	Product Information CDM10-14	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.	1100090752
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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	10 m ³ /h
head	125 m
Efficiency	72
speed	2900
number of stages	14

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/Temperatur	24 bar/120 °C
Maximum Pressure/Temperatur	24 bar/ -15 °C
Flange Standard	DIN
Pressure Class	PN25
Inlet & outlet	DN40

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	5.5KW
Power Frequency	50Hz
Rated Voltage (V)	380V
Rated Current (A)	10.6A
Energy Efficiency Level	IE3

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Seal

Mechanical Seal CDLA-16/WBF14

Others

Weight (kg) 87





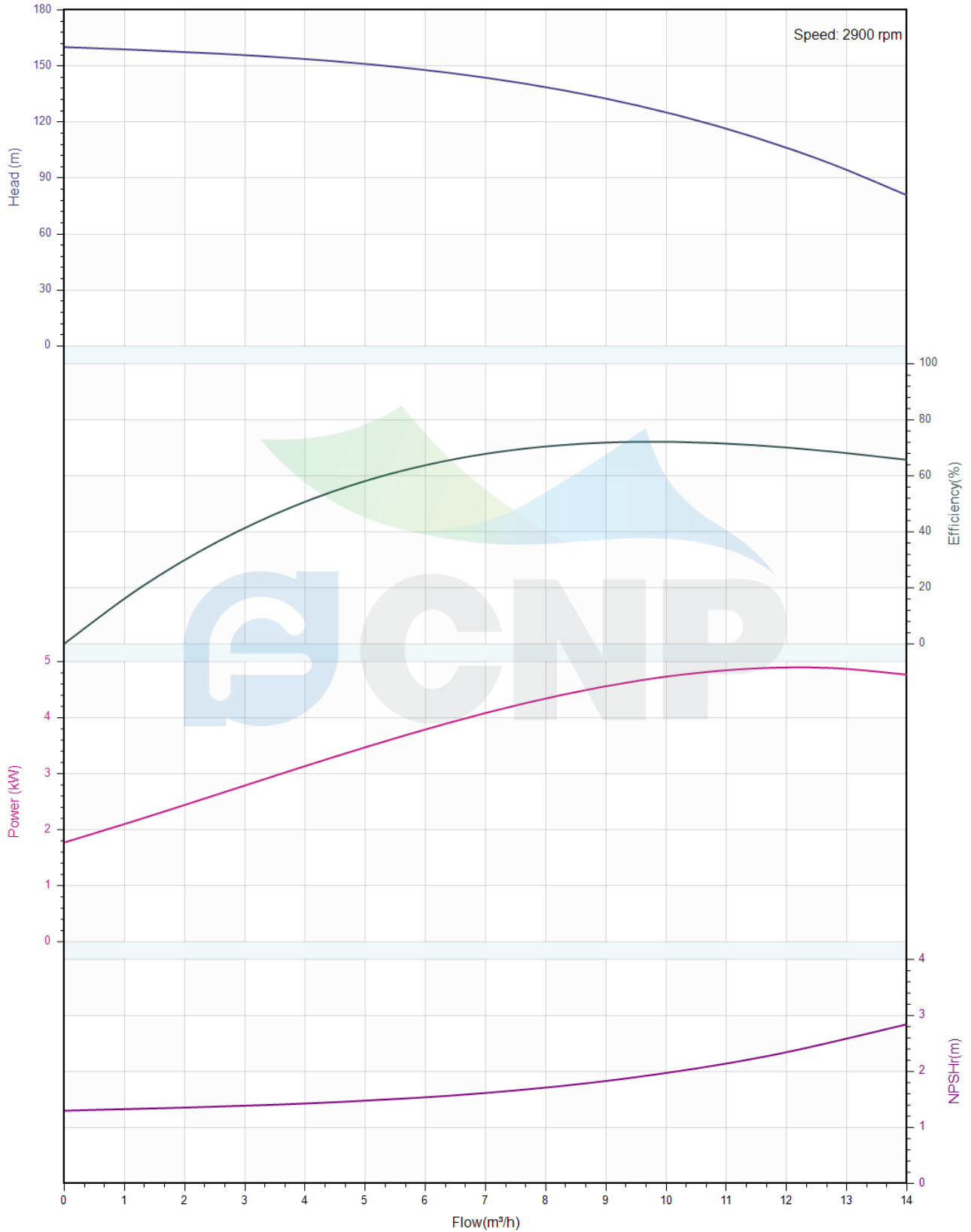
Performance Curve CDM10-14

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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

CDM10-14

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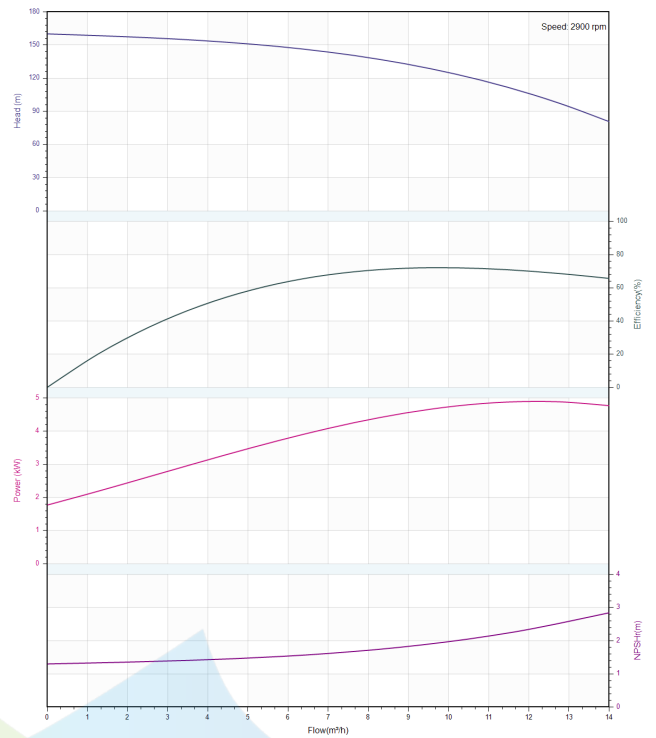
Item NO

Rated parameters

Pump model	CDM10-14
Part NO.	1100090752
Rated flow	10 m ³ /h
Rated head	125 m
Rated efficiency (%)	72
Power (kW)	4.73
NPSHr (m)	2
Speed (rpm)	2900
Max impeller diameter (mm)	100

Medium

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



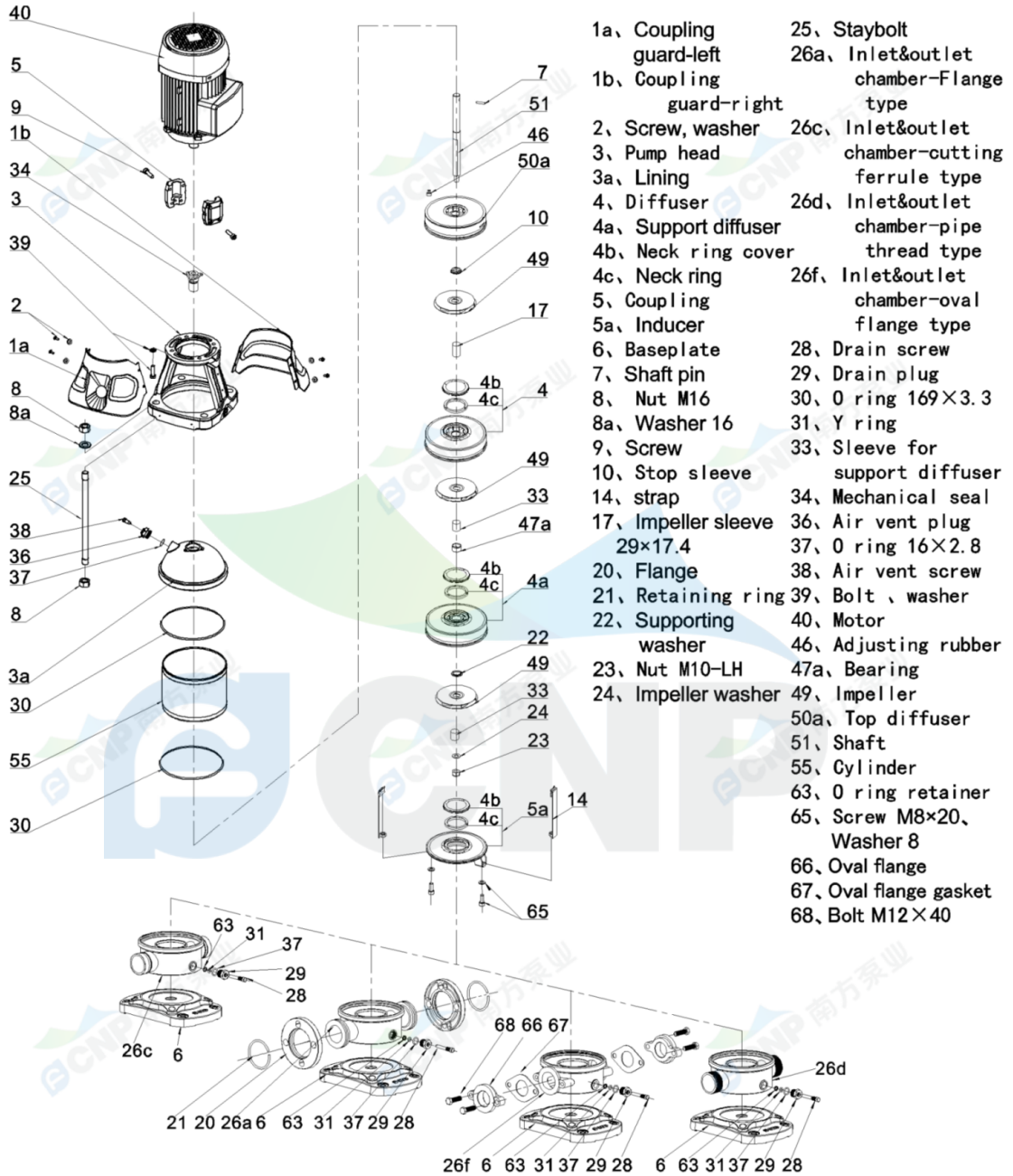


Structure picture
CDM10-14

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- | | |
|-----------------------------|--|
| 1a, Coupling guard-left | 25, Staybolt |
| 1b, Coupling guard-right | 26a, Inlet&outlet chamber-Flange type |
| 2, Screw, washer | 26c, Inlet&outlet chamber-cutting ferrule type |
| 3, Pump head | 26d, Inlet&outlet chamber-pipe thread type |
| 3a, Lining | 26f, Inlet&outlet chamber-oval flange type |
| 4, Diffuser | 28, Drain screw |
| 4a, Support diffuser | 29, Drain plug |
| 4b, Neck ring cover | 30, O ring 169×3.3 |
| 4c, Neck ring | 31, Y ring |
| 5, Coupling | 33, Sleeve for support diffuser |
| 5a, Inducer | 34, Mechanical seal |
| 6, Baseplate | 36, Air vent plug |
| 7, Shaft pin | 37, O ring 16×2.8 |
| 8, Nut M16 | 38, Air vent screw |
| 8a, Washer 16 | 39, Bolt , washer |
| 9, Screw | 40, Motor |
| 10, Stop sleeve | 46, Adjusting rubber |
| 14, strap | 47a, Bearing |
| 17, Impeller sleeve 29×17.4 | 49, Impeller |
| 20, Flange | 50a, Top diffuser |
| 21, Retaining ring | 51, Shaft |
| 22, Supporting washer | 55, Cylinder |
| 23, Nut M10-LH | 63, O ring retainer |
| 24, Impeller washer | 65, Screw M8×20, Washer 8 |
| | 66, Oval flange |
| | 67, Oval flange gasket |
| | 68, Bolt M12×40 |



Physical picture
CDM10-14

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