
	<b>Product Information</b>  <b>CDM10-10</b>	Manufacturer	CNP
		Address	Yuhang District, Hangzhou, Zhejiang,
		Contact	86-571-88637351
		Date	2022/07/26
<b>Project Name</b>		Client Name	DPA
<b>Item NO</b>		Client Addr.	
		Contacts	Alireza
		Contact	

Part NO.	1100090748
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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 <math>MEI \geq 0.7</math>. 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 <sup>3</sup> /h
head	89 m
Efficiency	72
speed	2900
number of stages	10

### 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	24 bar/120 °C
Maximum Pressure/Temperatu	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	4KW
Power Frequency	50Hz
Rated Voltage (V)	380V
Rated Current (A)	7.8A
Energy Efficiency Level	IE3

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**Seal**

Mechanical Seal                      CDLA-16/WBF14

**Others**

Weight (kg)                                64





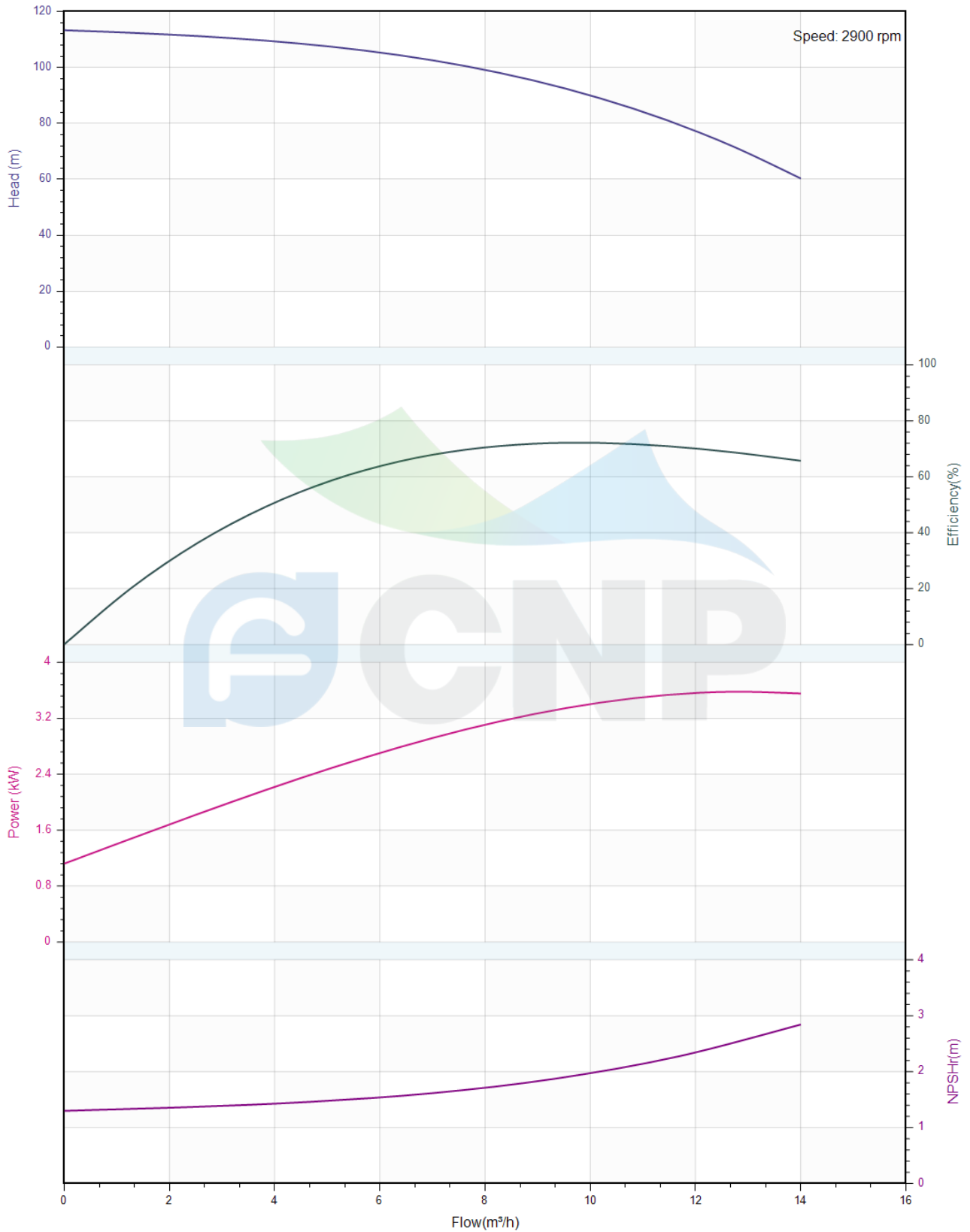
# Performance Curve CDM10-10

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





## Pump Technical Parameters

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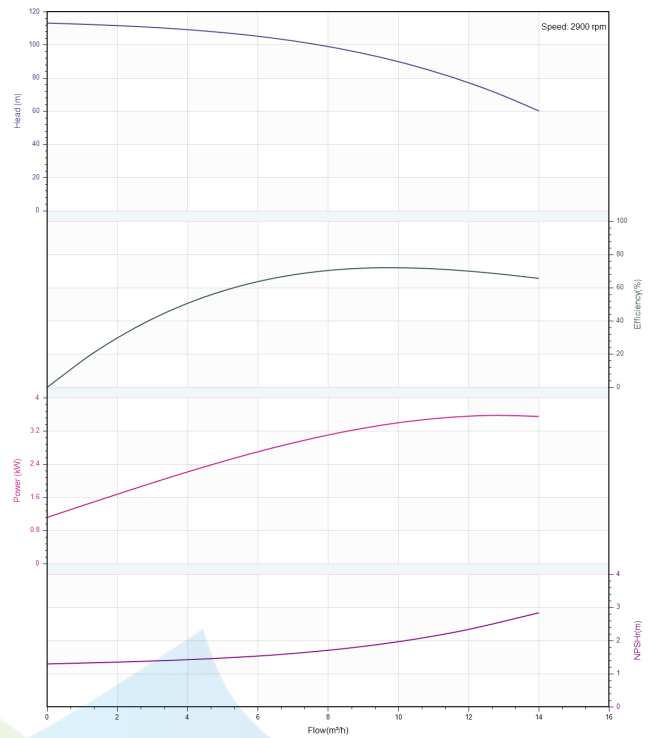
Item NO

#### Rated parameters

Pump model	CDM10-10
Part NO.	1100090748
Rated flow	10 m <sup>3</sup> /h
Rated head	89 m
Rated efficiency (%)	72
Power (kW)	3.37
NPSHr (m)	2
Speed (rpm)	2900
Max impeller diameter (mm)	100

#### Medium

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



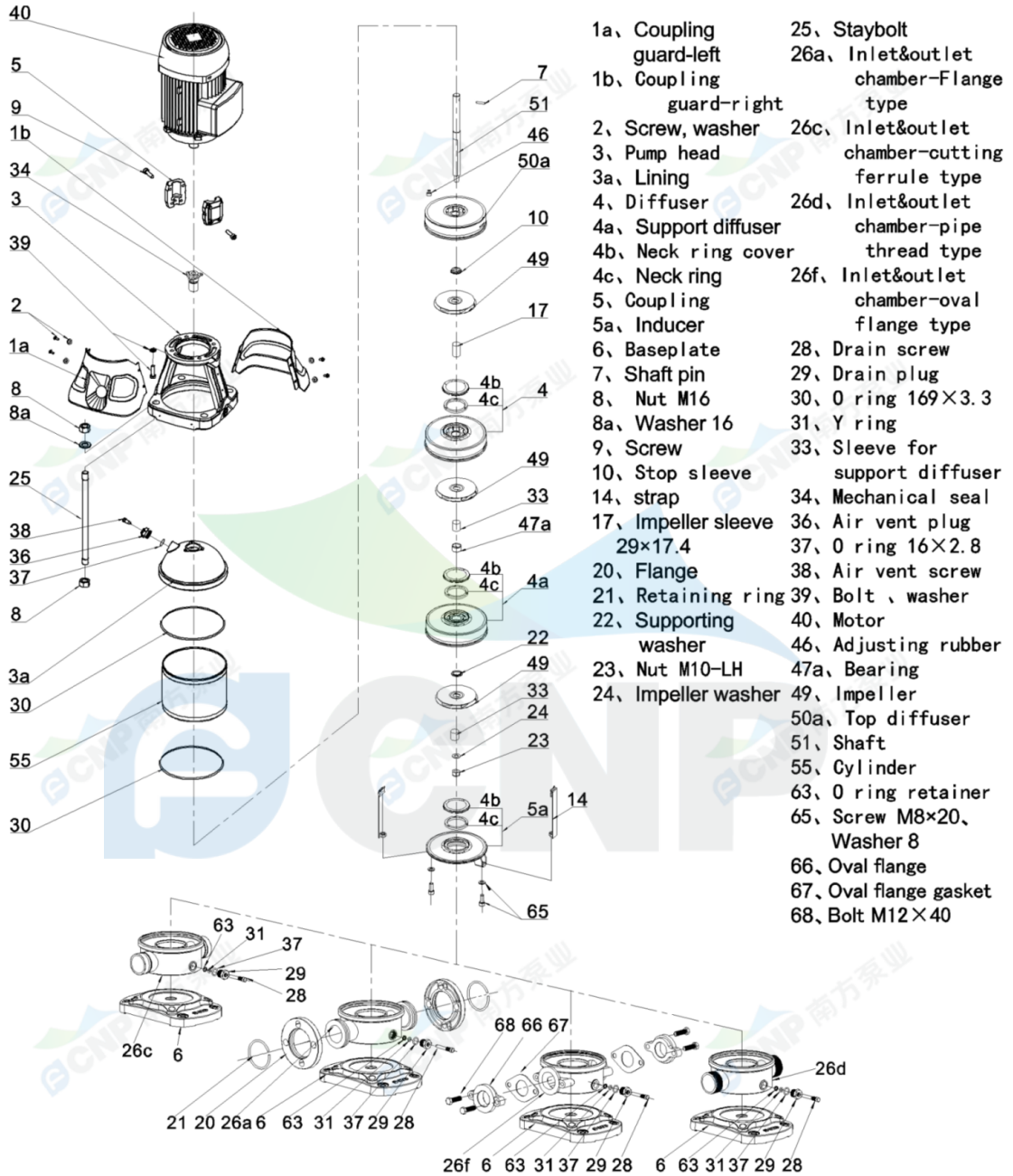


## Structure picture CDM10-10

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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**  
**CDM10-10**

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