CNP 南方泵业	Product Information CDS12-8	Manufacturer	Nanfang Pump Industry Co.,Ltd (CNP)
		Address	Hangzhou, Zhejiang, China
		Contact	86-571-88637351
		Date	2026/10/07
Project Name		Client Name	
		Client Addr.	
Item NO		Contacts	Laya
		Contact	

Part NO.	1100107205
Product Picture: (Note: Images may not be the same as the product)	Note
	CDS pumps are designed for a variety of applications from the pumping of potable water to the pumping of industrial liquids. Applied for liquids of different rated flow, different pressure range. It is energy saving, low noise, environment friendly, compact design, light weight, easy for service, high reliability.

Nameplate parameters

Flow	12 m³/h
Head	80 m
Unit Eta	61.6 %
Speed	2900 rpm
Number of stages	8

Technology

Pump rotator speed	2900
Nameplate standards	GE
Pump version	1

Material

Impeller	304
Rubber code	P
Inlet&outlet chamber	HT200

Installation

Connection Code	L
Maximum Pressure/Temperature (high temperature)	10bar/70°C
Maximum Pressure/Temperature (low temperature)	10 bar / -15 °C
Flange Standard	G
Pressure Class	PN10
Inlet & outlet	G2

Medium

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

Expolded view	E-CDS8~20 exploded view180101

Motor

Number of Motor Phase	Three Phase
Protection Class	IP55
Insulation Class	F
Motor Power(kW)	5.5KW
Power Frequency(Hz)	50HZ
Rated Voltage (V)	380V
Rated Current (A)	10.9A
Energy Efficiency Level	IE2

The manufacturer may change the dimensions and specifications without notice.

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		Contact	

Seal

Mechanical Seal	CDS-JF17/BSP4

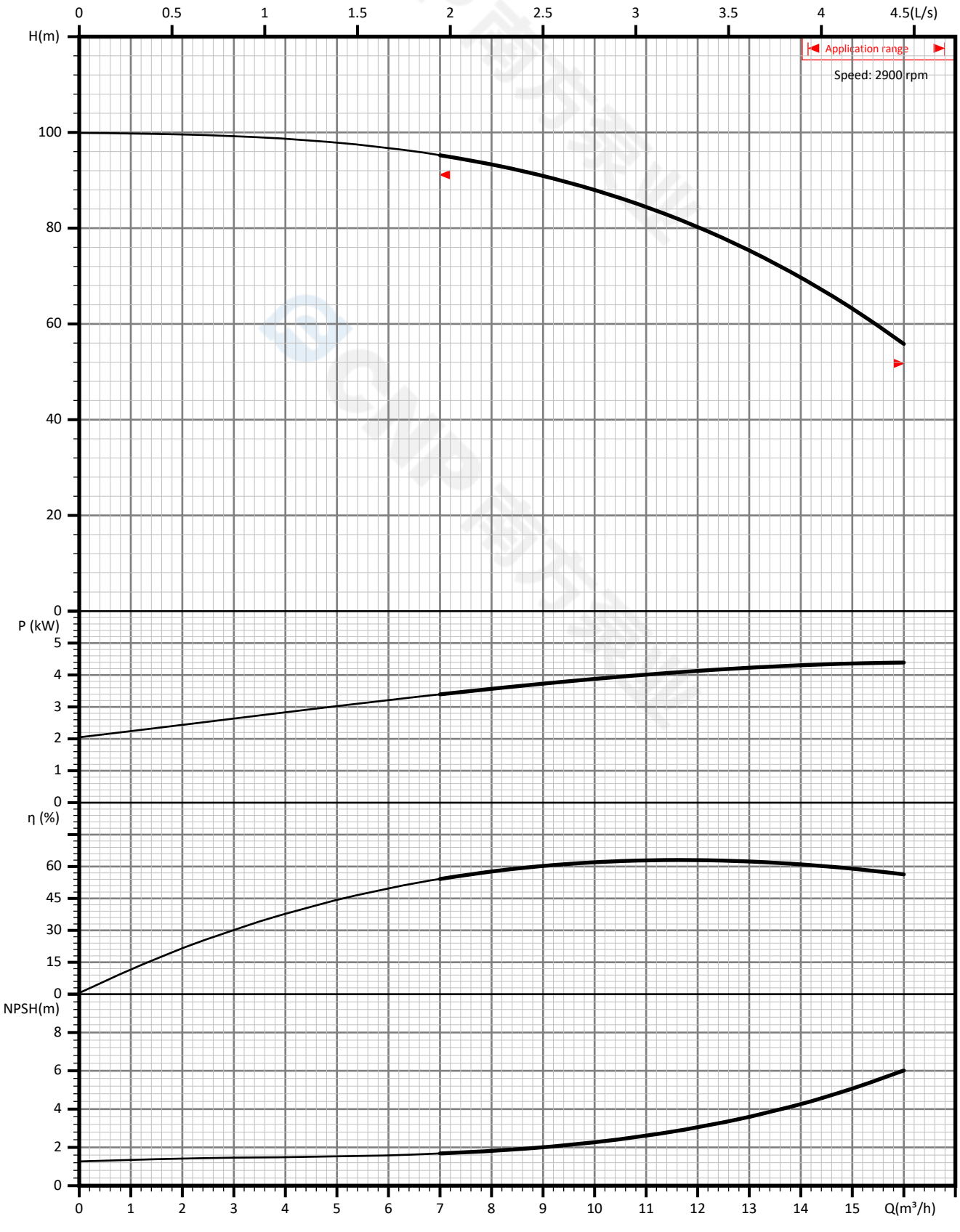
Others

Weight (kg)	61

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CNP 南方泵业	Performance Curve CDS12-8	Manufacturer	Nanfang Pump Industry Co.,Ltd (CNP)
		Address	Hangzhou, Zhejiang, China
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		Contact	

The hydraulic performance curve have been tested with water at 20°C, density 1000kg/m³,and at 1bar at mospherical pressure.
IS099062012 Grade 3B

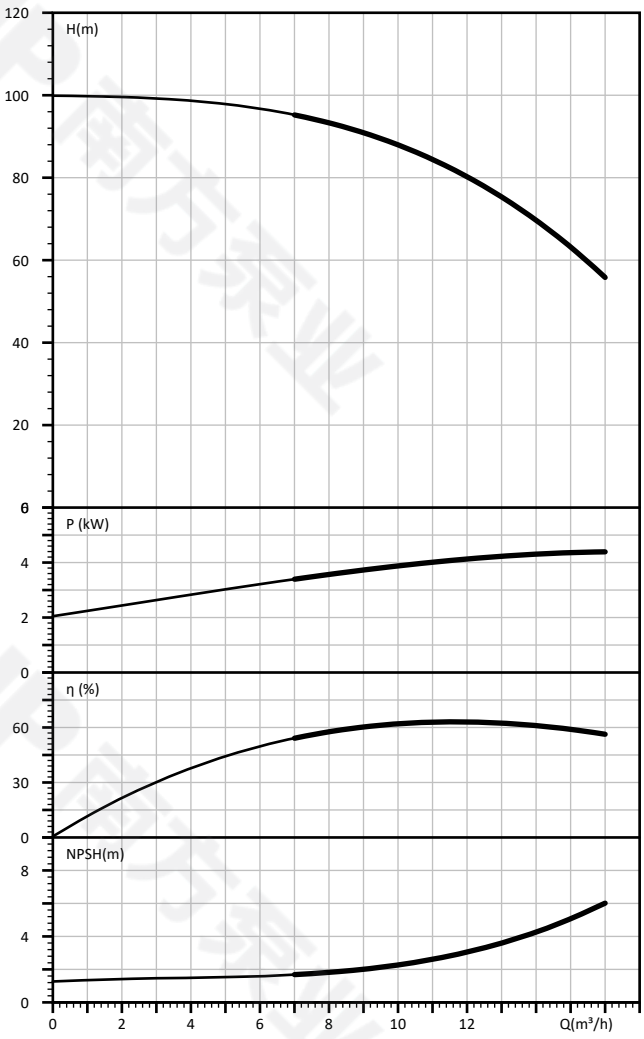


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CNP 南方泵业	Pump Technical Parameters CDS12-8	Manufacturer	Nanfang Pump Industry Co.,Ltd (CNP)
		Address	Hangzhou, Zhejiang, China
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		Date	2026/10/07
Project Name		Client Name	
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Item NO		Contacts	Laya
		Contact	

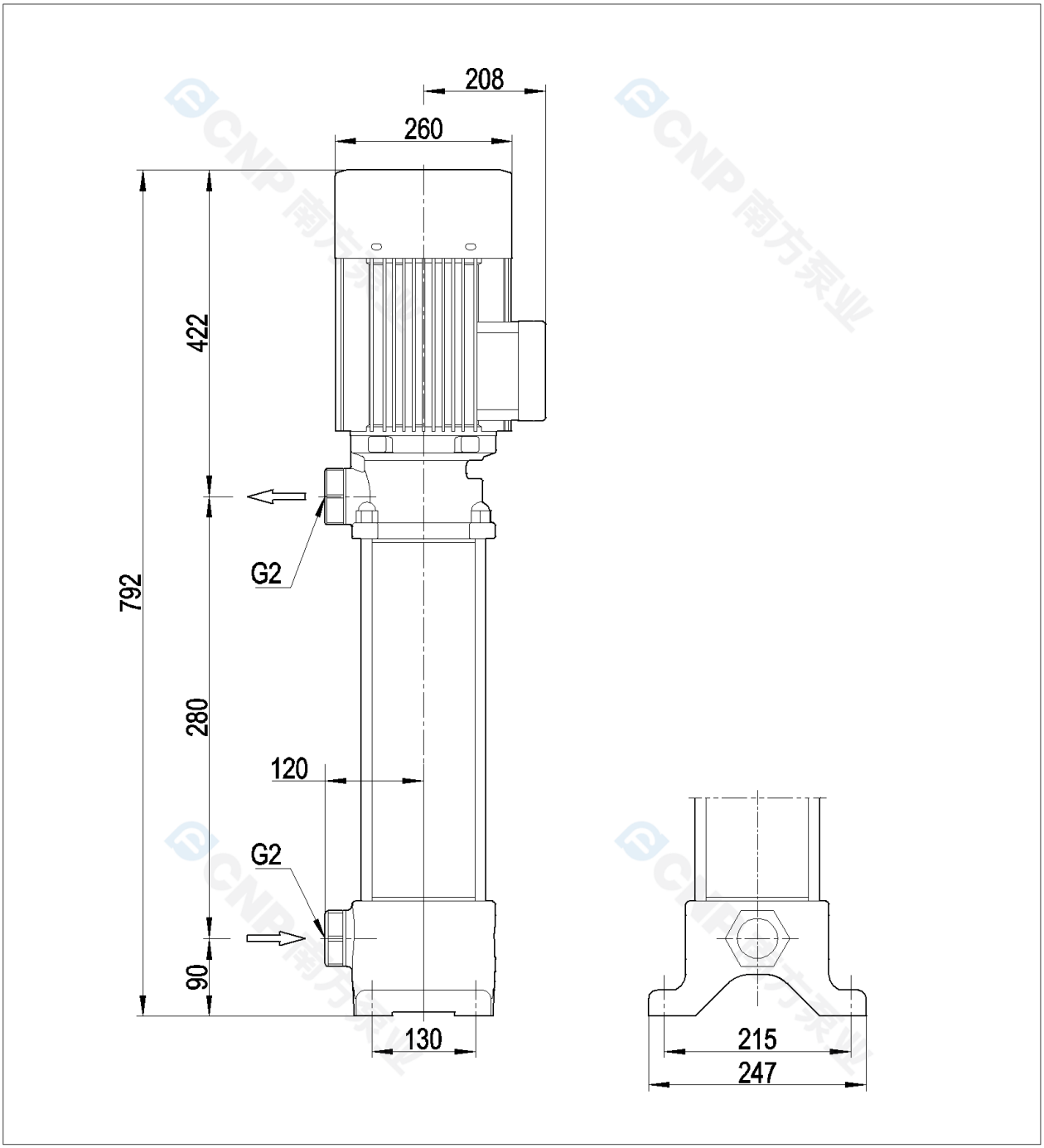
Rated parameters	
Pump model	CDS12-8
Part NO.	1100107205
Rated flow	12 m³/h
Rated head	80 m
Rated Unit Eta	61.6 %
Rated Input Power	4.25 kW
NPSHr	3 m
Speed	2900 rpm
Max impeller diameter	105 mm

Medium	
Pumped medium	water
Working temperature	20 °C
Medium density	1000 kg/m³
Viscosity	1 mm²/s



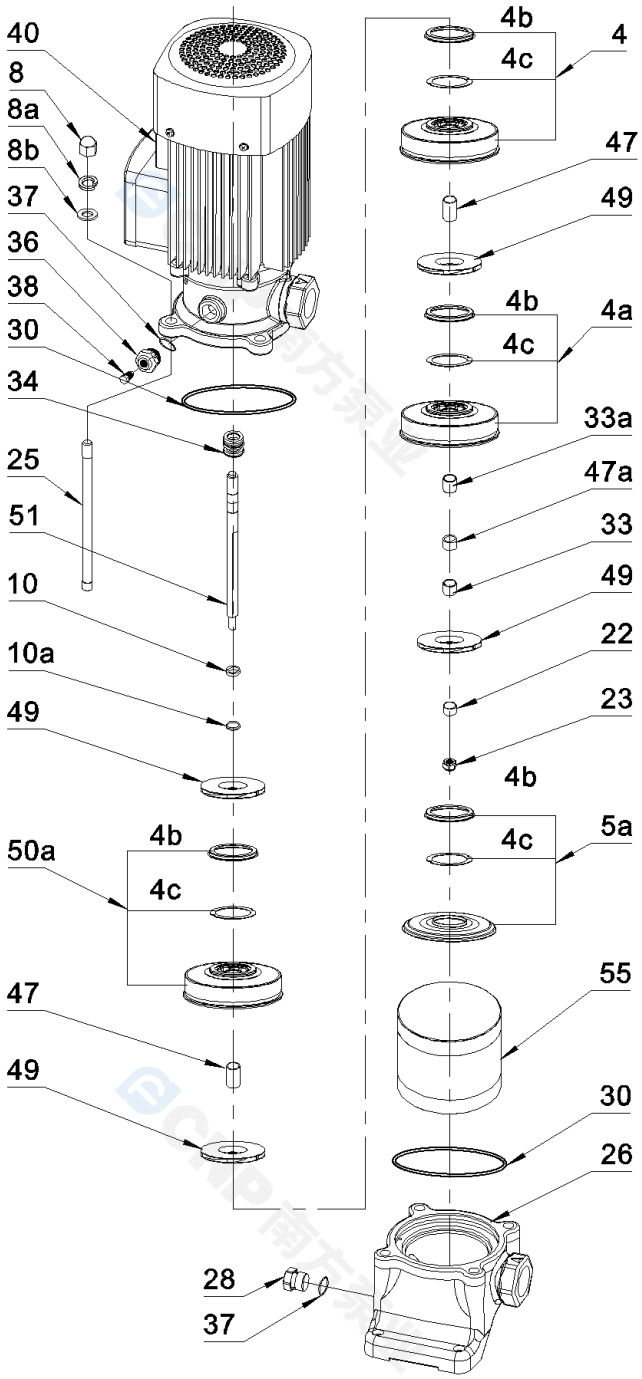
The manufacturer may change the dimensions and specifications without notice.

CNP 南方泵业	Dimension Drawing CDS12-8	Manufacturer	Nanfang Pump Industry Co.,Ltd (CNP)
		Address	Hangzhou, Zhejiang, China
		Contact	86-571-88637351
		Date	2026/10/07
Project Name		Client Name	
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Item NO		Contacts	Laya
		Contact	



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CNP 南方泵业	Expolded view CDS12-8	Manufacturer	Nanfang Pump Industry Co.,Ltd (CNP)
		Address	Hangzhou, Zhejiang, China
		Contact	86-571-88637351
		Date	2026/10/07
Project Name		Client Name	
		Client Addr.	
Item NO		Contacts	Laya
		Contact	



4、Diffuser
4a、Support diffuser
4b、Neck ring cover
4c、Neck ring
5a、Inducer
8、Cap Nut M12
8a、Spring Washer 12
8b、washer 12
10、Circlip cover
10a、Adjusting shim
22、First impeller cover
23、Nut M8-LH
25、Stay bolt
26、Suction
28、Drainage screw
30、O ring 160×3.55
33、Impeller sleeve(S):
CDS 8/10/12/16
Impeller sleeve(L):
CDS 15/20
33a、Impeller sleeve(L):
CDS 8/10/12
Impeller sleeve:
CDS 15/16/20
34、Mechanical seal
36、Air vent nut
37、O ring 16×2.8
38、Air vent screw
40、Motor
47、Impeller sleeve
47a、Bearing
49、Impeller
50a、Top diffuser
(Apply only to CDS 20)
51、Shaft
55、Cylinder

E-CDS8,10,12,15,16,20-180101

The manufacturer may change the dimensions and specifications without notice.

CNP 南方泵业	Physical picture CDS12-8	Manufacturer	Nanfang Pump Industry Co.,Ltd (CNP)
		Address	Hangzhou, Zhejiang, China
		Contact	86-571-88637351
		Date	2026/10/07
Project Name		Client Name	
		Client Addr.	
Item NO		Contacts	Laya
		Contact	



The manufacturer may change the dimensions and specifications without notice.

CNP 南方泵业	Order Data CDS12-8	Manufacturer	Nanfang Pump Industry Co.,Ltd (CNP)
		Address	Hangzhou, Zhejiang, China
		Contact	86-571-88637351
		Date	2026/10/07
Project Name		Client Name	
		Client Addr.	
Item NO		Contacts	Laya
		Contact	

Pump model	CDS12-8
Part NO.	1100107205
Product price	
Quantity	1
Total price	

Inquiry notes