	Product Information CDM120-4	Manufacturer	CNP
		Address	Yuhang District, Hangzhou, Zhejiang,
		Contact	86-571-88637351
		Date	2022/07/28
Project Name		Client Name	DPA
Item NO		Client Addr.	
		Contacts	Alireza
		Contact	

Part NO.	1100106298
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Product Picture	Note
	<p>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.</p>

Nameplate parameters

flow	120 m ³ /h
head	81 m
Efficiency	74.7
speed	2950
number of stages	4

technology

Pump rotator speed	2950
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	25 bar / 120 °C
Maximum Pressure/Temperature	25 bar / -15 °C
Flange Standard	DIN
Pressure Class	PN25-40
Inlet & outlet	DN125

Medium

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

Motor

Number of Motor Phase	Three Phase
Protection Class	IP55
Insulation Class	F
Motor Power	45KW
Power Frequency	50HZ
Rated Voltage (V)	380V
Rated Current (A)	80.8A
Energy Efficiency Level	IE3

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Seal

Mechanical Seal CDLA-32/WBF14

Others

Weight (kg) 460





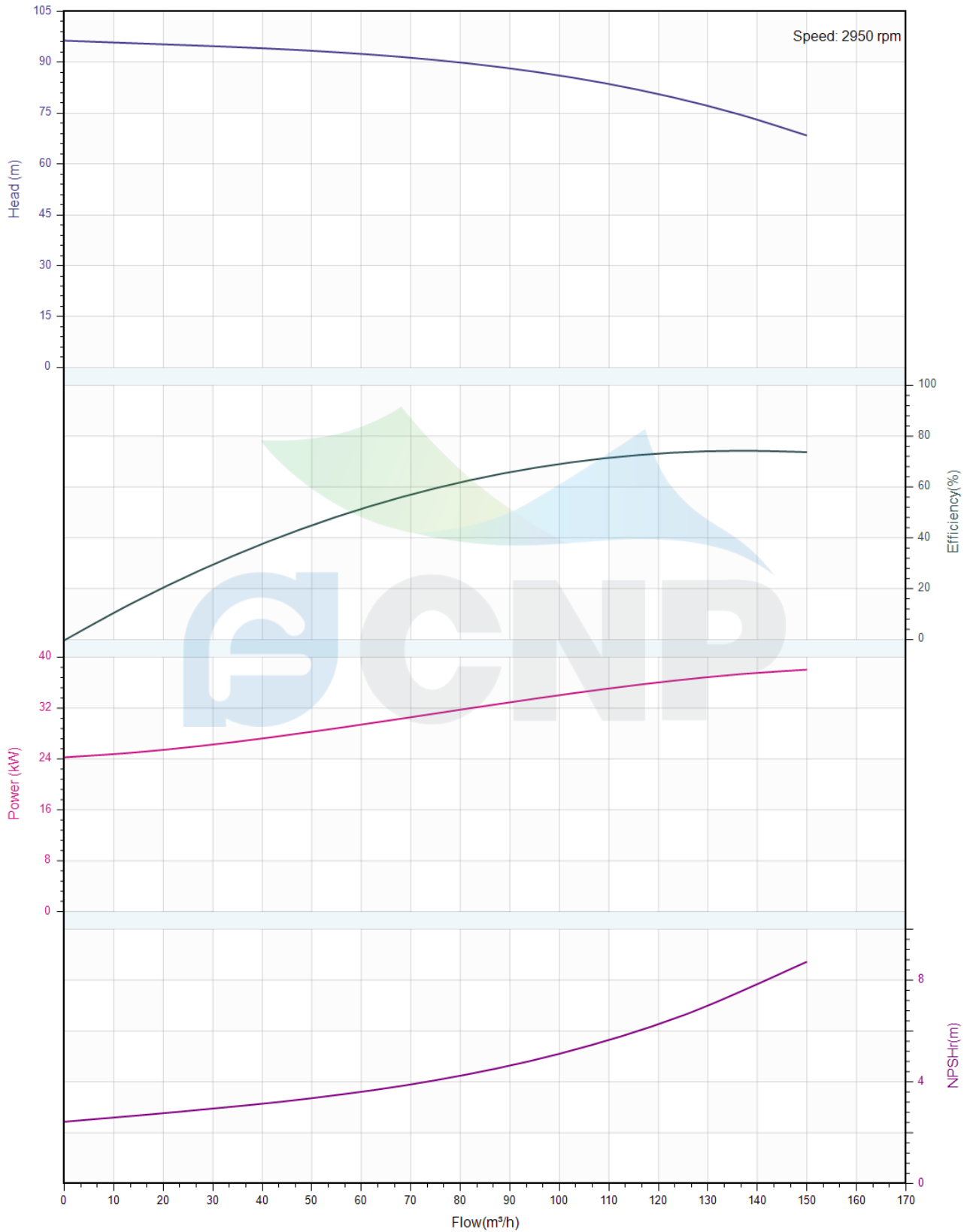
Performance Curve CDM120-4

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The hydraulic performance curve have been tested with Clean Water at 20°C, density 1000kg/m³, and at 1bar atmospheric pressure. GB32162016 Grande 3B





Pump Technical Parameters

CDM120-4

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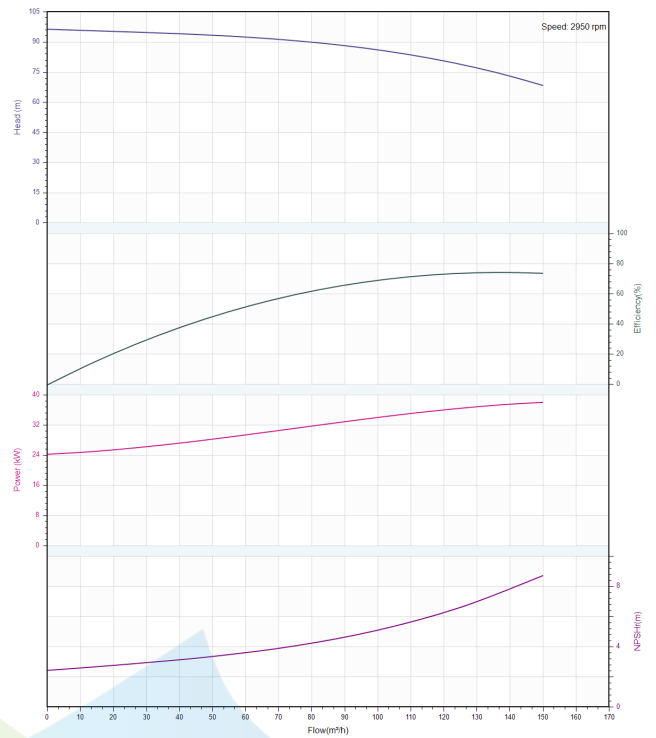
Item NO

Rated parameters

Pump model	CDM120-4
Part NO.	1100106298
Rated flow	120 m ³ /h
Rated head	81 m
Rated efficiency (%)	74.7
Power (kW)	35.5
NPSHr (m)	6
Speed (rpm)	2950
Max impeller diameter (mm)	144

Medium

Pumped medium	Clean Water
Working temperature (°C)	20
Medium density (kg/m ³)	1000
Viscosity (mm ² /s)	1



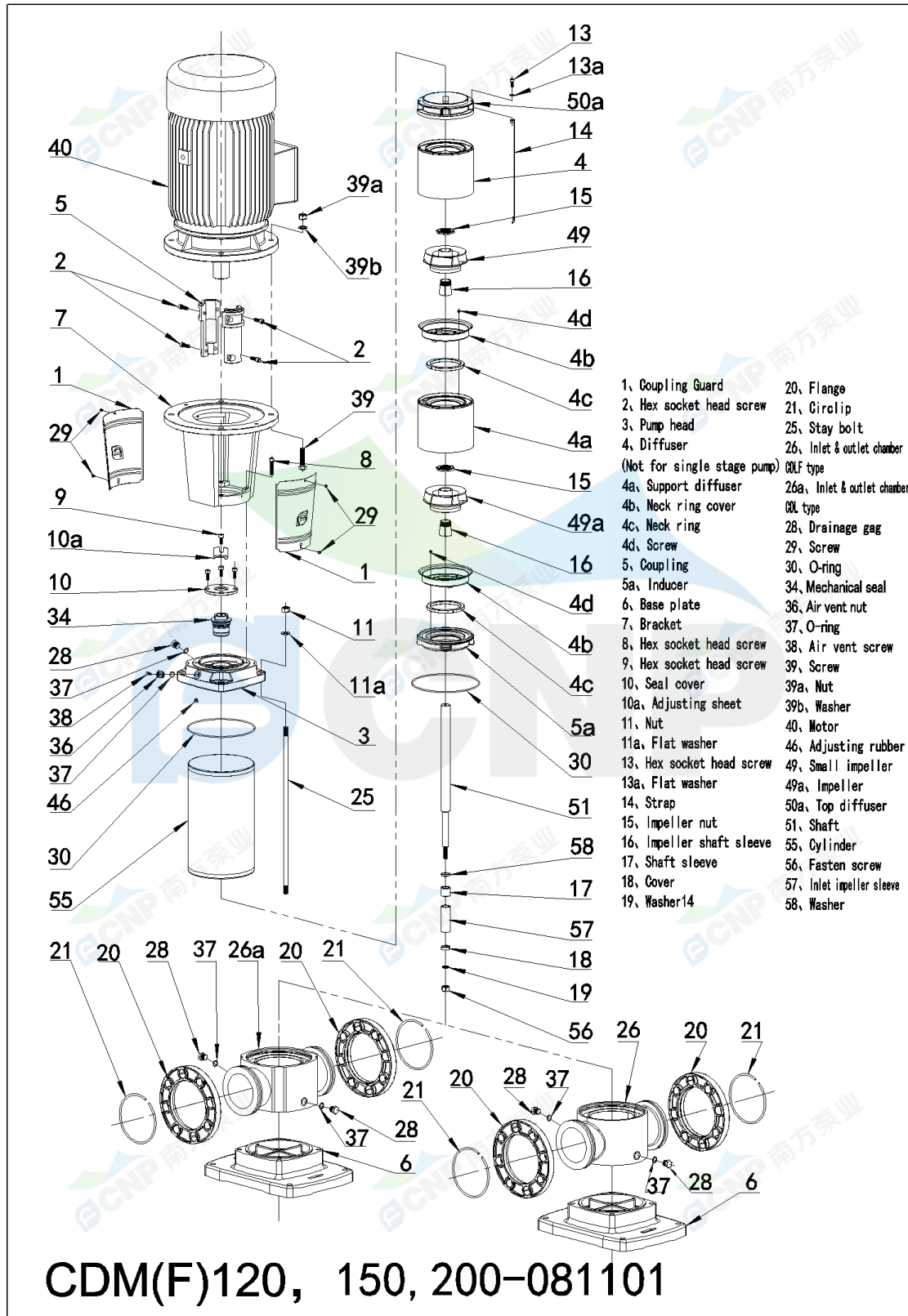


Structure picture
CDM120-4

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- | | |
|--|-----------------------------|
| 1, Coupling Guard | 20, Flange |
| 2, Hex socket head screw | 21, Circlip |
| 3, Pump head | 25, Stay bolt |
| 4, Diffuser | 26, Inlet & outlet chamber |
| (Not for single stage pump) 4a, Support diffuser | 60L type |
| 4b, Neck ring cover | 26a, Inlet & outlet chamber |
| 4c, Neck ring | 60L type |
| 4d, Screw | 28, Drainage gag |
| 5, Coupling | 29, Screw |
| 5a, Inducer | 30, O-ring |
| 6, Base plate | 34, Mechanical seal |
| 7, Bracket | 35, Air vent nut |
| 8, Hex socket head screw | 37, O-ring |
| 9, Hex socket head screw | 38, Air vent screw |
| 10, Seal cover | 39, Screw |
| 10a, Adjusting sheet | 39a, Nut |
| 11, Nut | 39b, Washer |
| 11a, Flat washer | 40, Motor |
| 13, Hex socket head screw | 46, Adjusting rubber |
| 13a, Flat washer | 49, Small impeller |
| 14, Strap | 49a, Impeller |
| 15, Impeller nut | 50a, Top diffuser |
| 16, Impeller shaft sleeve | 51, Shaft |
| 17, Shaft sleeve | 55, Cylinder |
| 18, Cover | 56, Fasten screw |
| 19, Washer | 57, Inlet impeller sleeve |
| | 58, Washer |



Physical picture
CDM120-4

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