


|  |   |              |                                      |
|--|---|--------------|--------------------------------------|
|  | <b>Product Information</b><br><br><b>CDM32-10-2</b> | Manufacturer | CNP                                  |
|  |   | Address      | Yuhang District, Hangzhou, Zhejiang, |
|  |   | Contact      | 86-571-88637351                      |
|  |   | Date         | 2022/07/26                           |
| <b>Project Name</b>  |   | Client Name  | DPA                                  |
|  |   | Client Addr. |                                      |
| <b>Item NO</b>   |   | Contacts     | Alireza                              |
|  |   | Contact      |                                      |

|          |            |
|----------|------------|
| Part NO. | 1100104891 |
|----------|------------|

| 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             | 32 m <sup>3</sup> /h |
| head             | 131 m                |
| Efficiency       | 68.2                 |
| 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/Temperature | 25 bar / 120 °C |
| Maximum Pressure/Temperature | 25 bar / -15 °C |
| Flange Standard              | DIN             |
| Pressure Class               | PN25-40         |
| Inlet & outlet               | DN65            |

### 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             | 18.5KW      |
| Power Frequency         | 50HZ        |
| Rated Voltage (V)       | 380V        |
| Rated Current (A)       | 34.2A       |
| Energy Efficiency Level | IE3         |

|  |   |              |                                      |
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|  |   | Contact      |                                      |

**Seal**

Mechanical Seal                      CDLA-22/WBF14

**Others**

Weight (kg)                                227





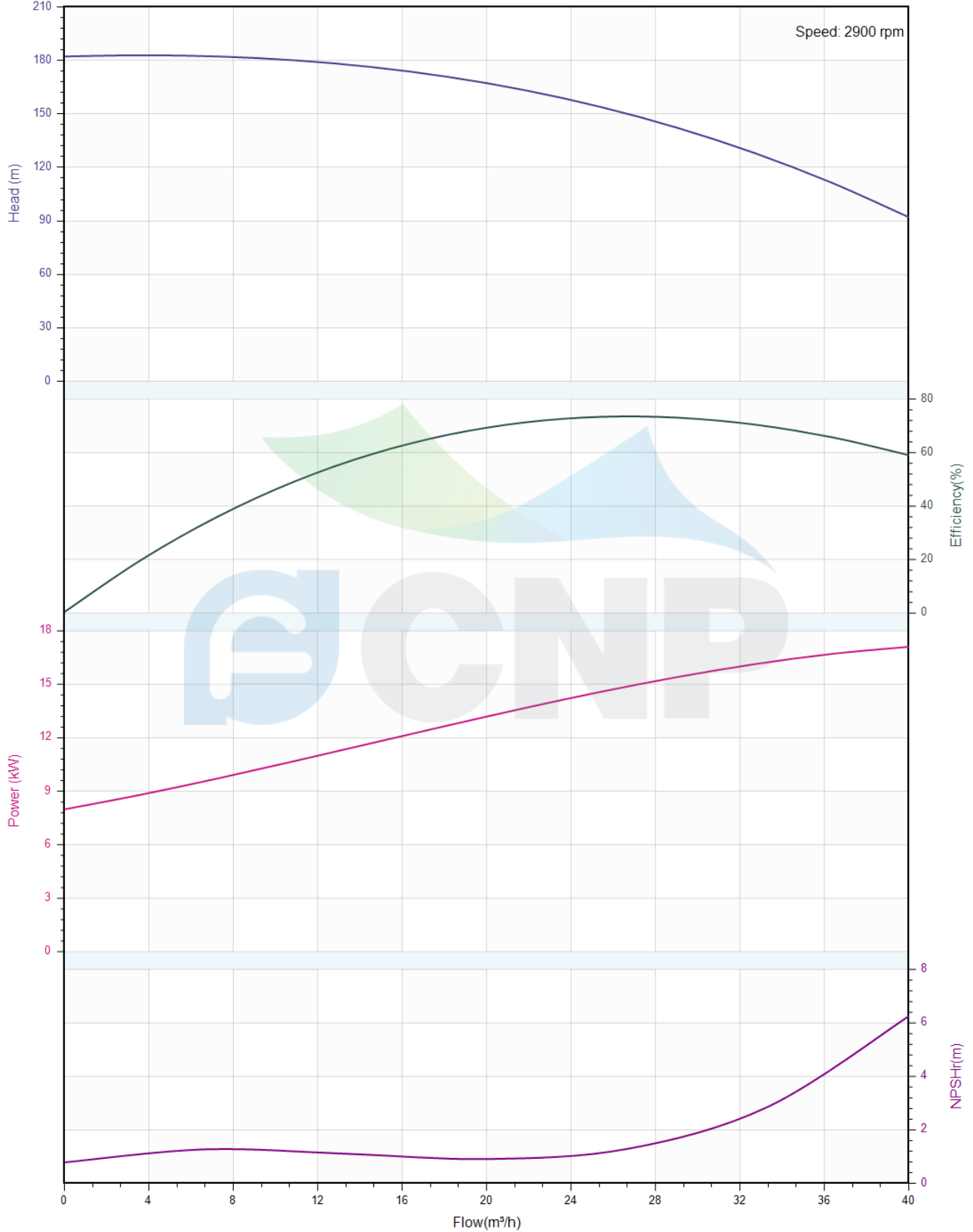
# Performance Curve CDM32-10-2

|              |                                      |
|--------------|--------------------------------------|
| Manufacturer | CNP                                  |
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| Client Name  | DPA                                  |
| Client Addr. |                                      |
| Contacts     | Alireza                              |
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Project Name

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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

### CDM32-10-2

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| Client Name  | DPA                                  |
| Client Addr. |                                      |
| Contacts     | Alireza                              |
| Contact      |                                      |

**Project Name**

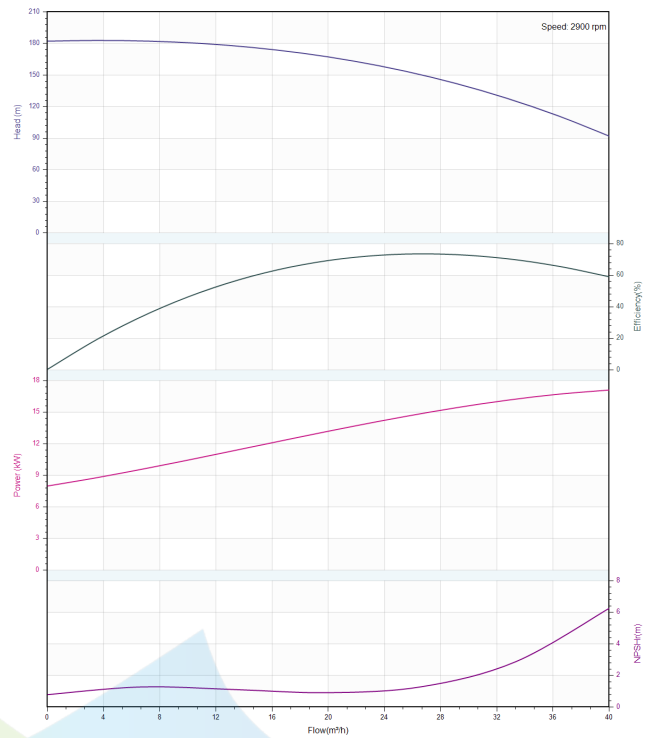
**Item NO**

#### Rated parameters

|                            |                      |
|----------------------------|----------------------|
| Pump model                 | CDM32-10-2           |
| Part NO.                   | 1100104891           |
| Rated flow                 | 32 m <sup>3</sup> /h |
| Rated head                 | 131 m                |
| Rated efficiency (%)       | 68.2                 |
| Power (kW)                 | 16.8                 |
| NPSHr (m)                  | 2                    |
| Speed (rpm)                | 2900                 |
| Max impeller diameter (mm) | 118                  |

#### Medium

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



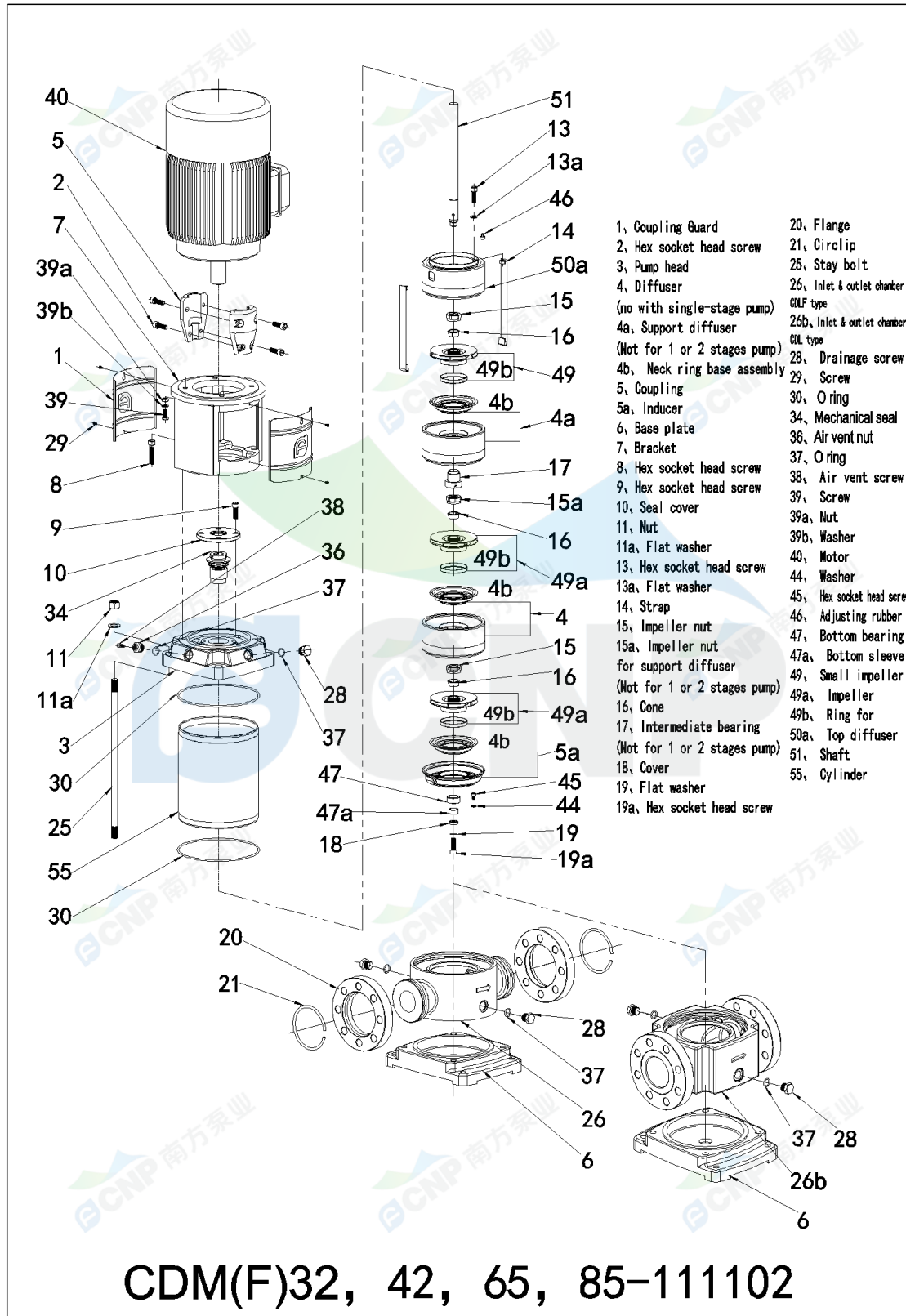


**Structure picture**  
**CDM32-10-2**

|              |                                      |
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| Date         | 2022/07/26                           |
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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**  
**CDM32-10-2**

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