

	Product Information CDM20-9	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.	1100090785
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	20 m³/h
Head	107 m
Efficiency	72 %
Speed	2900 rpm
Number of stages	9

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	PN25
Inlet & outlet	DN50

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
Expolded view	CDMF15,20exploded view

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Motor

Number of Motor Phase	Three Phase
Protection Class	IP55
Insulation Class	F
Motor Power(kW)	11KW
Power Frequency(Hz)	50Hz
Rated Voltage (V)	380V
Rated Current (A)	20.6A
Energy Efficiency Level	IE3

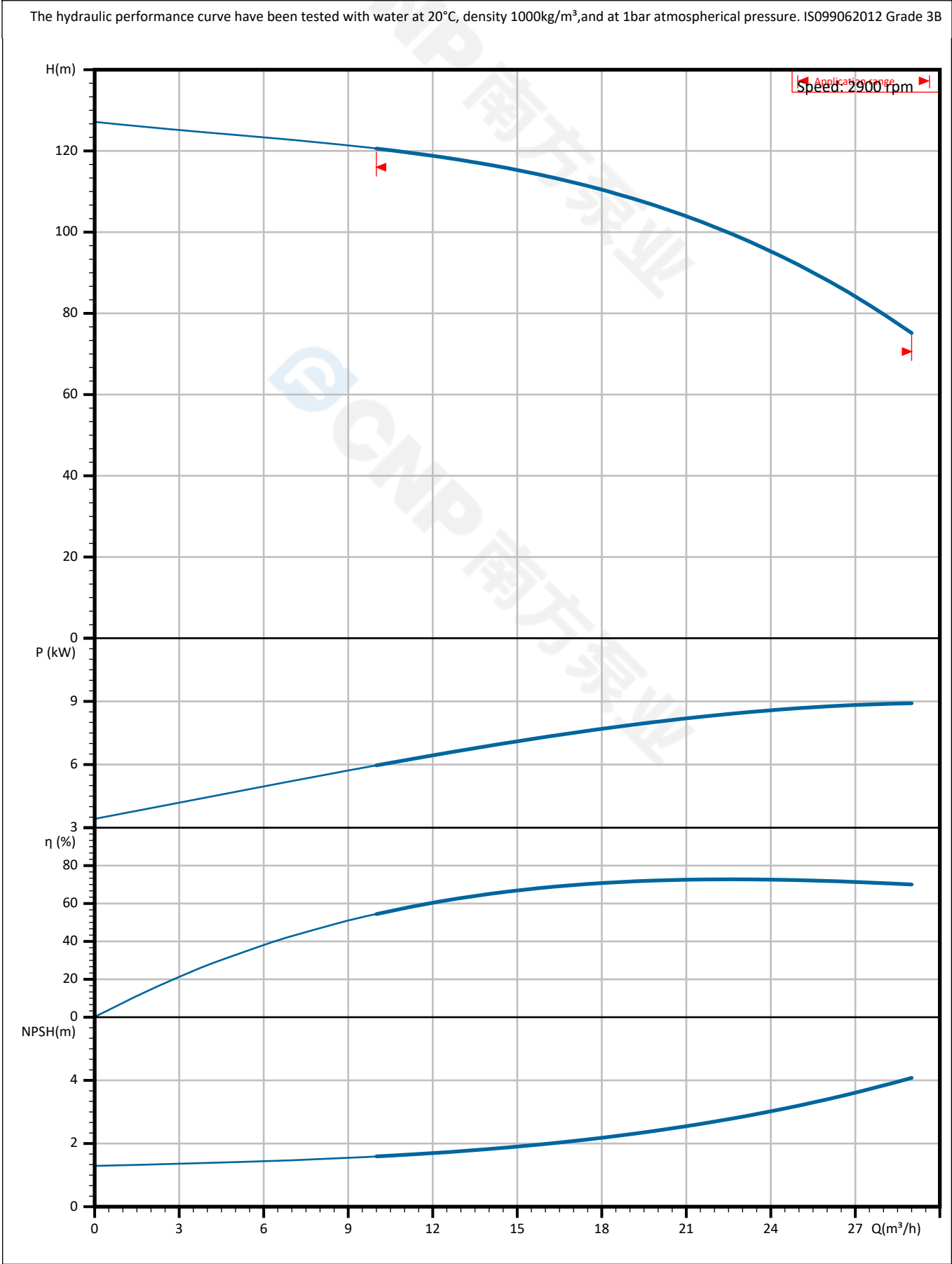
Seal

Mechanical Seal	CDLA-16/WB1F14
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Others

Weight (kg)	161
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 CNP 南方泵业	Performance Curve CDM20-9	Manufacturer	Nanfang Pump Industry Co.,Ltd (CNP)
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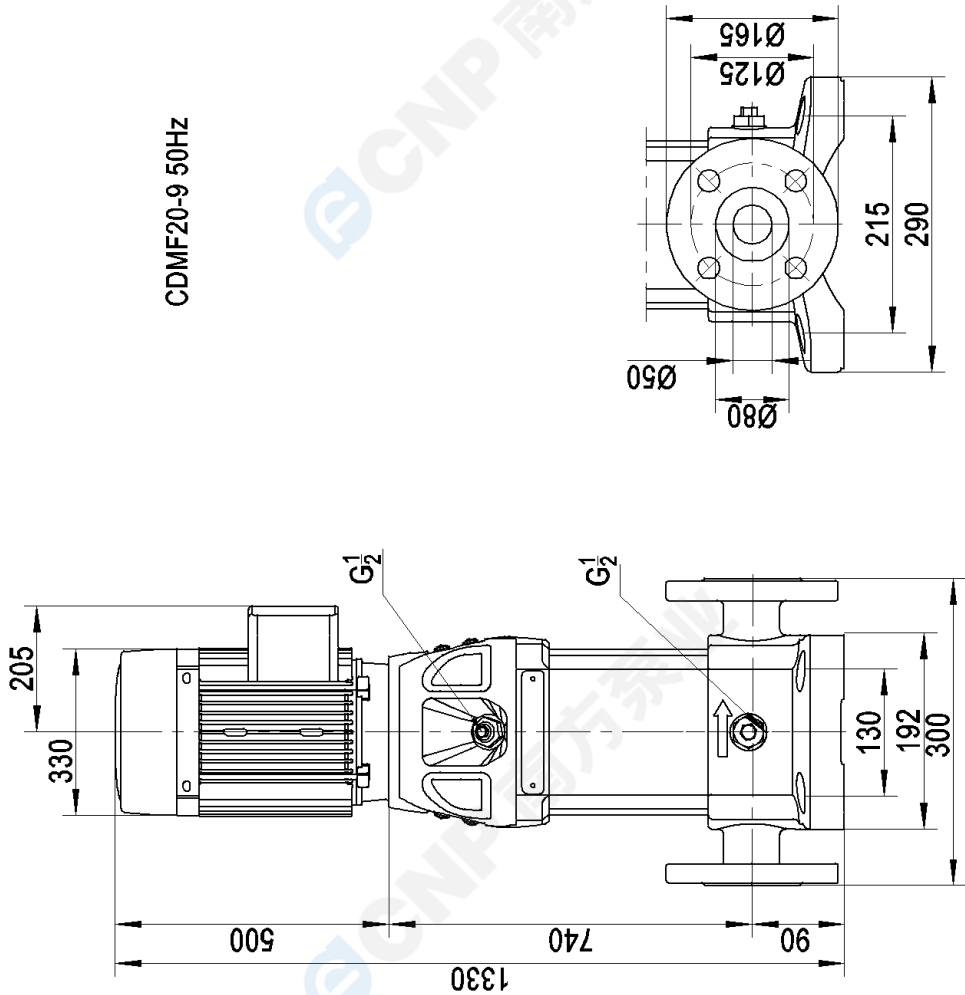
 CNP 南方泵业	Pump Technical Parameters CDM20-9	Manufacturer	Nanfang Pump Industry Co.,Ltd (CNP)
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Rated parameters	
Pump model	CDM20-9
Part NO.	1100090785
Rated flow	20 m³/h
Rated head	107 m
Rated efficiency	72 (%)
Power (kW)	8.1 kW
NPSHr (m)	2.5
Speed (rpm)	2900
Max impeller diameter (mm)	106
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 CDM20-9 pump, plotted against flow rate Q in m^3/h on the x-axis (0 to 24). The y-axes represent Head H in meters (0 to 140), Power P in kW (0 to 10), Efficiency η in percent (0 to 80), and Net Positive Suction Head NPSH in meters (0 to 4). The Head curve starts at approximately 128 m at $Q=0$ and decreases to about 75 m at $Q=24$. The Power curve starts at approximately 3.5 kW at $Q=0$ and increases to about 9 kW at $Q=24$. The Efficiency curve starts at 0% at $Q=0$, peaks at approximately 72% around $Q=20$, and then slightly decreases. The NPSH curve starts at approximately 1.5 m at $Q=0$ and increases to about 4.2 m at $Q=24$.

Q (m^3/h)	H (m)	P (kW)	η (%)	NPSH (m)
0	128	3.5	0	1.5
6	122	4.8	40	1.6
12	115	6.2	60	1.8
18	105	7.5	70	2.2
24	75	9.0	68	4.2

 CNP 南方泵业	Dimension Drawing CDM20-9	Manufacturer	Nanfeng Pump Industry Co.,Ltd (CNP)
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 CNP 南方泵业	Physical picture CDM20-9	Manufacturer	Nanfang Pump Industry Co.,Ltd (CNP)
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 CNP 南方泵业	Order Data CDM20-9	Manufacturer	Nanfang Pump Industry Co.,Ltd (CNP)
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Pump model CDM20-9
Part NO. 1100090785
Product price
Quantity 1
Total price

Inquiry notes