| CNP 南方泵业 | Product Information<br>CDS20-3 | Manufacturer | Nanfang Pump Industry Co.,Ltd (CNP) |
|---|---|---|---|
| | | Address | Hangzhou, Zhejiang, China |
| | | Contact | 86-571-88637351 |
| | | Date | 2026/10/07 |
| Project Name | | Client Name | |
| | | Client Addr. | |
| Item NO | | Contacts | Laya |
| | | Contact | |

| Part NO. | 1100107223 |
|---|---|
| Product Picture: (Note: Images may not be the same as the product) | Note |
|  | CDS pumps are designed for a variety of applications from the pumping of potable water to the pumping of industrial liquids.<br>Applied for liquids of different rated flow, different pressure range.<br>It is energy saving, low noise, environment friendly, compact design, light weight, easy for service, high reliability. |

## Nameplate parameters

| | |
|---|---|
| Flow | 20 m³/h |
| Head | 35 m |
| Unit Eta | 65.4 % |
| Speed | 2900 rpm |
| Number of stages | 3 |

## Technology

| | |
|---|---|
| Pump rotator speed | 2900 |
| Nameplate standards | GE |
| Pump version | 1 |

## Material

| | |
|---|---|
| Impeller | 304 |
| Rubber code | P |
| Inlet&outlet chamber | HT200 |

## Installation

| | |
|---|---|
| Connection Code | L |
| Maximum Pressure/Temperature (high temperature) | 10bar/70°C |
| Maximum Pressure/Temperature (low temperature) | 10 bar / -15 °C |
| Flange Standard | G |
| Pressure Class | PN10 |
| Inlet & outlet | G2 |

## Medium

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

| | |
|---|---|
| Expolded view | E-CDS8~20 exploded view180101 |

## Motor

| | |
|---|---|
| Number of Motor Phase | Three Phase |
| Protection Class | IP55 |
| Insulation Class | F |
| Motor Power(kW) | 4KW |
| Power Frequency(Hz) | 50HZ |
| Rated Voltage (V) | 380V |
| Rated Current (A) | 8.0A |
| Energy Efficiency Level | IE2 |



The manufacturer may change the dimensions and specifications without notice.

| CNP 南方泵业 | Product Information<br>CDS20-3 | Manufacturer | Nanfang Pump Industry Co.,Ltd (CNP) |
|---|---|---|---|
| | | Address | Hangzhou, Zhejiang, China |
| | | Contact | 86-571-88637351 |
| | | Date | 2026/10/07 |
| Project Name | | Client Name | |
| | | Client Addr. | |
| Item NO | | Contacts | Laya |
| | | Contact | |

## Seal

| | |
|---|---|
| Mechanical Seal | CDS-JF17/BSP4 |

## Others

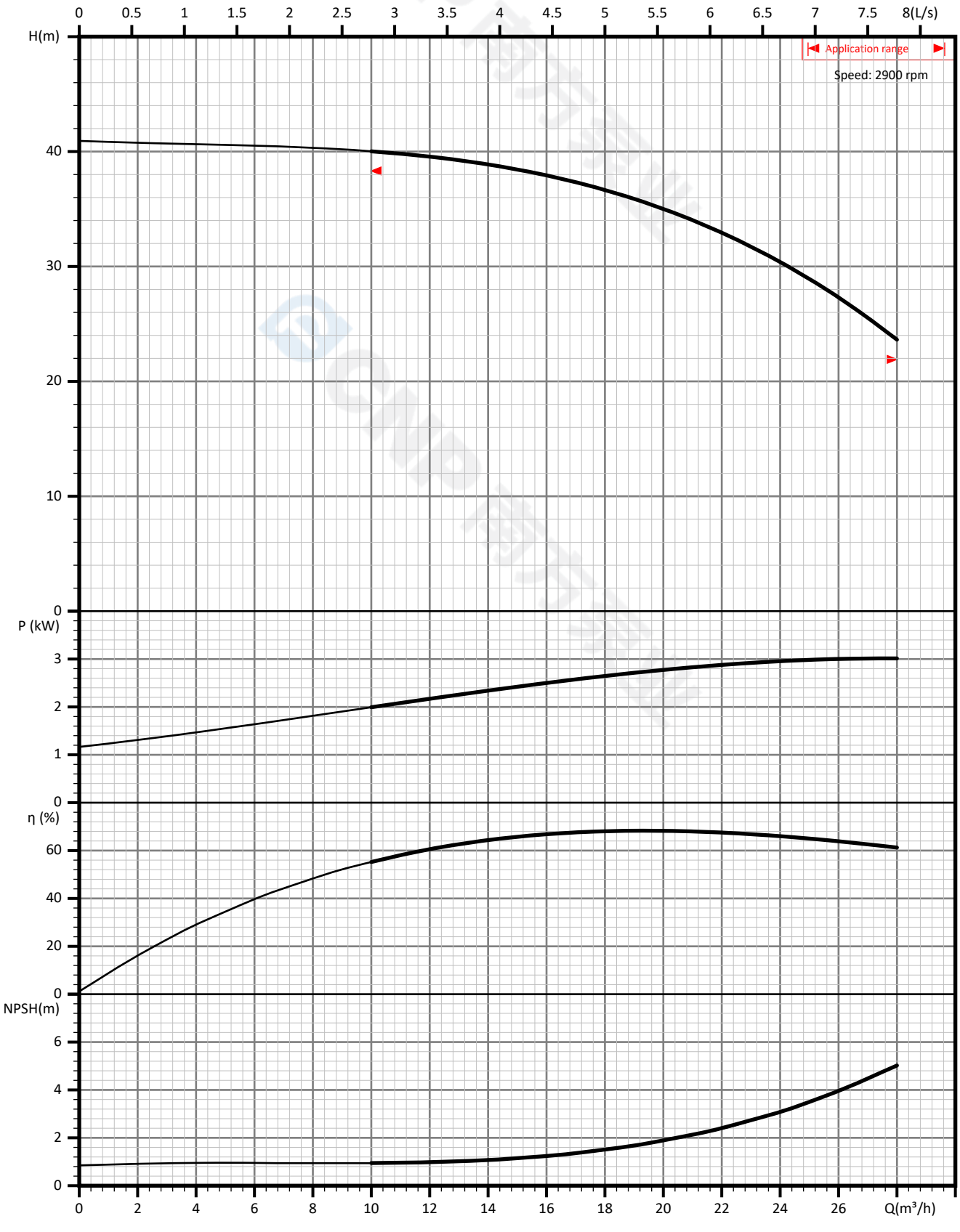
| | |
|---|---|
| Weight (kg) | 47 |



The manufacturer may change the dimensions and specifications without notice.

| CNP 南方泵业 | Performance Curve<br>CDS20-3 | Manufacturer | Nanfang Pump Industry Co.,Ltd (CNP) |
|---|---|---|---|
| | | Address | Hangzhou, Zhejiang, China |
| | | Contact | 86-571-88637351 |
| | | Date | 2026/10/07 |
| Project Name | | Client Name | |
| | | Client Addr. | |
| Item NO | | Contacts | Laya |
| | | 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



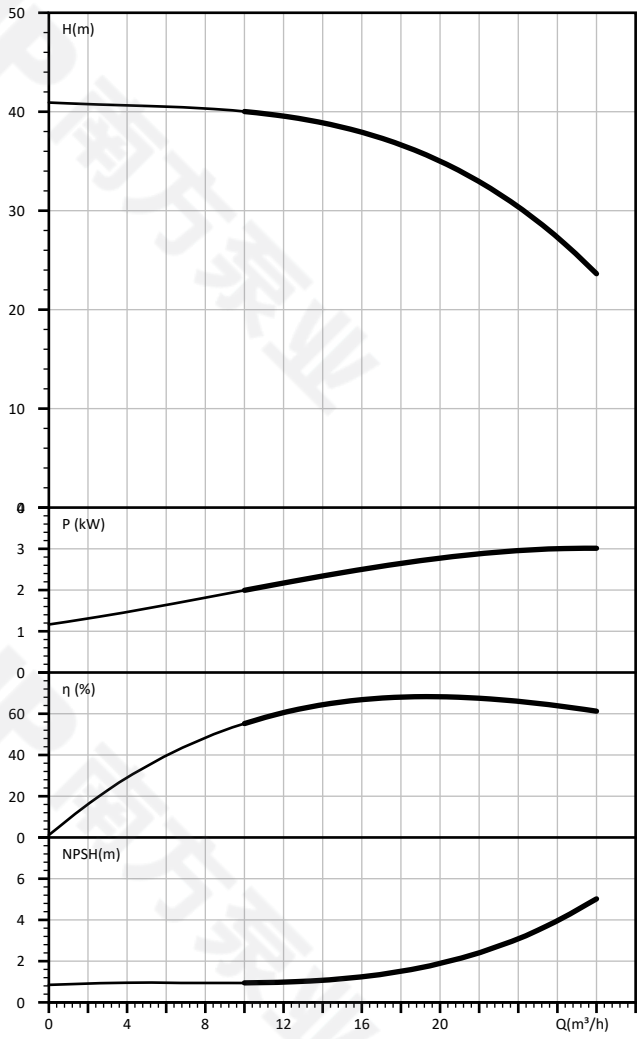



The manufacturer may change the dimensions and specifications without notice.

| CNP 南方泵业 | Pump Technical Parameters<br>CDS20-3 | Manufacturer | Nanfang Pump Industry Co.,Ltd (CNP) |
|---|---|---|---|
| | | Address | Hangzhou, Zhejiang, China |
| | | Contact | 86-571-88637351 |
| | | Date | 2026/10/07 |
| **Project Name** | | Client Name | |
| | | Client Addr. | |
| **Item NO** | | Contacts | Laya |
| | | Contact | |

| **Rated parameters** | |
|---|---|
| Pump model | CDS20-3 |
| Part NO. | 1100107223 |
| Rated flow | 20 m³/h |
| Rated head | 35 m |
| Rated Unit Eta | 65.4 % |
| Rated Input Power | 2.92 kW |
| NPSHr | 2 m |
| Speed | 2900 rpm |
| Max impeller diameter | 106 mm |

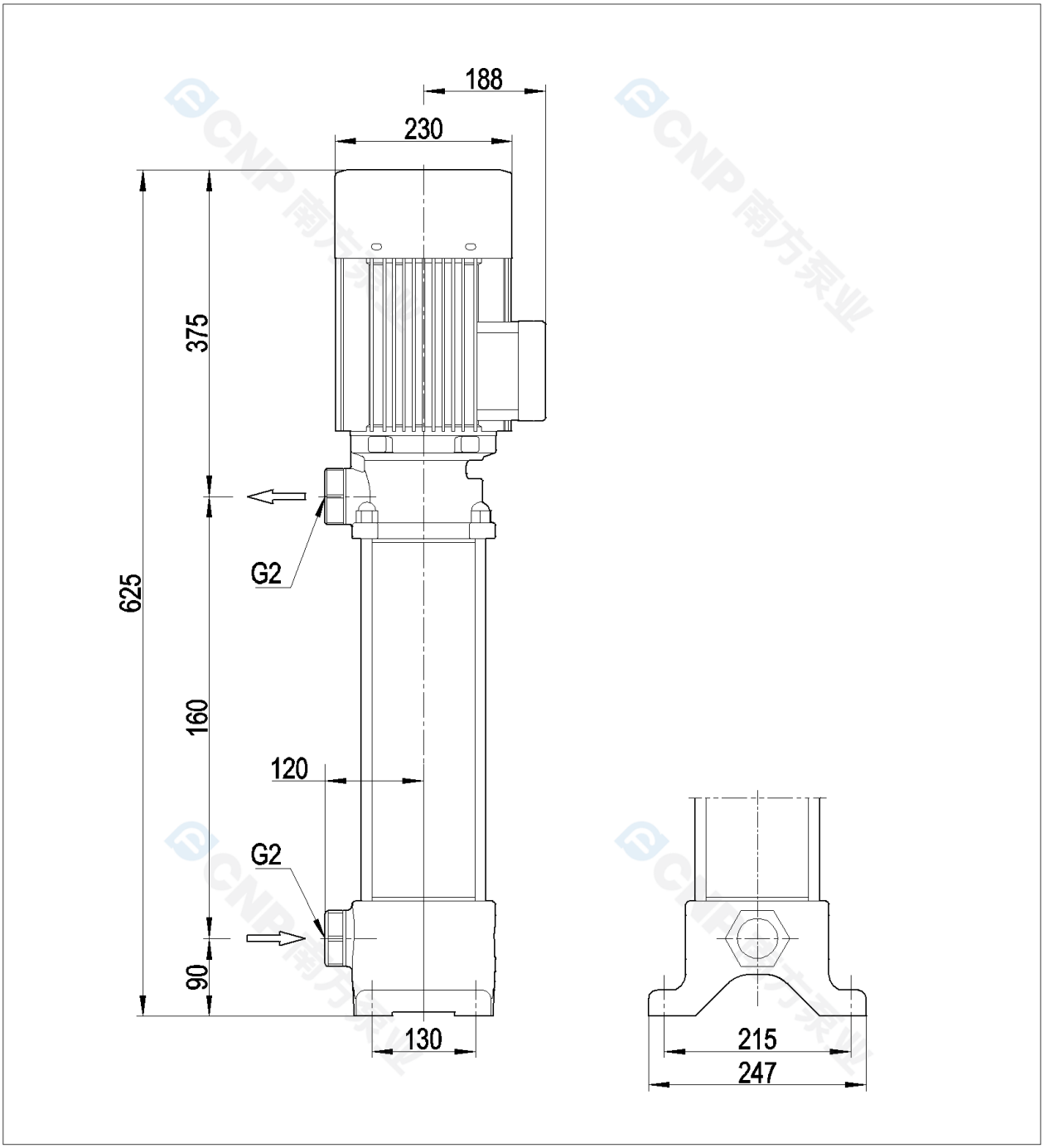
| **Medium** | |
|---|---|
| Pumped medium | water |
| Working temperature | 20 °C |
| Medium density | 1000 kg/m³ |
| Viscosity | 1 mm²/s |






The manufacturer may change the dimensions and specifications without notice.

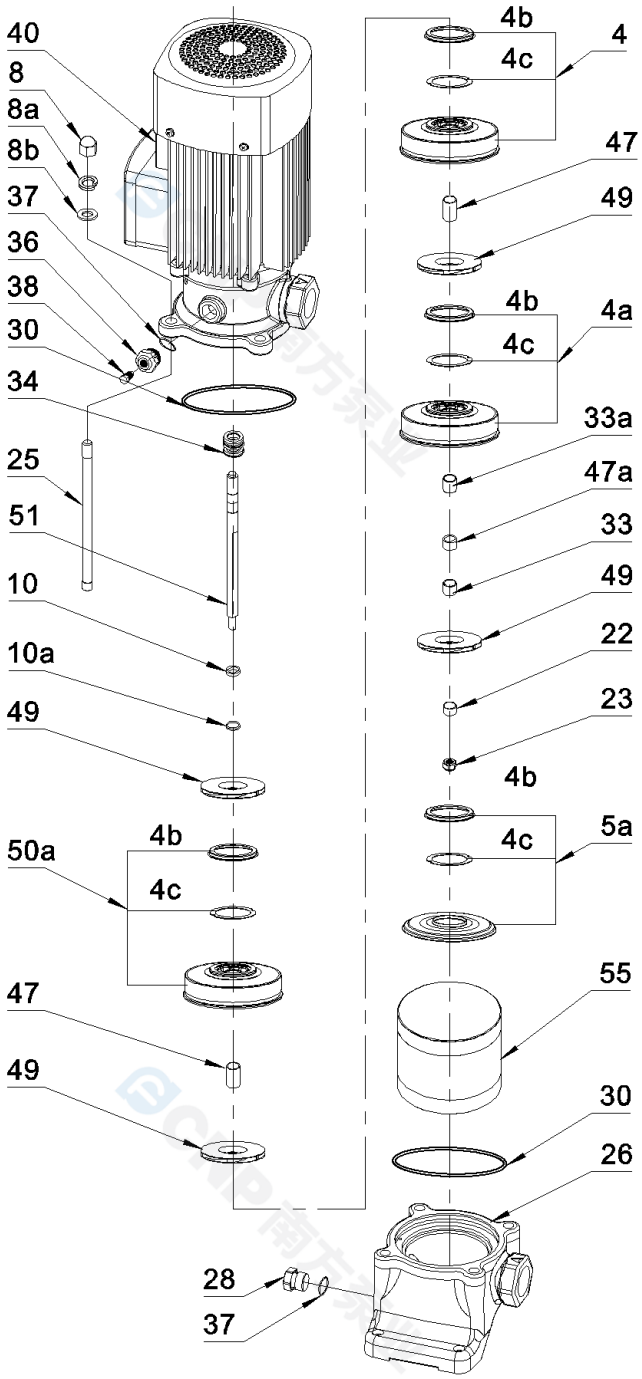
| CNP 南方泵业 | Dimension Drawing<br>CDS20-3 | Manufacturer | Nanfang Pump Industry Co.,Ltd (CNP) |
|---|---|---|---|
| | | Address | Hangzhou, Zhejiang, China |
| | | Contact | 86-571-88637351 |
| | | Date | 2026/10/07 |
| Project Name | | Client Name | |
| | | Client Addr. | |
| Item NO | | Contacts | Laya |
| | | Contact | |






The manufacturer may change the dimensions and specifications without notice.

| CNP 南方泵业 | Expolded view<br>CDS20-3 | Manufacturer | Nanfang Pump Industry Co.,Ltd (CNP) |
|---|---|---|---|
| | | Address | Hangzhou, Zhejiang, China |
| | | Contact | 86-571-88637351 |
| | | Date | 2026/10/07 |
| Project Name | | Client Name | |
| | | Client Addr. | |
| Item NO | | Contacts | Laya |
| | | Contact | |




4、Diffuser
4a、Support diffuser
4b、Neck ring cover
4c、Neck ring
5a、Inducer
8、Cap Nut M12
8a、Spring Washer 12
8b、washer 12
10、Circlip cover
10a、Adjusting shim
22、First impeller cover
23、Nut M8-LH
25、Stay bolt
26、Suction
28、Drainage screw
30、O ring 160×3.55
33、Impeller sleeve(S):
CDS 8/10/12/16
Impeller sleeve(L):
CDS 15/20
33a、Impeller sleeve(L):
CDS 8/10/12
Impeller sleeve:
CDS 15/16/20
34、Mechanical seal
36、Air vent nut
37、O ring 16×2.8
38、Air vent screw
40、Motor
47、Impeller sleeve
47a、Bearing
49、Impeller
50a、Top diffuser
(Apply only to CDS 20)
51、Shaft
55、Cylinder

# E-CDS8,10,12,15,16,20-180101



The manufacturer may change the dimensions and specifications without notice.

| CNP 南方泵业 | Physical picture<br>CDS20-3 | Manufacturer | Nanfang Pump Industry Co.,Ltd (CNP) |
|---|---|---|---|
| | | Address | Hangzhou, Zhejiang, China |
| | | Contact | 86-571-88637351 |
| | | Date | 2026/10/07 |
| Project Name | | Client Name | |
| | | Client Addr. | |
| Item NO | | Contacts | Laya |
| | | Contact | |





The manufacturer may change the dimensions and specifications without notice.

| CNP 南方泵业 | Order Data<br>CDS20-3 | Manufacturer | Nanfang Pump Industry Co.,Ltd (CNP) |
|---|---|---|---|
| | | Address | Hangzhou, Zhejiang, China |
| | | Contact | 86-571-88637351 |
| | | Date | 2026/10/07 |
| **Project Name** | | Client Name | |
| | | Client Addr. | |
| **Item NO** | | Contacts | Laya |
| | | Contact | |

| | |
|---|---|
| Pump model | CDS20-3 |
| Part NO. | 1100107223 |
| Product price | |
| Quantity | 1 |
| Total price | |

Inquiry notes