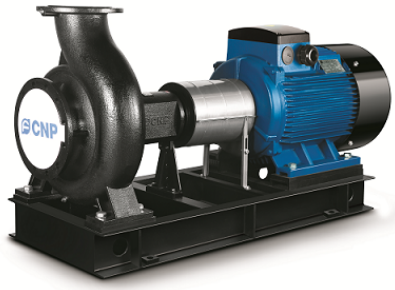
| CNP 南方泵业 | Product Information<br>NM80-315/160 | Manufacturer | Nanfang Pump Industry Co.,Ltd (CNP) |
|---|---|---|---|
| | | Address | Hangzhou, Zhejiang, China |
| | | Contact | 86-571-88637351 |
| | | Date | 2026/11/15 |
| Project Name | | Client Name | |
| | | Client Addr. | |
| Item NO | | Contacts | Golsad |
| | | Contact | |

| Part NO. | 1100317416 |
|---|---|
| Product Picture: (Note: Images may not be the same as the product) | Note |



The NM series is a new generation, high efficiency, horizontal single-stage single-suction centrifugal pump independently developed by referring to the European standard EN733.

This series of products uses a new hydraulic and structural design, the pump minimum energy efficiency index MEI ≥0.4, of which 75% model MEI ≥0.6.

This series of pumps has the characteristics of energy saving, low noise, compact structure, beautiful appearance, easy operation and maintenance, and high reliability.

## Technology

| | |
|---|---|
| Pump rotator speed | 2950 |
| Nameplate standards | CE |

## Material

| | |
|---|---|
| Pump body | QT500-7 |
| Pump cover | HT200 |
| Impeller | 304 |
| Pump shaft | 20Cr13 |
| Rubber code | NBR |
| Material Code | S |

## Installation

| | |
|---|---|
| Maximum Operation Pressure | 16bar |

## Medium

| | |
|---|---|
| Medium Temperature | -15°C~110°C |
| Inlet & outlet size types | DN |
| Inlet Bore | DN100 |
| Outlet Diameter | DN80 |
| Rotation Direction | Clockwise rotation viewed from motor end |
| Expolded view | NM exploded view |

## Motor

| | |
|---|---|
| Number of Motor Phase | Three Phase |
| Protection Class | IP55 |
| Insulation Class | F |
| Motor Power(kW) | 160KW |
| Motor model | YE3 |
| Power Frequency(Hz) | 50HZ |
| Rated Voltage (V) | 380V |
| Rated Current (A) | 279 |
| Energy Efficiency Level | IE3 |

## Seal

| | |
|---|---|
| Mechanical Seal | NM-53/B1SE4 |

## Others

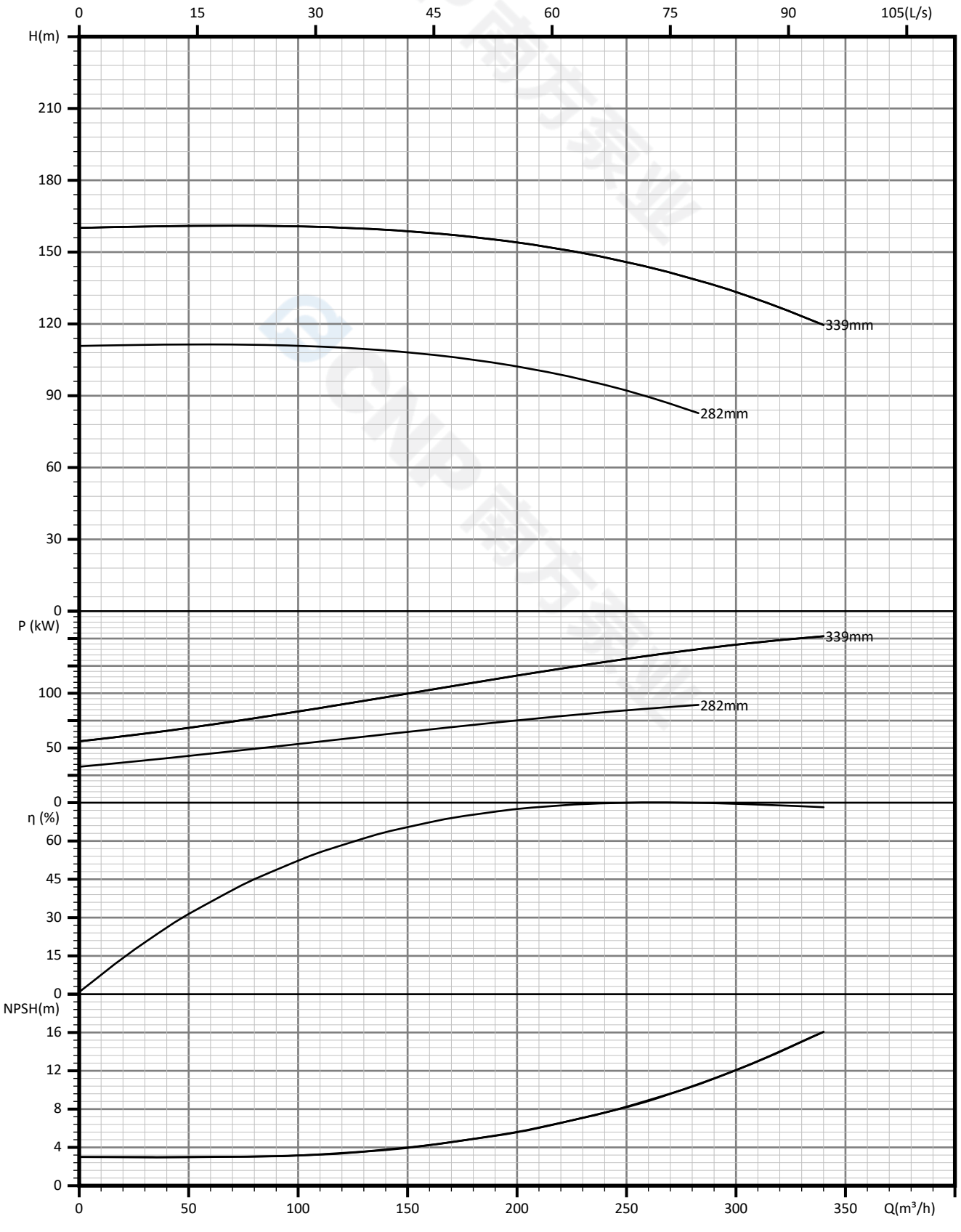
| | |
|---|---|
| Weight (kg) | 1468 |



The manufacturer may change the dimensions and specifications without notice.

| CNP 南方泵业 | Performance Curve<br>NM80-315/160 | Manufacturer | Nanfang Pump Industry Co.,Ltd (CNP) |
|---|---|---|---|
| | | Address | Hangzhou, Zhejiang, China |
| | | Contact | 86-571-88637351 |
| | | Date | 2026/11/15 |
| Project Name | | Client Name | |
| | | Client Addr. | |
| Item NO | | Contacts | Golsad |
| | | Contact | |

The hydraulic performance curve have been tested with water at 20°C, density 1000kg/m³,and at 1bar at mospherical pressure.
IS099062012 Grade 3B



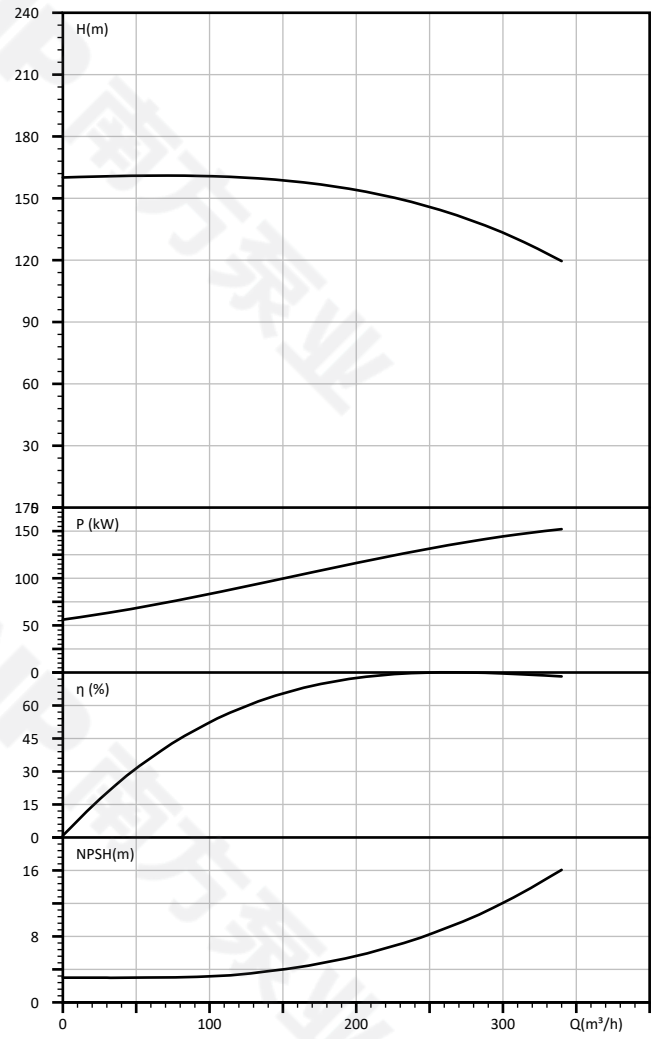



The manufacturer may change the dimensions and specifications without notice.

| CNP 南方泵业 | Pump Technical Parameters<br>NM80-315/160 | Manufacturer | Nanfang Pump Industry Co.,Ltd (CNP) |
|---|---|---|---|
| | | Address | Hangzhou, Zhejiang, China |
| | | Contact | 86-571-88637351 |
| | | Date | 2026/11/15 |
| **Project Name** | | Client Name | |
| | | Client Addr. | |
| **Item NO** | | Contacts | Golsad |
| | | Contact | |

| **Rated parameters** | |
|---|---|
| Pump model | NM80-315/160 |
| Part NO. | 1100317416 |
| Rated flow | 268 m³/h |
| Rated head | 142 m |
| Rated Eta | 77 % |
| Rated Power | 135 kW |
| NPSHr | 9.5 m |
| Speed | 2950 rpm |
| Max impeller diameter | 339 mm |

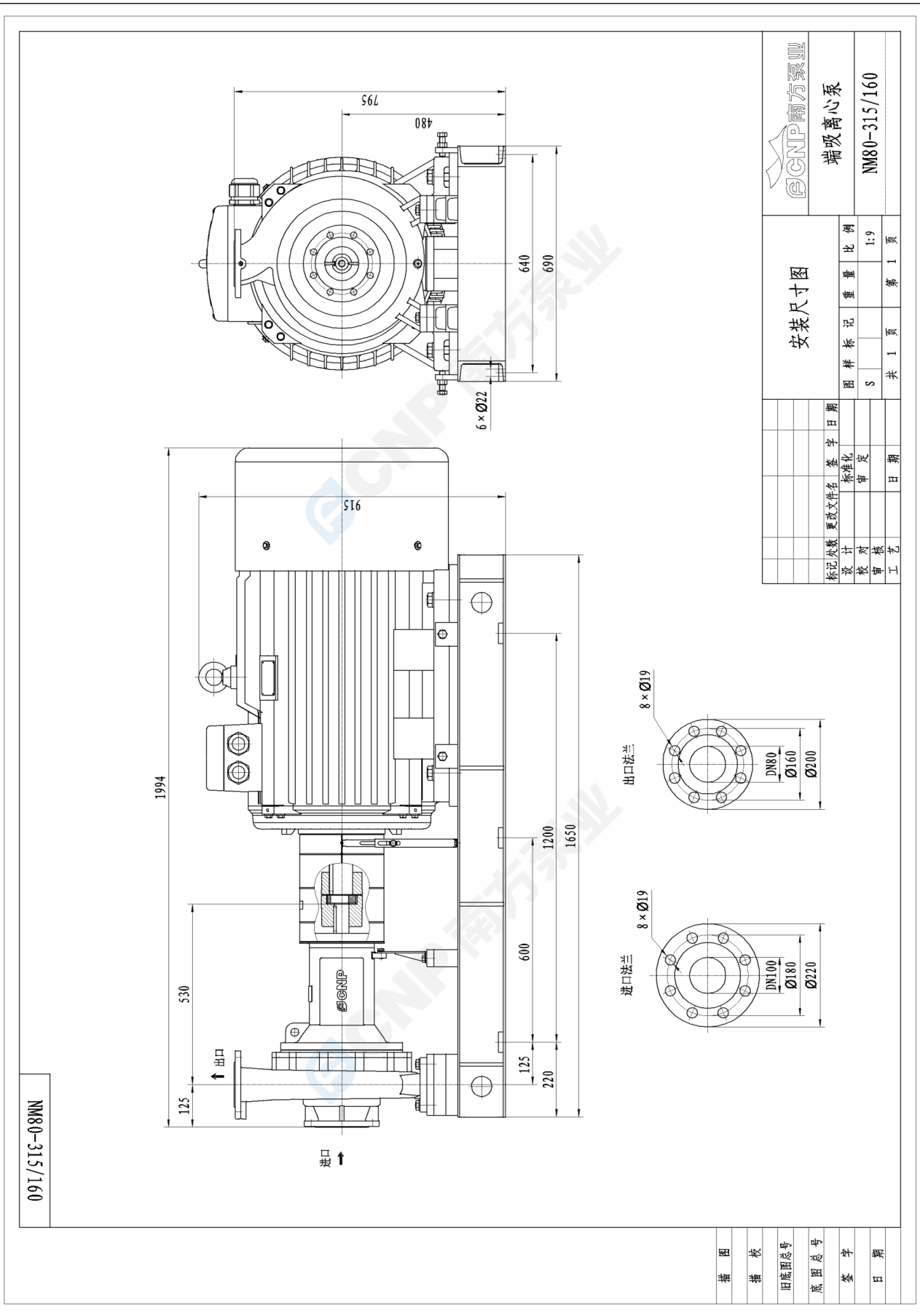
| **Medium** | |
|---|---|
| Pumped medium | water |
| Working temperature | 20 °C |
| Medium density | 1000 kg/m³ |
| Viscosity | 1 mm²/s |






The manufacturer may change the dimensions and specifications without notice.

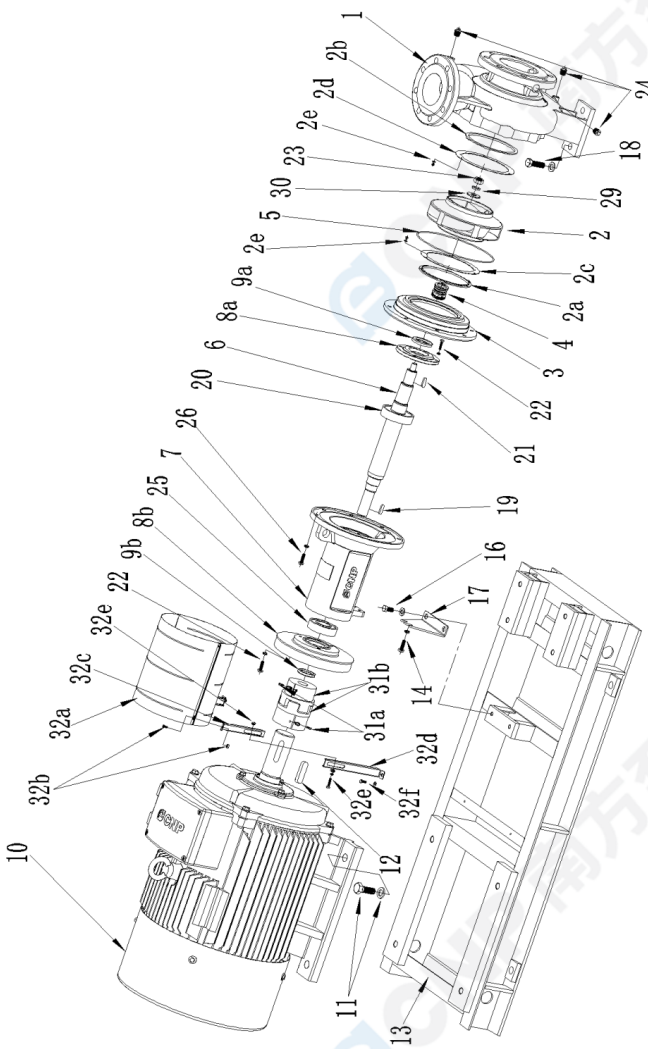
| | | | |
|---|---|---|---|
| CNP 南方泵业 | **Dimension Drawing**<br>**NM80-315/160** | Manufacturer | Nanfang Pump Industry Co.,Ltd (CNP) |
| | | Address | Hangzhou, Zhejiang, China |
| | | Contact | 86-571-88637351 |
| | | Date | 2026/11/15 |
| **Project Name** | | Client Name | |
| | | Client Addr. | |
| **Item NO** | | Contacts | Golsad |
| | | Contact | |






The manufacturer may change the dimensions and specifications without notice.

| | | | |
|---|---|---|---|
| CNP 南方泵业 | Expolded view<br>NM80-315/160 | Manufacturer | Nanfang Pump Industry Co.,Ltd (CNP) |
| | | Address | Hangzhou, Zhejiang, China |
| | | Contact | 86-571-88637351 |
| | | Date | 2026/11/15 |
| Project Name | | Client Name | |
| | | Client Addr. | |
| Item NO | | Contacts | Golsad |
| | | Contact | |



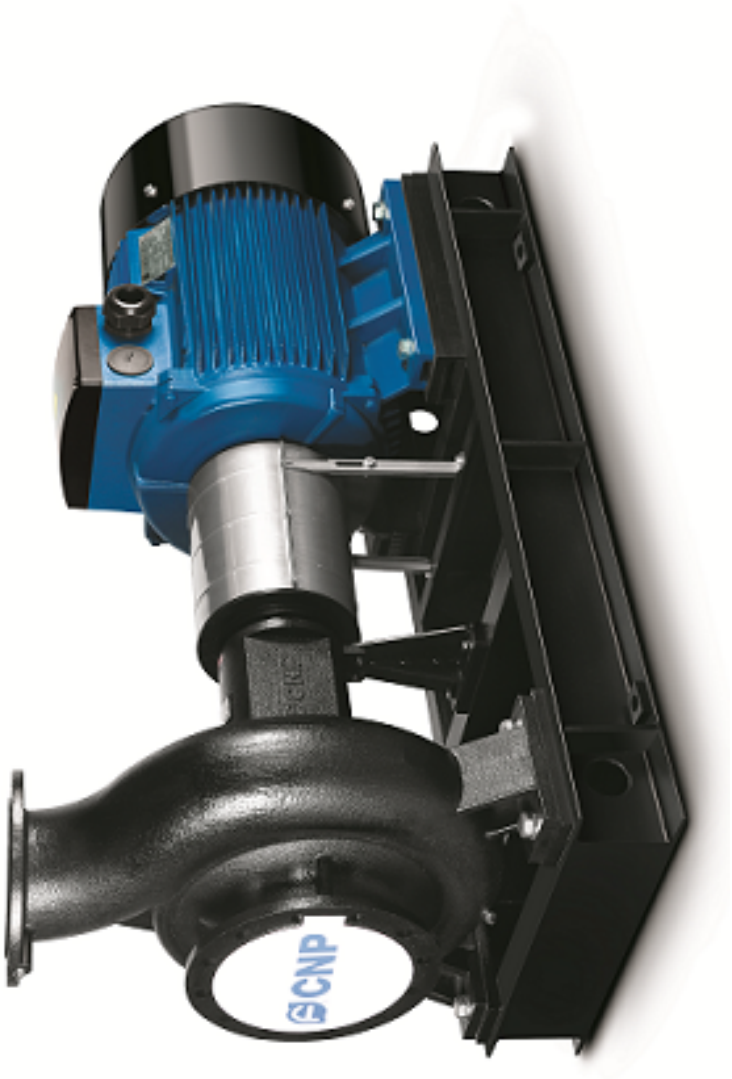

1. Casing
2. Impeller
2a. Back wear ring
2b. Front wear ring
2c. Wear ring cover
2d. Wear ring cover
2e. Nut, washer
3. Casing cover
4. Mechanical seal
5. O ring
6. Shaft
7. Bearing house
8a. Bearing plate
8b. Bearing outer
9a. Oil seal
9b. Oil seal
10. Motor
11. Screw, washer
12. Key(motor)
13. Base
14. Screw, washer
16. Screw, washer
17. Supporter
19. Key
20. Bearing
21. Key
22. Screw, washer
23. Nut
24. Pipe plug
25. Bearing
26. Screw, washer
29. Spring washer
30. Impeller washer
31a. Hexagon socket head cap screws
31b. Coupling
32a. Coupling guard
32b. Screw, washer
32c. Upper supporter
32d. Lower supporter
32e. Screw, washer, nut
32f. Screwe, washer

E-NM-221122



The manufacturer may change the dimensions and specifications without notice.

| | | | |
|---|---|---|---|
| CNP 南方泵业 | Physical picture<br>NM80-315/160 | Manufacturer | Nanfang Pump Industry Co.,Ltd (CNP) |
| | | Address | Hangzhou, Zhejiang, China |
| | | Contact | 86-571-88637351 |
| | | Date | 2026/11/15 |
| Project Name | | Client Name | |
| | | Client Addr. | |
| Item NO | | Contacts | Golsad |
| | | Contact | |






The manufacturer may change the dimensions and specifications without notice.

| CNP 南方泵业 | Order Data<br>NM80-315/160 | Manufacturer | Nanfang Pump Industry Co.,Ltd (CNP) |
|---|---|---|---|
| | | Address | Hangzhou, Zhejiang, China |
| | | Contact | 86-571-88637351 |
| | | Date | 2026/11/15 |
| **Project Name** | | Client Name | |
| | | Client Addr. | |
| **Item NO** | | Contacts | Golsad |
| | | Contact | |

| | |
|---|---|
| Pump model | NM80-315/160 |
| Part NO. | 1100317416 |
| Product price | |
| Quantity | 1 |
| Total price | |

Inquiry notes