


| | | | |
|--|--|--------------|--------------------------------------|
|  | Product Information CDM10-3 | 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. | 1100090741 |
|----------|------------|

| 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 | 25.5 m |
| Efficiency | 72 |
| speed | 2900 |
| number of stages | 3 |

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 | 1.1KW |
| Power Frequency | 50Hz |
| Rated Voltage (V) | 220/380V |
| Rated Current (A) | 4.2/2.4A |
| Energy Efficiency Level | IE3 |

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Seal

Mechanical Seal CDLA-16/WBF14

Others

Weight (kg) 33





Performance Curve

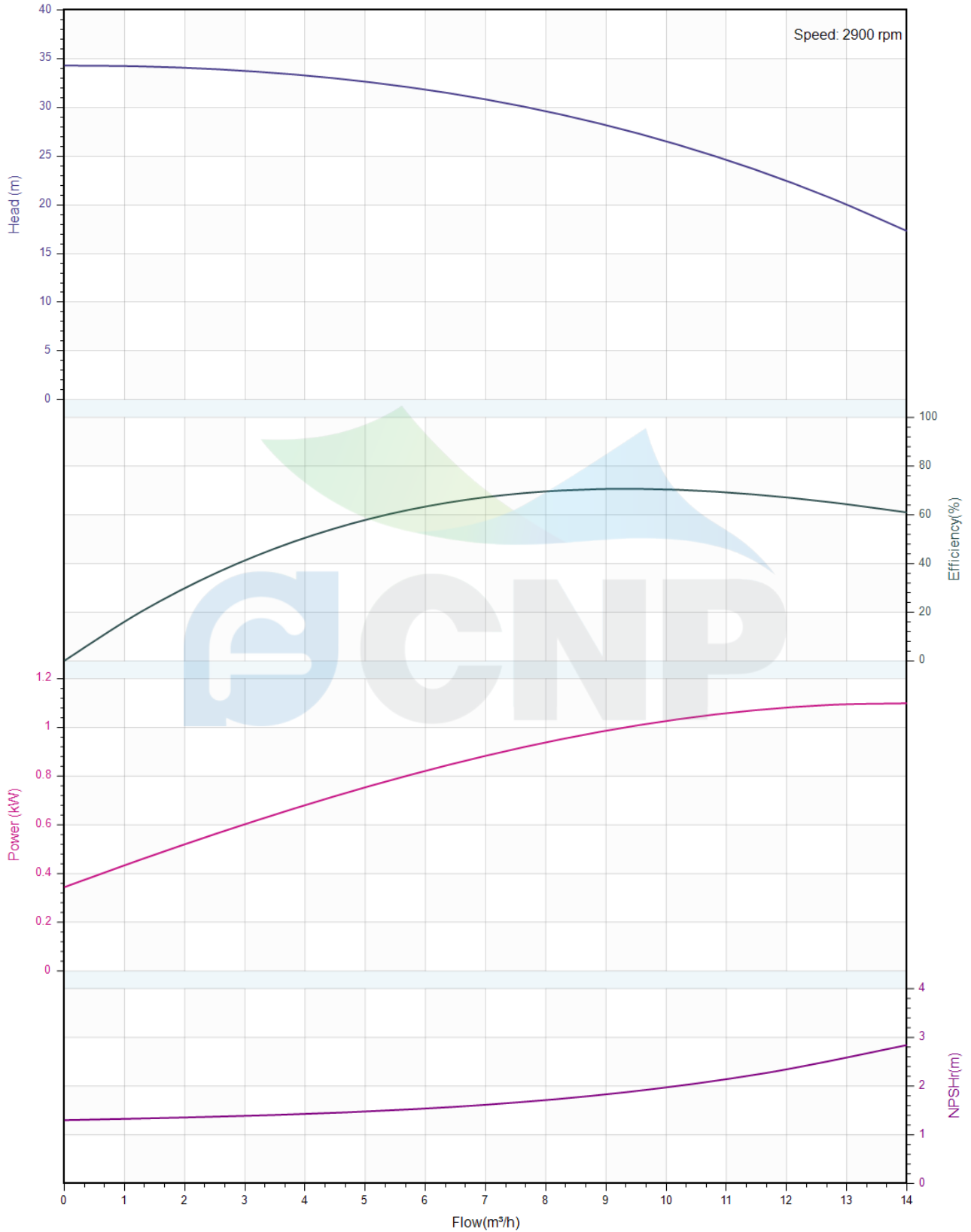
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The hydraulic performance curve have been tested with Clean Water at 20°C, density 1000kg/m³, and at 1bar atmospheric pressure. GB32162016 Grande 3B





Pump Technical Parameters

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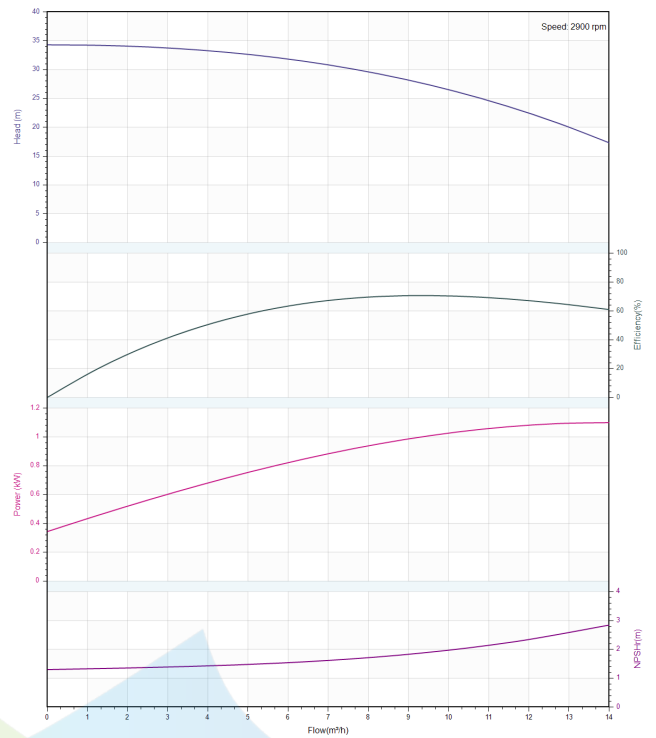
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Rated parameters

| | |
|----------------------------|----------------------|
| Pump model | CDM10-3 |
| Part NO. | 1100090741 |
| Rated flow | 10 m ³ /h |
| Rated head | 25.5 m |
| Rated efficiency (%) | 72 |
| Power (kW) | 0.97 |
| 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 |



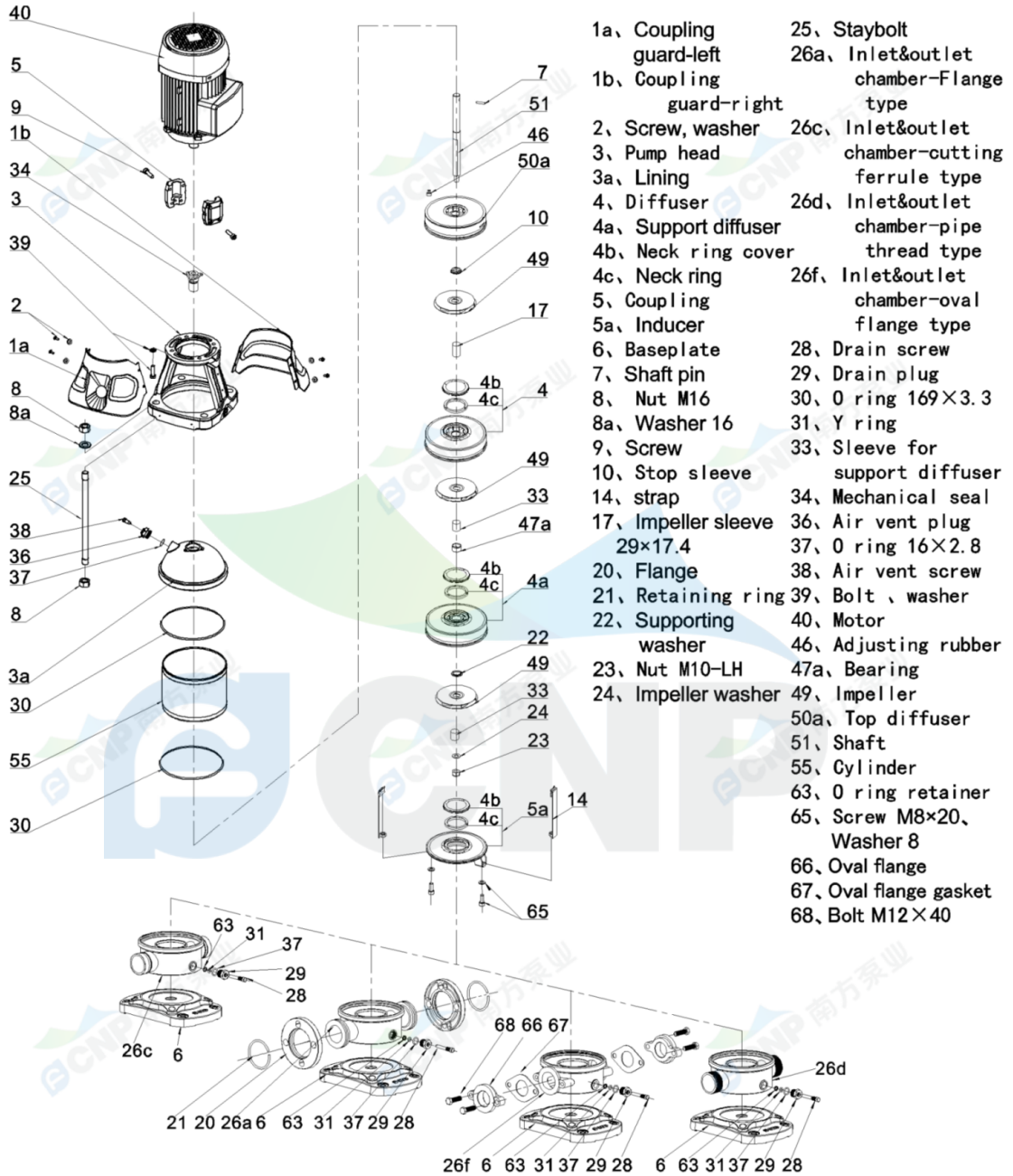


Structure picture CDM10-3

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- 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
- 7, Shaft pin
- 8, Nut M16
- 8a, Washer 16
- 9, Screw
- 10, Stop sleeve
- 14, strap
- 17, Impeller sleeve 29×17.4
- 20, Flange
- 21, Retaining ring
- 22, Supporting washer
- 23, Nut M10-LH
- 24, Impeller washer
- 25, Staybolt
- 26a, Inlet&outlet chamber-Flange type
- 26b, Inlet&outlet chamber-cutting ferrule type
- 26c, Inlet&outlet chamber-oval flange type
- 26d, Inlet&outlet chamber-pipe thread type
- 26f, Inlet&outlet chamber-oval flange type
- 28, Drain screw
- 29, Drain plug
- 30, O ring 169×3.3
- 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
- 46, Adjusting rubber
- 47a, Bearing
- 49, Impeller
- 50a, Top diffuser
- 51, Shaft
- 55, Cylinder
- 63, O ring retainer
- 65, Screw M8×20, Washer 8
- 66, Oval flange
- 67, Oval flange gasket
- 68, Bolt M12×40



Physical picture
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