	Product Information CDM3-20	Manufacturer	CNP
		Address	Yuhang District, Hangzhou, Zhejiang,
		Contact	86-571-88637351
		Date	2022/07/26
Project Name		Client Name	DPA
Item NO		Client Addr.	
		Contacts	Alireza
		Contact	

Part NO.	1100090693
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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	3 m ³ /h
head	120 m
Efficiency	58
speed	2900
number of stages	20

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/Temperatu	23 bar / 120 °C
Maximum Pressure/Temperatu	23bar / -15 °C
Flange Standard	DIN
Pressure Class	PN25
Inlet & outlet	DN25

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	2.2KW
Power Frequency	50HZ
Rated Voltage (V)	220/380V
Rated Current (A)	7.9/4.6A
Energy Efficiency Level	IE3

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Seal

Mechanical Seal CDLA-12/WBF14

Others

Weight (kg) 40





Performance Curve

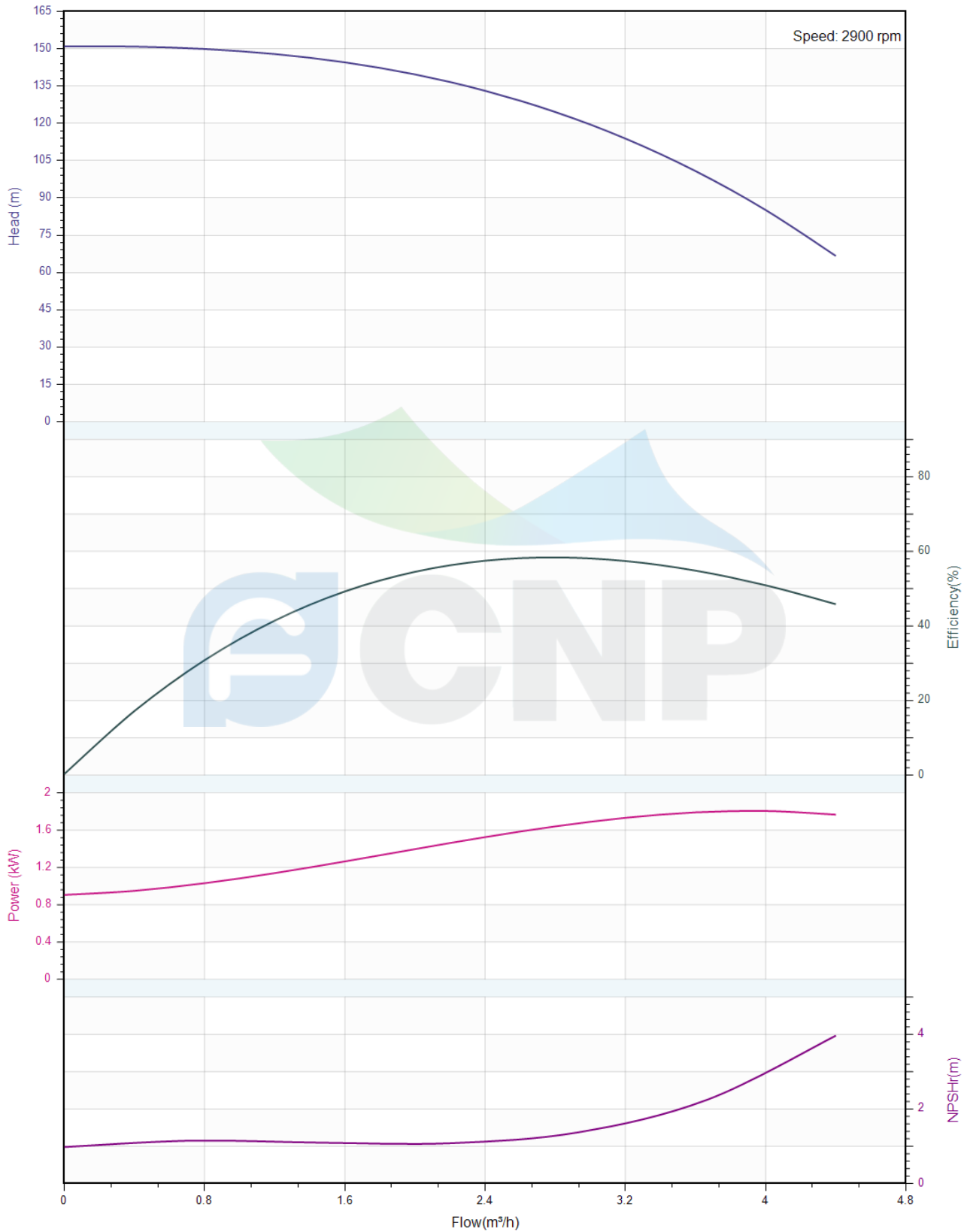
CDM3-20

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Item NO

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

CDM3-20

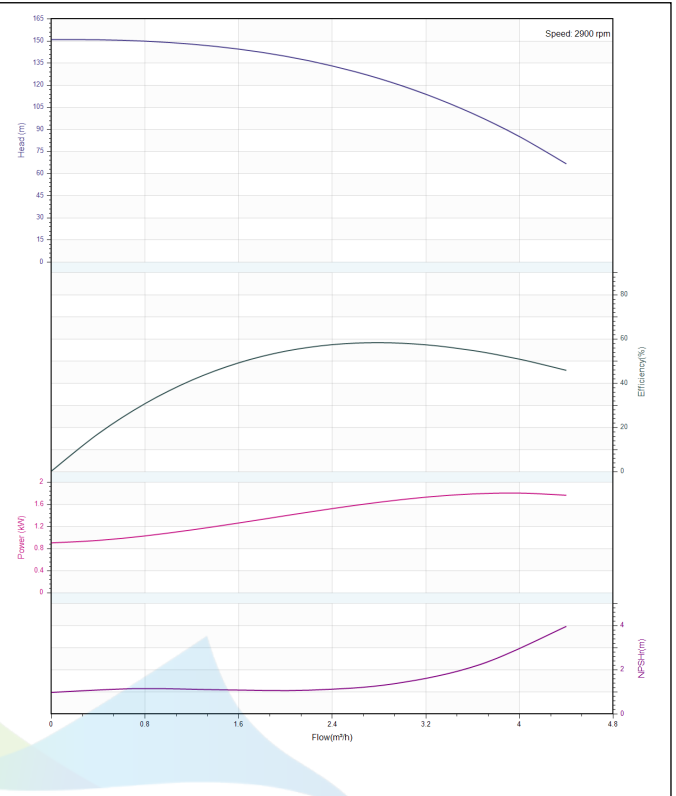
Manufacturer	CNP
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Rated parameters

Pump model	CDM3-20
Part NO.	1100090693
Rated flow	3 m ³ /h
Rated head	120 m
Rated efficiency (%)	58
Power (kW)	1.69
NPSHr (m)	1.4
Speed (rpm)	2900
Max impeller diameter (mm)	82

Medium

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





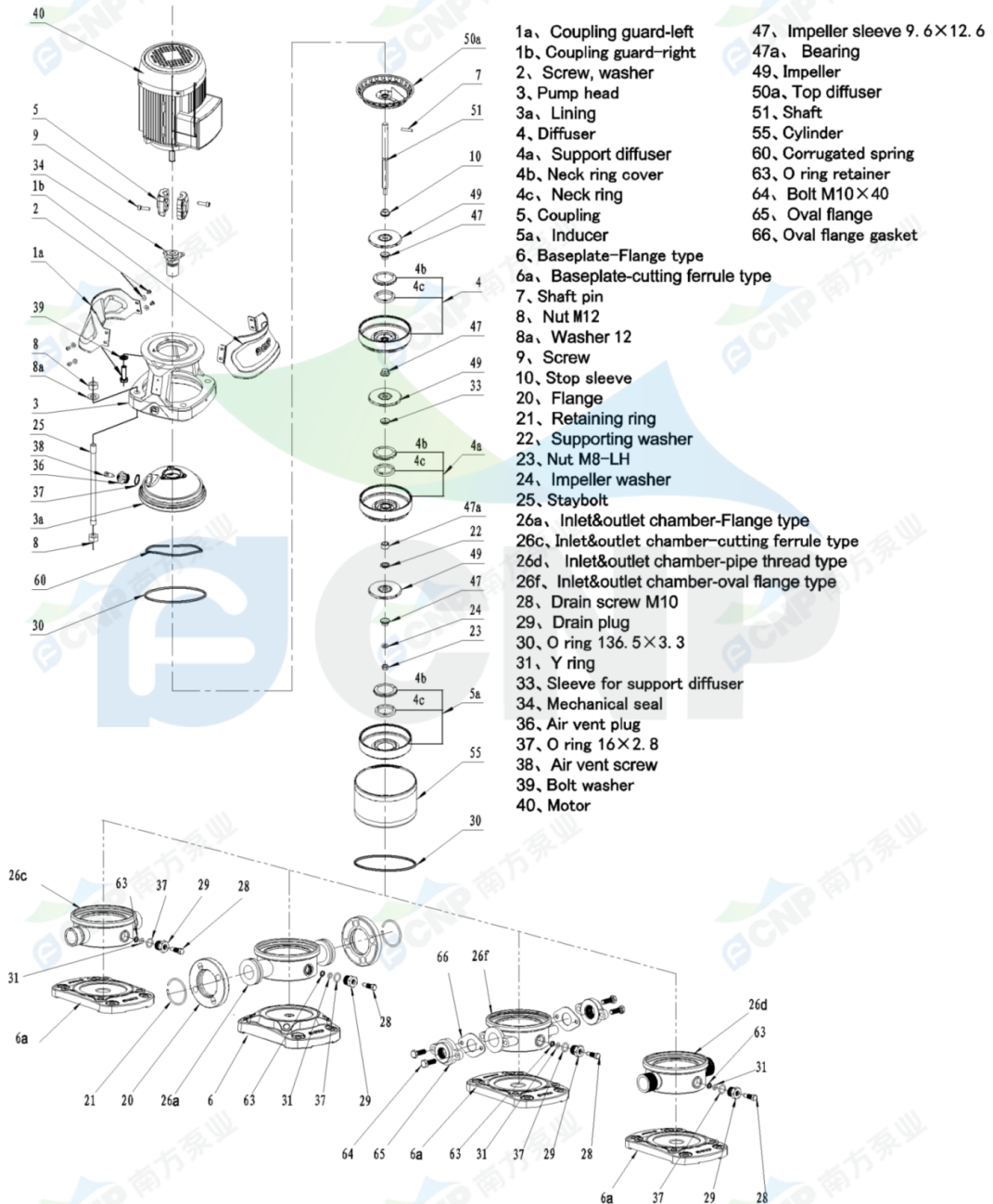
Structure picture CDM3-20

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CDMF1-3



- 1a、 Coupling guard-left
- 1b、 Coupling guard-right
- 2、 Screw, washer
- 3、 Pump head
- 3a、 Lining
- 4、 Diffuser
- 4a、 Support diffuser
- 4b、 Neck ring cover
- 4c、 Neck ring
- 5、 Coupling
- 5a、 Inducer
- 6、 Baseplate-Flange type
- 6a、 Baseplate-cutting ferrule type
- 7、 Shaft pin
- 8、 Nut M12
- 8a、 Washer 12
- 9、 Screw
- 10、 Stop sleeve
- 20、 Flange
- 21、 Retaining ring
- 22、 Supporting washer
- 23、 Nut M8-LH
- 24、 Impeller washer
- 25、 Staybolt
- 26a、 Inlet&outlet chamber-Flange type
- 26c、 Inlet&outlet chamber-cutting ferrule type
- 26d、 Inlet&outlet chamber-pipe thread type
- 26f、 Inlet&outlet chamber-oval flange type
- 28、 Drain screw M10
- 29、 Drain plug
- 30、 O ring 136.5×3.3
- 31、 Y ring
- 33、 Sleeve for support diffuser
- 34、 Mechanical seal
- 36、 Air vent plug
- 37、 O ring 16×2.8
- 38、 Air vent screw
- 39、 Bolt washer
- 40、 Motor
- 47、 Impeller sleeve 9.6×12.6
- 47a、 Bearing
- 49、 Impeller
- 50a、 Top diffuser
- 51、 Shaft
- 55、 Cylinder
- 60、 Corrugated spring
- 63、 O ring retainer
- 64、 Bolt M10×40
- 65、 Oval flange
- 66、 Oval flange gasket



Physical picture
CDM3-20

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