

|                                                                                   |                                                     |              |                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------|--------------|-------------------------------------|
|  | <b>Product Information</b><br><br><b>CDM42-12-2</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                               |
|                                                                                   |                                                     | Client Addr. |                                     |
| Item NO                                                                           |                                                     | Contacts     | Wepko                               |
|                                                                                   |                                                     | Contact      |                                     |

|                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part NO.                                                                          | 1100104999                                                                                                                                                                                                                                                                                                                                                                          |
| 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             | 42 m³/h  |
| Head             | 238 m    |
| Efficiency       | 69.8 %   |
| Speed            | 2900 rpm |
| Number of stages | 12       |

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) | 30 bar / 120 °C |
| Maximum Pressure/Temperature (low temperature)  | 30 bar / -15 °C |
| Flange Standard                                 | DIN             |
| Pressure Class                                  | PN25-40         |
| Inlet & outlet                                  | DN80            |

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 Flange     |
| Expolded view | CDMF32,42,65 |

|                                                                                                   |                                                     |              |                                     |
|---------------------------------------------------------------------------------------------------|-----------------------------------------------------|--------------|-------------------------------------|
|  <b>CNP 南方泵业</b> | <b>Product Information</b><br><br><b>CDM42-12-2</b> | Manufacturer | Nanfang Pump Industry Co.,Ltd (CNP) |
|                                                                                                   |                                                     | Address      | Hangzhou, Zhejiang, China           |
|                                                                                                   |                                                     | Contact      | 86-571-88637351                     |
|                                                                                                   |                                                     | Date         | 2025/07/08                          |
| <b>Project Name</b>                                                                               |                                                     | Client Name  | WEPKO                               |
|                                                                                                   |                                                     | Client Addr. |                                     |
| <b>Item NO</b>                                                                                    |                                                     | Contacts     | Wepko                               |
|                                                                                                   |                                                     | Contact      |                                     |

**Motor**

|                         |             |
|-------------------------|-------------|
| Number of Motor Phase   | Three Phase |
| Protection Class        | IP55        |
| Insulation Class        | F           |
| Motor Power(kW)         | 45KW        |
| Power Frequency(Hz)     | 50HZ        |
| Rated Voltage (V)       | 380V        |
| Rated Current (A)       | 80.8A       |
| Energy Efficiency Level | IE3         |

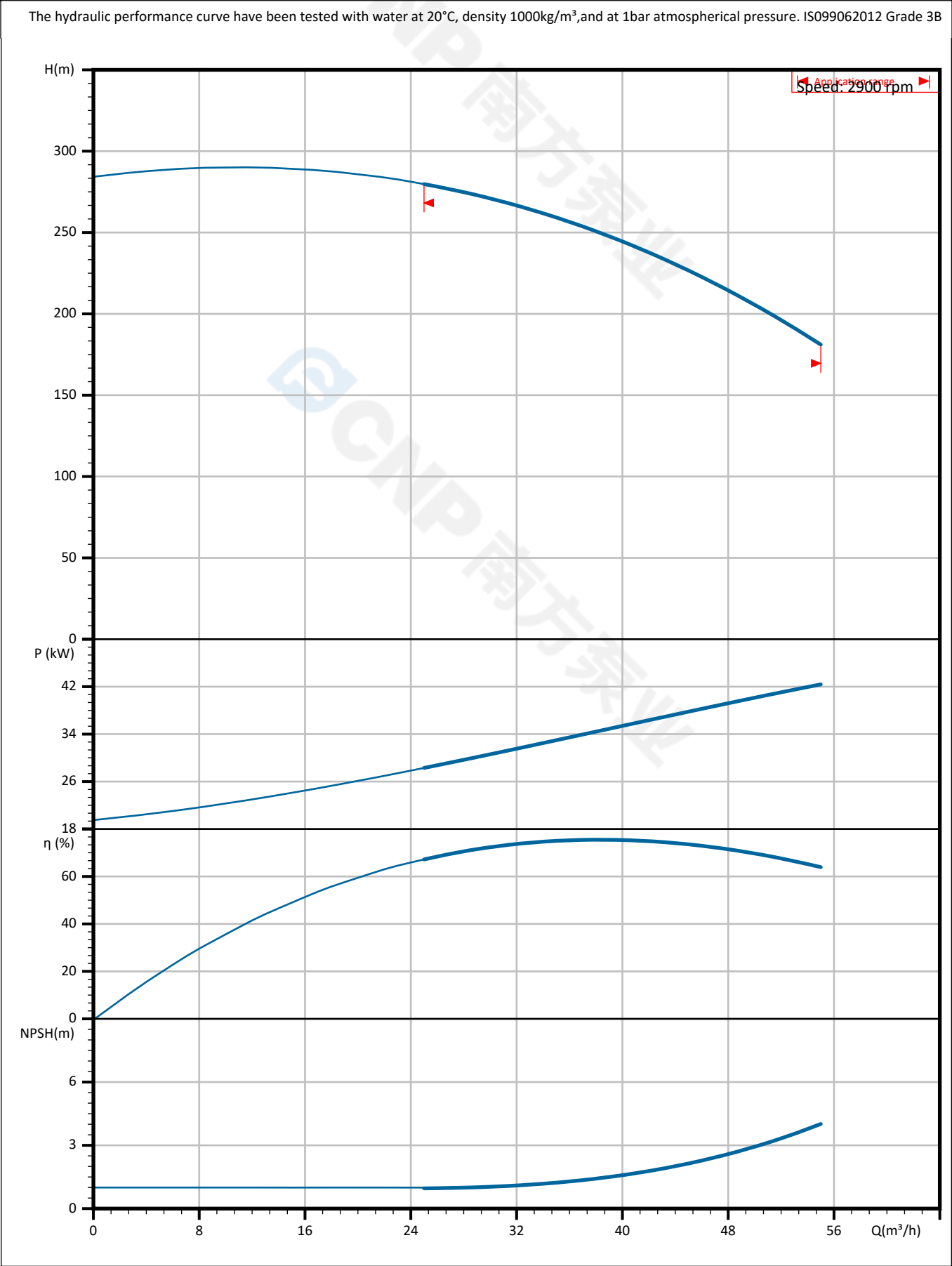
**Seal**

|                 |                |
|-----------------|----------------|
| Mechanical Seal | CDLA-22/WB1F14 |
|-----------------|----------------|

**Others**

|             |     |
|-------------|-----|
| Weight (kg) | 432 |
|-------------|-----|

|                                                                                   |                                                   |              |                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------|--------------|-------------------------------------|
|  | <b>Performance Curve</b><br><br><b>CDM42-12-2</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     | Wepko                               |
|                                                                                   |                                                   | Contact      |                                     |



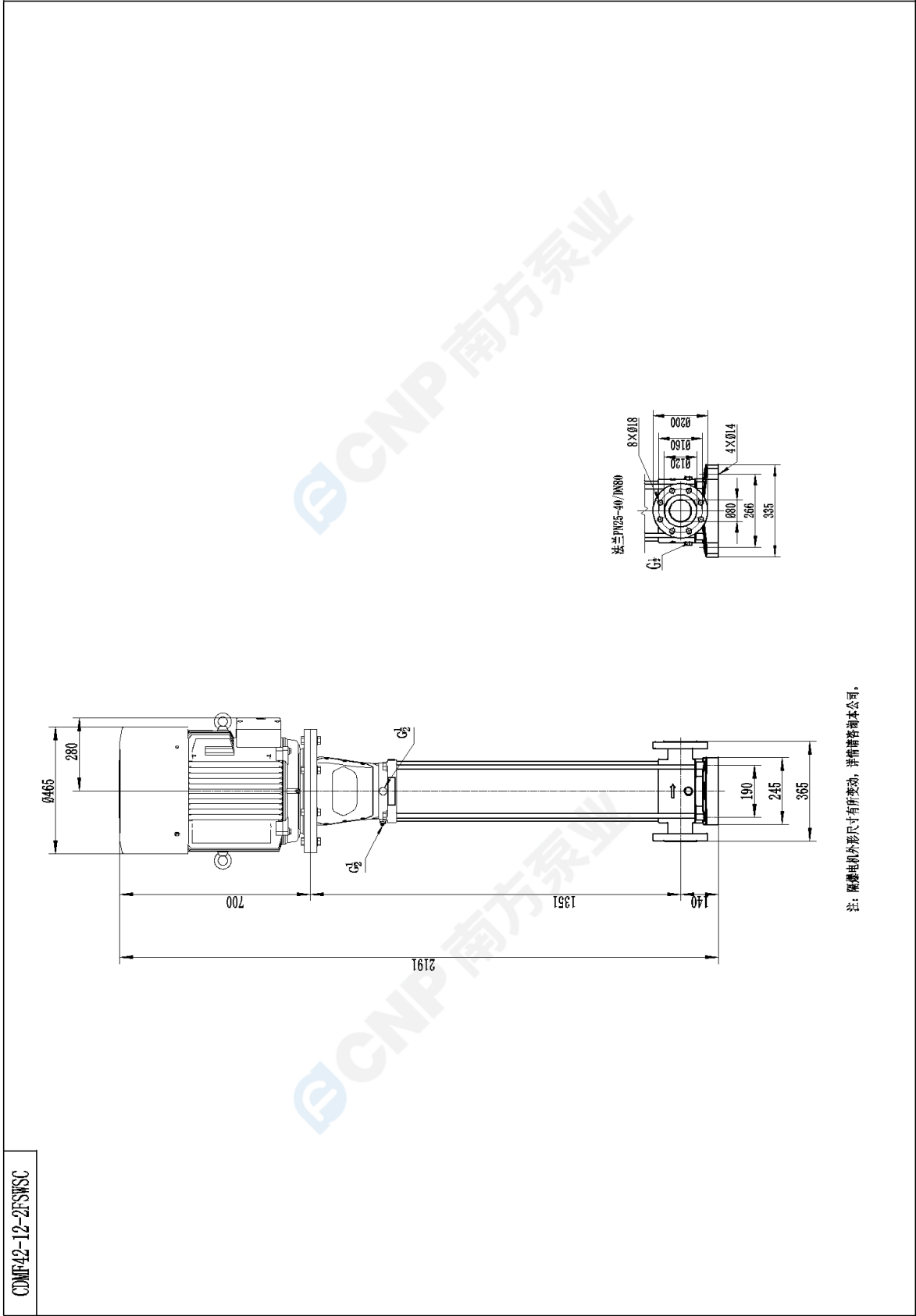
|                                                                                                   |                                                       |              |                                     |
|---------------------------------------------------------------------------------------------------|-------------------------------------------------------|--------------|-------------------------------------|
|  <b>CNP 南方泵业</b> | <b>Pump Technical Parameters</b><br><b>CDM42-12-2</b> | Manufacturer | Nanfang Pump Industry Co.,Ltd (CNP) |
|                                                                                                   |                                                       | Address      | Hangzhou, Zhejiang, China           |
|                                                                                                   |                                                       | Contact      | 86-571-88637351                     |
|                                                                                                   |                                                       | Date         | 2025/07/08                          |
| <b>Project Name</b>                                                                               |                                                       | Client Name  | WEPKO                               |
|                                                                                                   |                                                       | Client Addr. |                                     |
| <b>Item NO</b>                                                                                    |                                                       | Contacts     | Wepko                               |
|                                                                                                   |                                                       | Contact      |                                     |

| Rated parameters           |            |
|----------------------------|------------|
| Pump model                 | CDM42-12-2 |
| Part NO.                   | 1100104999 |
| Rated flow                 | 42 m³/h    |
| Rated head                 | 238 m      |
| Rated efficiency           | 69.8 (%)   |
| Power (kW)                 | 39 kW      |
| NPSHr (m)                  | 2.5        |
| Speed (rpm)                | 2900       |
| Max impeller diameter (mm) | 136        |
|                            |            |
| Medium                     |            |
| Pumped medium              | water      |
| Working temperature (°C)   | 20         |
| Medium density (kg/m³)     | 1000       |
| Viscosity (mm²/s)          | 1          |
|                            |            |

The figure displays four performance graphs for the CDM42-12-2 pump, plotted against flow rate  $Q$  in  $\text{m}^3/\text{h}$  on the x-axis (0 to 60). The y-axes represent Head  $H$  (m), Power  $P$  (kW), Efficiency  $\eta$  (%), and Net Positive Suction Head  $\text{NPSH}$  (m).

- Head ( $H$ ) vs Flow ( $Q$ ):** The head starts at approximately 285 m at  $Q=0$ , peaks at about 290 m around  $Q=10$ , and then decreases to approximately 180 m at  $Q=60$ .
- Power ( $P$ ) vs Flow ( $Q$ ):** The power starts at approximately 18 kW at  $Q=0$  and increases steadily to about 42 kW at  $Q=60$ .
- Efficiency ( $\eta$ ) vs Flow ( $Q$ ):** The efficiency starts at 0% at  $Q=0$ , rises to a peak of about 75% around  $Q=35$ , and then slightly decreases to about 70% at  $Q=60$ .
- NPSH(m) vs Flow ( $Q$ ):** The required NPSH starts at approximately 1 m at  $Q=0$  and increases to about 4 m at  $Q=60$ .

|                                                                                   |                                                   |              |                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------|--------------|-------------------------------------|
|  | <b>Dimension Drawing</b><br><br><b>CDM42-12-2</b> | Manufacturer | Nanfeng 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     | Wepko                               |
|                                                                                   |                                                   | Contact      |                                     |



|                                                                                                   |                                               |              |                                     |
|---------------------------------------------------------------------------------------------------|-----------------------------------------------|--------------|-------------------------------------|
|  <b>CNP 南方泵业</b> | <b>Explosed view</b><br><br><b>CDM42-12-2</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     | Wepko                               |
|                                                                                                   |                                               | Contact      |                                     |



Drawing 1-I CDMF32, 42, 65-240704

|                                                                                                   |                                                  |              |                                     |
|---------------------------------------------------------------------------------------------------|--------------------------------------------------|--------------|-------------------------------------|
|  <b>CNP 南方泵业</b> | <b>Physical picture</b><br><br><b>CDM42-12-2</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     | Wepko                               |
|                                                                                                   |                                                  | Contact      |                                     |



|                                                                                                   |                                            |              |                                     |
|---------------------------------------------------------------------------------------------------|--------------------------------------------|--------------|-------------------------------------|
|  <b>CNP 南方泵业</b> | <b>Order Data</b><br><br><b>CDM42-12-2</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     | Wepko                               |
|                                                                                                   |                                            | Contact      |                                     |

Pump model                      CDM42-12-2  
Part NO.                            1100104999  
Product price  
Quantity                            1  
Total price

Inquiry notes