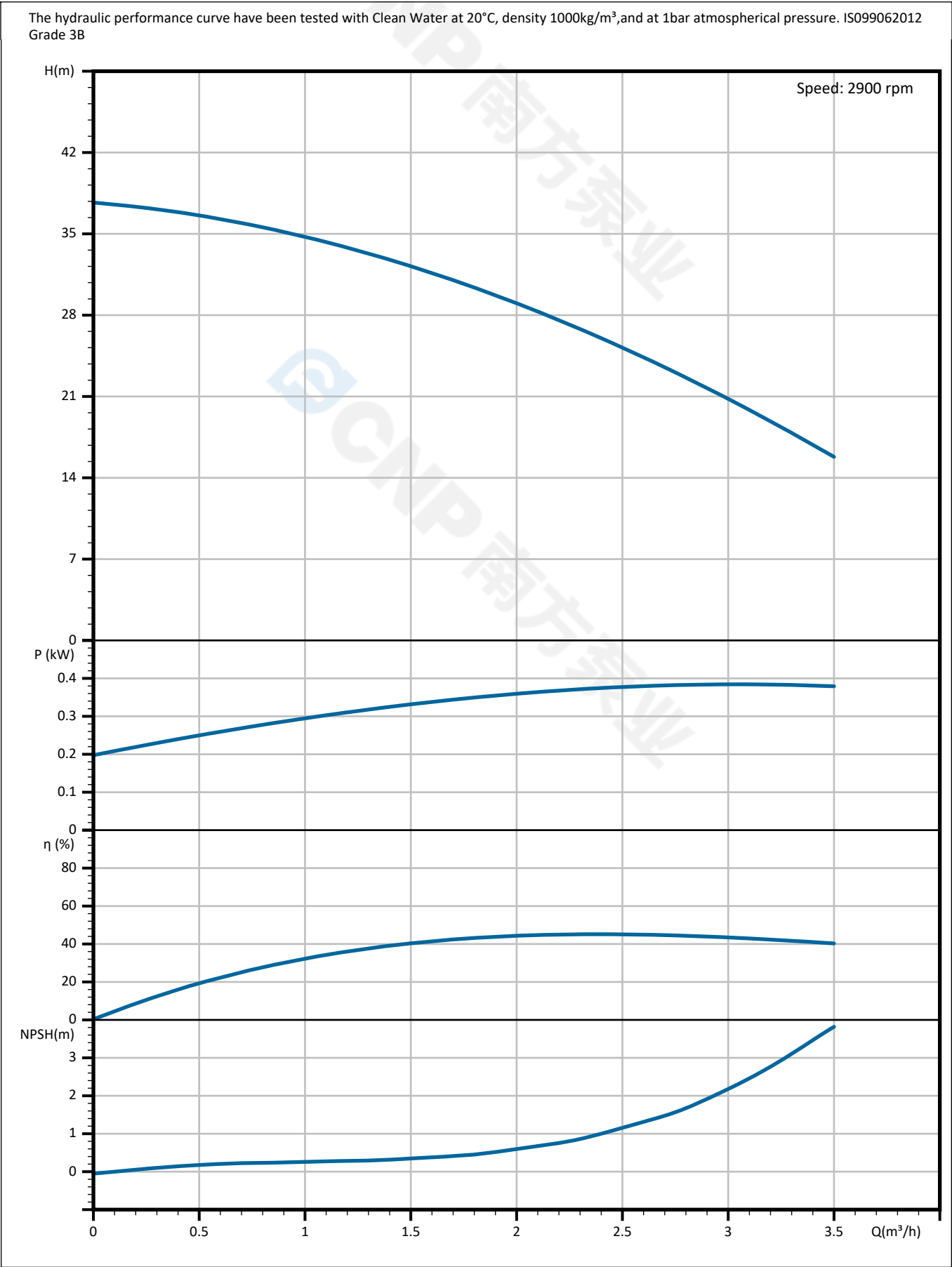
Structure dimension

Inlet Bore	G1
Outlet Diameter	G1
Rotation Direction	Clockwise

Motor

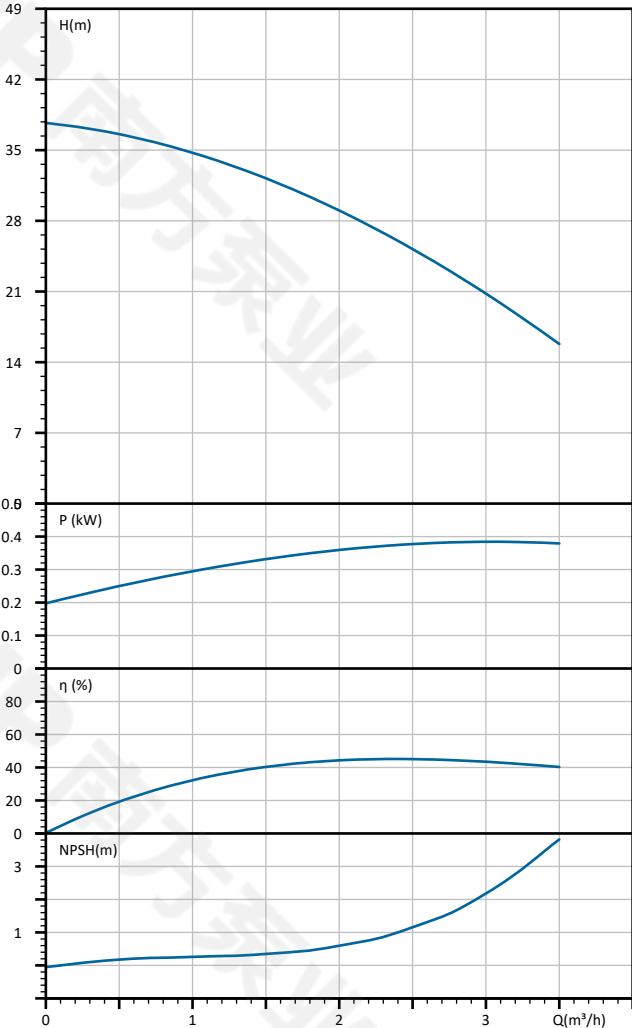
Number of Motor Phase	Three Phase
Protection Class	IP55
Insulation Class	F
Motor Power(kW)	0.55KW
Power Frequency(Hz)	50
Rated Voltage (V)	380V
Energy Efficiency Level	IE3

	Performance Curve CHLF2-40	Manufacturer	Nanfang Pump Industry Co.,Ltd (CNP)
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 CNP 南方泵业	Pump Technical Parameters CHLF2-40	Manufacturer	Nanfang Pump Industry Co.,Ltd (CNP)
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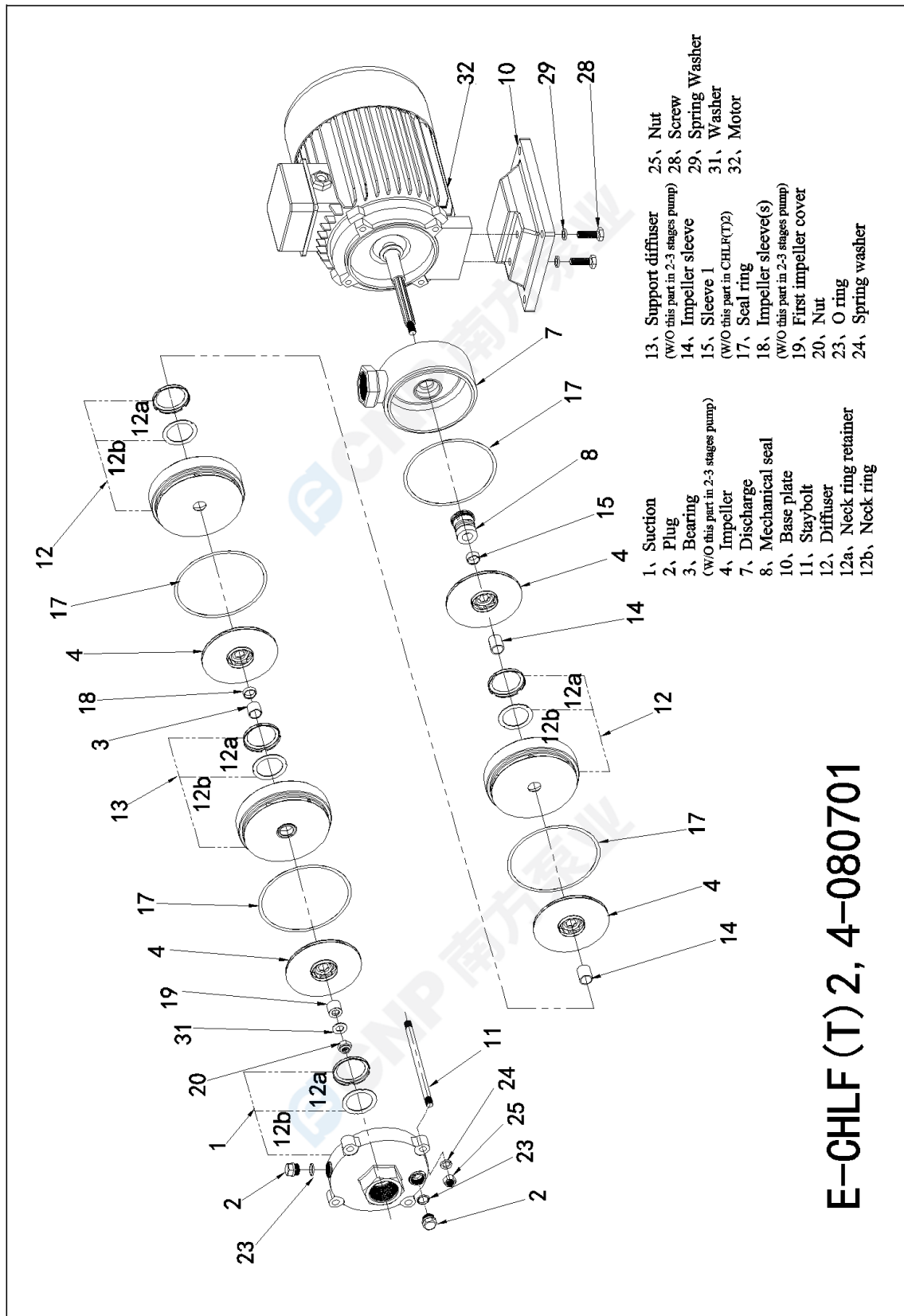
Rated parameters	
Pump model	CHLF2-40
Part NO.	1100139510
Rated flow	2 m³/h
Rated head	29 m
Rated efficiency	41 (%)
Power (kW)	0.39 kW
NPSHr (m)	2
Speed (rpm)	2900
Max impeller diameter (mm)	90
Medium	
Pumped medium	Clean Water
Working temperature (°C)	20
Medium density (kg/m³)	1000
Viscosity (mm²/s)	1



The figure displays four performance curves for the CHLF2-40 pump, plotted against flow rate (Q) in m³/h on the x-axis (0 to 3.5). The y-axes represent Head (H) in meters (0 to 49), Power (P) in kW (0 to 0.8), Efficiency (η) in percent (0 to 80), and Net Positive Suction Head (NPSHr) in meters (0 to 3). The Head curve starts at approximately 38m at 0 flow and decreases to about 16m at 3.5 m³/h. The Power curve starts at 0.2 kW and rises to a peak of 0.4 kW at 3.0 m³/h before slightly declining. The Efficiency curve starts at 0% and peaks at 41% at 2.5 m³/h. The NPSHr curve starts at 0.5m and increases to 3m at 3.5 m³/h.

Flow (Q) [m³/h]	Head (H) [m]	Power (P) [kW]	Efficiency (η) [%]	NPSHr [m]
0	38	0.20	0	0.5
1	35	0.28	35	0.6
2	30	0.35	40	0.8
2.5	26	0.38	41	1.2
3	21	0.40	40	1.8
3.5	16	0.38	38	3.0

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 CNP 南方泵业	Physical picture CHLF2-40	Manufacturer	Nanfang Pump Industry Co.,Ltd (CNP)
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 CNP 南方泵业	Order Data CHLF2-40	Manufacturer	Nanfang Pump Industry Co.,Ltd (CNP)
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Pump model CHLF2-40
Part NO. 1100139510
Product price
Quantity 1
Total price

Inquiry notes