

	Product Information CDM85-5-2	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	
		Contact	

Part NO.	1100105192
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≥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 m³/h
Head	98 m
Efficiency	73.9 %
Speed	2900 rpm
Number of stages	5

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
Expolded view	CDMF85

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Motor

Number of Motor Phase	Three Phase
Protection Class	IP55
Insulation Class	F
Motor Power(kW)	37KW
Power Frequency(Hz)	50HZ
Rated Voltage (V)	380V
Rated Current (A)	67.4A
Energy Efficiency Level	IE3

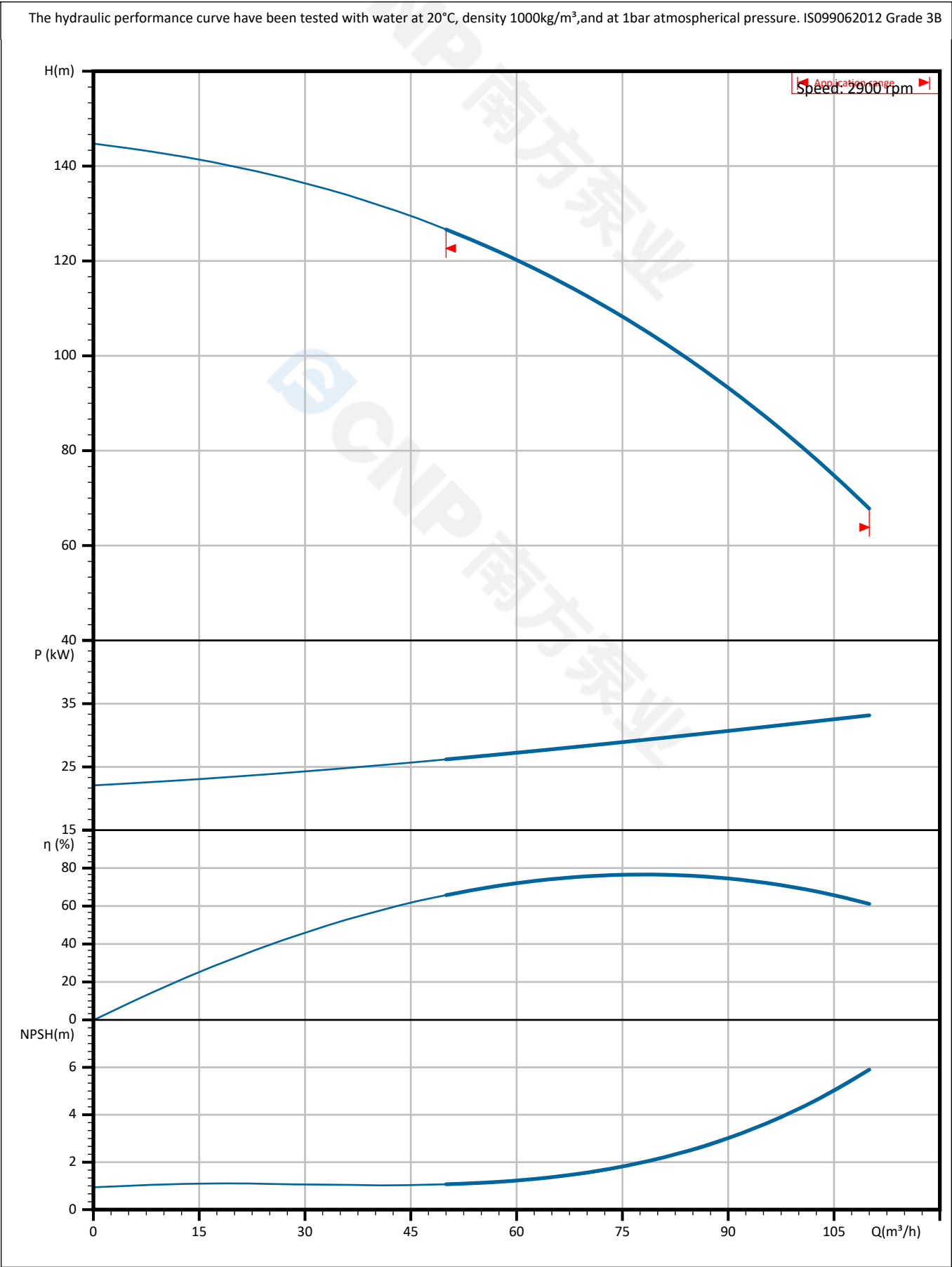
Seal

Mechanical Seal	CDLA-22/WB1F14
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Others

Weight (kg)	336
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	Performance Curve CDM85-5-2	Manufacturer	Nanfeng Pump Industry Co.,Ltd (CNP)
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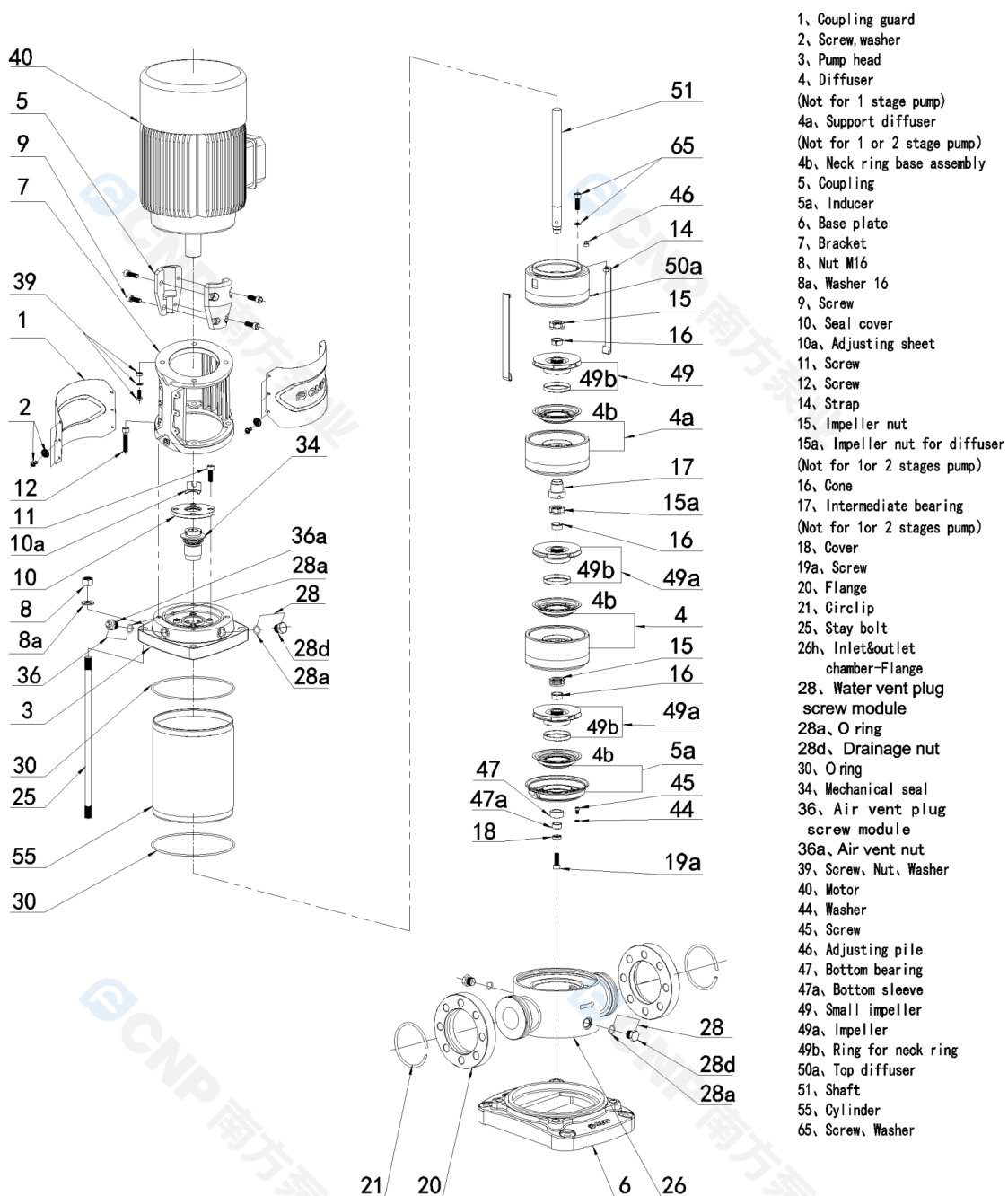
 CNP 南方泵业	Pump Technical Parameters CDM85-5-2	Manufacturer	Nanfang Pump Industry Co.,Ltd (CNP)
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Rated parameters	
Pump model	CDM85-5-2
Part NO.	1100105192
Rated flow	85 m³/h
Rated head	98 m
Rated efficiency	73.9 (%)
Power (kW)	30.7 kW
NPSHr (m)	2.5
Speed (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 CDM85-5-2 pump, plotted against flow rate (Q) in m³/h. The x-axis for all graphs ranges from 0 to 100 m³/h, with major grid lines every 30 units and minor grid lines every 10 units.

- Head (H) in meters:** The curve starts at approximately 145 m at Q=0 and decreases to about 70 m at Q=100 m³/h.
- Power (P) in kW:** The curve starts at approximately 22 kW at Q=0 and increases to about 35 kW at Q=100 m³/h.
- Efficiency (η) in %:** The curve starts at 0% at Q=0, rises to a peak of about 78% at Q=75 m³/h, and then slightly declines to about 65% at Q=100 m³/h.
- NPSHr in meters:** The curve starts at approximately 1 m at Q=0 and increases to about 6 m at Q=100 m³/h.

 CNP 南方泵业	Explosed view CDM85-5-2	Manufacturer	Nanfang Pump Industry Co.,Ltd (CNP)
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Drawing 1-M CDMF85-240704

 CNP 南方泵业	Physical picture CDM85-5-2	Manufacturer	Nanfeng Pump Industry Co.,Ltd (CNP)
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 CNP 南方泵业	Order Data CDM85-5-2	Manufacturer	Nanfang Pump Industry Co.,Ltd (CNP)
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Pump model CDM85-5-2

Part NO. 1100105192

Product price

Quantity 1

Total price

Inquiry notes