

|                                                                                  |                                                          |              |                                      |
|----------------------------------------------------------------------------------|----------------------------------------------------------|--------------|--------------------------------------|
|  | <b>Product Information</b><br><b>150WQ300-16-22JY(I)</b> | Manufacturer | CNP                                  |
|                                                                                  |                                                          | Address      | Yuhang District, Hangzhou, Zhejiang, |
|                                                                                  |                                                          | Contact      | 86-571-88637351                      |
|                                                                                  |                                                          | Date         | 2022/03/09                           |
| Project Name                                                                     |                                                          | Client Name  | DPA                                  |
| Item NO                                                                          |                                                          | Client Addr. |                                      |
|                                                                                  |                                                          | Contacts     | Alireza                              |
|                                                                                  |                                                          | Contact      |                                      |

|          |                  |
|----------|------------------|
| Part NO. | 150WQ300-16-22JY |
|----------|------------------|

|                                                                                   |                                                                                                                                                                                                                                                       |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Picture                                                                   | Note                                                                                                                                                                                                                                                  |
|  | <p>The sewage submersible pump is composed of two parts: the motor and the pump.</p> <p>The two are separated by an oil chamber and a mechanical seal assembly.</p> <p>Divided into fixed automatic coupling installation and mobile installation</p> |

#### technology

|                     |      |
|---------------------|------|
| Pump rotator speed  | 1460 |
| Nameplate standards | CE   |

#### Material

|             |        |
|-------------|--------|
| Impeller    | HT200  |
| Pump shaft  | 20cr13 |
| Rubber code | P      |
| Pump case   | HT200  |

#### Installation

|                              |         |
|------------------------------|---------|
| Connection Code              | F       |
| Maximum Pressure/Temperature | 6bar/40 |
| Flange Standard              | DIN     |
| Pressure Class               | PN6     |

#### Medium

|                            |    |
|----------------------------|----|
| Medium Temperature         | 40 |
| Maximum diameter of partic | 65 |
| Maximum Environment Temper | 40 |

#### Structure dimension

|                  |       |
|------------------|-------|
| Standard caliber | DN    |
| Outlet Diameter  | DN150 |

#### Motor

|                       |             |
|-----------------------|-------------|
| Number of Motor Phase | Three Phase |
| Protection Class      | IP68        |
| Insulation Class      | F           |
| Motor Power           | 22          |
| Power Frequency       | 50HZ        |
| Rated Voltage (V)     | 380V        |
| Rated Current (A)     | 43.1        |
| Starting mode         | direct boot |

#### Seal

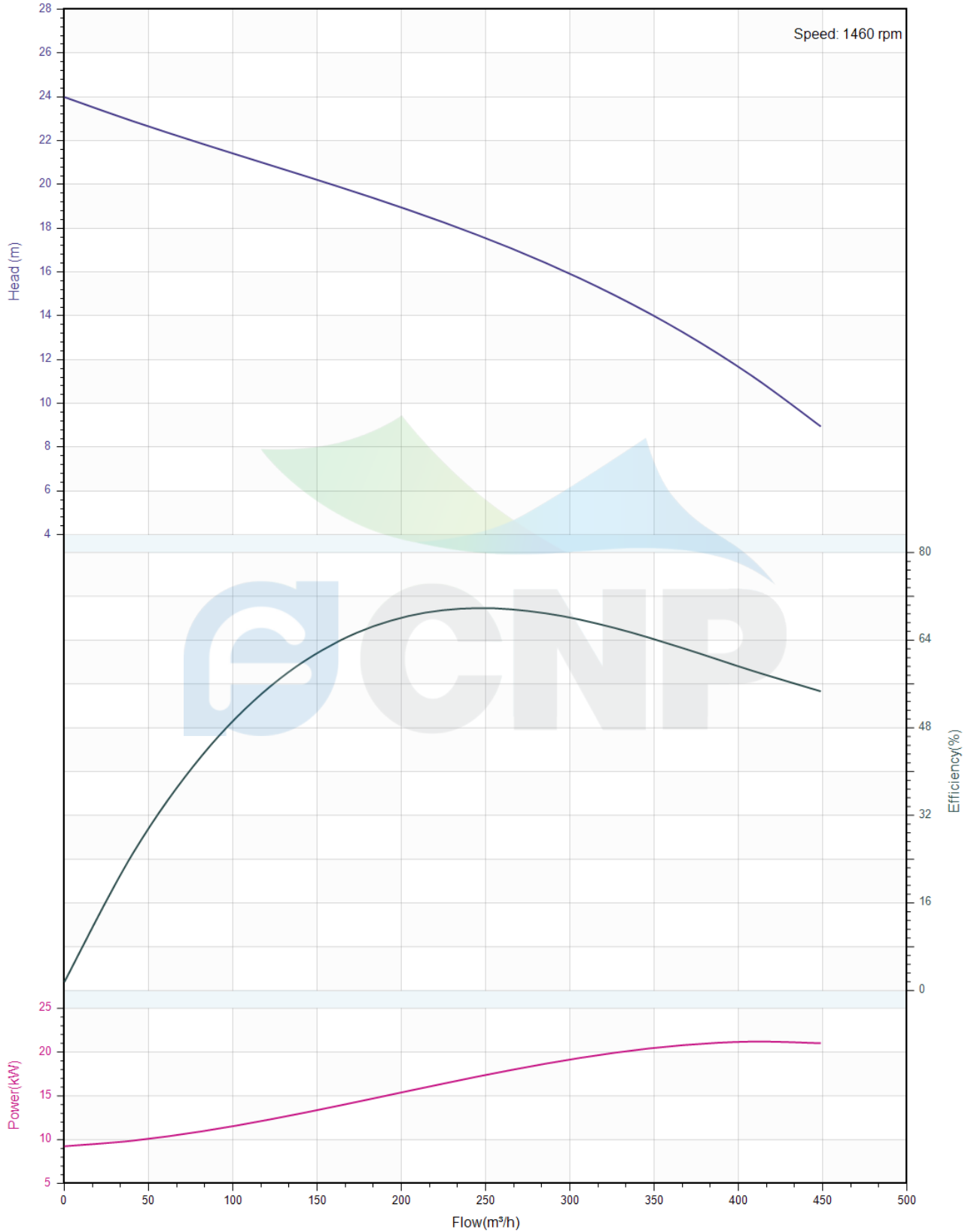
|                 |      |
|-----------------|------|
| Mechanical Seal | H-50 |
|-----------------|------|

#### Others

|             |     |
|-------------|-----|
| Weight (kg) | 326 |
|-------------|-----|

|                                                                                  |                                                        |              |                                      |
|----------------------------------------------------------------------------------|--------------------------------------------------------|--------------|--------------------------------------|
|  | <b>Performance Curve</b><br><b>150WQ300-16-22JY(I)</b> | Manufacturer | CNP                                  |
|                                                                                  |                                                        | Address      | Yuhang District, Hangzhou, Zhejiang, |
|                                                                                  |                                                        | Contact      | 86-571-88637351                      |
|                                                                                  |                                                        | Date         | 2022/03/09                           |
|                                                                                  |                                                        | Client Name  | DPA                                  |
| Project Name                                                                     |                                                        | Client Addr. |                                      |
| Item NO                                                                          |                                                        | Contacts     | Alireza                              |
|                                                                                  |                                                        | Contact      |                                      |

The hydraulic performance curve have been tested with Clean Water at 20°C, density 1000kg/m<sup>3</sup>, and at 1bar atmospheric pressure. ISO99062012 Grade 3B



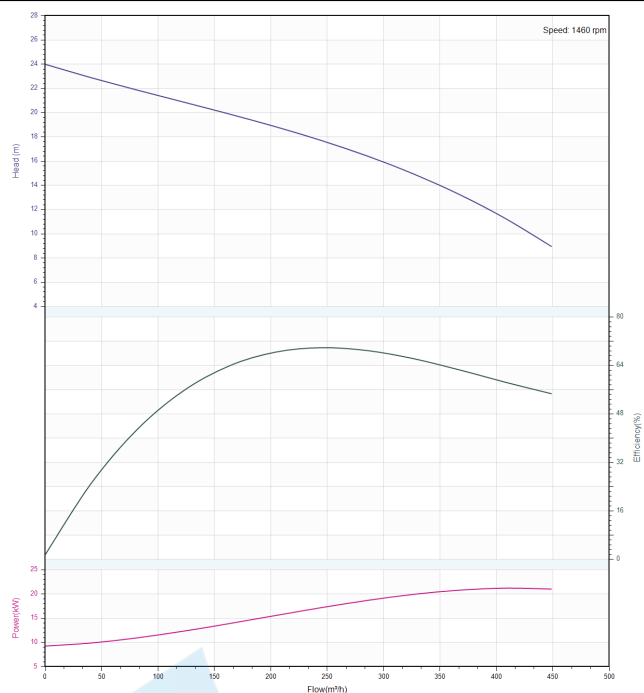
|                                                                                  |                                                                |              |                                      |
|----------------------------------------------------------------------------------|----------------------------------------------------------------|--------------|--------------------------------------|
|  | <b>Pump Technical Parameters</b><br><b>150WQ300-16-22JY(I)</b> | Manufacturer | CNP                                  |
|                                                                                  |                                                                | Address      | Yuhang District, Hangzhou, Zhejiang, |
|                                                                                  |                                                                | Contact      | 86-571-88637351                      |
|                                                                                  |                                                                | Date         | 2022/03/09                           |
| Project Name                                                                     |                                                                | Client Name  | DPA                                  |
| Item NO                                                                          |                                                                | Client Addr. |                                      |
|                                                                                  |                                                                | Contacts     | Alireza                              |
|                                                                                  |                                                                | Contact      |                                      |

#### Rated parameters

|                                |                     |
|--------------------------------|---------------------|
| Pump model                     | 150WQ300-16-22JY(I) |
| Part NO.                       | 150WQ300-16-22JY    |
| Rated flow (m <sup>3</sup> /h) | 300                 |
| Rated head (m)                 | 16                  |
| Rated efficiency (%)           | 70                  |
| Power (kW)                     | 18.69               |
| NPSHr (m)                      | 2                   |
| Speed (rpm)                    | 1460                |

#### Medium

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

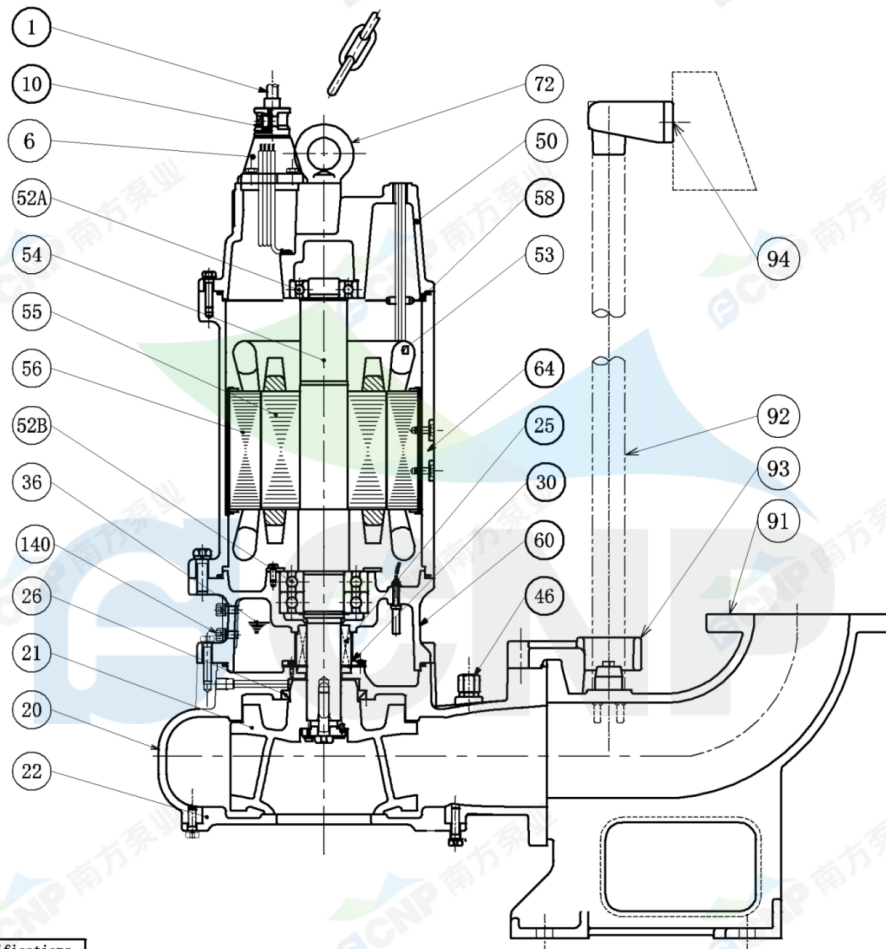




|                                                                                  |                                                        |              |                                      |
|----------------------------------------------------------------------------------|--------------------------------------------------------|--------------|--------------------------------------|
|  | <b>Structure picture</b><br><b>150WQ300-16-22JY(I)</b> | Manufacturer | CNP                                  |
|                                                                                  |                                                        | Address      | Yuhang District, Hangzhou, Zhejiang, |
|                                                                                  |                                                        | Contact      | 86-571-88637351                      |
|                                                                                  |                                                        | Date         | 2022/03/09                           |
| Project Name                                                                     |                                                        | Client Name  | DPA                                  |
| Item NO                                                                          |                                                        | Client Addr. |                                      |
|                                                                                  |                                                        | Contacts     | Alireza                              |
|                                                                                  |                                                        | Contact      |                                      |

 **CNP Nanfang Zhongjin Environment Co., Ltd.**

|      |                         |       |           |
|------|-------------------------|-------|-----------|
|      | SECTIONAL DRAWING       | No.   | No.       |
| TYPE | submersible sewage pump | MODEL | 18.5/22KW |



| order specifications |  |  |  |
|----------------------|--|--|--|
|                      |  |  |  |

| No. | names of parts      | number | material             | No. | names of parts        | number | material                |
|-----|---------------------|--------|----------------------|-----|-----------------------|--------|-------------------------|
| 1   | cable               | 1      | YZW                  | 20  | casing                | 1      | HT200                   |
| 6   | cable sleeve        | 1      | HT200                | 21  | impeller              | 1      | HT200                   |
| 50  | top cover           | 1      | HT200                | 26  | framework oil seal    | 1      | NBRI-2                  |
| 58  | cable transit board | 1      | Q235                 | 140 | oil filler plug       | 2      | SUS304                  |
| 64  | base                | 1      | HT200                | 36  | machine oil 32#       |        |                         |
| 25  | mechanical seal     | 1      | Carbon/SIC           | 52B | lower bearing         | 2      |                         |
| 60  | lower cover         | 1      | HT200                | 56  | stator                | 1      |                         |
| 30  | oil lift            | 1      |                      | 55  | rotor                 | 1      |                         |
| 46  | Air release bolt    | 1      |                      | 54  | shaft                 | 1      |                         |
| 94  | guiding             | 1      | HT200                | 53  | Mini-thermalprotector | 1      |                         |
| 92  | pipe                | 1      | SUS304(unaffiliated) | 52A | upper bearing         | 1      |                         |
| 93  | guide hook          | 1      | HT200                | 72  | eye bolt              | 2      | 45#(forging galvanized) |
| 91  | water outlet base   | 1      | HT200                | 95  | lift chain            | 1      | SUS304                  |
| 22  | water inlet cover   | 1      | HT200                | 10  | 电缆线锁紧块                | 2      | HT200                   |

Nanfang Zhongjin Environment CO.,LTD.

unit: mm

