

	Product Information CDMF5-19+CMH5-33	Manufacturer	Nanfeng Pump Industry Co.,Ltd (CNP)
		Address	Hangzhou, Zhejiang, China
		Contact	86-571-88637351
		Date	2025/02/04
		Client Name	dieselpumpasia
Project Name		Client Addr.	
Item NO		Contacts	dpa
		Contact	

Part NO.	1100109151
Product Picture: (Note: Images may not be the same as the product)	Note
	CDMF+CMH series is a new generation of high-efficiency non-self-priming high-pressure pump independently developed with reference to European standards. The product adopts a new industrial design, and the energy efficiency index reaches MEI ≥0.7, which has the characteristics of energy saving, low noise, environmental protection and compact structure, beautiful appearance, light weight, convenient use and maintenance, and high reliability.

Nameplate parameters

Flow	5 m³/h
Head	320.9 m
Efficiency	69 %
Speed	2900 rpm
Number of stages	19

Technology

Pump rotator speed	2900
--------------------	------

Material

Impeller	304
Rubber code	P
Material Code	S

Installation

Connection Code	K
Installation type	card cover
Maximum Operation Pressure	50bar

Medium

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

Structure dimension

Inlet & outlet size types	DN
Inlet & Outlet Diameter	DN32
Rotation Direction	CDMF rotates anti-clockwise viewing from motor side and CMH rotates clockwise.

Motor

Number of Motor Phase	Three Phase
Protection Class	IP55
Insulation Class	F
Motor Power(kW)	3+5.5KW
Energy Efficiency Level	IE3

Seal

Mechanical Seal	CDLA-12/WB1F14
-----------------	----------------

 CNP 南方泵业	Product Information CDMF5-19+CMH5-33	Manufacturer	Nanfang Pump Industry Co.,Ltd (CNP)
		Address	Hangzhou, Zhejiang, China
		Contact	86-571-88637351
		Date	2025/02/04
Project Name		Client Name	dieselpumpasia
		Client Addr.	
Item NO		Contacts	dpa
		Contact	

Others

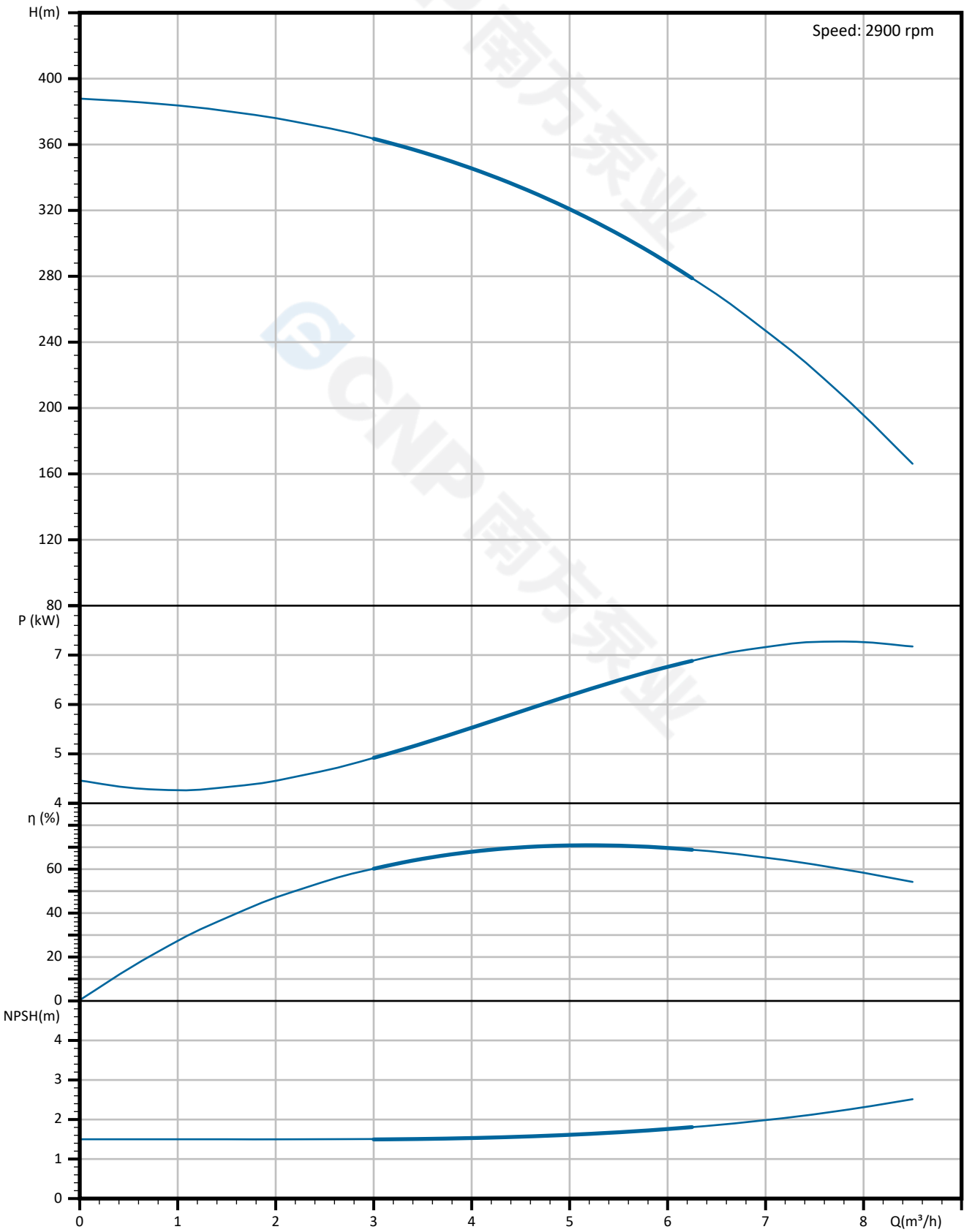
Weight (kg) 115

Structure dimension

Expolded view CMH1,3,5exploded view

	Performance Curve CDMF5-19+CMH5-33	Manufacturer	Nanfang Pump Industry Co.,Ltd (CNP)
		Address	Hangzhou, Zhejiang, China
		Contact	86-571-88637351
		Date	2025/02/04
Project Name		Client Name	dieselpumpasia
Item NO		Client Addr.	
		Contacts	dpa
		Contact	

The hydraulic performance curve have been tested with Clean Water at 20°C, density 1000kg/m³, and at 1bar atmospherical pressure. ISO99062012 Grade 3B



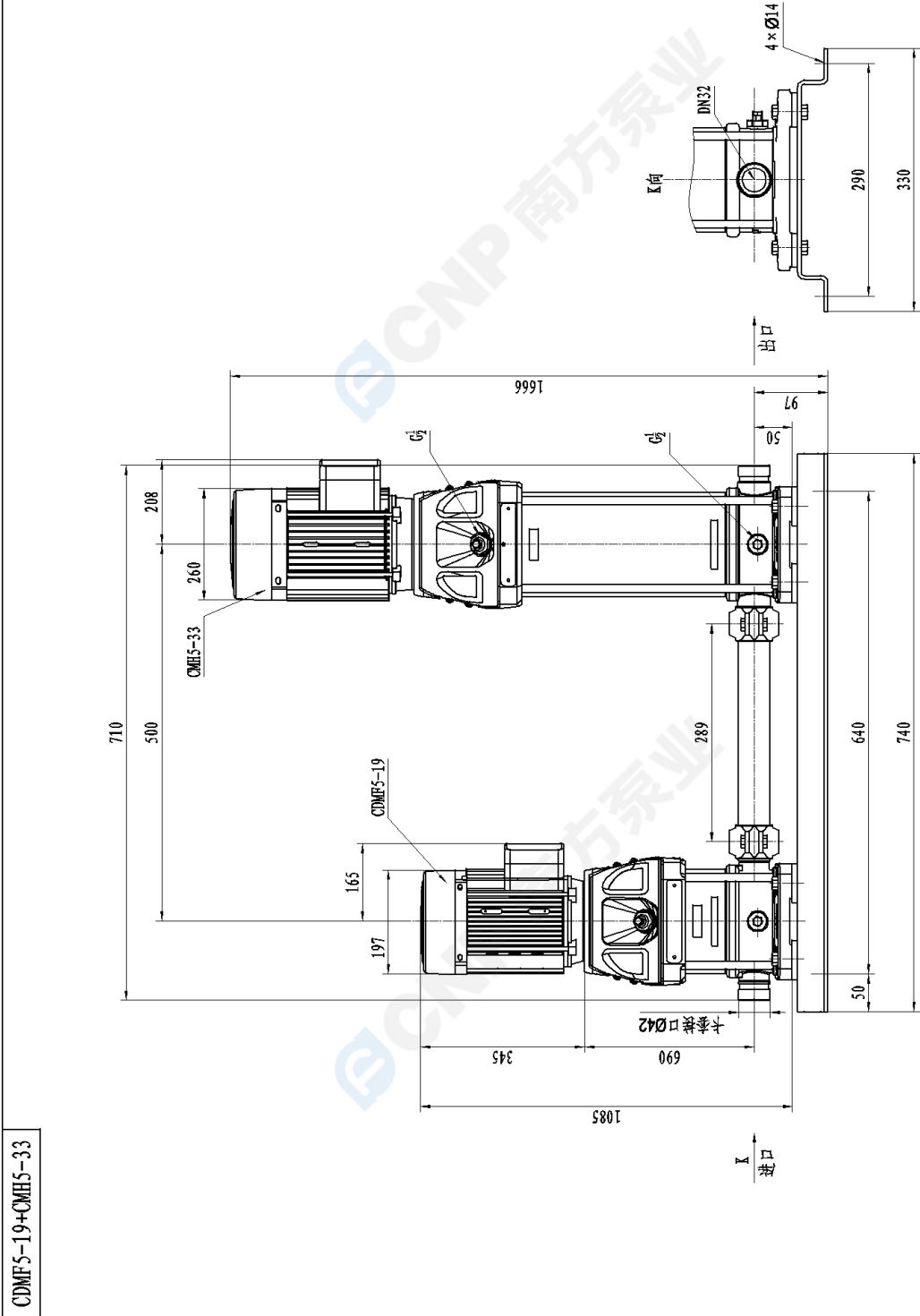
CNP 南方泵业	Pump Technical Parameters	Manufacturer		Nanfang Pump Industry Co.,Ltd (CNP)	
		Address		Hangzhou, Zhejiang, China	
		Contact		86-571-88637351	
		Date		2025/02/04	
		Client Name		dieselpumpasia	
Project Name		Client Addr.			
Item NO		Contacts		dpa	
		Contact			

Rated parameters	
Pump model	CDMF5-19+CMH5-33
Part NO.	1100109151
Rated flow	5 m³/h
Rated head	320.9 m
Rated efficiency	69 (%)
Power (kW)	6.34 kW
NPSHr (m)	1.6
Speed (rpm)	2900
Max impeller diameter (mm)	82
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 pump CDMF5-19+CMH5-33, plotted against flow rate Q in m^3/h on the x-axis (0 to 8).

- Head H (m) vs Flow Q (m^3/h):** The head decreases from approximately 390 m at 0 m^3/h to about 165 m at 8 m^3/h . The rated head of 320.9 m is achieved at the rated flow of 5 m^3/h .
- Power P (kW) vs Flow Q (m^3/h):** The power increases from approximately 4.5 kW at 0 m^3/h to about 7.5 kW at 8 m^3/h . The rated power of 6.34 kW is achieved at the rated flow of 5 m^3/h .
- Efficiency η (%) vs Flow Q (m^3/h):** The efficiency starts at 0% at 0 m^3/h , peaks at approximately 70% around 5 m^3/h , and then slightly declines to about 55% at 8 m^3/h . The rated efficiency of 69% is achieved at the rated flow of 5 m^3/h .
- NPSH (m) vs Flow Q (m^3/h):** The required NPSH is constant at 1.6 m for flow rates up to about 6 m^3/h , then increases to about 2.5 m at 8 m^3/h .

	Dimension Drawing CDMF5-19+CMH5-33	Manufacturer	Nanfang Pump Industry Co.,Ltd (CNP)
		Address	Hangzhou, Zhejiang, China
		Contact	86-571-88637351
		Date	2025/02/04
Project Name		Client Name	dieselpumpasia
Item NO		Client Addr.	
		Contacts	dpa
		Contact	



 CNP 南方泵业	Explosed view CDMF5-19+CMH5-33	Manufacturer	Nanfeng Pump Industry Co.,Ltd (CNP)
		Address	Hangzhou, Zhejiang, China
		Contact	86-571-88637351
		Date	2025/02/04
Project Name		Client Name	dieselpumpasia
Item NO		Client Addr.	
		Contacts	dpa
		Contact	



 CNP 南方泵业	Physical picture CDMF5-19+CMH5-33	Manufacturer	Nanfeng Pump Industry Co.,Ltd (CNP)
		Address	Hangzhou, Zhejiang, China
		Contact	86-571-88637351
		Date	2025/02/04
		Client Name	dieselpumpasia
Project Name		Client Addr.	
Item NO		Contacts	dpa
		Contact	



 CNP 南方泵业	Order Data CDMF5-19+CMH5-33	Manufacturer	Nanfang Pump Industry Co.,Ltd (CNP)
		Address	Hangzhou, Zhejiang, China
		Contact	86-571-88637351
		Date	2025/02/04
		Client Name	dieselpumpasia
Project Name		Client Addr.	
Item NO		Contacts	dpa
		Contact	

Pump model CDMF5-19+CMH5-33
Part NO. 1100109151
Product price
Quantity 1
Total price

Inquiry notes