




**Product Information**  
**CDM1-38**

|              |                                      |
|--------------|--------------------------------------|
| Manufacturer | CNP                                  |
| Address      | Yuhang District, Hangzhou, Zhejiang, |
| Contact      | 86-571-88637351                      |
| Date         | 2022/07/26                           |
| Client Name  | DPA                                  |
| Client Addr. |                                      |
| Contacts     | Alireza                              |
| Contact      |                                      |

|          |            |
|----------|------------|
| Part NO. | 1100095501 |
|----------|------------|

| 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             | 1 m <sup>3</sup> /h |
| head             | 215 m               |
| Efficiency       | 41                  |
| speed            | 2900                |
| number of stages | 38                  |

**technology**

|                     |      |
|---------------------|------|
| Pump rotator speed  | 2900 |
| Nameplate standards | CE   |
| Pump version        | 2    |

**Material**

|                      |       |
|----------------------|-------|
| Impeller             | 304   |
| Rubber code          | P     |
| Inlet&outlet chamber | HT200 |
| Material Code        | P     |

**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             | 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        | IP64        |
| 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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| <b>Project Name</b>  |  | Client Name  | DPA                                  |
|  |  | Client Addr. |                                      |
| <b>Item NO</b>   |  | Contacts     | Alireza                              |
|  |  | Contact      |                                      |

**Seal**

Mechanical Seal                      CDLA-12/WBF14

**Others**

Weight (kg)                                51





# Performance Curve

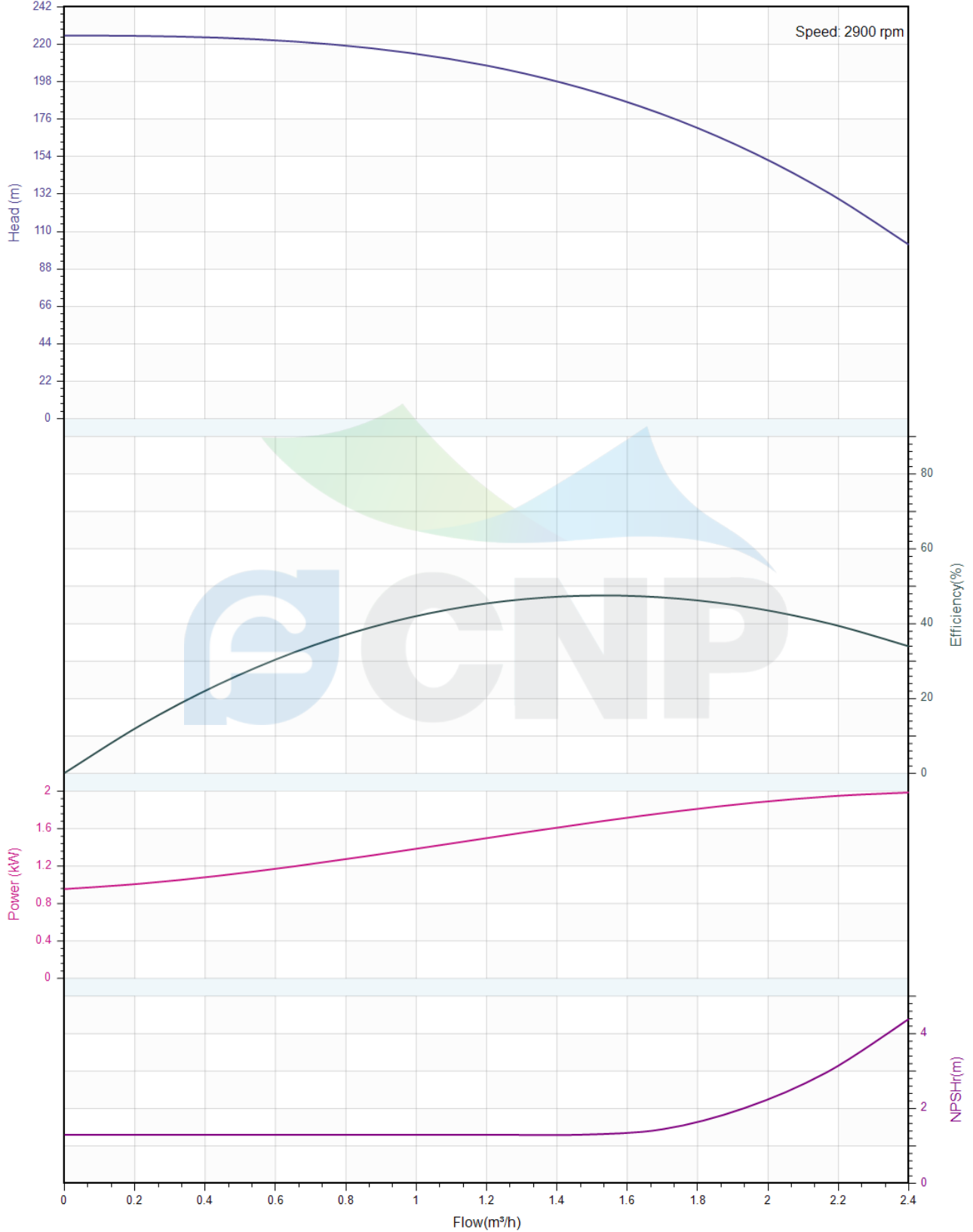
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The hydraulic performance curve have been tested with Clean Water at 20°C, density 1000kg/m<sup>3</sup>, and at 1bar atmospheric pressure. GB32162016 Grande 3B





## Pump Technical Parameters

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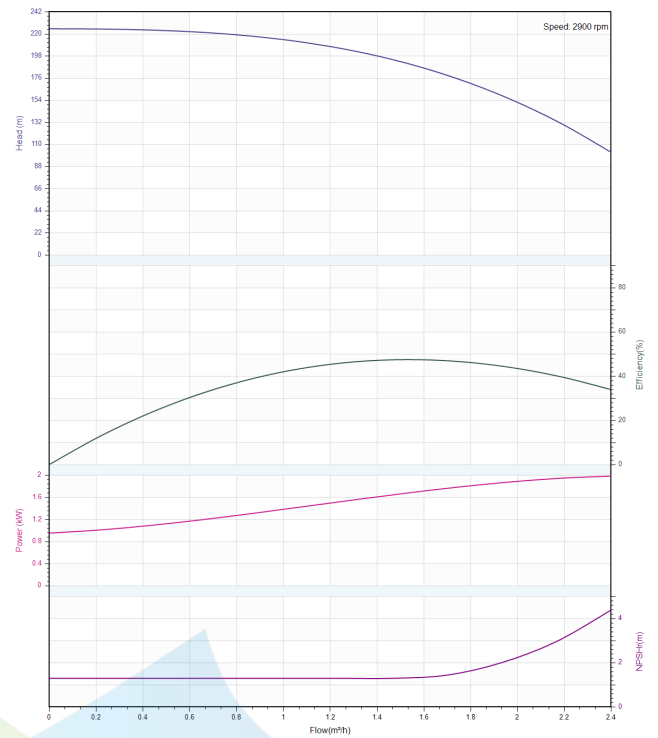
Item NO

#### Rated parameters

|                            |                     |
|----------------------------|---------------------|
| Pump model                 | CDM1-38             |
| Part NO.                   | 1100095501          |
| Rated flow                 | 1 m <sup>3</sup> /h |
| Rated head                 | 215 m               |
| Rated efficiency (%)       | 41                  |
| Power (kW)                 | 1.39                |
| NPSHr (m)                  | 1.3                 |
| Speed (rpm)                | 2900                |
| Max impeller diameter (mm) | 74.5                |

#### Medium

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



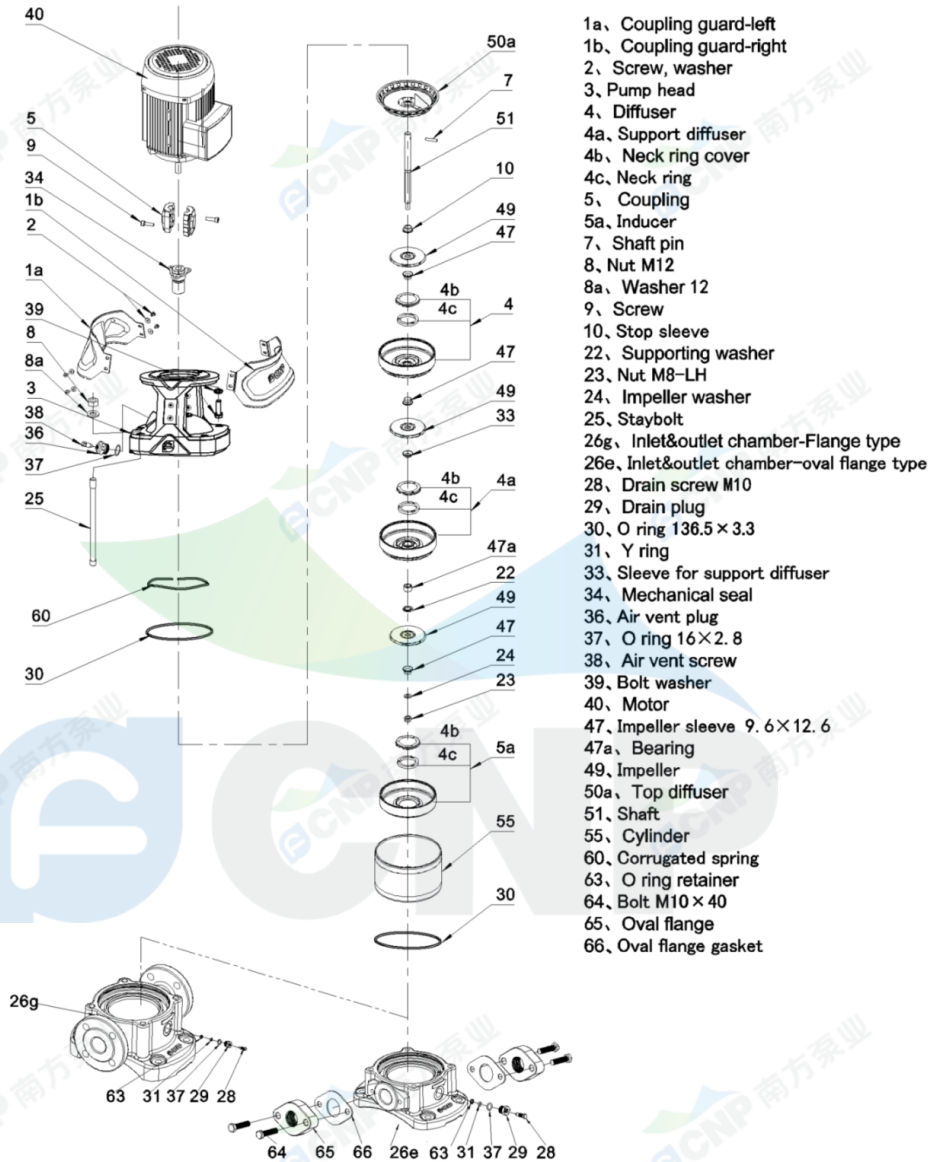


### Structure picture CDM1-38

|              |                                      |
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**Physical picture**  
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