

 CNP 南方泵业	Product Information CDM85-1	Manufacturer	Nanfang Pump Industry Co.,Ltd (CNP)
		Address	Hangzhou, Zhejiang, China
		Contact	86-571-88637351
		Date	2025/07/08
Project Name		Client Name	WEPKO
		Client Addr.	
Item NO		Contacts	Wepko
		Contact	

Part NO.	1100104871
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Product Picture: (Note: Images may not be the same as the product)	Note
	CDM/CDMF pumps are new generation, high efficiency, non-self-priming vertical multistage centrifugal pumps (Abbr. as pumps). It referred to European standard, adopted entirely new industrial design, efficiency achieved $MEI \geq 0.7$. It is energy saving, low noise, environment friendly, compact design, beautiful shape, light weight, easy for service, high reliability.

Nameplate parameters

Flow	85 m ³ /h
Head	20 m
Efficiency	73.9 %
Speed	2900 rpm

Technology

Pump rotator speed	2900
Nameplate standards	CE
Pump version	2

Material

Impeller	304
Rubber code	P
Inlet&outlet chamber	304
Material Code	S

Installation

Connection Code	F
Maximum Pressure/Temperature (high temperature)	25 bar / 120 °C
Maximum Pressure/Temperature (low temperature)	25 bar / -15 °C
Flange Standard	DIN
Pressure Class	PN16
Inlet & outlet	DN100

Medium

Medium Temperature normal temperature	-15°C+70°C
Medium Temperature high temperature	-15°C+120°C
Maximum Environment Temperature	40°C

Structure dimension

Model picture	F Flange
Explosed view	CDMF85

Motor

Number of Motor Phase	Three Phase
Protection Class	IP55
Insulation Class	F
Motor Power(kW)	7.5KW
Power Frequency(Hz)	50HZ
Rated Voltage (V)	380V

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Motor

Rated Current (A)	14.4A
Energy Efficiency Level	IE3

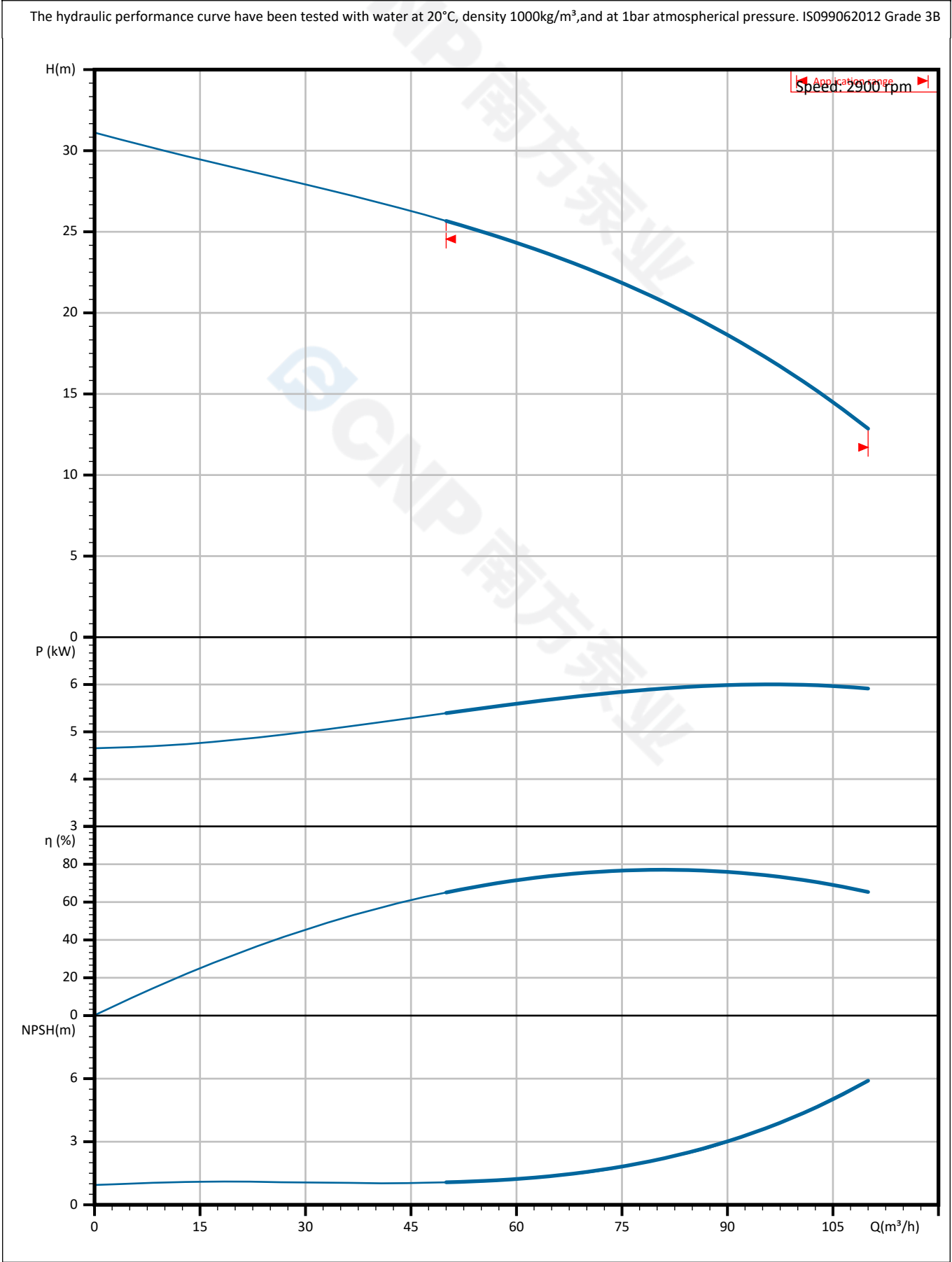
Seal

Mechanical Seal	CDLA-22/WB1F14
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Others

Weight (kg)	110
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 CNP 南方泵业	Performance Curve CDM85-1	Manufacturer	Nanfang Pump Industry Co.,Ltd (CNP)
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 CNP 南方泵业	Pump Technical Parameters CDM85-1	Manufacturer	Nanfang Pump Industry Co.,Ltd (CNP)
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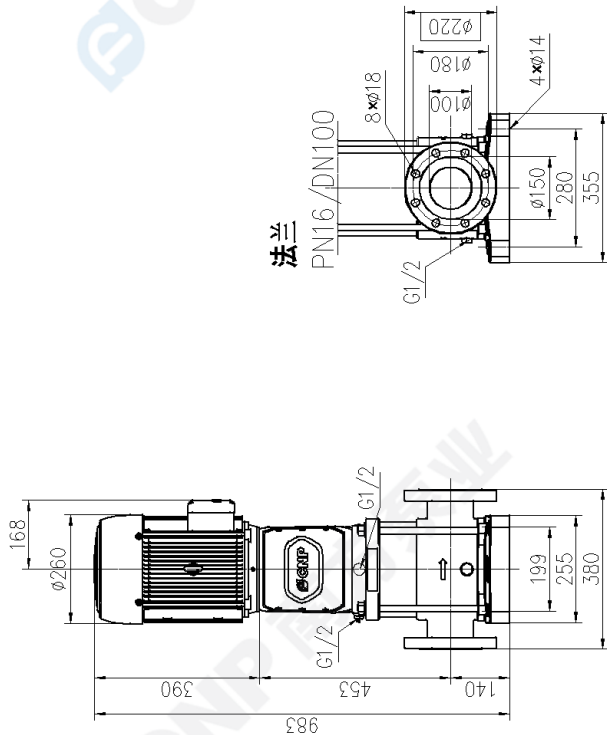
Rated parameters	
Pump model	CDM85-1
Part NO.	1100104871
Rated flow	85 m³/h
Rated head	20 m
Rated efficiency	73.9 (%)
Power (kW)	6.27 kW
NPSHr (m)	2.5
Speed (rpm)	2900
Max impeller diameter (mm)	146
Medium	
Pumped medium	water
Working temperature (°C)	20
Medium density (kg/m³)	1000
Viscosity (mm²/s)	1

The figure displays four performance curves for the CDM85-1 pump, plotted against flow rate Q in m^3/h on the x-axis (0 to 120). The y-axes represent Head H (m), Power P (kW), Efficiency η (%), and Net Positive Suction Head NPSH (m).

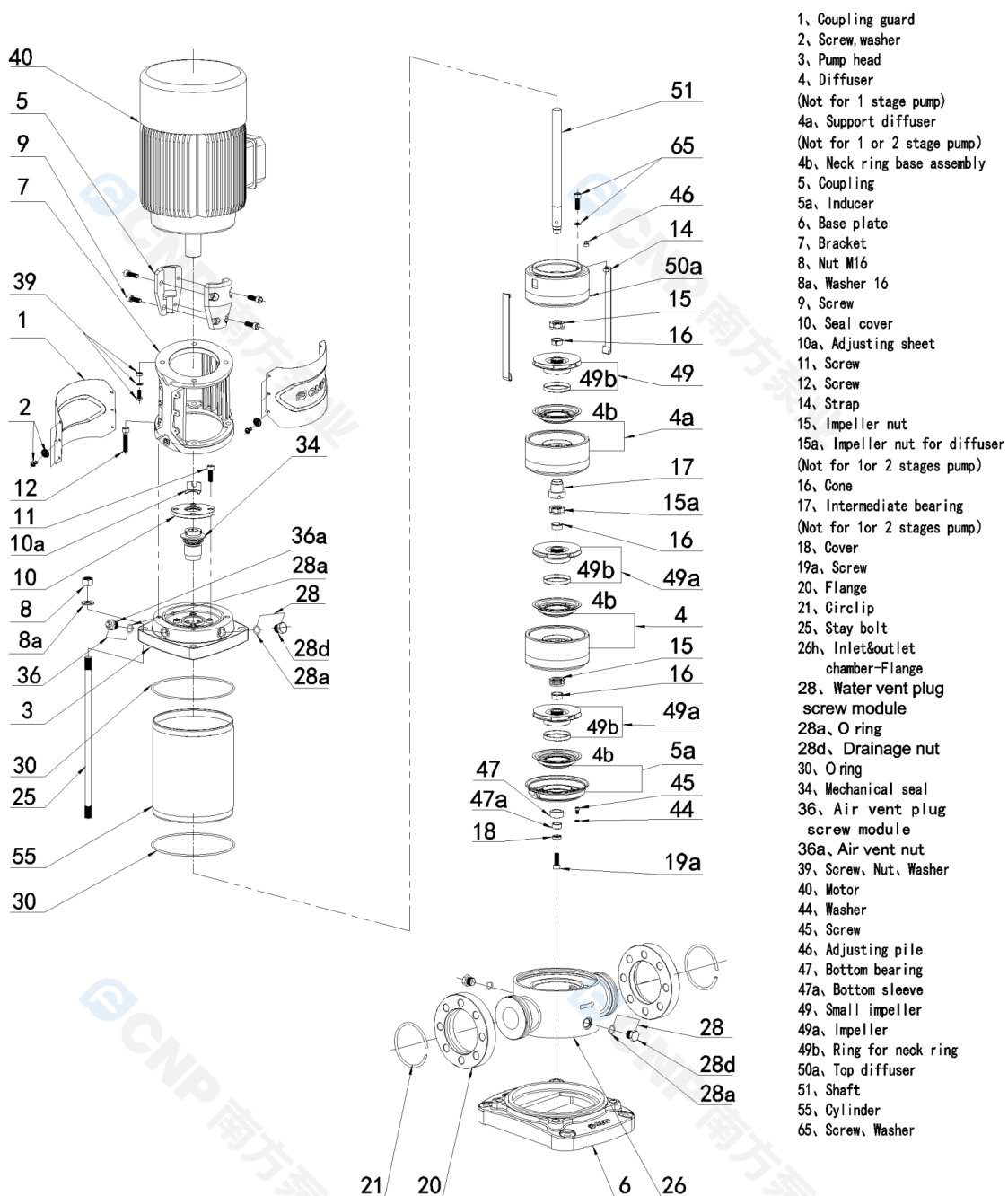
- Head H (m):** The curve starts at approximately 31 m at $Q=0$ and decreases to about 13 m at $Q=110$.
- Power P (kW):** The curve starts at approximately 4.5 kW at $Q=0$ and increases to about 6.0 kW at $Q=110$.
- Efficiency η (%):** The curve starts at 0% at $Q=0$, peaks at approximately 74% around $Q=85$, and then slightly decreases to about 68% at $Q=110$.
- NPSH (m):** The curve starts at approximately 1.0 m at $Q=0$ and increases to about 6.0 m at $Q=110$.

	Dimension Drawing CDM85-1	Manufacturer	Nanfang Pump Industry Co.,Ltd (CNP)
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CDMF85-1FSWSC



 CNP 南方泵业	Explosed view CDM85-1	Manufacturer	Nanfang Pump Industry Co.,Ltd (CNP)
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Drawing 1-M CDMF85-240704

	Physical picture CDM85-1	Manufacturer	Nanfang Pump Industry Co.,Ltd (CNP)
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 CNP 南方泵业	Order Data CDM85-1	Manufacturer	Nanfang Pump Industry Co.,Ltd (CNP)
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		Contact	

Pump model CDM85-1
Part NO. 1100104871
Product price
Quantity 1
Total price

Inquiry notes