

|                                                                                   |                                                  |              |                                     |
|-----------------------------------------------------------------------------------|--------------------------------------------------|--------------|-------------------------------------|
|  | <b>Product Information</b><br><br><b>CDM20-2</b> | Manufacturer | Nanfang Pump Industry Co.,Ltd (CNP) |
|                                                                                   |                                                  | Address      | Hangzhou, Zhejiang, China           |
|                                                                                   |                                                  | Contact      | 86-571-88637351                     |
|                                                                                   |                                                  | Date         | 2025/07/08                          |
|                                                                                   |                                                  | Client Name  | WEPKO                               |
| <b>Project Name</b>                                                               |                                                  | Client Addr. |                                     |
| <b>Item NO</b>                                                                    |                                                  | Contacts     |                                     |
|                                                                                   |                                                  | Contact      |                                     |

|                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part NO.                                                                          | 1100090778                                                                                                                                                                                                                                                                                                                                                                          |
| Product Picture: (Note: Images may not be the same as the product)                | 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≥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             | 20 m³/h  |
| Head             | 23 m     |
| Efficiency       | 72 %     |
| Speed            | 2900 rpm |
| Number of stages | 2        |

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 (high temperature) | 25 bar / 120 °C |
| Maximum Pressure/Temperature (low temperature)  | 25 bar / -15 °C |
| Flange Standard                                 | DIN             |
| Pressure Class                                  | PN25            |
| Inlet & outlet                                  | DN50            |

Medium

|                                       |             |
|---------------------------------------|-------------|
| Medium Temperature normal temperature | -15°C+70°C  |
| Medium Temperature high temperature   | -15°C+120°C |
| Maximum Environment Temperature       | 40°C        |

Structure dimension

|               |                        |
|---------------|------------------------|
| Model picture | F                      |
| Expolded view | CDMF15,20exploded view |

|                                                                                                   |                                                  |              |                                     |
|---------------------------------------------------------------------------------------------------|--------------------------------------------------|--------------|-------------------------------------|
|  <b>CNP 南方泵业</b> | <b>Product Information</b><br><br><b>CDM20-2</b> | Manufacturer | Nanfang Pump Industry Co.,Ltd (CNP) |
|                                                                                                   |                                                  | Address      | Hangzhou, Zhejiang, China           |
|                                                                                                   |                                                  | Contact      | 86-571-88637351                     |
|                                                                                                   |                                                  | Date         | 2025/07/08                          |
|                                                                                                   |                                                  | Client Name  | WEPKO                               |
| <b>Project Name</b>                                                                               |                                                  | Client Addr. |                                     |
| <b>Item NO</b>                                                                                    |                                                  | Contacts     |                                     |
|                                                                                                   |                                                  | Contact      |                                     |

**Motor**

|                         |             |
|-------------------------|-------------|
| Number of Motor Phase   | Three Phase |
| Protection Class        | IP55        |
| Insulation Class        | F           |
| Motor Power(kW)         | 2.2KW       |
| Power Frequency(Hz)     | 50Hz        |
| Rated Voltage (V)       | 220/380V    |
| Rated Current (A)       | 7.9/4.6A    |
| Energy Efficiency Level | IE3         |

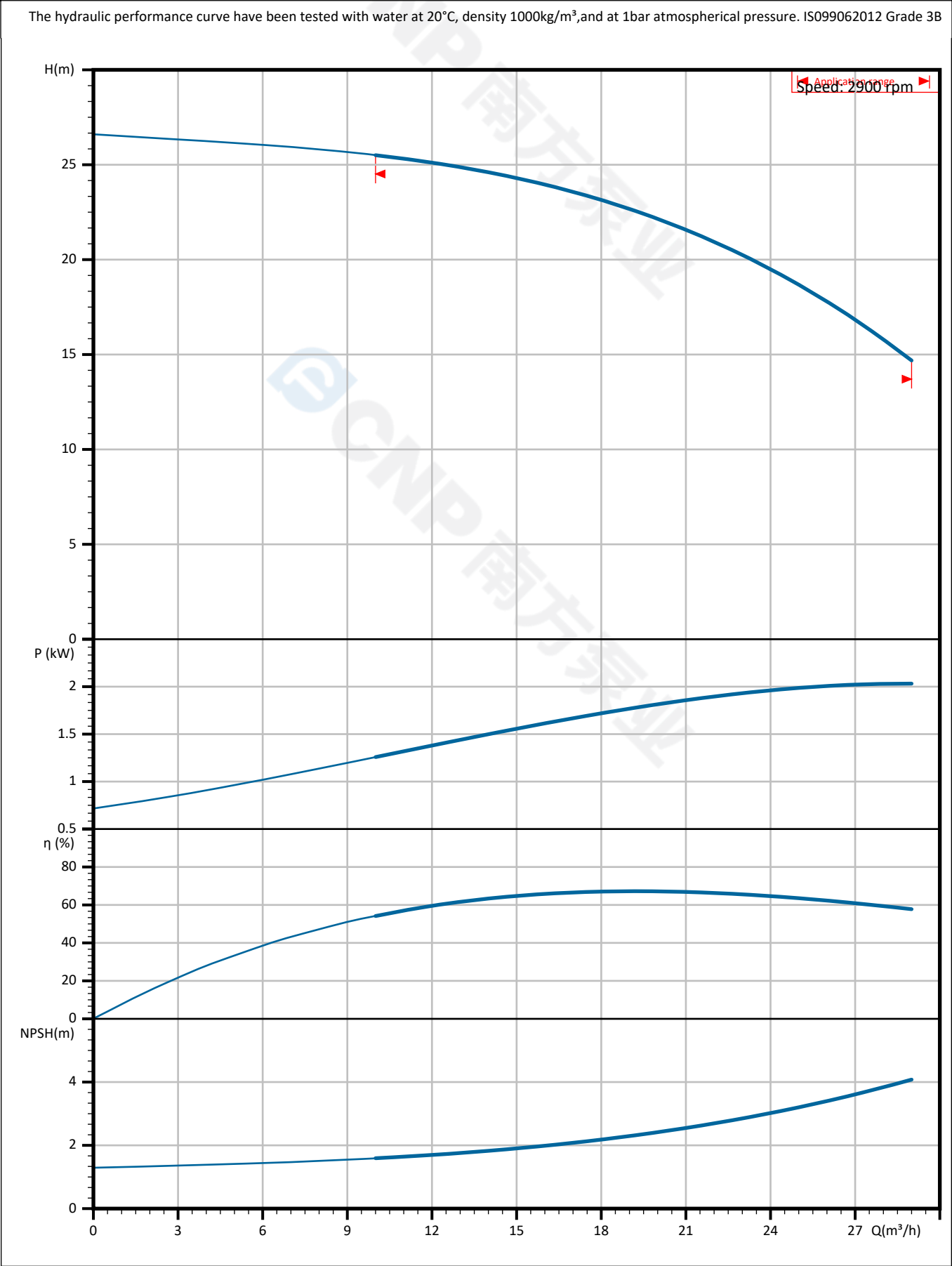
**Seal**

|                 |                |
|-----------------|----------------|
| Mechanical Seal | CDLA-16/WB1F14 |
|-----------------|----------------|

**Others**

|             |    |
|-------------|----|
| Weight (kg) | 41 |
|-------------|----|

|                                                                                   |                                                |              |                                     |
|-----------------------------------------------------------------------------------|------------------------------------------------|--------------|-------------------------------------|
|  | <b>Performance Curve</b><br><br><b>CDM20-2</b> | Manufacturer | Nanfang Pump Industry Co.,Ltd (CNP) |
|                                                                                   |                                                | Address      | Hangzhou, Zhejiang, China           |
|                                                                                   |                                                | Contact      | 86-571-88637351                     |
|                                                                                   |                                                | Date         | 2025/07/08                          |
| Project Name                                                                      |                                                | Client Name  | WEPKO                               |
| Item NO                                                                           |                                                | Client Addr. |                                     |
|                                                                                   |                                                | Contacts     |                                     |
|                                                                                   |                                                | Contact      |                                     |



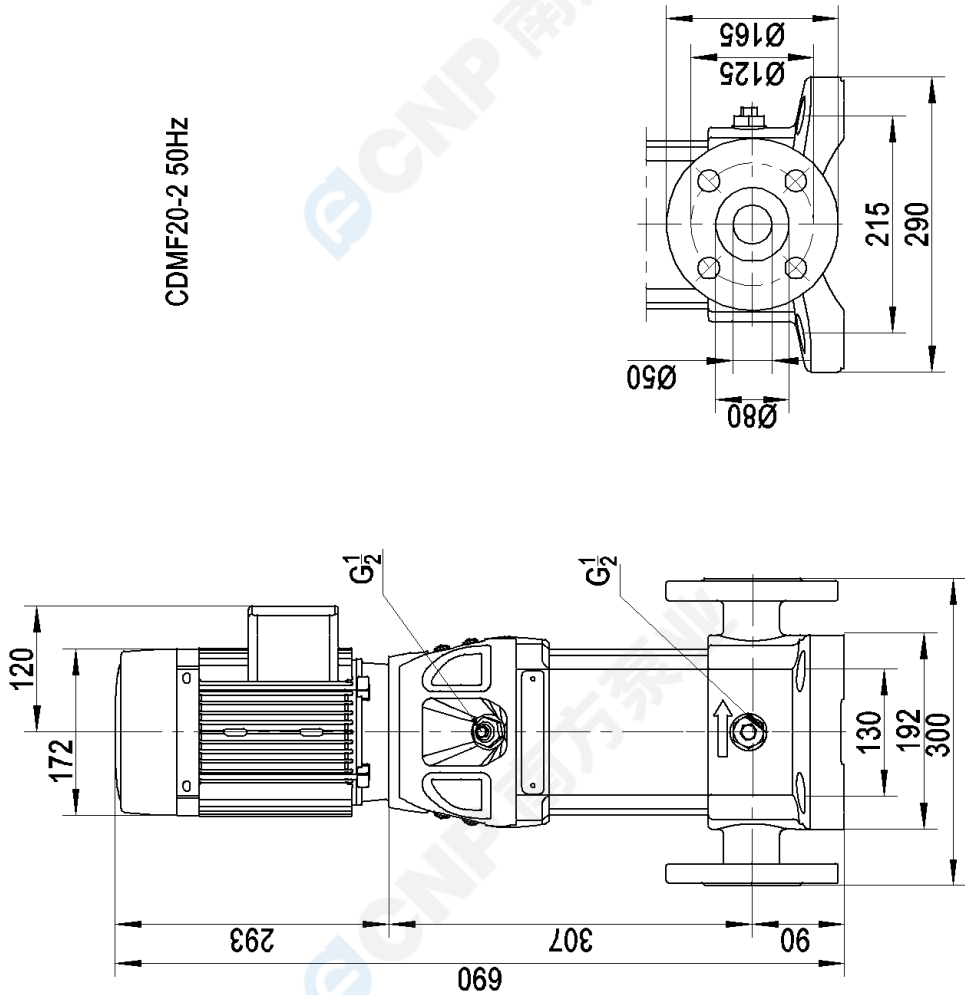
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|---------------------------------------------------------------------------------------------------|--------------------------------------------------------|--------------|-------------------------------------|
|  <b>CNP 南方泵业</b> | <b>Pump Technical Parameters</b><br><br><b>CDM20-2</b> | Manufacturer | Nanfang Pump Industry Co.,Ltd (CNP) |
|                                                                                                   |                                                        | Address      | Hangzhou, Zhejiang, China           |
|                                                                                                   |                                                        | Contact      | 86-571-88637351                     |
|                                                                                                   |                                                        | Date         | 2025/07/08                          |
|                                                                                                   |                                                        | Client Name  | WEPKO                               |
| Project Name                                                                                      |                                                        | Client Addr. |                                     |
| Item NO                                                                                           |                                                        | Contacts     |                                     |
|                                                                                                   |                                                        | Contact      |                                     |

| Rated parameters           |            |
|----------------------------|------------|
| Pump model                 | CDM20-2    |
| Part NO.                   | 1100090778 |
| Rated flow                 | 20 m³/h    |
| Rated head                 | 23 m       |
| Rated efficiency           | 72 (%)     |
| Power (kW)                 | 1.67 kW    |
| NPSHr (m)                  | 2.5        |
| Speed (rpm)                | 2900       |
| Max impeller diameter (mm) | 106        |
|                            |            |
| Medium                     |            |
| Pumped medium              | water      |
| Working temperature (°C)   | 20         |
| Medium density (kg/m³)     | 1000       |
| Viscosity (mm²/s)          | 1          |
|                            |            |

The figure displays four performance curves for the CDM20-2 pump, plotted against the flow rate  $Q$  in  $\text{m}^3/\text{h}$  on the x-axis (ranging from 0 to 24). The y-axes represent Head  $H$  in meters (0 to 30), Power  $P$  in kilowatts (0 to 2.6), Efficiency  $\eta$  in percent (0 to 80), and Net Positive Suction Head  $\text{NPSH}$  in meters (0 to 4). The Head curve starts at approximately 27 m at  $Q=0$  and decreases to about 15 m at  $Q=24$ . The Power curve starts at approximately 0.7 kW at  $Q=0$  and increases to about 2.1 kW at  $Q=24$ . The Efficiency curve starts at 0% at  $Q=0$ , peaks at approximately 72% around  $Q=18$ , and then slightly decreases to about 60% at  $Q=24$ . The NPSH curve starts at approximately 1.5 m at  $Q=0$  and increases to about 4.2 m at  $Q=24$ .

| $Q$ ( $\text{m}^3/\text{h}$ ) | $H$ (m) | $P$ (kW) | $\eta$ (%) | $\text{NPSH}$ (m) |
|-------------------------------|---------|----------|------------|-------------------|
| 0                             | 27      | 0.7      | 0          | 1.5               |
| 6                             | 26      | 1.0      | 40         | 1.6               |
| 12                            | 25      | 1.4      | 60         | 1.8               |
| 18                            | 23      | 1.8      | 72         | 2.2               |
| 24                            | 15      | 2.1      | 60         | 4.2               |

|                                                                                                   |                                                |              |                                     |
|---------------------------------------------------------------------------------------------------|------------------------------------------------|--------------|-------------------------------------|
|  <b>CNP 南方泵业</b> | <b>Dimension Drawing</b><br><br><b>CDM20-2</b> | Manufacturer | Nanfang Pump Industry Co.,Ltd (CNP) |
|                                                                                                   |                                                | Address      | Hangzhou, Zhejiang, China           |
|                                                                                                   |                                                | Contact      | 86-571-88637351                     |
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|---------------------------------------------------------------------------------------------------|-----------------------------------------------|--------------|-------------------------------------|
|  <b>CNP 南方泵业</b> | <b>Physical picture</b><br><br><b>CDM20-2</b> | Manufacturer | Nanfeng Pump Industry Co.,Ltd (CNP) |
|                                                                                                   |                                               | Address      | Hangzhou, Zhejiang, China           |
|                                                                                                   |                                               | Contact      | 86-571-88637351                     |
|                                                                                                   |                                               | Date         | 2025/07/08                          |
|                                                                                                   |                                               | Client Name  | WEPKO                               |
| <b>Project Name</b>                                                                               |                                               | Client Addr. |                                     |
| <b>Item NO</b>                                                                                    |                                               | Contacts     |                                     |
|                                                                                                   |                                               | Contact      |                                     |



|                                                                                                   |                                         |              |                                     |
|---------------------------------------------------------------------------------------------------|-----------------------------------------|--------------|-------------------------------------|
|  <b>CNP 南方泵业</b> | <b>Order Data</b><br><br><b>CDM20-2</b> | Manufacturer | Nanfang Pump Industry Co.,Ltd (CNP) |
|                                                                                                   |                                         | Address      | Hangzhou, Zhejiang, China           |
|                                                                                                   |                                         | Contact      | 86-571-88637351                     |
|                                                                                                   |                                         | Date         | 2025/07/08                          |
|                                                                                                   |                                         | Client Name  | WEPKO                               |
| <b>Project Name</b>                                                                               |                                         | Client Addr. |                                     |
| <b>Item NO</b>                                                                                    |                                         | Contacts     |                                     |
|                                                                                                   |                                         | Contact      |                                     |

Pump model                      CDM20-2  
Part NO.                            1100090778  
Product price  
Quantity                            1  
Total price

Inquiry notes