


| | | | |
|--|--|--------------|--------------------------------------|
|  | Product Information CDM85-3 | 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. | 1100105179 |
|----------|------------|

| 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 | 85 m ³ /h |
| head | 64 m |
| Efficiency | 73.9 |
| 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/Temperature | 25 bar / 120 °C |
| Maximum Pressure/Temperature | 25 bar / -15 °C |
| Flange Standard | DIN |
| Pressure Class | PN16 |
| Inlet & outlet | DN100 |

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 | 22KW |
| Power Frequency | 50HZ |
| Rated Voltage (V) | 380V |
| Rated Current (A) | 40.5A |
| Energy Efficiency Level | IE3 |

| | | | |
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Seal

Mechanical Seal CDLA-22/WBF14

Others

Weight (kg) 252





Performance Curve

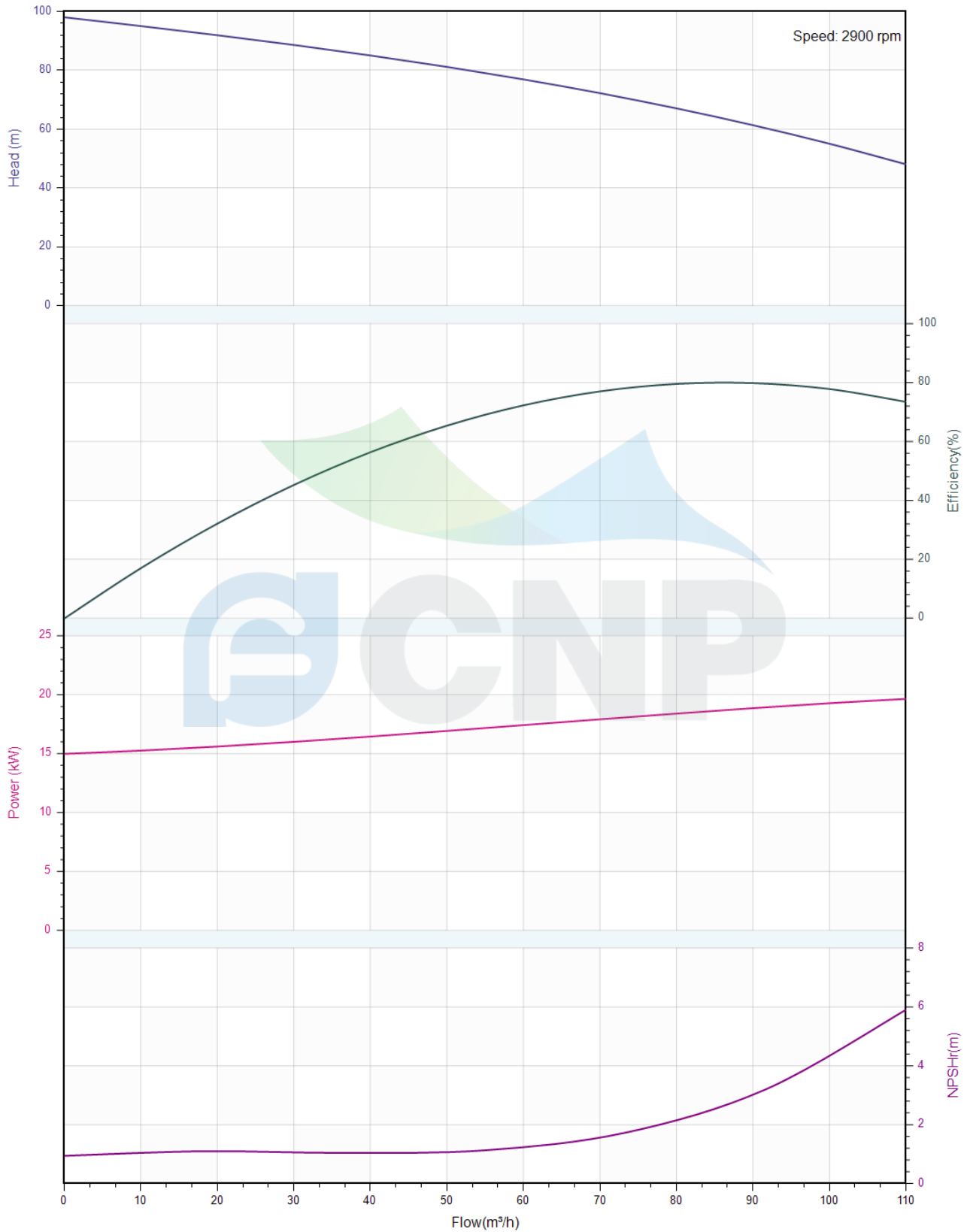
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The hydraulic performance curve have been tested with Clean Water at 20°C, density 1000kg/m³, and at 1bar atmospheric pressure. GB32162016 Grande 3B





Pump Technical Parameters

CDM85-3

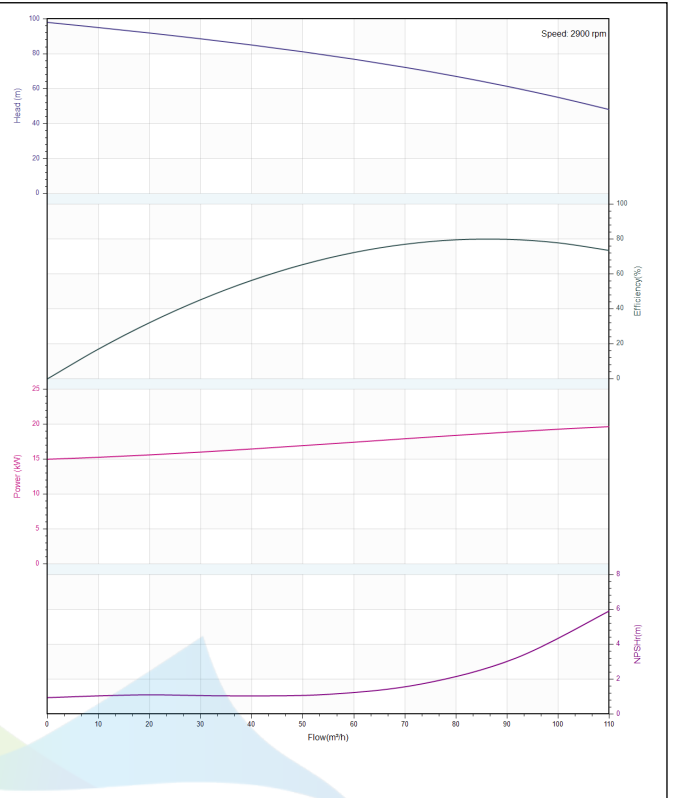
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Rated parameters

| | |
|----------------------------|----------------------|
| Pump model | CDM85-3 |
| Part NO. | 1100105179 |
| Rated flow | 85 m ³ /h |
| Rated head | 64 m |
| Rated efficiency (%) | 73.9 |
| Power (kW) | 20 |
| NPSHr (m) | 2.5 |
| Speed (rpm) | 2900 |
| Max impeller diameter (mm) | 146 |

Medium

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





Structure picture
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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 |
| (no with single-stage pump) | COLF type |
| 4a, Support diffuser | 26b, Inlet & outlet chamber |
| (Not for 1 or 2 stages pump) | COL type |
| 4b, Neck ring base assembly | 28, Drainage screw |
| 5, Coupling | 29, Screw |
| 5a, Inducer | 30, O ring |
| 6, Base plate | 34, Mechanical seal |
| 7, Bracket | 36, 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 |
| 11, Nut | 39a, Nut |
| 11a, Flat washer | 39b, Washer |
| 13, Hex socket head screw | 40, Motor |
| 13a, Flat washer | 44, Washer |
| 14, Strap | 45, Hex socket head screw |
| 15, Impeller nut | 46, Adjusting rubber |
| 15a, Impeller nut | 47, Bottom bearing |
| for support diffuser | 47a, Bottom sleeve |
| (Not for 1 or 2 stages pump) | 49, Small impeller |
| 16, Cone | 49a, Impeller |
| 17, Intermediate bearing | 49b, Ring for |
| (Not for 1 or 2 stages pump) | 50a, Top diffuser |
| 18, Cover | 51, Shaft |
| 19, Flat washer | 55, Cylinder |
| 19a, Hex socket head screw | |



Physical picture
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