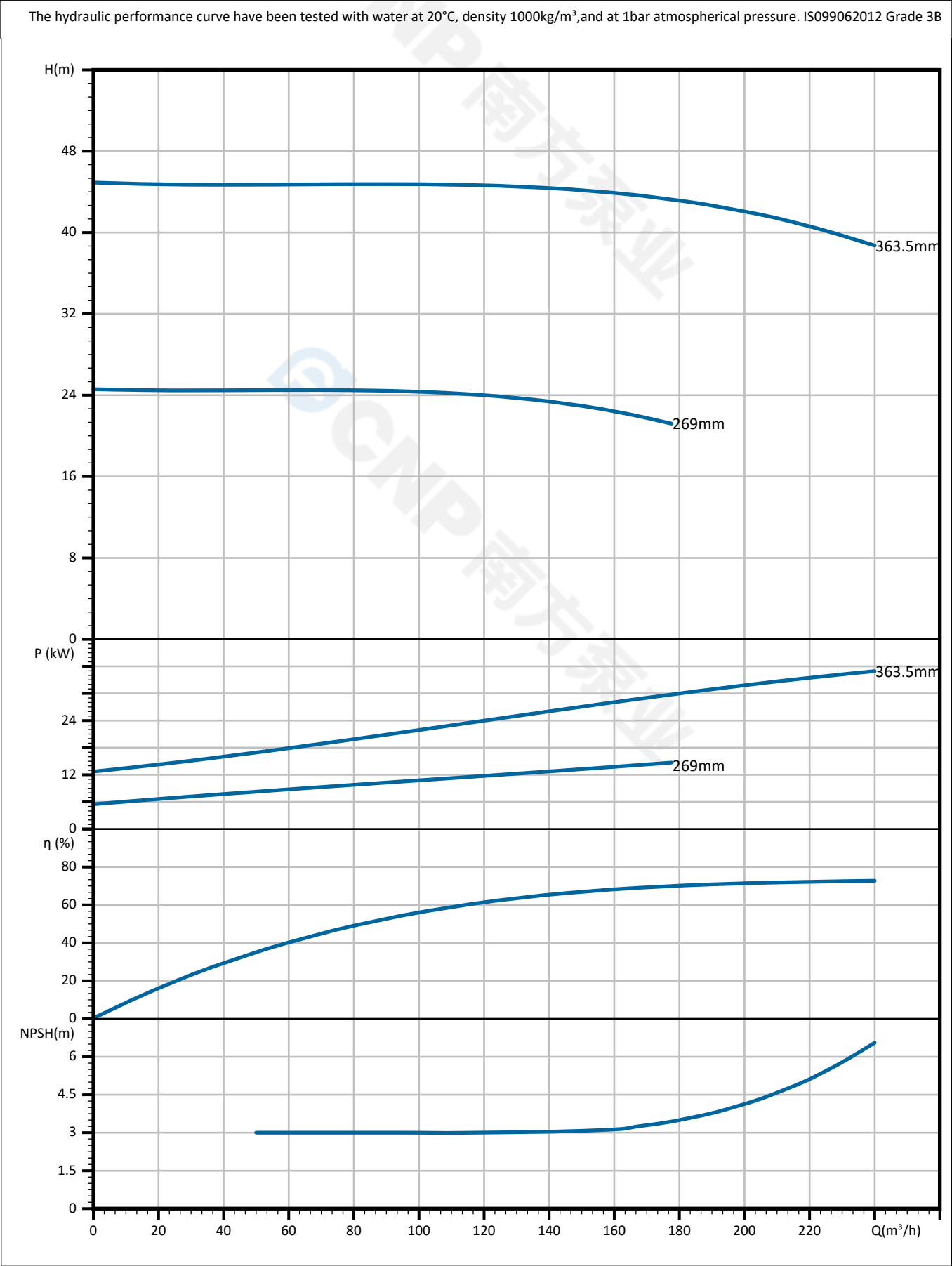


|                                                                                                   |                                                     |              |                                     |
|---------------------------------------------------------------------------------------------------|-----------------------------------------------------|--------------|-------------------------------------|
|  <b>CNP 南方泵业</b> | <b>Product Information</b><br><br><b>TD150-42/4</b> | Manufacturer | Nanfang Pump Industry Co.,Ltd (CNP) |
|                                                                                                   |                                                     | Address      | Hangzhou, Zhejiang, China           |
|                                                                                                   |                                                     | Contact      | 86-571-88637351                     |
|                                                                                                   |                                                     | Date         | 2025/06/15                          |
|                                                                                                   |                                                     | Client Name  | WEPKO                               |
| <b>Project Name</b>                                                                               |                                                     | Client Addr. |                                     |
| <b>Item NO</b>                                                                                    |                                                     | Contacts     | Golsa                               |
|                                                                                                   |                                                     | Contact      |                                     |

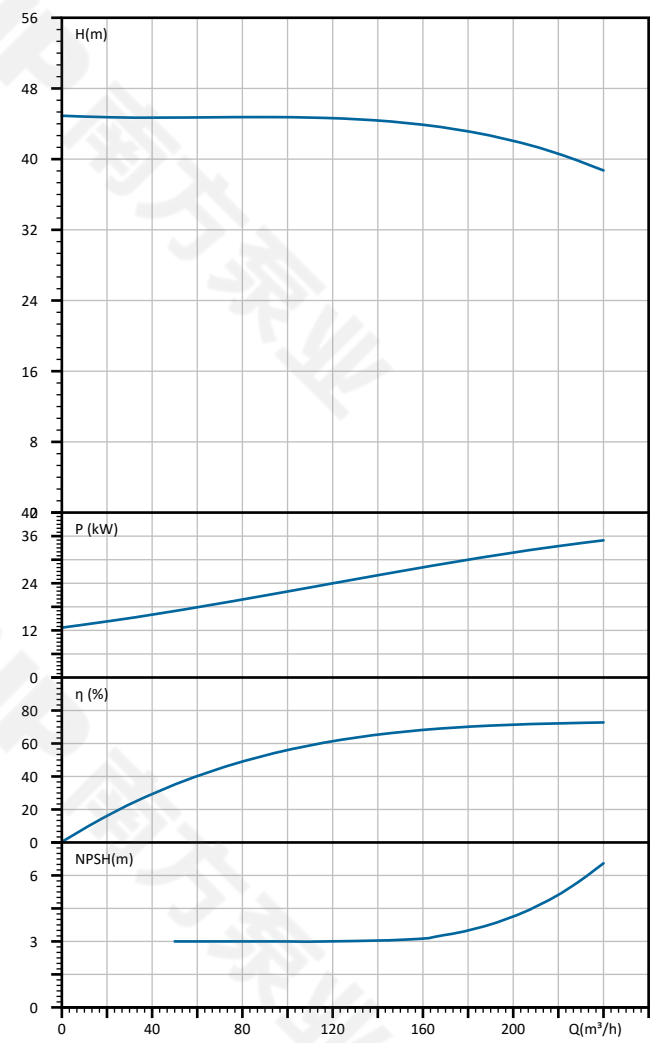
|                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                     |                           |             |                            |                 |                    |                                          |                 |                 |                     |      |                   |      |                         |     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------|----------------------------|-----------------|--------------------|------------------------------------------|-----------------|-----------------|---------------------|------|-------------------|------|-------------------------|-----|
| Part NO.                                                                                                                                                                                                                                                                                                                                                                                | 1100320018                                                                                                                                                                                                                                                                                                                                                                          |                           |             |                            |                 |                    |                                          |                 |                 |                     |      |                   |      |                         |     |
| Product Picture: (Note: Images may not be the same as the product)                                                                                                                                                                                                                                                                                                                      | Note                                                                                                                                                                                                                                                                                                                                                                                |                           |             |                            |                 |                    |                                          |                 |                 |                     |      |                   |      |                         |     |
|                                                                                                                                                                                                                                                                                                        | Single-stage vertical pipeline circulating pump, the pump inlet and outlet are on the same line at the bottom of the pump, and the product is designed to be pulled out of the top in the form of disassembly, which can be used to repair the pump without affecting the pipeline system.<br>Compact, easy to maintain, low noise, optional cast iron or stainless steel impeller. |                           |             |                            |                 |                    |                                          |                 |                 |                     |      |                   |      |                         |     |
| <b>Technology</b> <table><tr><td>Pump rotator speed</td><td>1480</td></tr><tr><td>Pump version</td><td>Extension shaft</td></tr></table>                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                     | Pump rotator speed        | 1480        | Pump version               | Extension shaft |                    |                                          |                 |                 |                     |      |                   |      |                         |     |
| Pump rotator speed                                                                                                                                                                                                                                                                                                                                                                      | 1480                                                                                                                                                                                                                                                                                                                                                                                |                           |             |                            |                 |                    |                                          |                 |                 |                     |      |                   |      |                         |     |
| Pump version                                                                                                                                                                                                                                                                                                                                                                            | Extension shaft                                                                                                                                                                                                                                                                                                                                                                     |                           |             |                            |                 |                    |                                          |                 |                 |                     |      |                   |      |                         |     |
| <b>Material</b> <table><tr><td>Pump body</td><td>HT200</td></tr><tr><td>Impeller</td><td>HT200</td></tr><tr><td>Rubber code</td><td>NBR</td></tr></table>                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                     | Pump body                 | HT200       | Impeller                   | HT200           | Rubber code        | NBR                                      |                 |                 |                     |      |                   |      |                         |     |
| Pump body                                                                                                                                                                                                                                                                                                                                                                               | HT200                                                                                                                                                                                                                                                                                                                                                                               |                           |             |                            |                 |                    |                                          |                 |                 |                     |      |                   |      |                         |     |
| Impeller                                                                                                                                                                                                                                                                                                                                                                                | HT200                                                                                                                                                                                                                                                                                                                                                                               |                           |             |                            |                 |                    |                                          |                 |                 |                     |      |                   |      |                         |     |
| Rubber code                                                                                                                                                                                                                                                                                                                                                                             | NBR                                                                                                                                                                                                                                                                                                                                                                                 |                           |             |                            |                 |                    |                                          |                 |                 |                     |      |                   |      |                         |     |
| <b>Installation</b> <table><tr><td>Connection Code</td><td>F</td></tr><tr><td>Maximum Operation Pressure</td><td>12bar</td></tr></table>                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                     | Connection Code           | F           | Maximum Operation Pressure | 12bar           |                    |                                          |                 |                 |                     |      |                   |      |                         |     |
| Connection Code                                                                                                                                                                                                                                                                                                                                                                         | F                                                                                                                                                                                                                                                                                                                                                                                   |                           |             |                            |                 |                    |                                          |                 |                 |                     |      |                   |      |                         |     |
| Maximum Operation Pressure                                                                                                                                                                                                                                                                                                                                                              | 12bar                                                                                                                                                                                                                                                                                                                                                                               |                           |             |                            |                 |                    |                                          |                 |                 |                     |      |                   |      |                         |     |
| <b>Medium</b> <table><tr><td>Medium Temperature</td><td>-15~110℃</td></tr></table>                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                     | Medium Temperature        | -15~110℃    |                            |                 |                    |                                          |                 |                 |                     |      |                   |      |                         |     |
| Medium Temperature                                                                                                                                                                                                                                                                                                                                                                      | -15~110℃                                                                                                                                                                                                                                                                                                                                                                            |                           |             |                            |                 |                    |                                          |                 |                 |                     |      |                   |      |                         |     |
| <b>Structure dimension</b> <table><tr><td>Inlet &amp; outlet size types</td><td>DN</td></tr><tr><td>Inlet &amp; Outlet Diameter</td><td>150</td></tr><tr><td>Rotation Direction</td><td>Clockwise rotation viewed from motor end</td></tr><tr><td>Exploled view</td><td>TDexploded view</td></tr></table>                                                                               |                                                                                                                                                                                                                                                                                                                                                                                     | Inlet & outlet size types | DN          | Inlet & Outlet Diameter    | 150             | Rotation Direction | Clockwise rotation viewed from motor end | Exploled view   | TDexploded view |                     |      |                   |      |                         |     |
| Inlet & outlet size types                                                                                                                                                                                                                                                                                                                                                               | DN                                                                                                                                                                                                                                                                                                                                                                                  |                           |             |                            |                 |                    |                                          |                 |                 |                     |      |                   |      |                         |     |
| Inlet & Outlet Diameter                                                                                                                                                                                                                                                                                                                                                                 | 150                                                                                                                                                                                                                                                                                                                                                                                 |                           |             |                            |                 |                    |                                          |                 |                 |                     |      |                   |      |                         |     |
| Rotation Direction                                                                                                                                                                                                                                                                                                                                                                      | Clockwise rotation viewed from motor end                                                                                                                                                                                                                                                                                                                                            |                           |             |                            |                 |                    |                                          |                 |                 |                     |      |                   |      |                         |     |
| Exploled view                                                                                                                                                                                                                                                                                                                                                                           | TDexploded view                                                                                                                                                                                                                                                                                                                                                                     |                           |             |                            |                 |                    |                                          |                 |                 |                     |      |                   |      |                         |     |
| <b>Motor</b> <table><tr><td>Number of Motor Phase</td><td>Three Phase</td></tr><tr><td>Protection Class</td><td>IP55</td></tr><tr><td>Insulation Class</td><td>F</td></tr><tr><td>Motor Power(kW)</td><td>37KW</td></tr><tr><td>Power Frequency(Hz)</td><td>50Hz</td></tr><tr><td>Rated Voltage (V)</td><td>380V</td></tr><tr><td>Energy Efficiency Level</td><td>IE3</td></tr></table> |                                                                                                                                                                                                                                                                                                                                                                                     | Number of Motor Phase     | Three Phase | Protection Class           | IP55            | Insulation Class   | F                                        | Motor Power(kW) | 37KW            | Power Frequency(Hz) | 50Hz | Rated Voltage (V) | 380V | Energy Efficiency Level | IE3 |
| Number of Motor Phase                                                                                                                                                                                                                                                                                                                                                                   | Three Phase                                                                                                                                                                                                                                                                                                                                                                         |                           |             |                            |                 |                    |                                          |                 |                 |                     |      |                   |      |                         |     |
| Protection Class                                                                                                                                                                                                                                                                                                                                                                        | IP55                                                                                                                                                                                                                                                                                                                                                                                |                           |             |                            |                 |                    |                                          |                 |                 |                     |      |                   |      |                         |     |
| Insulation Class                                                                                                                                                                                                                                                                                                                                                                        | F                                                                                                                                                                                                                                                                                                                                                                                   |                           |             |                            |                 |                    |                                          |                 |                 |                     |      |                   |      |                         |     |
| Motor Power(kW)                                                                                                                                                                                                                                                                                                                                                                         | 37KW                                                                                                                                                                                                                                                                                                                                                                                |                           |             |                            |                 |                    |                                          |                 |                 |                     |      |                   |      |                         |     |
| Power Frequency(Hz)                                                                                                                                                                                                                                                                                                                                                                     | 50Hz                                                                                                                                                                                                                                                                                                                                                                                |                           |             |                            |                 |                    |                                          |                 |                 |                     |      |                   |      |                         |     |
| Rated Voltage (V)                                                                                                                                                                                                                                                                                                                                                                       | 380V                                                                                                                                                                                                                                                                                                                                                                                |                           |             |                            |                 |                    |                                          |                 |                 |                     |      |                   |      |                         |     |
| Energy Efficiency Level                                                                                                                                                                                                                                                                                                                                                                 | IE3                                                                                                                                                                                                                                                                                                                                                                                 |                           |             |                            |                 |                    |                                          |                 |                 |                     |      |                   |      |                         |     |
| <b>Seal</b> <table><tr><td>Mechanical Seal</td><td>TD-40/BSE4</td></tr></table>                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                     | Mechanical Seal           | TD-40/BSE4  |                            |                 |                    |                                          |                 |                 |                     |      |                   |      |                         |     |
| Mechanical Seal                                                                                                                                                                                                                                                                                                                                                                         | TD-40/BSE4                                                                                                                                                                                                                                                                                                                                                                          |                           |             |                            |                 |                    |                                          |                 |                 |                     |      |                   |      |                         |     |
| <b>Others</b> <table><tr><td>Weight (kg)</td><td>540</td></tr></table>                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                     | Weight (kg)               | 540         |                            |                 |                    |                                          |                 |                 |                     |      |                   |      |                         |     |
| Weight (kg)                                                                                                                                                                                                                                                                                                                                                                             | 540                                                                                                                                                                                                                                                                                                                                                                                 |                           |             |                            |                 |                    |                                          |                 |                 |                     |      |                   |      |                         |     |

|                                                                                   |                                                   |              |                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------|--------------|-------------------------------------|
|  | <b>Performance Curve</b><br><br><b>TD150-42/4</b> | Manufacturer | Nanfang Pump Industry Co.,Ltd (CNP) |
|                                                                                   |                                                   | Address      | Hangzhou, Zhejiang, China           |
|                                                                                   |                                                   | Contact      | 86-571-88637351                     |
|                                                                                   |                                                   | Date         | 2025/06/15                          |
| Project Name                                                                      |                                                   | Client Name  | WEPKO                               |
| Item NO                                                                           |                                                   | Client Addr. |                                     |
|                                                                                   |                                                   | Contacts     | Golsa                               |
|                                                                                   |                                                   | Contact      |                                     |



|                                                                                                              |                                                                          |              |                                     |
|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------|-------------------------------------|
| <div> <b>CNP 南方泵业</b></div> | <div><b>Pump Technical Parameters</b></div> <div><b>TD150-42/4</b></div> | Manufacturer | Nanfang Pump Industry Co.,Ltd (CNP) |
|                                                                                                              |                                                                          | Address      | Hangzhou, Zhejiang, China           |
|                                                                                                              |                                                                          | Contact      | 86-571-88637351                     |
|                                                                                                              |                                                                          | Date         | 2025/06/15                          |
|                                                                                                              |                                                                          | Client Name  | WEPKO                               |
| Project Name                                                                                                 |                                                                          | Client Addr. |                                     |
| Item NO                                                                                                      |                                                                          | Contacts     | Golsa                               |
|                                                                                                              |                                                                          | Contact      |                                     |

| Rated parameters           |            |
|----------------------------|------------|
| Pump model                 | TD150-42/4 |
| Part NO.                   | 1100320018 |
| Rated flow                 | 200 m³/h   |
| Rated head                 | 42 m       |
| Rated efficiency           | 72 (%)     |
| Power (kW)                 | 31.8 kW    |
| NPSHr (m)                  | 4.5        |
| Speed (rpm)                | 1480       |
| Max impeller diameter (mm) | 364        |
|                            |            |
| Medium                     |            |
| Pumped medium              | water      |
| Working temperature (°C)   | 20         |
| Medium density (kg/m³)     | 1000       |
| Viscosity (mm²/s)          | 1          |
|                            |            |

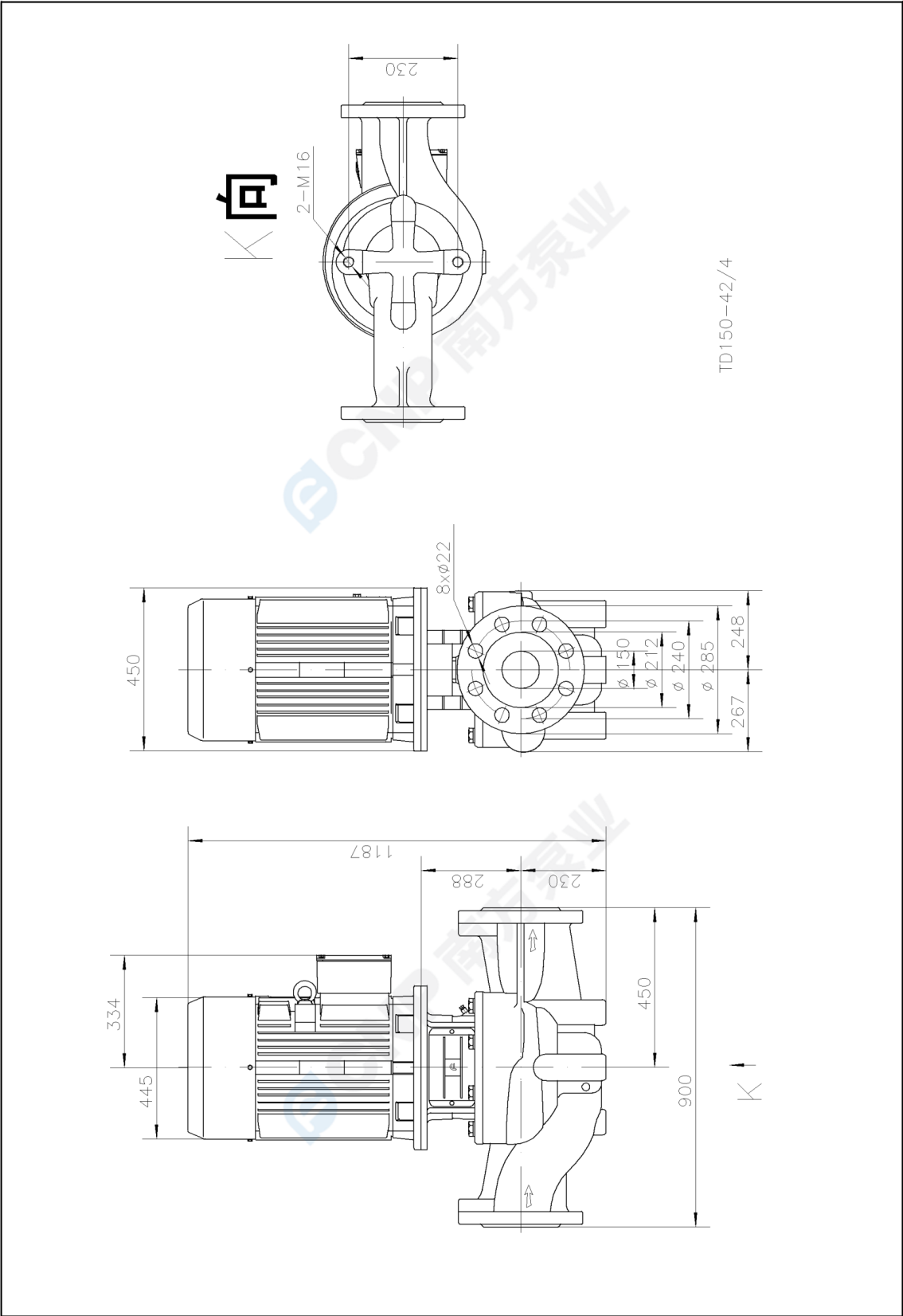


The figure displays four performance curves for the TD150-42/4 pump, plotted against flow rate (Q) in m³/h. The y-axes represent Head (H) in meters, Power (P) in kW, Efficiency (η) in %, and Required Net Positive Suction Head (NPSHr) in meters.

- Head (H) vs Flow (Q):** The head starts at approximately 42 m at 0 m³/h and decreases to about 38 m at 200 m³/h.
- Power (P) vs Flow (Q):** The power increases from approximately 12 kW at 0 m³/h to about 32 kW at 200 m³/h.
- Efficiency (η) vs Flow (Q):** The efficiency starts at 0% at 0 m³/h and increases to about 72% at 200 m³/h.
- NPSHr vs Flow (Q):** The required head is constant at 4.5 m from 0 to 150 m³/h and then increases to about 7 m at 200 m³/h.

| Flow (Q) [m³/h] | Head (H) [m] | Power (P) [kW] | Efficiency (η) [%] | NPSHr [m] |
|-----------------|--------------|----------------|--------------------|-----------|
| 0               | 42           | 12             | 0                  | 4.5       |
| 40              | 42           | 14             | 25                 | 4.5       |
| 80              | 42           | 18             | 45                 | 4.5       |
| 120             | 41.5         | 22             | 60                 | 4.5       |
| 160             | 41           | 26             | 70                 | 4.5       |
| 200             | 38           | 32             | 72                 | 7         |

|                                                                                                   |                                                   |              |                                     |
|---------------------------------------------------------------------------------------------------|---------------------------------------------------|--------------|-------------------------------------|
|  <b>CNP 南方泵业</b> | <b>Dimension Drawing</b><br><br><b>TD150-42/4</b> | Manufacturer | Nanfang Pump Industry Co.,Ltd (CNP) |
|                                                                                                   |                                                   | Address      | Hangzhou, Zhejiang, China           |
|                                                                                                   |                                                   | Contact      | 86-571-88637351                     |
|                                                                                                   |                                                   | Date         | 2025/06/15                          |
| Project Name                                                                                      |                                                   | Client Name  | WEPKO                               |
| Item NO                                                                                           |                                                   | Client Addr. |                                     |
|                                                                                                   |                                                   | Contacts     | Golsa                               |
|                                                                                                   |                                                   | Contact      |                                     |





|                                                                                                   |                                              |              |                                     |
|---------------------------------------------------------------------------------------------------|----------------------------------------------|--------------|-------------------------------------|
|  <b>CNP 南方泵业</b> | <b>Physical picture</b><br><b>TD150-42/4</b> | Manufacturer | Nanfeng Pump Industry Co.,Ltd (CNP) |
|                                                                                                   |                                              | Address      | Hangzhou, Zhejiang, China           |
|                                                                                                   |                                              | Contact      | 86-571-88637351                     |
|                                                                                                   |                                              | Date         | 2025/06/15                          |
| <b>Project Name</b>                                                                               |                                              | Client Name  | WEPKO                               |
|                                                                                                   |                                              | Client Addr. |                                     |
| <b>Item NO</b>                                                                                    |                                              | Contacts     | Golsa                               |
|                                                                                                   |                                              | Contact      |                                     |



|                                                                                                   |                                        |              |                                     |
|---------------------------------------------------------------------------------------------------|----------------------------------------|--------------|-------------------------------------|
|  <b>CNP 南方泵业</b> | <b>Order Data</b><br><b>TD150-42/4</b> | Manufacturer | Nanfang Pump Industry Co.,Ltd (CNP) |
|                                                                                                   |                                        | Address      | Hangzhou, Zhejiang, China           |
|                                                                                                   |                                        | Contact      | 86-571-88637351                     |
|                                                                                                   |                                        | Date         | 2025/06/15                          |
|                                                                                                   |                                        | Client Name  | WEPKO                               |
| <b>Project Name</b>                                                                               |                                        | Client Addr. |                                     |
| <b>Item NO</b>                                                                                    |                                        | Contacts     | Golsa                               |
|                                                                                                   |                                        | Contact      |                                     |

Pump model TD150-42/4

Part NO. 1100320018

Product price

Quantity 1

Total price

Inquiry notes