



# CDL 50Hz

Light Vertical Multistage Centrifugal Pump

# CDLF



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Special Pump Industry Co.,Ltd.

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E090302

The technical data are subject to amend without notice.

Supplierfilter

## Company Profile



Hangzhou Nanfang Special Pump Industry Co.,Ltd. is specialized in manufacture of stainless steel multistage pumps, integrating scientific research, production and marketing. Since its establishment ten years ago, the company has devoted considerable efforts to innovation and management. The company has successfully developed various kinds of pumps which are applicable to industrial and mining enterprises, municipal water supply, farm irrigation, petrochemical engineering, domestic water and fire water supply of high buildings, industrial water treatment, water purification, pharmaceutical industry, boiler, air-conditioning system etc. The main performances of CDL series stainless steel multistage vertical pump, TD in-line circulation pump, SJ series stainless steel multistage deep-well submersible pump, CDLK, CDLKF immersion type multi-stage centrifugal pump, CHL/CHLK/CHLF series stainless steel multistage horizontal pumps and QY series stainless steel pump conveying mixed gas and liquid, ZS series stainless steel horizontal single-stage centrifugal pump, MS series light stainless steel horizontal single-stage centrifugal pump, have fully reached international advanced level.

Besides designing pumps with advanced tools such as three-dimensional CAD and CFD software, the company boasts a complete set of precision manufacturing and inspection equipment. With perfect quality control system, the company has passed ISO9001 Quality System Certification, ISO14001 Environment Management System Certificate, and obtained CE Mark also. The company sell products well not only at home, but also in foreign countries, Europe, America, Southeastern Asia etc, gaining popularity due to their excellent quality, good credit standing and considerate after-sales service.

The company has established a wide sales and service network which has representative offices and service centers. Offices and service centers are set in all large and medium-scale cities, aiming to providing timely and satisfactory service for customers.

Satisfying customers will be eternal pursuit of the company. Looking forward to the future, the company will further keep up its fine tradition and persist in its business principle of "quality first, credit first and clients first" to offer customers products of high quality and more considerate services.

**Nanfang pump, an international brand worthy of your trust!**

# Content

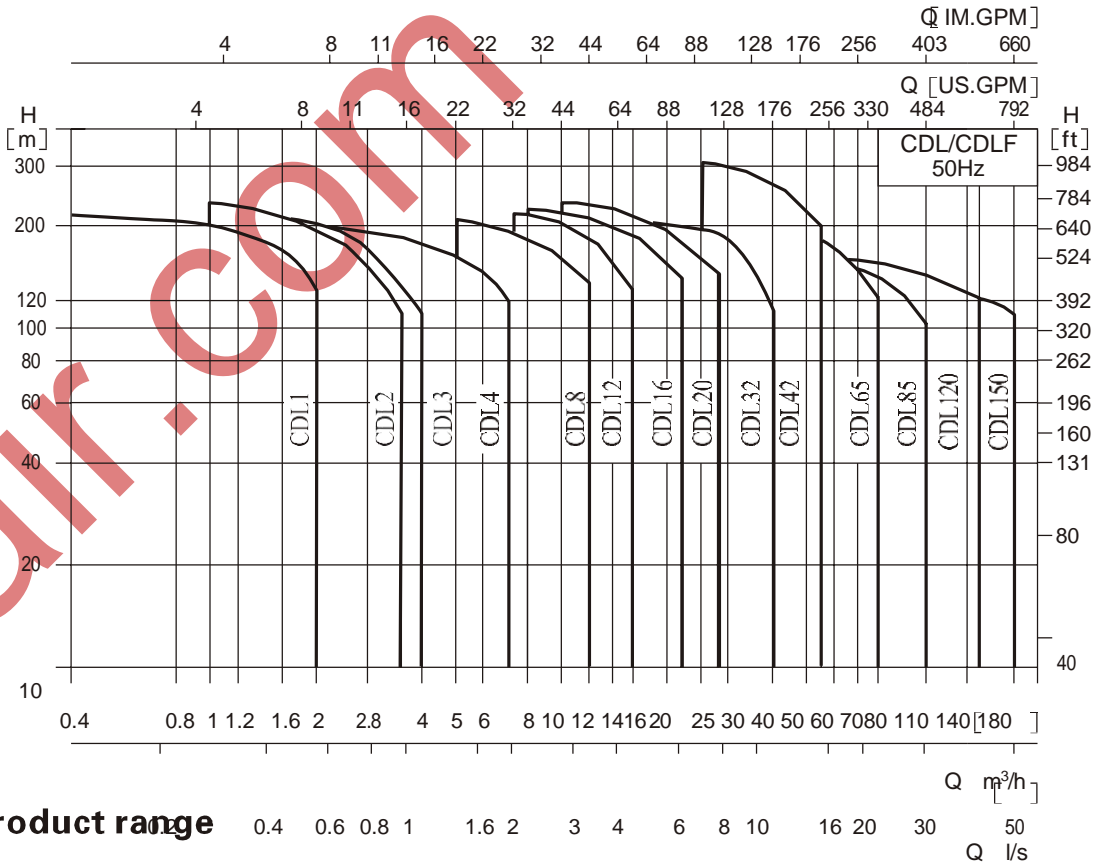
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● Performance scope



● Product range

|                     | CDL1      | CDL2      | CDL3     | CDL4     | CDL8     | CDL12   | CDL16   | CDL20    | CDL32    | CDL42    | CDL65    | CDL85     | CDL120    | CDL150 |        |
|---------------------|-----------|-----------|----------|----------|----------|---------|---------|----------|----------|----------|----------|-----------|-----------|--------|--------|
| Rated flow [m³/h]   | 1         | 0.36      | 3        | 4        | 8        | 12      | 16      | 20       |          |          | 42       | 65        | 85        | 120    | 150    |
| Rated flow [l/s]    | 0.28      | 1-3.5     | 0.83     | 1.1      | 2.2      | 3.3     | 4.4     | 5.6      |          |          | 11.7     | 18        | 24        | 33     | 41.6   |
| Flow range [m³/h]   | 0.11-0.56 | 0.28-0.97 | 1.2-4    | 1.5-7    | 5-12     | 7-16    | 8-22    | 10-28    |          |          | 25-55    | 30-80     | 50-110    | 60-150 | 80-180 |
| Flow range [l/s]    | 0.4-2     | 23        | 0.33-1.1 | 0.42-1.9 | 1.4-3.3  | 1.9-4.4 | 2.2-6.1 | 2.8-7.8  | 4.4-11.1 | 6.9-15.3 | 8.3-22.2 | 13.8-30.5 | 16.7-41.7 | 22-50  |        |
| Max. pressure [bar] |           |           | 22       | 21       | 21       | 22      | 22      | 23       |          |          | 30       | 22        | 17        | 16     | 16     |
| Motor power [kW]    |           |           | 0.37-3   | 0.37-4   | 0.75-7.5 | 1.5-11  | 2.2-15  | 1.1-18.5 |          |          | 3.0-45   | 4.0-45    | 5.5-45    | 11-75  | 11-75  |
| Max. efficiency [%] | 44        | 46        |          |          |          |         |         |          |          |          |          |           |           |        |        |

|      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |    |
|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|----|
| Type |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 74 | 73 |
|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|----|

|      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CDL  | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| CDLF | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

|                       |      |      |      |        |        |      |      |      |      |      |      |       |       |       |       |
|-----------------------|------|------|------|--------|--------|------|------|------|------|------|------|-------|-------|-------|-------|
| DIN Flange connection | DN25 | DN25 | DN25 | DN32   | DN40   | DN50 | DN50 | DN50 | DN50 | DN65 | DN80 | DN100 | DN100 | DN125 | DN125 |
| Oval Flange           | G1   | G1   | G1   | G1 1/4 | G1 1/2 |      |      |      |      |      |      |       |       |       |       |

|                       |      |      |       |       |      |      |      |      |      |      |      |       |       |       |       |
|-----------------------|------|------|-------|-------|------|------|------|------|------|------|------|-------|-------|-------|-------|
| DIN Flange            | DN25 | DN 5 | DN 25 | DN 32 | DN40 | DN50 | DN50 | DN50 | DN50 | DN65 | DN80 | DN100 | DN100 | DN125 | DN125 |
| Cutting ferrule joint | ●    | ●    | ●     | ●     | ●    | ●    | ●    | ●    | ●    |      |      |       |       |       |       |
| Pipe thread           | ●    | ●    | ●     | ●     | ●    | ●    | ●    | ●    | ●    |      |      |       |       |       |       |

## ● Pump

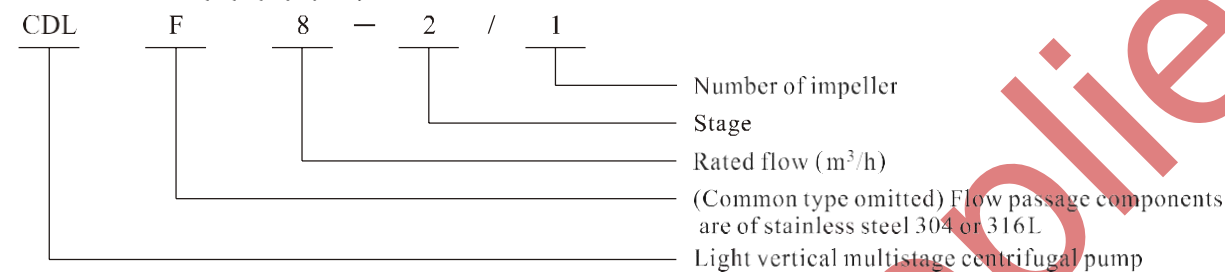
CDL / CDLF is a kind of vertical non-self priming multistage centrifugal pump, which is driven by a standard electric motor. The motor output shaft directly connects with the pump shaft through a coupling. The pressure-resistant cylinder and flow passage components are fixed between pump head and inlet & outlet section with stay bolts. The inlet and outlet are located at the pump bottom at the same plane. This kind of pump can be equipped with an intelligent protector to effectively prevent it from dry-running, out-of-phase and overload.

## ● Motor

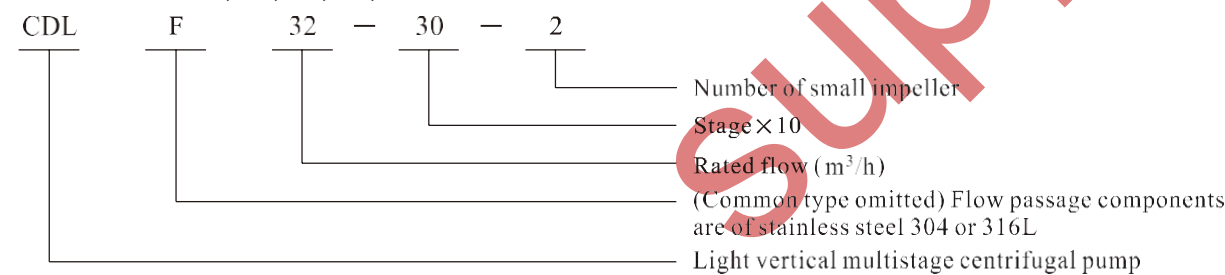
- Full-enclosed air-blast two-pole standard motor
- Protection class: IP55
- Insulation class: F
- Standard voltage: 50Hz: 1 × 220-230 / 240V  
3 × 200-220 / 346-380V  
3 × 220-240 / 380-415V  
3 × 380-415V

## ● Definition of Model

CDL/CDLF1,2,3,4,8,12,16 and 20



CDL/CDLF32,42,65,85,120 and 150



## ● Application

CDL / CDLF is a kind of multifunctional products. It can be used to convey various medium from tap water to industrial liquid at different temperature and with different flow rate and pressure. CDL type is applicable to conveying non-corrosive liquid, while CDLF is suitable for slightly corrosive liquid.

- Water supply: Water filter and transport in Waterworks, boosting of main pipeline, boosting in high-rise buildings.
- Industrial boosting: Process flow water system, cleaning system, high-pressure washing system, fire fighting system.
- Industrial liquid conveying: Cooling and air-conditioning system, boiler water supply and condensing system, machine-associated purpose, acids and alkali.
- Water treatment: Ultrafiltration system, reverse osmosis system, distillation system, separator, swimming pool.
- Irrigation: Farmland irrigation, spray irrigation, dripping irrigation.

## ● Operation conditions

- Thin, clean, non-flammable and non-explosive liquid containing no solid granules and fibers.
- Liquid temperature:  
Normal temperature type: -15°C ~ +70°C,  
Hot water type: +70°C ~ +120°C
- Ambient temperature: up to +40°C
- Altitude: up to 1000m

## ● Max inlet pressure

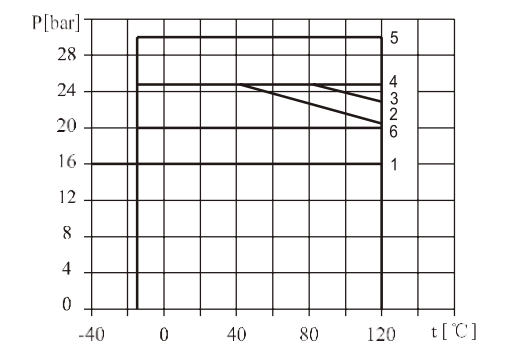
The maximum inlet pressure is shown in the table below. But the actual inlet pressure plus the valve close pressure of the pump shall be lower than the max. allowable working pressure.

| Model            | Max inlet pressure |
|------------------|--------------------|
| CDL,CDLF1        |                    |
| 1-2~1-8          | 6[bar]             |
| 1-9~1-36         | 10[bar]            |
| CDL,CDLF2        |                    |
| 2-2              | 6[bar]             |
| 2-3~2-11         | 10[bar]            |
| 2-13~2-26        | 15[bar]            |
| CDL,CDLF3        |                    |
| 3-2~3-5          | 6[bar]             |
| 3-6~3-29         | 10[bar]            |
| 3-31~3-36        | 15[bar]            |
| CDL,CDLF4        |                    |
| 4-2              | 6[bar]             |
| 4-3~4-10         | 10[bar]            |
| 4-12~4-22        | 15[bar]            |
| CDL,CDLF8        |                    |
| 8-2/1~8-6        | 6[bar]             |
| 8-8~8-20         | 10[bar]            |
| CDL,CDLF12       |                    |
| 12-2~12-4        | 6[bar]             |
| 12-5~12-18       | 10[bar]            |
| CDL,CDLF16       |                    |
| 16-2~16-3        | 6[bar]             |
| 16-4~16-16       | 10[bar]            |
| CDL,CDLF20       |                    |
| 20-1~20-3        | 6[bar]             |
| 20-4~20-17       | 10[bar]            |
| CDL,CDLF32       |                    |
| 32-10-1~32-20-2  | 3[bar]             |
| 32-20~32-40      | 4[bar]             |
| 32-50-2~32-100   | 10[bar]            |
| 32-110-2~32-140  | 15[bar]            |
| CDL,CDLF42       |                    |
| 42-10-1          | 3[bar]             |
| 42-10~42-20      | 4[bar]             |
| 42-30-2~42-50    | 10[bar]            |
| 42-60-2~42-130-2 | 15[bar]            |
| CDL,CDLF65       |                    |
| 65-10-1~65-20-2  | 4[bar]             |
| 65-20-1~65-30    | 10[bar]            |
| 65-40-2~65-80-1  | 15[bar]            |
| CDL,CDLF85       |                    |
| 85-10-1~85-10    | 4[bar]             |
| 85-20-2~85-30-2  | 10[bar]            |
| 85-30-1~85-60    | 15[bar]            |
| CDL,CDLF120,150  | 15[bar]            |

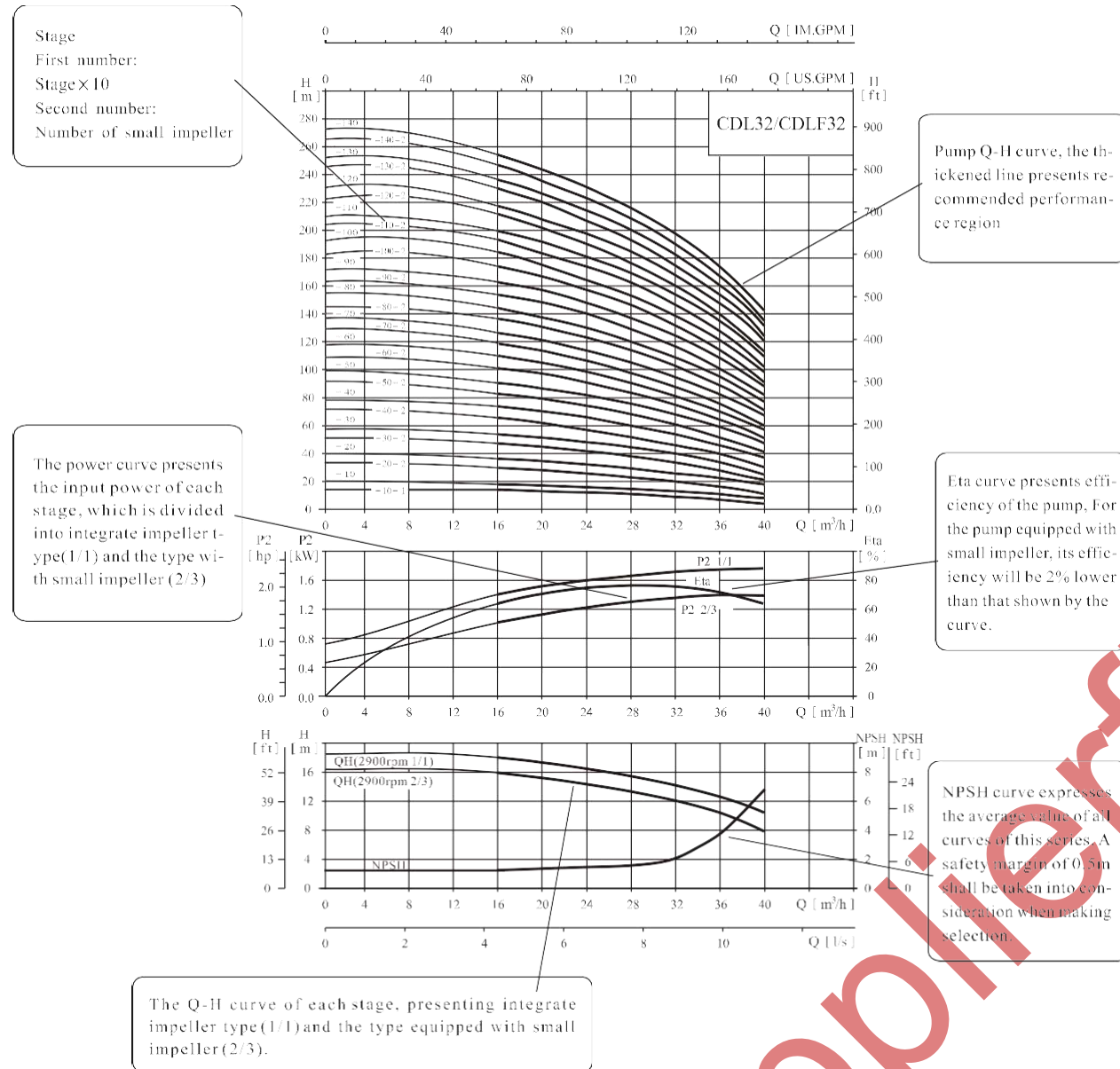
## ● Max working pressure

| Model             | Curve number |
|-------------------|--------------|
| CDL,CDLF1         |              |
| 1-2~1-23          | 1            |
| 1-25~1-36         | 2            |
| CDL,CDLF2         |              |
| 2-2-15            | 1            |
| 2-18~2-26         | 2            |
| CDL,CDLF3         |              |
| 3-2~3-23          | 1            |
| 3-25~3-36         | 2            |
| CDL,CDLF4         |              |
| 4-2~4-16          | 1            |
| 4-19~4-22         | 2            |
| CDL,CDLF8         |              |
| 8-2/1~8-12        | 1            |
| 8-14~8-20         | 3            |
| CDL,CDLF12        |              |
| 12-2~12-10        | 1            |
| 12-12~12-18       | 3            |
| CDL,CDLF16        |              |
| 16-2~16-8         | 1            |
| 16-10~16-16       | 3            |
| CDL,CDLF20        |              |
| 20-1~20-8         | 1            |
| 20-10~20-17       | 3            |
| CDL,CDLF32        |              |
| 32-10-1~32-70     | 1            |
| 32-80-2~32-120    | 4            |
| 32-130~32-140     | 5            |
| CDL,CDLF42        |              |
| 42-10-1~42-60     | 1            |
| 42-70-2~42-90     | 4            |
| 42-100-2~42-130-2 | 5            |
| CDL,CDLF65        |              |
| 65-10-1~65-50     | 1            |
| 65-60-2~65-80-1   | 4            |
| CDL,CDLF85        |              |
| 85-10-1~85-50-2   | 1            |
| 85-50~85-60       | 4            |
| CDL,CDLF120,150   | 6            |

The following figure shows the limitation of pressure and temperature, which shall be in the scope as shown in the figure.



## Curve illustration



## Performance curve

- Following conditions are suitable for the performance curves shown below:
- 1、 All curves are based on the measured values of 50Hz: constant motor speed 2900rpm or 2950rpm.
  - 2、 Curve tolerance in conformity with ISO9906 Annex A.
  - 3、 Measurement is done with 20°C air-free water, kinematic viscosity of 1mm²/sec.

4、 The operation of pump shall refer to the performance region indicated by the thickened curve to prevent overheating due to too small flow rate or overload of motor due to too large flow rate.

## Minimum inlet pressure NPSH

In case that the pressure in pump is lower than the steam pressure used to convey liquid, the cavitations will occur. To avoid cavitations, a minimum pressure at the inlet side of the pump shall be guaranteed. The maximum suction stroke can be calculated with following formula:

$$H = P_b \times 10.2 - NPSH - H_f - H_v - H_s$$

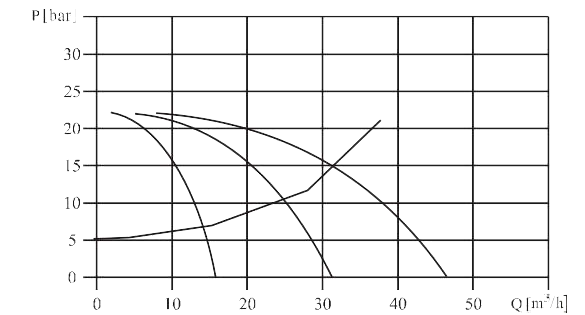
$P_b$  = atmosphere pressure [bar]  
(can be set as 1bar)

In a closed system,  $P_b$  means system pressure [bar]  
 $NPSH$  = Net positive suction head [m]  
 (It can be read out from the point of possible max. flow rate shown on NPSH curve)  
 $H_f$  = Pipeline loss at the inlet [m]  
 $H_v$  = Steam pressure [m]  
 $H_s$  = Safety margin = Minimum 0.5m delivery head  
 If the calculated result H is positive, the pump may run under the max. Suction stroke H.  
 In case the calculated result H is negative, a delivery head of min. Inlet pressure is necessary.

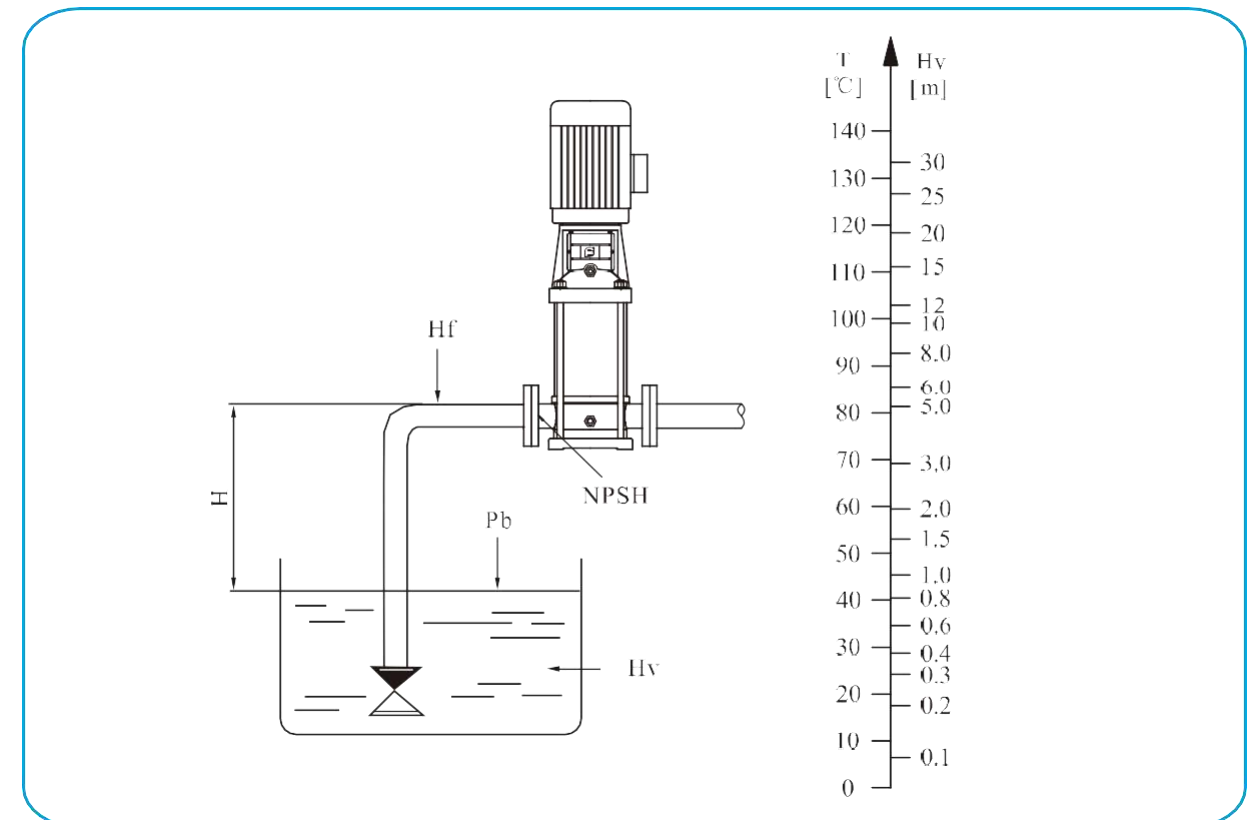
## Operation in parallel

Connecting several pumps in parallel running will benefit much more than running a single large pump.

- Applicable to different working states necessary in a variable flow system.
- Increasing the possibility of water supply when the pump is in failure. Because in case of pump failure, only part of the system flow is effected.

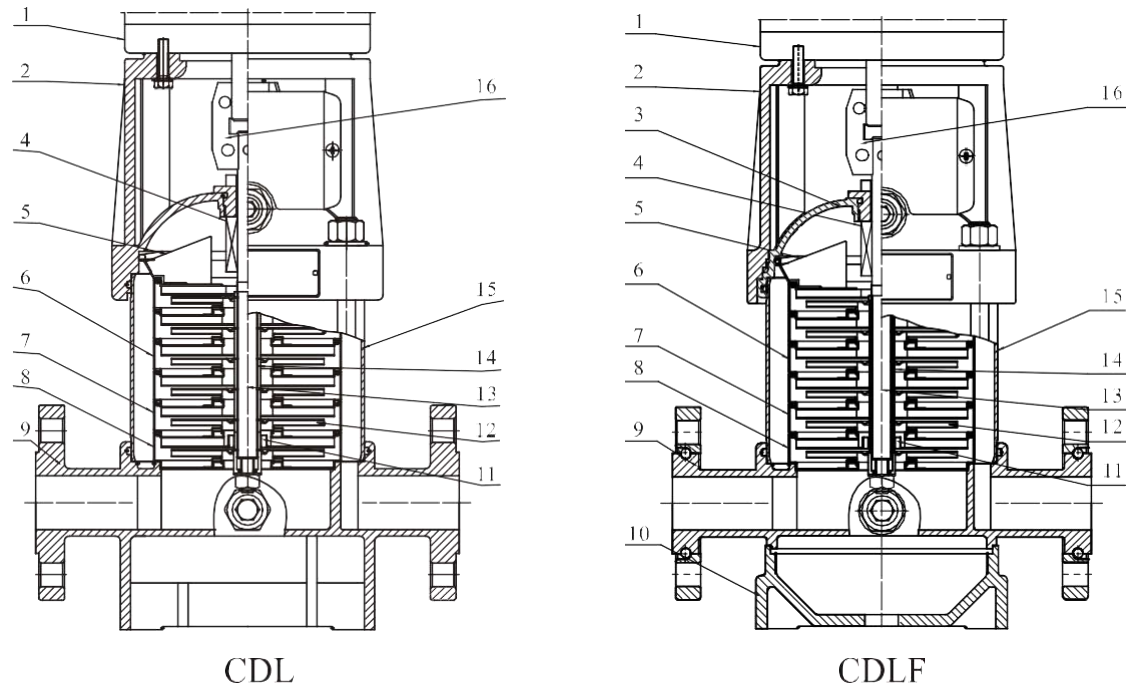


Two pumps or more can be connected in parallel running if necessary.

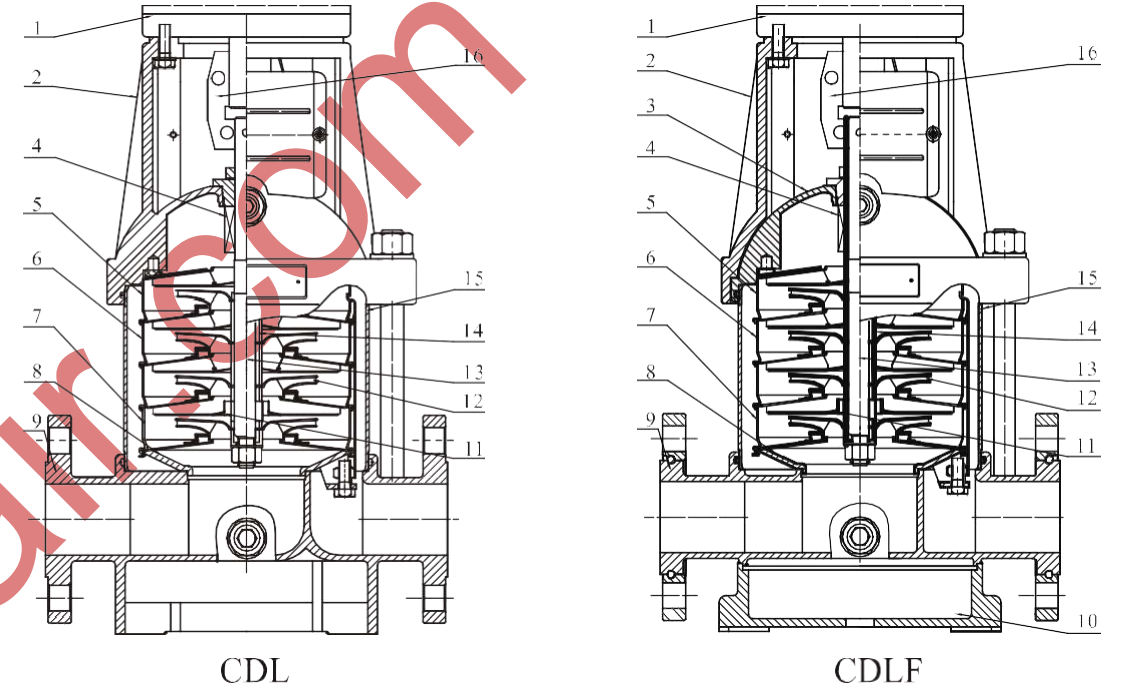


Check and ensure that the pump is not at cavitations state.

● Section drawing CDL/CDLF1,2,3,4



● Section drawing CDL/CDLF8,12,16,20



● Material CDL/CDLF1,2,3,4

| NO. | Name             | Material         | AISI/ASTM           |
|-----|------------------|------------------|---------------------|
| 1   | Motor            |                  |                     |
| 2   | Pump head        | Cast iron        | ASTM25B             |
| 4   | Mechanical seal  |                  |                     |
| 5   | Top diffuser     | Stainless steel  | AISI304             |
| 6   | Diffuser         | Stainless steel  | AISI304             |
| 7   | Support diffuser | Stainless steel  | AISI304             |
| 8   | Inducer          | Stainless steel  | AISI304             |
| 11  | Bearing          | Tungsten carbide |                     |
| 12  | Impeller         | Stainless steel  | AISI304             |
| 13  | Shaft            | Stainless steel  | AISI304<br>AISI316L |

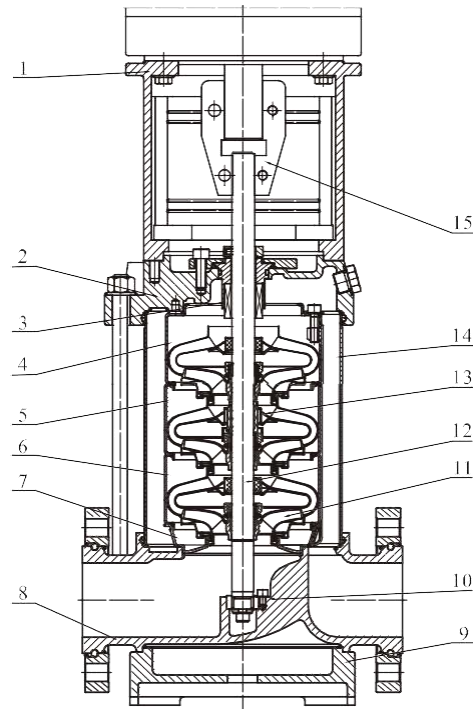
| NO.  | Name                     | Material        | AISI/ASTM |
|------|--------------------------|-----------------|-----------|
| 14   | Impeller sleeve          | Stainless steel | AISI304   |
| 15   | Cylinder                 | Stainless steel | AISI304   |
| 16   | Coupling                 | Carbon steel    |           |
| CDLF |                          |                 |           |
| 3    | Seal base                | Stainless steel | AISI304   |
| 9    | Inlet and outlet chamber | Stainless steel | AISI304   |
| 10   | Base plate               | Cast iron       | ASTM25B   |
| CDL  |                          |                 |           |
| 9    | Inlet and outlet chamber | Cast iron       | ASTM25B   |

● Material CDL/CDLF8,12,16,20

| NO. | Name             | Material         | AISI/ASTM           |
|-----|------------------|------------------|---------------------|
| 1   | Motor            |                  |                     |
| 2   | Pump head        | Cast iron        | ASTM25B             |
| 4   | Mechanical seal  |                  |                     |
| 5   | Top diffuser     | Stainless steel  | AISI304             |
| 6   | Diffuser         | Stainless steel  | AISI304             |
| 7   | Support diffuser | Stainless steel  | AISI304             |
| 8   | Inducer          | Stainless steel  | AISI304             |
| 11  | Bearing          | Tungsten carbide |                     |
| 12  | Impeller         | Stainless steel  | AISI304             |
| 13  | Shaft            | Stainless steel  | AISI304<br>AISI316L |

|      |                          | Material        | AISI/ASTM |
|------|--------------------------|-----------------|-----------|
| 14   | Impeller sleeve          | Stainless steel | AISI304   |
| 15   | Cylinder                 | Stainless steel | AISI304   |
| 16   | Coupling                 | Carbon steel    |           |
| CDLF |                          |                 |           |
| 3    | Seal base                | Stainless steel | AISI304   |
| 9    | Inlet and outlet chamber | Stainless steel | AISI304   |
| 10   | Base plate               | Cast iron       | ASTM25B   |
| CDL  |                          |                 |           |
| 9    | Inlet and outlet chamber | Cast iron       | ASTM25B   |

● Section drawing CDL/CDLF32,42,65,85

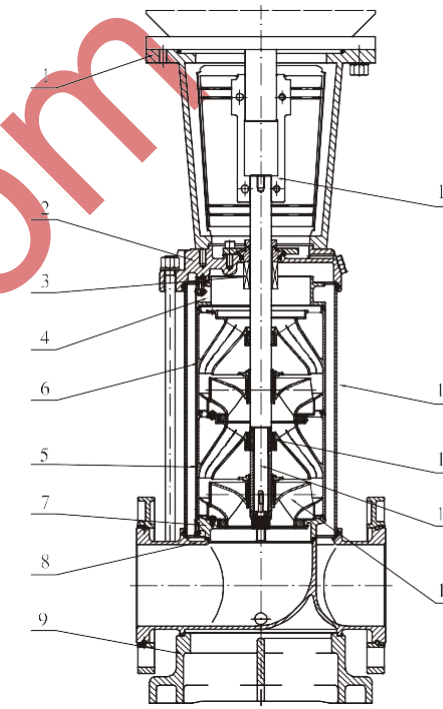


● Material CDL/CDLF32,42,65,85

| NO. | Name             | Material         | AISI/ASTM |
|-----|------------------|------------------|-----------|
| 1   | Bracket          | Cast iron        | ASTM25B   |
| 3   | Mechanical seal  |                  |           |
| 4   | Top diffuser     | Stainless steel  | AISI304   |
| 5   | Support diffuser | Stainless steel  | AISI304   |
| 6   | Diffuser         | Stainless steel  | AISI304   |
| 7   | Inducer          | Stainless steel  | AISI304   |
| 9   | Base plate       | Cast iron        | ASTM25B   |
| 10  | Bottom bearing   | Tungsten carbide |           |
| 11  | Impeller         | Stainless steel  | AISI304   |

| NO.  | Name                     | Material         | AISI/ASTM                      |
|------|--------------------------|------------------|--------------------------------|
| 12   | Shaft                    | Stainless steel  | AISI316L<br>AISI304<br>AISI431 |
| 13   | Intermediate bearing     | Tungsten carbide |                                |
| 14   | Cylinder                 | Stainless steel  | AISI304                        |
| 15   | Coupling                 | Carbon steel     |                                |
|      | Rubber parts             | NBR              |                                |
| CDL  |                          |                  |                                |
| 2    | Pump head                | Cast iron        | ASTM25B                        |
| 8    | Inlet and outlet chamber | Cast iron        | ASTM25B                        |
| CDLF |                          |                  |                                |
| 2    | Pump head                | Stainless steel  | AISI304                        |
| 8    | Inlet and outlet chamber | Stainless steel  | AISI304                        |

● Section drawing CDL/CDLF120,150



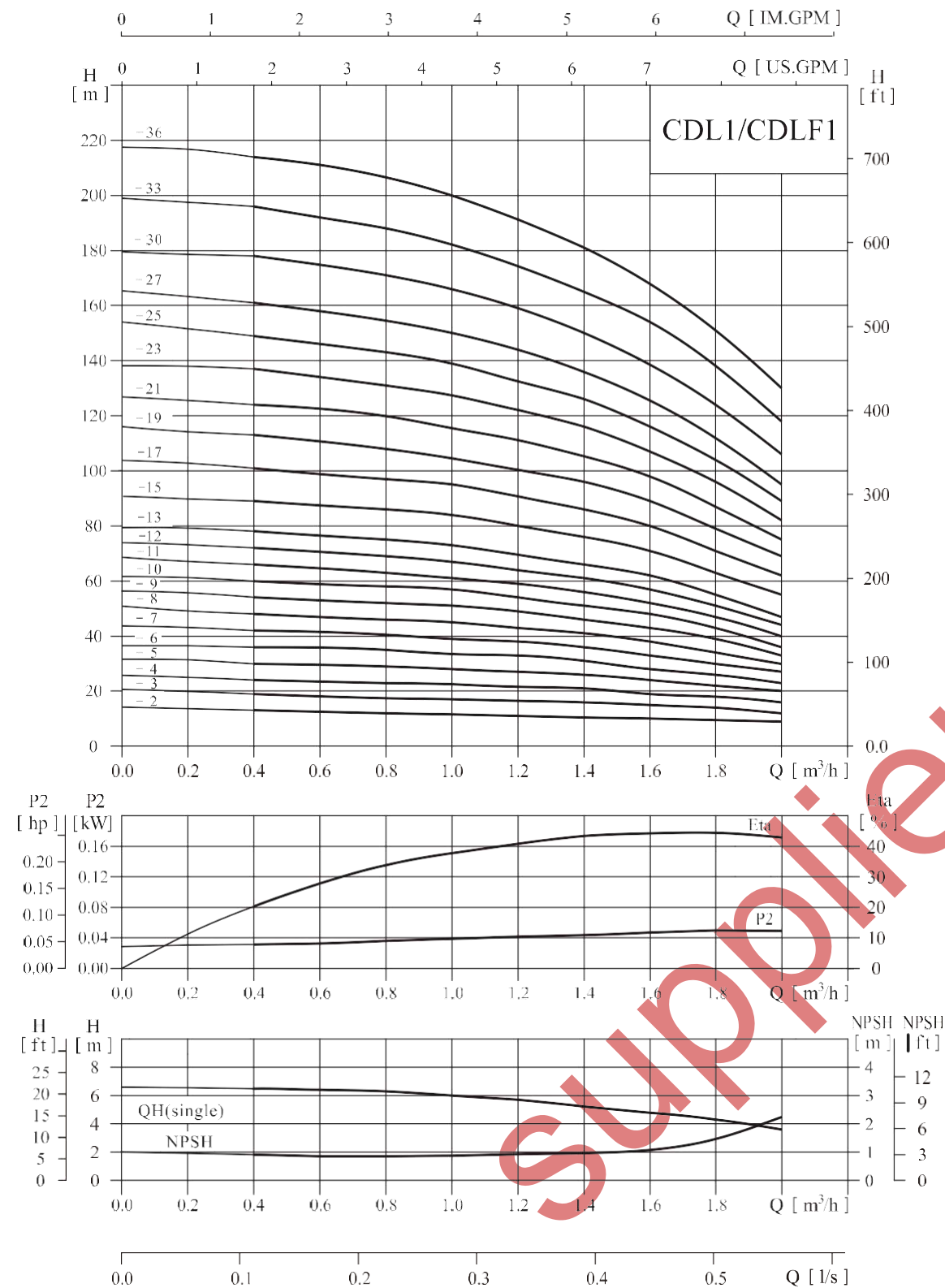
● Material CDL/CDLF120,150

| NO. | Name             | Material        | AISI/ASTM     |
|-----|------------------|-----------------|---------------|
| 1   | Bracket          | Cast iron       | ASTM25B       |
| 3   | Mechanical seal  |                 |               |
| 4   | Discharge        | Stainless steel | AISI304       |
| 5   | Support diffuser | Stainless steel | AISI304       |
| 6   | Diffuser         | Stainless steel | AISI304       |
| 7   | Inducer          | Stainless steel | AISI304       |
| 9   | Base plate       | Cast iron       | ASTM 80-55-06 |
| 11  | Impeller         | Stainless steel | AISI304       |
| 12  | Shaft            | Stainless steel | AISI304       |

| NO.  | Name                     | Material         | AISI/ASTM     |
|------|--------------------------|------------------|---------------|
| 13   | Bearing                  | Tungsten carbide |               |
| 14   | Cylinder                 | Stainless steel  | AISI304       |
| 15   | Coupling                 | Carbon steel     |               |
|      | Rubber parts             | NBR              |               |
| CDL  |                          |                  |               |
| 2    | Pump head                | Cast iron        | ASTM 80-55-06 |
| 8    | Inlet and outlet chamber | Cast iron        | ASTM 80-55-06 |
| CDLF |                          |                  |               |
| 2    | Pump head                | Stainless steel  | AISI304       |
| 8    | Inlet and outlet chamber | Stainless steel  | AISI304       |

● Performance curve

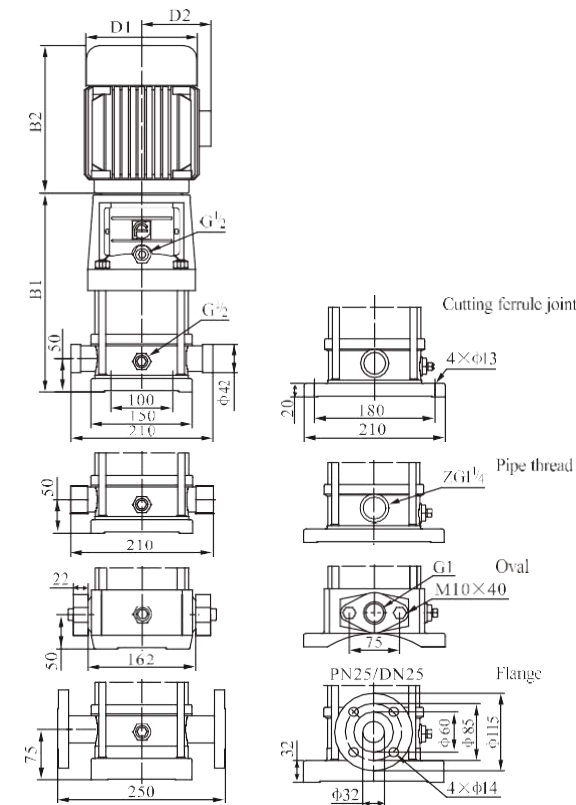
ISO9906 Annex A 2900rpm



● Performance table

| Model   |      |      | Q (m³/h) | 0.4  | 0.6  | 0.8  | 1.0  | 1.2  | 1.4 | 1.6 | 1.8 | 2.0 |
|---------|------|------|----------|------|------|------|------|------|-----|-----|-----|-----|
| CDL1-2  | 0.37 | 0.5  | 13       | 12.5 | 12   | 11.5 | 11   | 10.5 | 10  | 9.5 | 9   |     |
| CDL1-3  | 0.37 | 0.5  | 19       | 18   | 17.5 | 17   | 16.5 | 16   | 15  | 14  | 12  |     |
| CDL1-4  | 0.37 | 0.5  | 24       | 23.5 | 23   | 22.5 | 21.5 | 21   | 19  | 18  | 16  |     |
| CDL1-5  | 0.37 | 0.5  | 30       | 29.6 | 29   | 28   | 27   | 26   | 24  | 22  | 20  |     |
| CDL1-6  | 0.37 | 0.5  | 36       | 35.5 | 35   | 33.5 | 33   | 31   | 28  | 26  | 23  |     |
| CDL1-7  | 0.37 | 0.5  | 42       | 41   | 40.5 | 39   | 38   | 36   | 33  | 30  | 27  |     |
| CDL1-8  | 0.55 | 0.75 | 48       | 47   | 46   | 45   | 43   | 41   | 38  | 34  | 30  |     |
| CDL1-9  | 0.55 | 0.75 | 54       | 53   | 52   | 51   | 49   | 46   | 43  | 39  | 33  |     |
| CDL1-10 | 0.55 | 0.75 | 60       | 59   | 58   | 57   | 54   | 51   | 48  | 43  | 36  |     |
| CDL1-11 | 0.55 | 0.75 | 66       | 65   | 63   | 61   | 59   | 56   | 52  | 47  | 40  |     |
| CDL1-12 | 0.75 | 1    | 72       | 71   | 69   | 67   | 64   | 61   | 57  | 51  | 44  |     |
| CDL1-13 | 0.75 | 1    | 78       | 77   | 75   | 73   | 69   | 66   | 62  | 55  | 47  |     |
| CDL1-15 | 0.75 | 1    | 89       | 88   | 86   | 84   | 79   | 76   | 71  | 63  | 55  |     |
| CDL1-17 | 1.1  | 1.5  | 101      | 99   | 97   | 95   | 89   | 86   | 80  | 71  | 62  |     |
| CDL1-19 | 1.1  | 1.5  | 113      | 110  | 108  | 106  | 99   | 96   | 89  | 79  | 69  |     |
| CDL1-21 | 1.1  | 1.5  | 124      | 122  | 120  | 117  | 110  | 106  | 98  | 87  | 75  |     |
| CDL1-23 | 1.1  | 1.5  | 137      | 133  | 131  | 128  | 121  | 116  | 107 | 96  | 82  |     |
| CDL1-25 | 1.5  | 2    | 149      | 145  | 143  | 139  | 131  | 126  | 116 | 104 | 89  |     |
| CDL1-27 | 1.5  | 2    | 161      | 157  | 155  | 150  | 141  | 136  | 125 | 112 | 95  |     |
| CDL1-30 | 1.5  | 2    | 178      | 175  | 171  | 166  | 157  | 150  | 139 | 124 | 106 |     |
| CDL1-33 | 2.2  | 3    | 196      | 192  | 188  | 183  | 173  | 165  | 154 | 137 | 118 |     |
| CDL1-36 | 2.2  | 3    | 214      | 210  | 205  | 200  | 190  | 181  | 169 | 151 | 130 |     |

● Installation sketch



● Size and weight

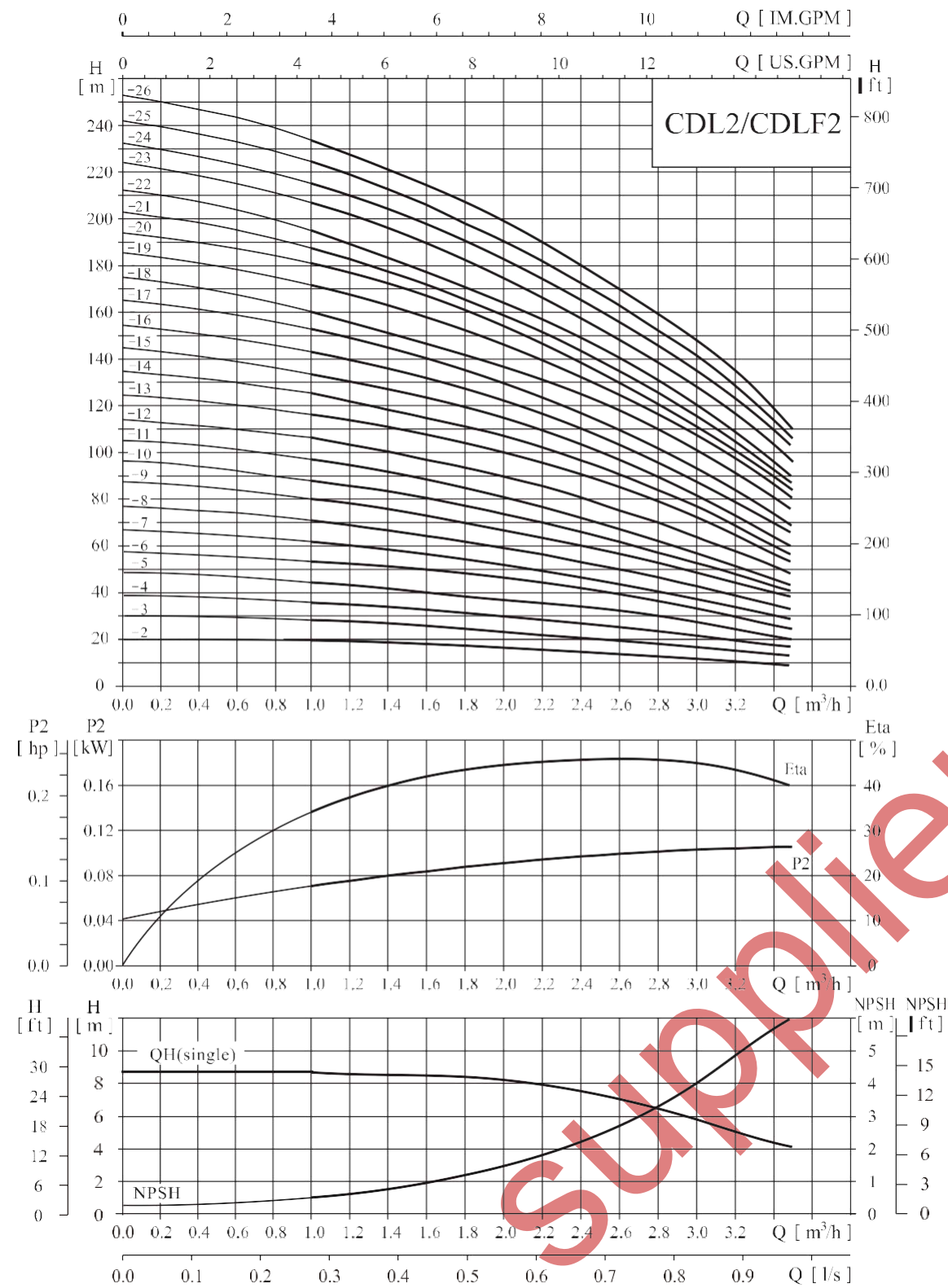
| Model   | Size (mm) |     |       |     |     | Weight (kg) |
|---------|-----------|-----|-------|-----|-----|-------------|
|         | B1        | B2  | B1+B2 | D1  | D2  |             |
| CDL1-2  | 258       | 210 | 468   | 148 | 117 | 20          |
| CDL1-3  | 276       | 210 | 486   | 148 | 117 | 20          |
| CDL1-4  | 294       | 210 | 504   | 148 | 117 | 20          |
| CDL1-5  | 312       | 210 | 522   | 148 | 117 | 20          |
| CDL1-6  | 330       | 210 | 540   | 148 | 117 | 20          |
| CDL1-7  | 348       | 210 | 558   | 148 | 117 | 20          |
| CDL1-8  | 366       | 210 | 576   | 148 | 117 | 22          |
| CDL1-9  | 384       | 210 | 594   | 148 | 117 | 22          |
| CDL1-10 | 402       | 210 | 612   | 148 | 117 | 22          |
| CDL1-11 | 420       | 210 | 630   | 148 | 117 | 22          |
| CDL1-12 | 448       | 245 | 693   | 170 | 142 | 25          |
| CDL1-13 | 466       | 245 | 711   | 170 | 142 | 25          |
| CDL1-15 | 502       | 245 | 747   | 170 | 142 | 25          |
| CDL1-17 | 538       | 245 | 783   | 170 | 142 | 28          |
| CDL1-19 | 574       | 245 | 819   | 170 | 142 | 28          |
| CDL1-21 | 610       | 245 | 855   | 170 | 142 | 30          |
| CDL1-23 | 646       | 245 | 891   | 170 | 142 | 33          |
| CDL1-25 | 692       | 290 | 982   | 190 | 155 | 40          |
| CDL1-27 | 728       | 290 | 1018  | 190 | 155 | 40          |
| CDL1-30 | 782       | 290 | 1072  | 190 | 155 | 40          |
| CDL1-33 | 836       | 290 | 1126  | 190 | 155 | 45          |
| CDL1-36 | 890       | 290 | 1180  | 190 | 155 | 45          |

CDL1-25 ~ 1-36 sub-connection of pipeline has no oval flange connection. The overall dimensions of the single-phase motor and explosion-proof motor are a little different. Pls contact us for details.



### ● Performance curve

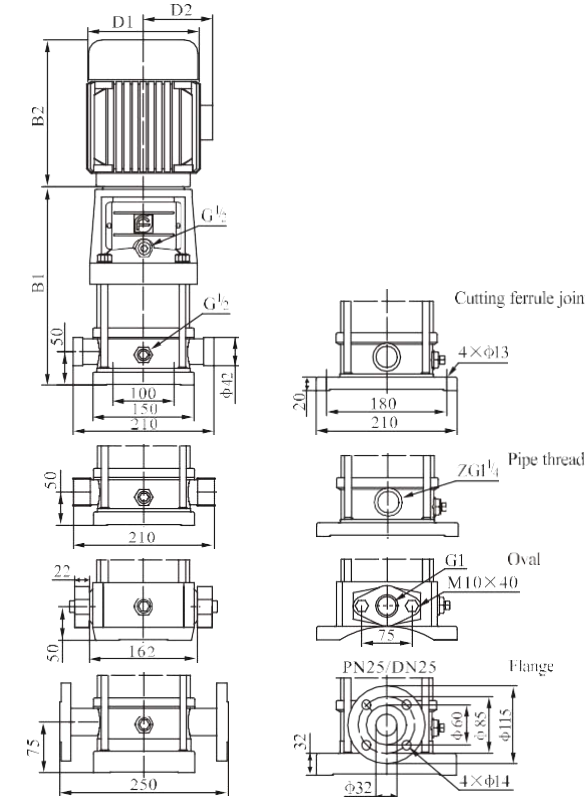
ISO9906 Annex A 2900rpm



### ● Performance table

| Model   | Q <sub>1</sub> (m³/h) | Q <sub>2</sub> (m³/h) | 1   | 1.2 | 1.6 | 2.0 | 2.4 | 2.8 | 3.2 | 3.5 |
|---------|-----------------------|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| CDL2-2  | 0.37                  | 0.5                   | 18  | 17  | 16  | 15  | 13  | 12  | 10  | 8   |
| CDL2-3  | 0.37                  | 0.5                   | 27  | 26  | 24  | 22  | 20  | 18  | 15  | 12  |
| CDL2-4  | 0.55                  | 0.75                  | 36  | 35  | 33  | 30  | 26  | 24  | 20  | 16  |
| CDL2-5  | 0.55                  | 0.75                  | 45  | 43  | 40  | 37  | 33  | 30  | 24  | 20  |
| CDL2-6  | 0.75                  | 1                     | 53  | 52  | 50  | 45  | 40  | 36  | 30  | 24  |
| CDL2-7  | 0.75                  | 1                     | 63  | 61  | 57  | 52  | 47  | 41  | 35  | 28  |
| CDL2-9  | 1.1                   | 1.5                   | 80  | 78  | 73  | 67  | 61  | 54  | 45  | 37  |
| CDL2-11 | 1.1                   | 1.5                   | 98  | 95  | 89  | 82  | 73  | 64  | 54  | 44  |
| CDL2-13 | 1.5                   | 2                     | 116 | 114 | 106 | 98  | 89  | 78  | 65  | 52  |
| CDL2-15 | 1.5                   | 2                     | 134 | 130 | 123 | 112 | 100 | 90  | 73  | 60  |
| CDL2-18 | 2.2                   | 3                     | 161 | 157 | 148 | 136 | 121 | 108 | 91  | 76  |
| CDL2-22 | 2.2                   | 3                     | 197 | 192 | 180 | 165 | 148 | 130 | 110 | 90  |
| CDL2-26 | 3.0                   | 4                     | 232 | 228 | 214 | 198 | 179 | 158 | 130 | 110 |

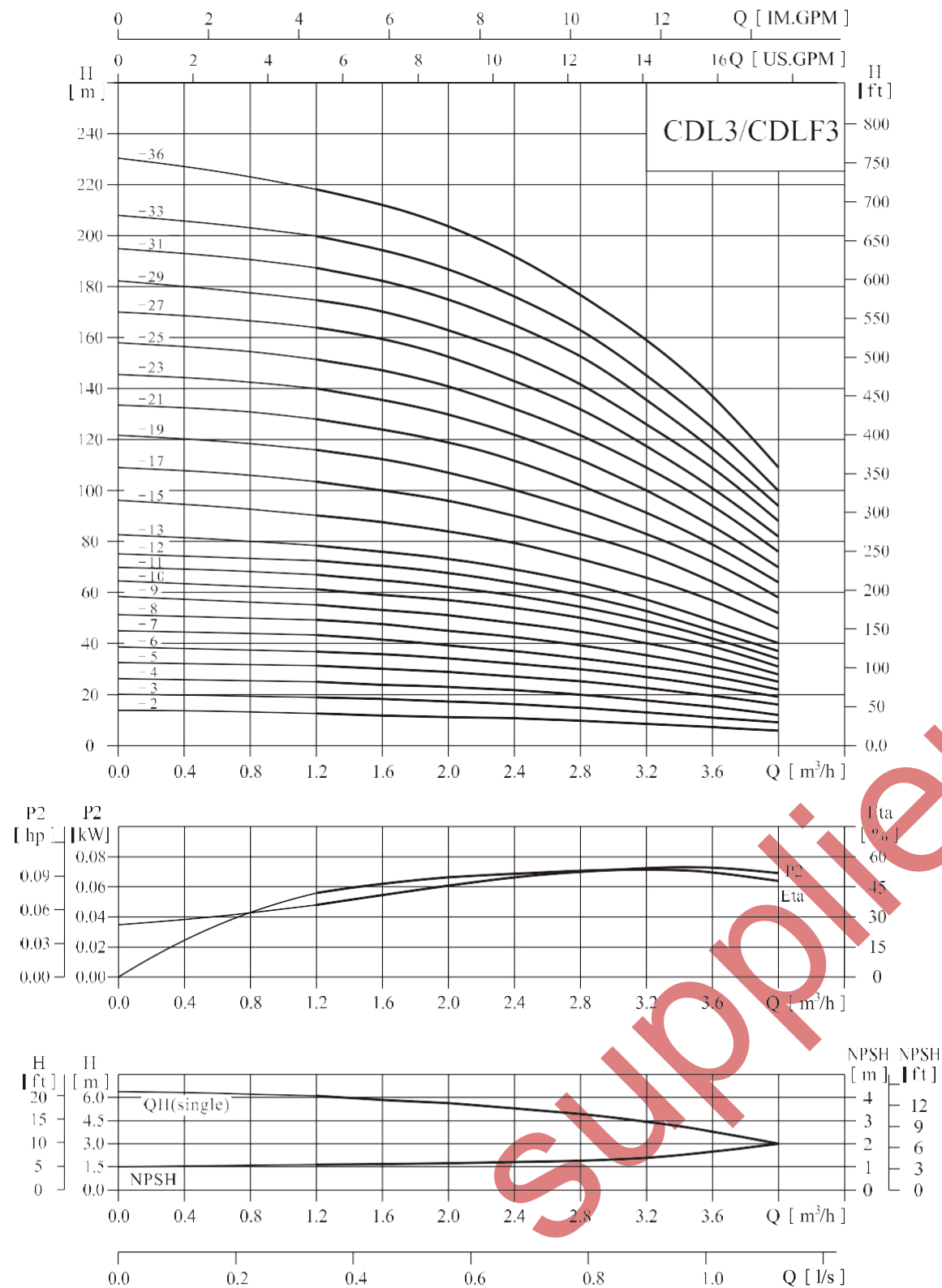
### ● Installation sketch



### ● Size and weight

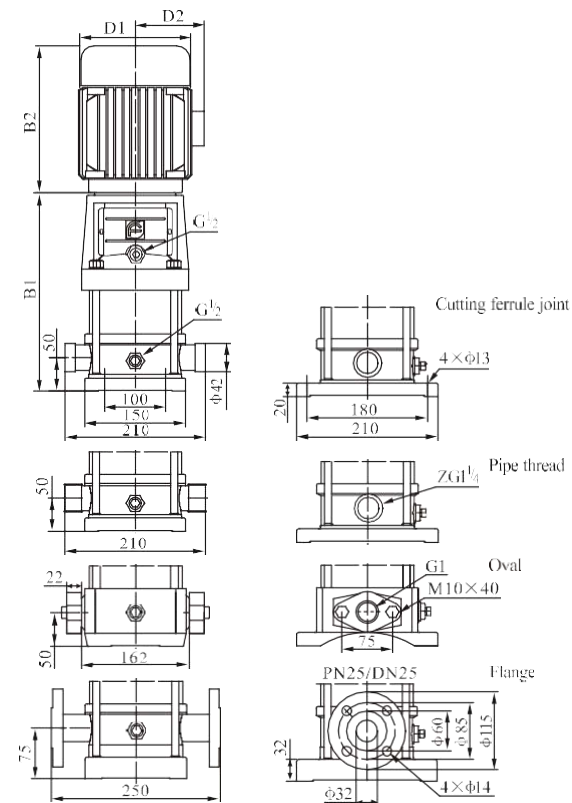
| Model   | Size (mm) |     |       |     |     | Weight (kg) |
|---------|-----------|-----|-------|-----|-----|-------------|
|         | B1        | B2  | B1+B2 | D1  | D2  |             |
| CDL2-2  | 258       | 210 | 468   | 148 | 117 | 20          |
| CDL2-3  | 276       | 210 | 486   | 148 | 117 | 20          |
| CDL2-4  | 294       | 210 | 504   | 148 | 117 | 20          |
| CDL2-5  | 312       | 210 | 522   | 148 | 117 | 20          |
| CDL2-6  | 340       | 245 | 585   | 170 | 142 | 25          |
| CDL2-7  | 358       | 245 | 603   | 170 | 142 | 25          |
| CDL2-9  | 394       | 245 | 639   | 170 | 142 | 30          |
| CDL2-11 | 430       | 245 | 675   | 170 | 142 | 30          |
| CDL2-13 | 476       | 290 | 766   | 190 | 155 | 35          |
| CDL2-15 | 512       | 290 | 802   | 190 | 155 | 35          |
| CDL2-18 | 566       | 290 | 856   | 190 | 155 | 40          |
| CDL2-22 | 638       | 290 | 928   | 190 | 155 | 45          |
| CDL2-26 | 720       | 315 | 1035  | 197 | 165 | 50          |

CDL2-18 ~ 2-26 sub-connection of pipeline has no oval flange connection. The overall dimensions of the single-phase motor and explosion-proof motor are a little different. Pls contact us for details.



| Model   | Q (m³/h) | 1.2  | 1.6  | 2.0  | 2.4  | 2.8  | 3.0 | 3.2 | 3.6 | 4.0 |     |
|---------|----------|------|------|------|------|------|-----|-----|-----|-----|-----|
| CDL3-2  | 0.37     | 0.5  | 12.5 | 11.5 | 11   | 10.5 | 10  | 9   | 8   | 7   | 6   |
| CDL3-3  | 0.37     | 0.5  | 19   | 18.5 | 17.5 | 16.5 | 15  | 14  | 13  | 11  | 9   |
| CDL3-4  | 0.37     | 0.5  | 25   | 24   | 23   | 21.5 | 20  | 19  | 18  | 15  | 12  |
| CDL3-5  | 0.37     | 0.5  | 31   | 30   | 29   | 27   | 25  | 23  | 22  | 19  | 16  |
| CDL3-6  | 0.55     | 0.75 | 36   | 35   | 34   | 32   | 30  | 28  | 27  | 23  | 19  |
| CDL3-7  | 0.55     | 0.75 | 43   | 41   | 39   | 37   | 34  | 32  | 31  | 27  | 22  |
| CDL3-8  | 0.75     | 1    | 49   | 47   | 45   | 43   | 39  | 37  | 35  | 31  | 25  |
| CDL3-9  | 0.75     | 1    | 55   | 53   | 51   | 48   | 45  | 42  | 40  | 35  | 28  |
| CDL3-10 | 0.75     | 1    | 61   | 59   | 57   | 54   | 50  | 47  | 45  | 39  | 31  |
| CDL3-11 | 1.1      | 1.5  | 67   | 64   | 61   | 58   | 54  | 51  | 49  | 42  | 34  |
| CDL3-12 | 1.1      | 1.5  | 73   | 70   | 67   | 63   | 58  | 55  | 52  | 45  | 37  |
| CDL3-13 | 1.1      | 1.5  | 78   | 76   | 73   | 69   | 64  | 60  | 57  | 49  | 40  |
| CDL3-15 | 1.1      | 1.5  | 90   | 88   | 84   | 79   | 73  | 69  | 66  | 57  | 46  |
| CDL3-17 | 1.5      | 2    | 103  | 100  | 96   | 90   | 83  | 79  | 75  | 64  | 52  |
| CDL3-19 | 1.5      | 2    | 115  | 112  | 107  | 100  | 92  | 88  | 83  | 72  | 58  |
| CDL3-21 | 2.2      | 3    | 128  | 124  | 119  | 112  | 102 | 98  | 91  | 79  | 64  |
| CDL3-23 | 2.2      | 3    | 140  | 135  | 130  | 122  | 112 | 107 | 100 | 86  | 70  |
| CDL3-25 | 2.2      | 3    | 151  | 147  | 141  | 131  | 122 | 116 | 109 | 94  | 76  |
| CDL3-27 | 2.2      | 3    | 164  | 159  | 152  | 143  | 132 | 124 | 117 | 101 | 82  |
| CDL3-29 | 2.2      | 3    | 175  | 170  | 163  | 153  | 142 | 133 | 126 | 109 | 88  |
| CDL3-31 | 3.0      | 4    | 187  | 182  | 175  | 165  | 153 | 142 | 135 | 116 | 94  |
| CDL3-33 | 3.0      | 4    | 199  | 194  | 187  | 176  | 163 | 151 | 145 | 125 | 100 |
| CDL3-36 | 3.0      | 4    | 218  | 212  | 204  | 192  | 178 | 168 | 159 | 137 | 109 |

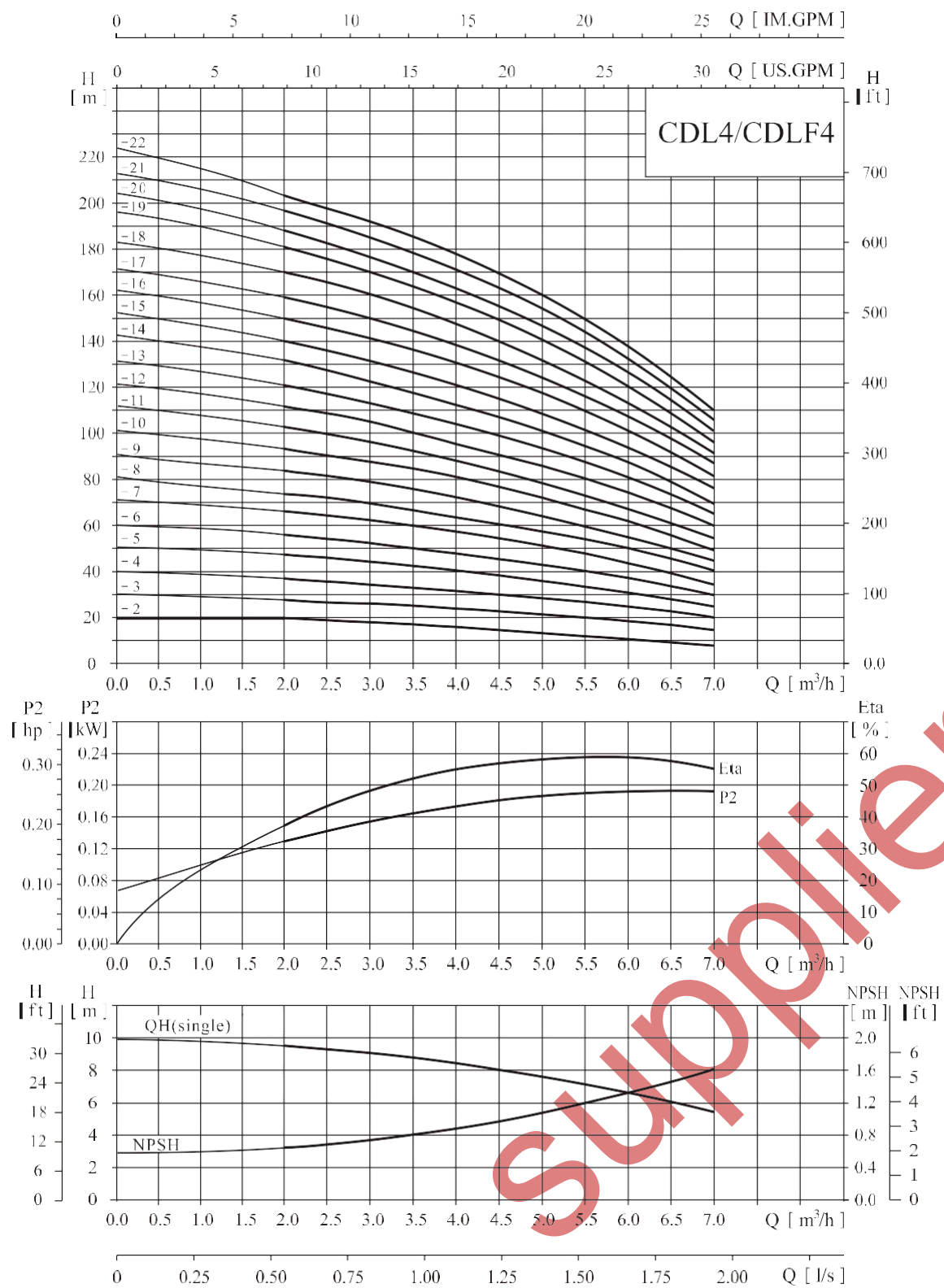
### Installation sketch



### Size and weight

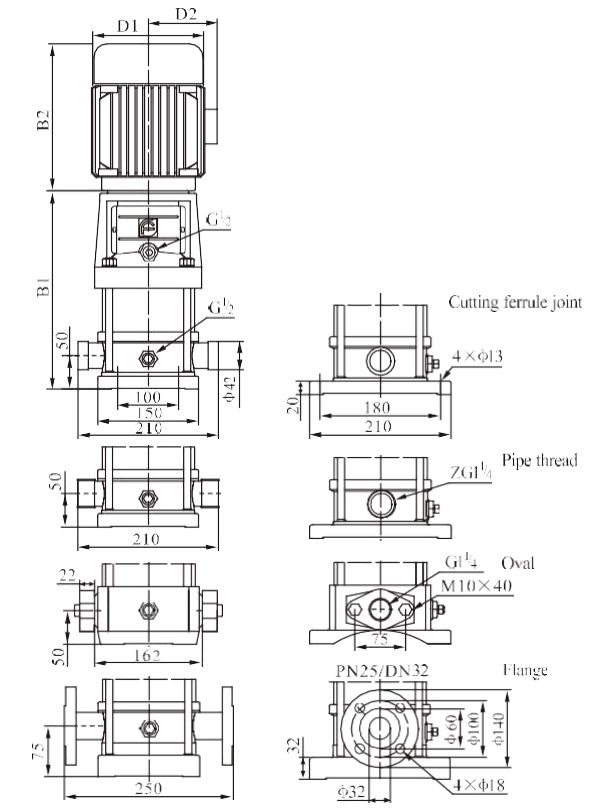
| Model   | Size (mm) |     |       |     |     | Weight (kg) |
|---------|-----------|-----|-------|-----|-----|-------------|
|         | B1        | B2  | B1+B2 | D1  | D2  |             |
| CDL3-2  | 258       | 210 | 468   | 148 | 117 | 20          |
| CDL3-3  | 276       | 210 | 486   | 148 | 117 | 20          |
| CDL3-4  | 294       | 210 | 504   | 148 | 117 | 20          |
| CDL3-5  | 312       | 210 | 522   | 148 | 117 | 20          |
| CDL3-6  | 330       | 210 | 540   | 148 | 117 | 22          |
| CDL3-7  | 348       | 210 | 558   | 148 | 117 | 22          |
| CDL3-8  | 376       | 245 | 621   | 170 | 142 | 22          |
| CDL3-9  | 394       | 245 | 639   | 170 | 142 | 22          |
| CDL3-10 | 412       | 245 | 657   | 170 | 142 | 22          |
| CDL3-11 | 430       | 245 | 675   | 170 | 142 | 25          |
| CDL3-12 | 448       | 245 | 693   | 170 | 142 | 25          |
| CDL3-13 | 466       | 245 | 711   | 170 | 142 | 25          |
| CDL3-15 | 502       | 245 | 747   | 170 | 142 | 25          |
| CDL3-17 | 548       | 290 | 838   | 190 | 155 | 30          |
| CDL3-19 | 584       | 290 | 874   | 190 | 155 | 35          |
| CDL3-21 | 620       | 290 | 910   | 190 | 155 | 35          |
| CDL3-23 | 656       | 290 | 946   | 190 | 155 | 40          |
| CDL3-25 | 692       | 290 | 982   | 190 | 155 | 40          |
| CDL3-27 | 728       | 290 | 1018  | 190 | 155 | 40          |
| CDL3-29 | 764       | 290 | 1054  | 190 | 155 | 40          |
| CDL3-31 | 810       | 315 | 1125  | 197 | 165 | 45          |
| CDL3-33 | 846       | 315 | 1161  | 197 | 165 | 50          |
| CDL3-36 | 900       | 315 | 1215  | 197 | 165 | 50          |

CDL3-25 ~ 3-36 sub-connection of pipeline has no oval flange connection. The overall dimensions of the single-phase motor and explosion-proof motor are a little different. Pls contact us for details.



| Model   | Q (m³/h)  | 1.5 | 2.0 | 3.0 | 4.0 | 5.0 | 6.0 | 7.0 |
|---------|-----------|-----|-----|-----|-----|-----|-----|-----|
| CDL4-2  | 0.37 0.5  | 19  | 18  | 17  | 15  | 13  | 10  | 8   |
| CDL4-3  | 0.55 0.75 | 28  | 27  | 26  | 24  | 20  | 18  | 13  |
| CDL4-4  | 0.75 1    | 38  | 36  | 34  | 32  | 27  | 24  | 19  |
| CDL4-5  | 1.1 1.5   | 47  | 45  | 43  | 40  | 34  | 31  | 23  |
| CDL4-6  | 1.1 1.5   | 56  | 54  | 52  | 48  | 41  | 37  | 28  |
| CDL4-7  | 1.5 2     | 66  | 63  | 61  | 56  | 48  | 43  | 33  |
| CDL4-8  | 1.5 2     | 74  | 72  | 70  | 64  | 55  | 50  | 38  |
| CDL4-10 | 2.2 3     | 96  | 90  | 87  | 81  | 71  | 62  | 48  |
| CDL4-12 | 2.2 3     | 114 | 108 | 104 | 95  | 85  | 75  | 58  |
| CDL4-14 | 3.0 4     | 136 | 126 | 122 | 112 | 101 | 89  | 68  |
| CDL4-16 | 3.0 4     | 152 | 144 | 140 | 129 | 115 | 101 | 78  |
| CDL4-19 | 4.0 5.5   | 183 | 171 | 168 | 153 | 137 | 122 | 93  |
| CDL4-22 | 4.0 5.5   | 211 | 200 | 192 | 178 | 160 | 138 | 108 |

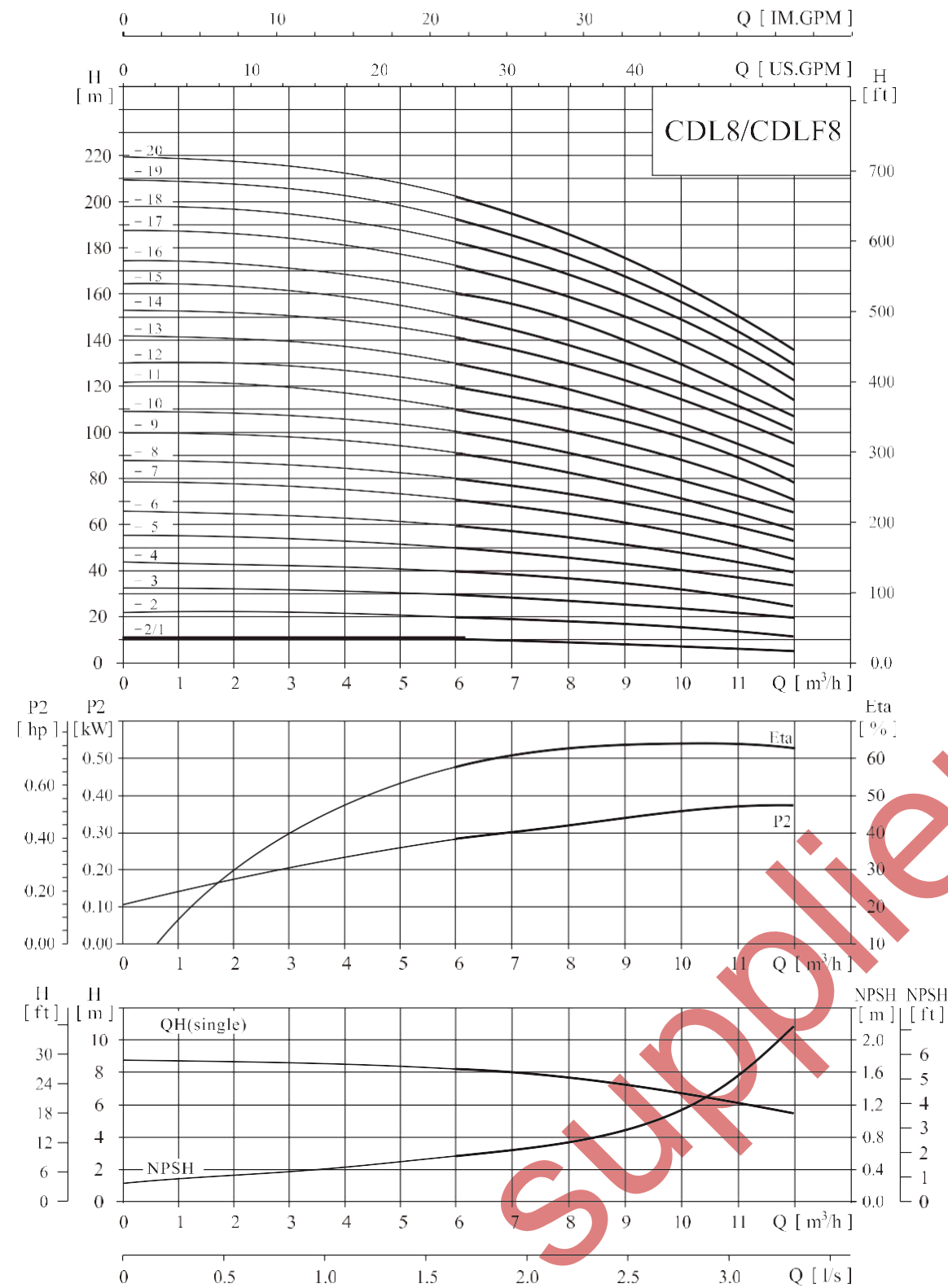
● Installation sketch



● Size and weight

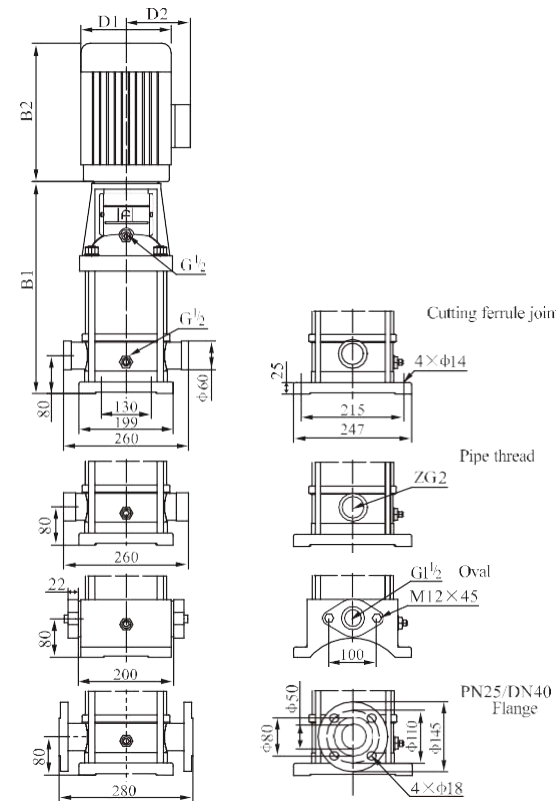
| Model   | Size (mm) |     |       |     |     | Weight (kg) |
|---------|-----------|-----|-------|-----|-----|-------------|
|         | B1        | B2  | B1+B2 | D1  | D2  |             |
| CDL4-2  | 276       | 210 | 486   | 148 | 117 | 20          |
| CDL4-3  | 303       | 210 | 513   | 148 | 117 | 20          |
| CDL4-4  | 340       | 245 | 585   | 170 | 142 | 20          |
| CDL4-5  | 367       | 245 | 612   | 170 | 142 | 25          |
| CDL4-6  | 394       | 245 | 639   | 170 | 142 | 25          |
| CDL4-7  | 431       | 290 | 721   | 190 | 155 | 30          |
| CDL4-8  | 458       | 290 | 748   | 190 | 155 | 30          |
| CDL4-10 | 512       | 290 | 802   | 190 | 155 | 30          |
| CDL4-12 | 566       | 290 | 856   | 190 | 155 | 35          |
| CDL4-14 | 630       | 315 | 945   | 197 | 165 | 35          |
| CDL4-16 | 684       | 315 | 999   | 197 | 165 | 40          |
| CDL4-19 | 765       | 335 | 1100  | 230 | 188 | 45          |
| CDL4-22 | 846       | 335 | 1181  | 230 | 188 | 50          |

CDL4-19 ~ 4-22 sub-connection of pipeline has no oval flange connection. The overall dimensions of the single-phase motor and explosion-proof motor are a little different. Pls contact us for details.



| Model    |      |     | Q (m³/h) | 5    | 6    | 7   | 8   | 9   | 10  | 11  | 12 |
|----------|------|-----|----------|------|------|-----|-----|-----|-----|-----|----|
| CDL8-2/1 | 0.75 | 1   | 10       | 9.5  | 9.3  | 9   | 8.5 | 8   | 7   | 6   |    |
| CDL8-2   | 0.75 | 1   | 20       | 19.5 | 19   | 18  | 17  | 16  | 14  | 13  |    |
| CDL8-3   | 1.1  | 1.5 | 30       | 29.5 | 28.5 | 27  | 25  | 24  | 21  | 19  |    |
| CDL8-4   | 1.5  | 2   | 41       | 39.5 | 38   | 36  | 34  | 32  | 28  | 26  |    |
| CDL8-5   | 2.2  | 3   | 52       | 50   | 48   | 45  | 42  | 40  | 36  | 32  |    |
| CDL8-6   | 2.2  | 3   | 62       | 60   | 57   | 54  | 51  | 48  | 43  | 39  |    |
| CDL8-8   | 3.0  | 4   | 83       | 80   | 77   | 73  | 69  | 65  | 58  | 52  |    |
| CDL8-10  | 4.0  | 5.5 | 104      | 100  | 97   | 92  | 87  | 81  | 73  | 65  |    |
| CDL8-12  | 4.0  | 5.5 | 124      | 120  | 116  | 111 | 104 | 92  | 87  | 78  |    |
| CDL8-14  | 5.5  | 7.5 | 145      | 141  | 136  | 130 | 122 | 113 | 102 | 92  |    |
| CDL8-16  | 5.5  | 7.5 | 166      | 161  | 156  | 148 | 139 | 130 | 118 | 106 |    |
| CDL8-18  | 7.5  | 10  | 187      | 182  | 175  | 167 | 157 | 146 | 134 | 120 |    |
| CDL8-20  | 7.5  | 10  | 208      | 202  | 195  | 186 | 175 | 163 | 150 | 135 |    |

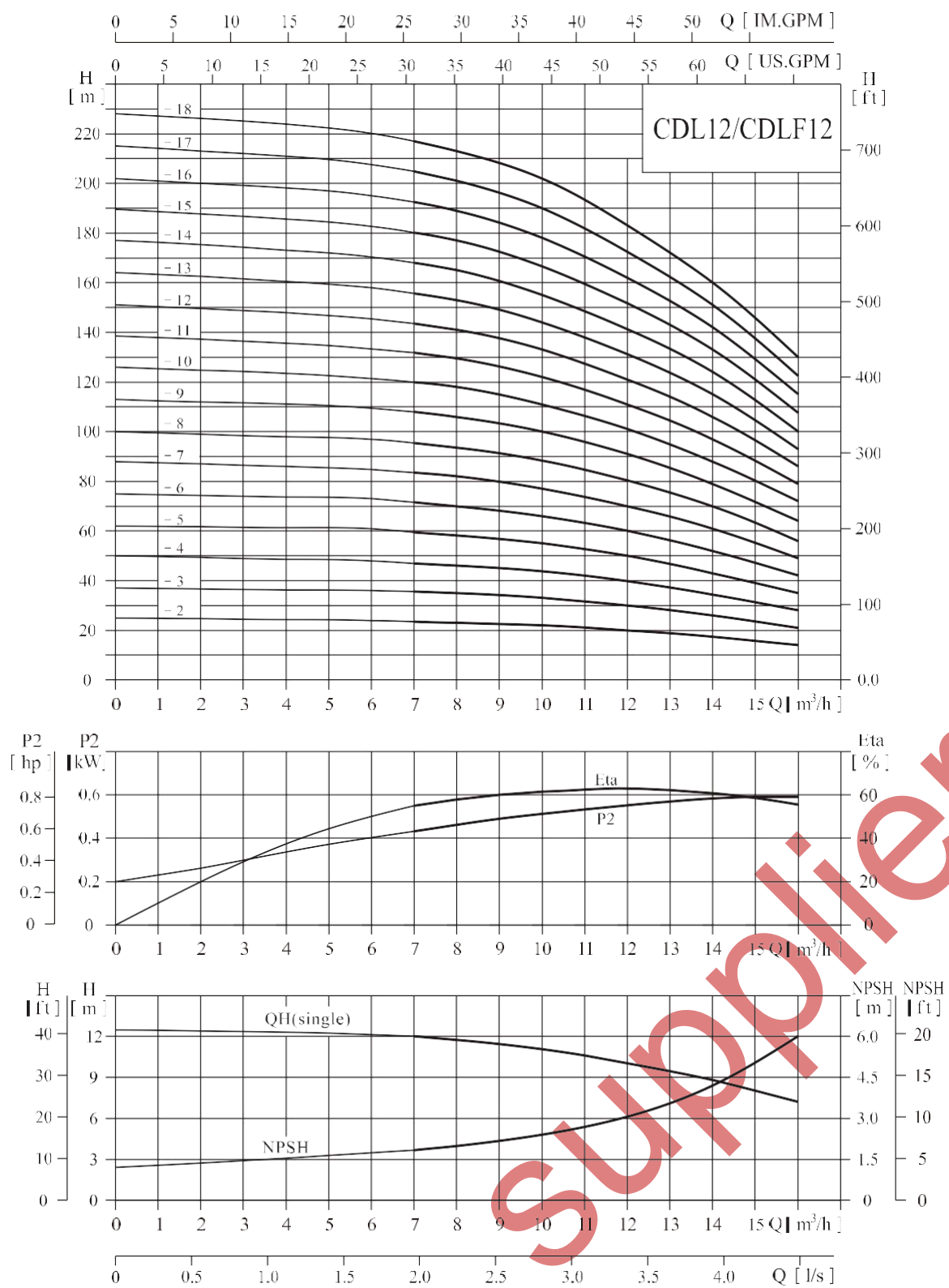
● Installation sketch



● Size and weight

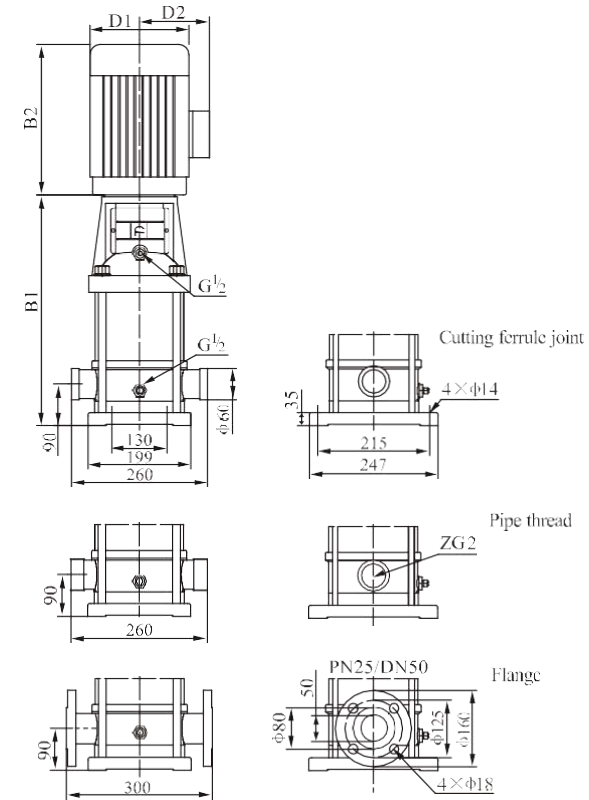
| Model    | Size (mm) |     |       |     |     | Weight (kg) |
|----------|-----------|-----|-------|-----|-----|-------------|
|          | B1        | B2  | B1+B2 | D1  | D2  |             |
| CDL8-2/1 | 347       | 245 | 592   | 170 | 142 | 22          |
| CDL8-2   | 347       | 245 | 592   | 170 | 142 | 22          |
| CDL8-3   | 377       | 245 | 622   | 170 | 142 | 32          |
| CDL8-4   | 417       | 290 | 707   | 190 | 155 | 32          |
| CDL8-5   | 447       | 290 | 737   | 190 | 155 | 42          |
| CDL8-6   | 477       | 290 | 767   | 190 | 155 | 42          |
| CDL8-8   | 547       | 315 | 862   | 197 | 165 | 47          |
| CDL8-10  | 607       | 335 | 942   | 230 | 188 | 57          |
| CDL8-12  | 667       | 335 | 1002  | 230 | 188 | 57          |
| CDL8-14  | 747       | 430 | 1177  | 260 | 208 | 82          |
| CDL8-16  | 807       | 430 | 1237  | 260 | 208 | 82          |
| CDL8-18  | 867       | 430 | 1297  | 260 | 208 | 92          |
| CDL8-20  | 927       | 430 | 1357  | 260 | 208 | 92          |

CDL8-14 ~ 8-20 sub-connection of pipeline has no oval flange connection. The overall dimensions of the single-phase motor and explosion-proof motor are a little different. Pls contact us for details.



| Model    |     |     | Q (m³/h) | 7     | 8   | 9     | 10  | 11    | 12  | 13    | 14  | 15    | 16  |
|----------|-----|-----|----------|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|
| CDL12-2  | 1.5 | 2   | H (m)    | 23.5  | 23  | 22.5  | 22  | 21    | 20  | 18.5  | 17  | 15.5  | 14  |
| CDL12-3  | 2.2 | 3   |          | 35.5  | 35  | 34    | 33  | 31.5  | 30  | 28    | 26  | 23.5  | 21  |
| CDL12-4  | 3   | 4   |          | 47    | 46  | 45    | 44  | 42    | 40  | 37    | 34  | 31    | 28  |
| CDL12-5  | 3   | 4   |          | 59.5  | 58  | 56.5  | 55  | 52.5  | 50  | 46.5  | 43  | 39    | 35  |
| CDL12-6  | 4   | 5.5 |          | 71.5  | 70  | 68    | 66  | 63    | 60  | 56    | 52  | 47    | 42  |
| CDL12-7  | 5.5 | 7.5 |          | 83.5  | 82  | 79.5  | 77  | 73.5  | 70  | 65.5  | 61  | 55    | 49  |
| CDL12-8  | 5.5 | 7.5 |          | 95.5  | 94  | 91    | 88  | 84    | 80  | 75    | 70  | 63    | 56  |
| CDL12-9  | 5.5 | 7.5 |          | 108   | 106 | 103   | 100 | 95.5  | 91  | 85    | 79  | 71.5  | 64  |
| CDL12-10 | 7.5 | 10  |          | 120   | 118 | 114.5 | 111 | 106   | 101 | 94.5  | 88  | 80    | 72  |
| CDL12-12 | 7.5 | 10  |          | 143.5 | 141 | 137   | 133 | 127   | 121 | 113.5 | 106 | 96    | 86  |
| CDL12-14 | 11  | 15  |          | 168   | 165 | 160   | 155 | 148   | 141 | 132.5 | 124 | 112   | 100 |
| CDL12-16 | 11  | 15  |          | 192.5 | 189 | 183.5 | 178 | 170   | 162 | 152   | 142 | 128.5 | 115 |
| CDL12-18 | 11  | 15  |          | 217   | 213 | 207.5 | 202 | 192.5 | 183 | 171.5 | 160 | 145   | 130 |

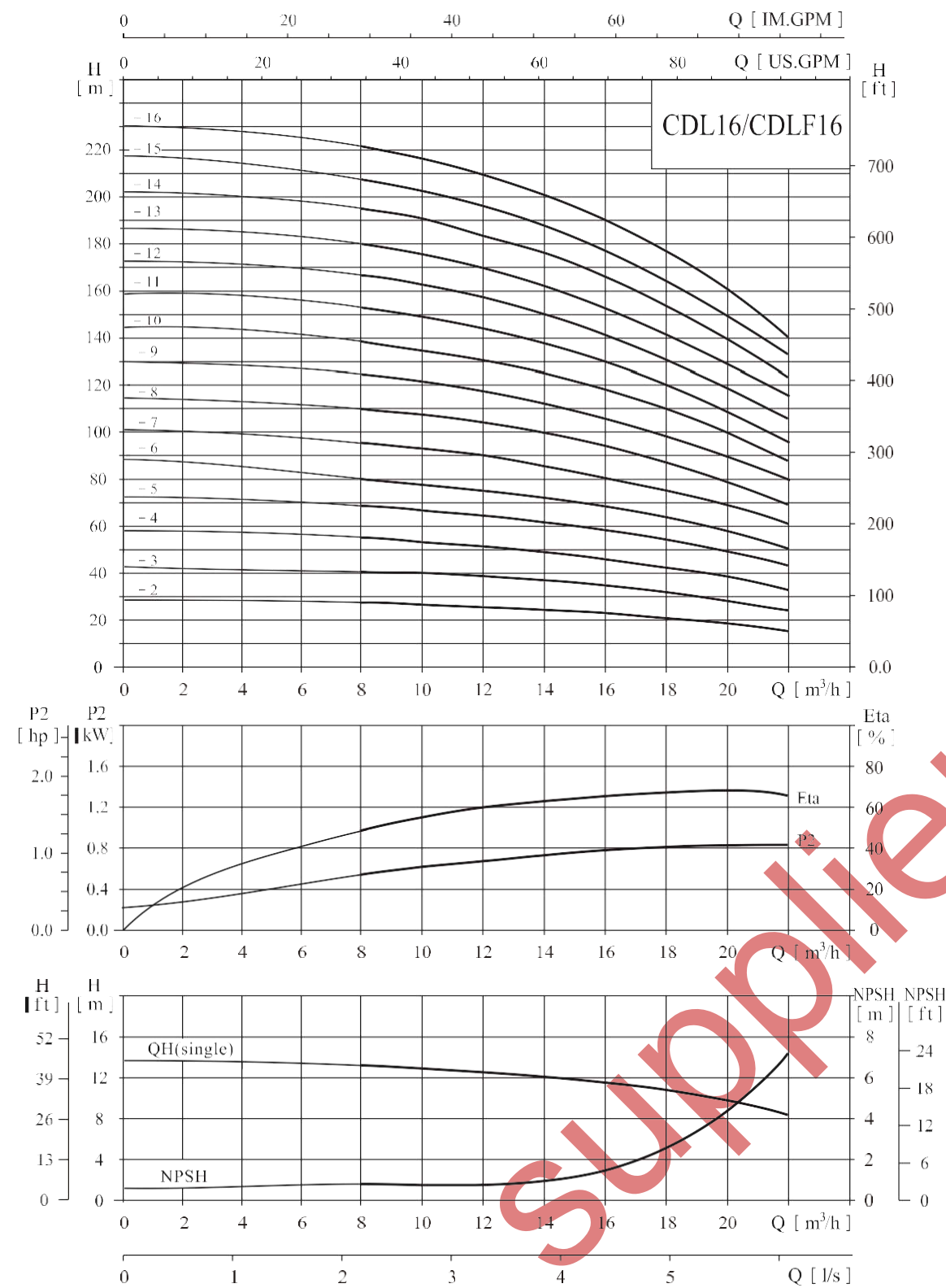
● Installation sketch



The overall dimensions of the single-phase motor and explosion-proof motor are a little different. Pls contact us for details.

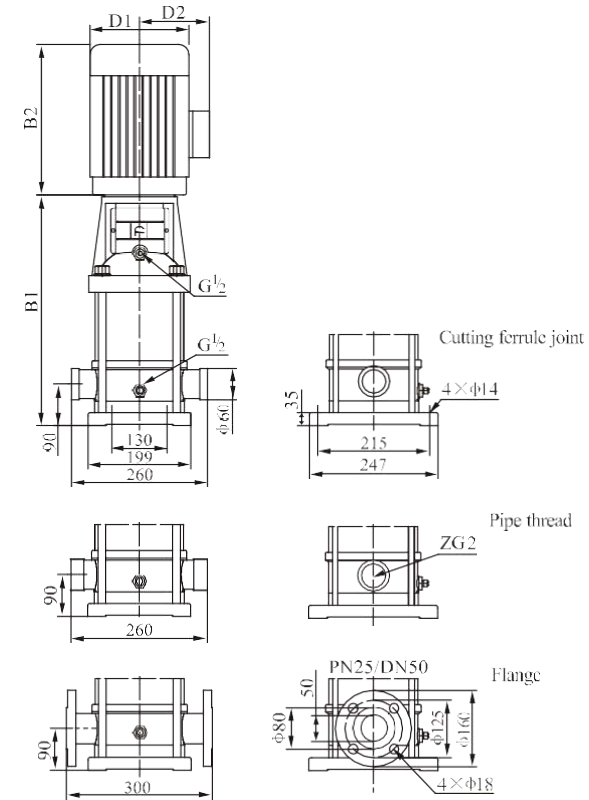
● Size and weight

| Model    |     |     |      |     | Weight (kg) |     |
|----------|-----|-----|------|-----|-------------|-----|
|          | B1  | B2  | D1   | D2  |             |     |
| CDL12-2  | 367 | 290 | 657  | 190 | 155         | 36  |
| CDL12-3  | 397 | 290 | 687  | 190 | 155         | 39  |
| CDL12-4  | 437 | 315 | 752  | 197 | 165         | 46  |
| CDL12-5  | 467 | 315 | 782  | 197 | 165         | 47  |
| CDL12-6  | 497 | 335 | 832  | 230 | 188         | 57  |
| CDL12-7  | 547 | 430 | 977  | 260 | 208         | 75  |
| CDL12-8  | 577 | 430 | 1007 | 260 | 208         | 75  |
| CDL12-9  | 607 | 430 | 1037 | 260 | 208         | 77  |
| CDL12-10 | 637 | 430 | 1067 | 260 | 208         | 77  |
| CDL12-12 | 697 | 430 | 1127 | 260 | 208         | 79  |
| CDL12-14 | 845 | 490 | 1335 | 330 | 255         | 150 |
| CDL12-16 | 905 | 490 | 1395 | 330 | 255         | 150 |
| CDL12-18 | 965 | 490 | 1455 | 330 | 255         | 152 |



| Model    |     |     | Q (m³/h) | 8   | 10  | 12  | 14  | 16  | 18  | 20  | 22  |
|----------|-----|-----|----------|-----|-----|-----|-----|-----|-----|-----|-----|
| CDL16-2  | 2.2 | 3   | H (m)    | 27  | 26  | 25  | 24  | 22  | 21  | 19  | 16  |
| CDL16-3  | 3.0 | 4   |          | 41  | 40  | 38  | 37  | 34  | 32  | 29  | 25  |
| CDL16-4  | 4.0 | 5.5 |          | 54  | 53  | 52  | 49  | 46  | 43  | 38  | 34  |
| CDL16-5  | 5.5 | 7.5 |          | 68  | 67  | 65  | 62  | 58  | 54  | 48  | 43  |
| CDL16-6  | 5.5 | 7.5 |          | 82  | 80  | 78  | 74  | 70  | 64  | 58  | 52  |
| CDL16-7  | 7.5 | 10  |          | 96  | 95  | 91  | 87  | 82  | 76  | 68  | 61  |
| CDL16-8  | 7.5 | 10  |          | 110 | 108 | 104 | 99  | 94  | 86  | 77  | 70  |
| CDL16-10 | 11  | 15  |          | 138 | 136 | 131 | 125 | 118 | 109 | 97  | 87  |
| CDL16-12 | 11  | 15  |          | 166 | 162 | 157 | 150 | 141 | 130 | 116 | 105 |
| CDL16-14 | 15  | 20  |          | 194 | 190 | 184 | 175 | 166 | 152 | 136 | 122 |
| CDL16-16 | 15  | 20  |          | 222 | 217 | 210 | 200 | 189 | 174 | 156 | 140 |

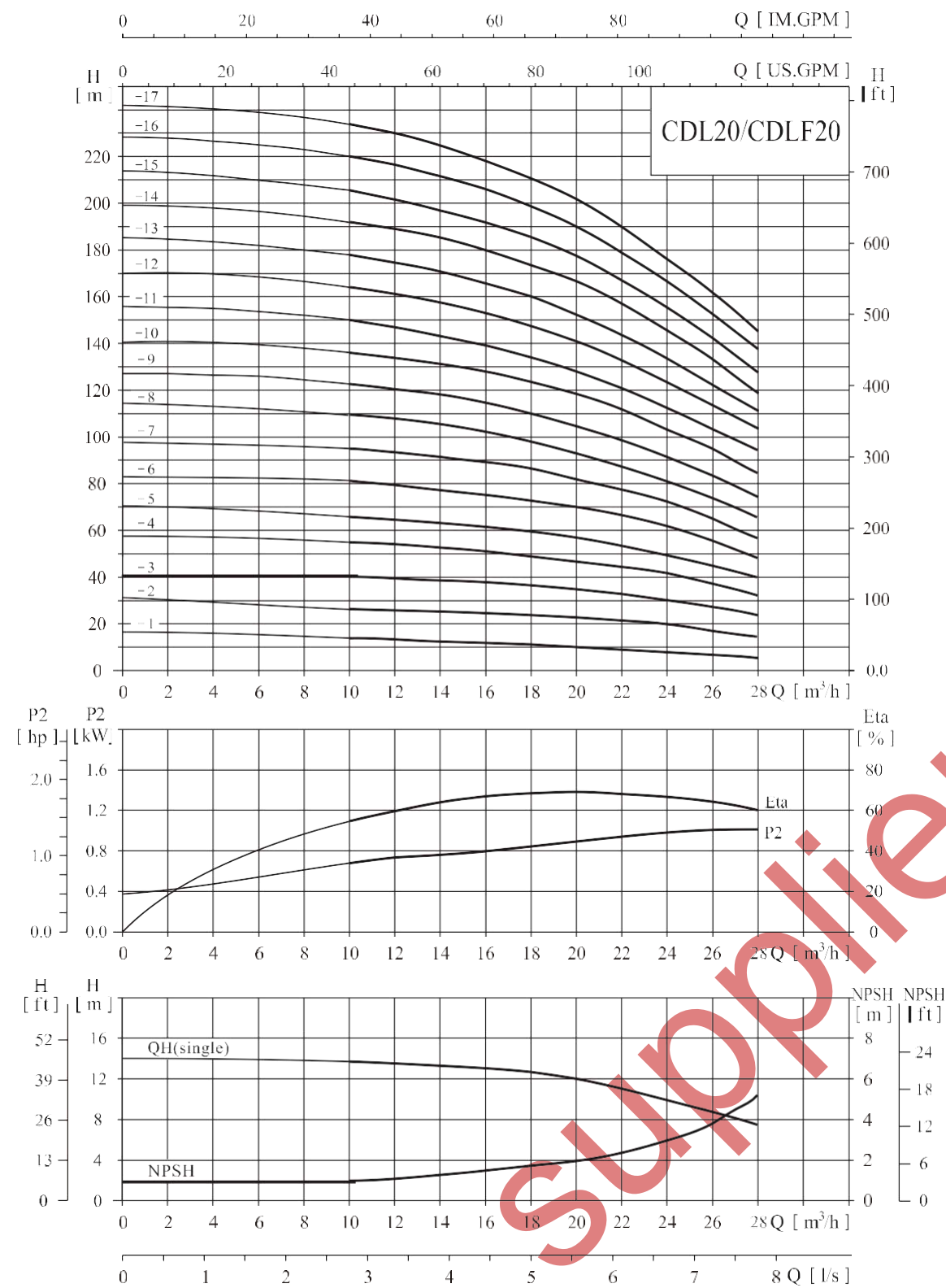
● Installation sketch



● Size and weight

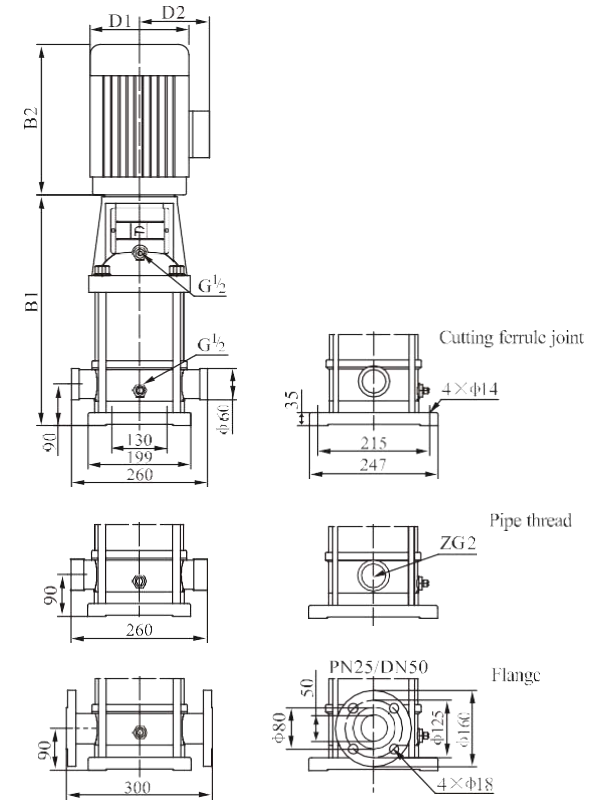
| Model    |      |     |      |     | Weight (kg) |     |
|----------|------|-----|------|-----|-------------|-----|
|          | B1   | B2  | D1   | D2  |             |     |
| CDL16-2  | 397  | 290 | 687  | 190 | 155         | 42  |
| CDL16-3  | 452  | 315 | 767  | 197 | 165         | 52  |
| CDL16-4  | 497  | 335 | 832  | 230 | 188         | 57  |
| CDL16-5  | 562  | 430 | 992  | 260 | 208         | 72  |
| CDL16-6  | 607  | 430 | 1037 | 260 | 208         | 77  |
| CDL16-7  | 652  | 430 | 1082 | 260 | 208         | 82  |
| CDL16-8  | 697  | 430 | 1127 | 260 | 208         | 82  |
| CDL16-10 | 875  | 490 | 1365 | 330 | 255         | 142 |
| CDL16-12 | 965  | 490 | 1455 | 330 | 255         | 147 |
| CDL16-14 | 1055 | 490 | 1545 | 330 | 255         | 162 |
| CDL16-16 | 1145 | 490 | 1635 | 330 | 255         | 167 |

The overall dimensions of the single-phase motor and explosion-proof motor are a little different. Pls contact us for details.



| Model    |      |     | Q (m³/h) | 10   | 12   | 14   | 16  | 18  | 20  | 22  | 24  | 26  | 28  |
|----------|------|-----|----------|------|------|------|-----|-----|-----|-----|-----|-----|-----|
| CDL20-1  | 1.1  | 1.5 | H (m)    | 13.5 | 13   | 12.5 | 12  | 11  | 10  | 9   | 8   | 7   | 6   |
| CDL20-2  | 2.2  | 3   |          | 27   | 26.5 | 26   | 25  | 24  | 23  | 22  | 20  | 18  | 15  |
| CDL20-3  | 4.0  | 5.5 |          | 40   | 39.5 | 39   | 38  | 37  | 35  | 33  | 30  | 27  | 24  |
| CDL20-4  | 5.5  | 7.5 |          | 54   | 53   | 52   | 51  | 49  | 47  | 44  | 41  | 37  | 33  |
| CDL20-5  | 5.5  | 7.5 |          | 67   | 66   | 64   | 62  | 60  | 58  | 55  | 50  | 45  | 40  |
| CDL20-6  | 7.5  | 10  |          | 81   | 79   | 77   | 75  | 73  | 70  | 66  | 61  | 55  | 49  |
| CDL20-7  | 7.5  | 10  |          | 95   | 93   | 91   | 89  | 86  | 82  | 77  | 71  | 65  | 58  |
| CDL20-8  | 11   | 15  |          | 109  | 107  | 105  | 102 | 99  | 94  | 89  | 82  | 75  | 67  |
| CDL20-10 | 11   | 15  |          | 136  | 134  | 131  | 128 | 124 | 118 | 111 | 103 | 95  | 85  |
| CDL20-12 | 15   | 20  |          | 164  | 162  | 158  | 154 | 149 | 142 | 133 | 124 | 114 | 102 |
| CDL20-14 | 15   | 20  |          | 192  | 189  | 185  | 180 | 174 | 166 | 156 | 145 | 133 | 119 |
| CDL20-17 | 18.5 | 25  |          | 234  | 230  | 225  | 219 | 212 | 202 | 190 | 177 | 162 | 145 |

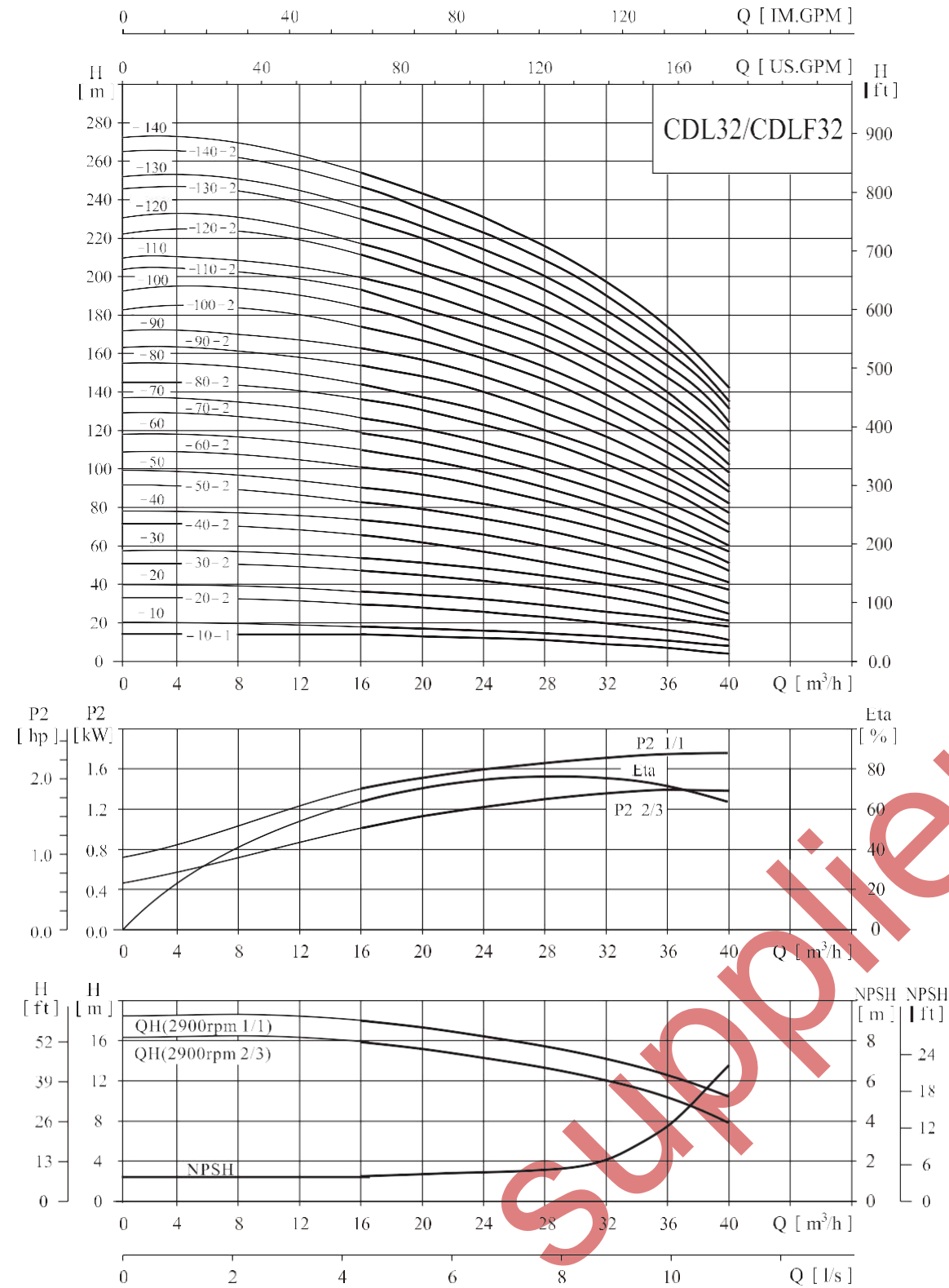
● Installation sketch



● Size and weight

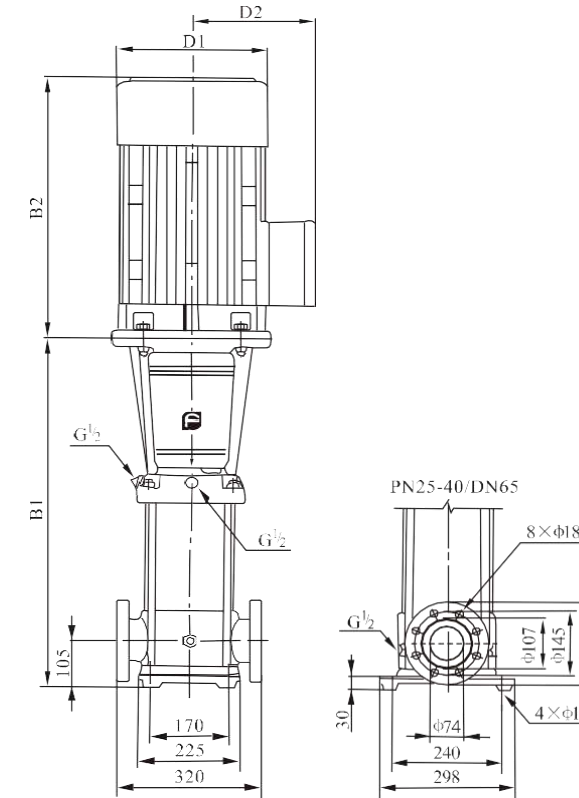
| Model    | Size (mm) |     |       |     |     | Weight (kg) |
|----------|-----------|-----|-------|-----|-----|-------------|
|          | B1        | B2  | B1 B2 | D1  | D2  |             |
| CDL20-1  | 387       | 245 | 632   | 170 | 142 | 32          |
| CDL20-2  | 397       | 290 | 687   | 190 | 155 | 43          |
| CDL20-3  | 452       | 335 | 787   | 230 | 188 | 57          |
| CDL20-4  | 517       | 430 | 947   | 260 | 208 | 72          |
| CDL20-5  | 562       | 430 | 992   | 260 | 208 | 74          |
| CDL20-6  | 607       | 430 | 1037  | 260 | 208 | 82          |
| CDL20-7  | 652       | 430 | 1082  | 260 | 208 | 84          |
| CDL20-8  | 785       | 490 | 1275  | 330 | 255 | 140         |
| CDL20-10 | 875       | 490 | 1365  | 330 | 255 | 145         |
| CDL20-12 | 965       | 490 | 1455  | 330 | 255 | 160         |
| CDL20-14 | 1055      | 490 | 1545  | 330 | 255 | 165         |
| CDL20-17 | 1190      | 550 | 1740  | 330 | 255 | 190         |

The overall dimensions of the single-phase motor and explosion-proof motor are a little different. Pls contact us for details.



| Model      | Driving motor |      | Head (m) |     |     |     |    |    |    | Driving motor |      | Head (m) |     |     |     |     |     |     |     |
|------------|---------------|------|----------|-----|-----|-----|----|----|----|---------------|------|----------|-----|-----|-----|-----|-----|-----|-----|
|            | (kW)          | (hp) | 14       | 13  | 12  | 11  | 9  | 7  | 4  | (kW)          | (hp) | 136      | 131 | 123 | 114 | 102 | 90  | 71  |     |
| CDL32-10-1 | 1.5           | 2    | 14       | 13  | 12  | 11  | 9  | 7  | 4  | CDL32-80-2    | 15   | 20       | 136 | 131 | 123 | 114 | 102 | 90  | 71  |
| CDL32-10   | 2.2           | 3    | 18       | 17  | 15  | 14  | 13 | 11 | 8  | CDL32-80      | 15   | 20       | 144 | 138 | 130 | 120 | 109 | 97  | 77  |
| CDL32-20-2 | 3.0           | 4    | 29       | 28  | 26  | 23  | 20 | 16 | 11 | CDL32-90-2    | 18.5 | 25       | 154 | 148 | 140 | 129 | 117 | 102 | 82  |
| CDL32-20   | 4.0           | 5.5  | 36       | 34  | 32  | 29  | 27 | 23 | 18 | CDL32-90      | 18.5 | 25       | 162 | 156 | 147 | 136 | 124 | 109 | 88  |
| CDL32-30-2 | 5.5           | 7.5  | 47       | 44  | 41  | 38  | 33 | 28 | 21 | CDL32-100-2   | 18.5 | 25       | 175 | 166 | 157 | 146 | 131 | 115 | 91  |
| CDL32-30   | 5.5           | 7.5  | 54       | 51  | 48  | 44  | 40 | 35 | 27 | CDL32-100     | 18.5 | 25       | 182 | 173 | 164 | 152 | 138 | 122 | 98  |
| CDL32-40-2 | 7.5           | 10   | 65       | 62  | 58  | 53  | 46 | 40 | 30 | CDL32-110-2   | 22   | 30       | 193 | 184 | 173 | 164 | 146 | 128 | 102 |
| CDL32-40   | 7.5           | 10   | 72       | 69  | 65  | 59  | 53 | 47 | 37 | CDL32-110     | 22   | 30       | 200 | 191 | 180 | 168 | 153 | 135 | 109 |
| CDL32-50-2 | 11            | 15   | 83       | 79  | 74  | 68  | 60 | 52 | 41 | CDL32-120-2   | 22   | 30       | 211 | 201 | 189 | 178 | 160 | 140 | 113 |
| CDL32-50   | 11            | 15   | 90       | 86  | 81  | 74  | 67 | 59 | 47 | CDL32-120     | 22   | 30       | 218 | 208 | 196 | 184 | 167 | 147 | 120 |
| CDL32-60-2 | 11            | 15   | 101      | 97  | 90  | 83  | 74 | 65 | 51 | CDL32-130-2   | 30   | 40       | 230 | 218 | 206 | 193 | 174 | 153 | 124 |
| CDL32-60   | 11            | 15   | 108      | 104 | 97  | 90  | 81 | 72 | 57 | CDL32-130     | 30   | 40       | 237 | 225 | 213 | 200 | 181 | 160 | 131 |
| CDL32-70-2 | 15            | 20   | 119      | 114 | 107 | 98  | 88 | 78 | 60 | CDL32-140-2   | 30   | 40       | 247 | 235 | 222 | 210 | 189 | 165 | 135 |
| CDL32-70   | 15            | 20   | 126      | 121 | 113 | 105 | 95 | 85 | 67 | CDL32-140     | 30   | 40       | 255 | 242 | 229 | 216 | 196 | 172 | 142 |

### ● Installation sketch

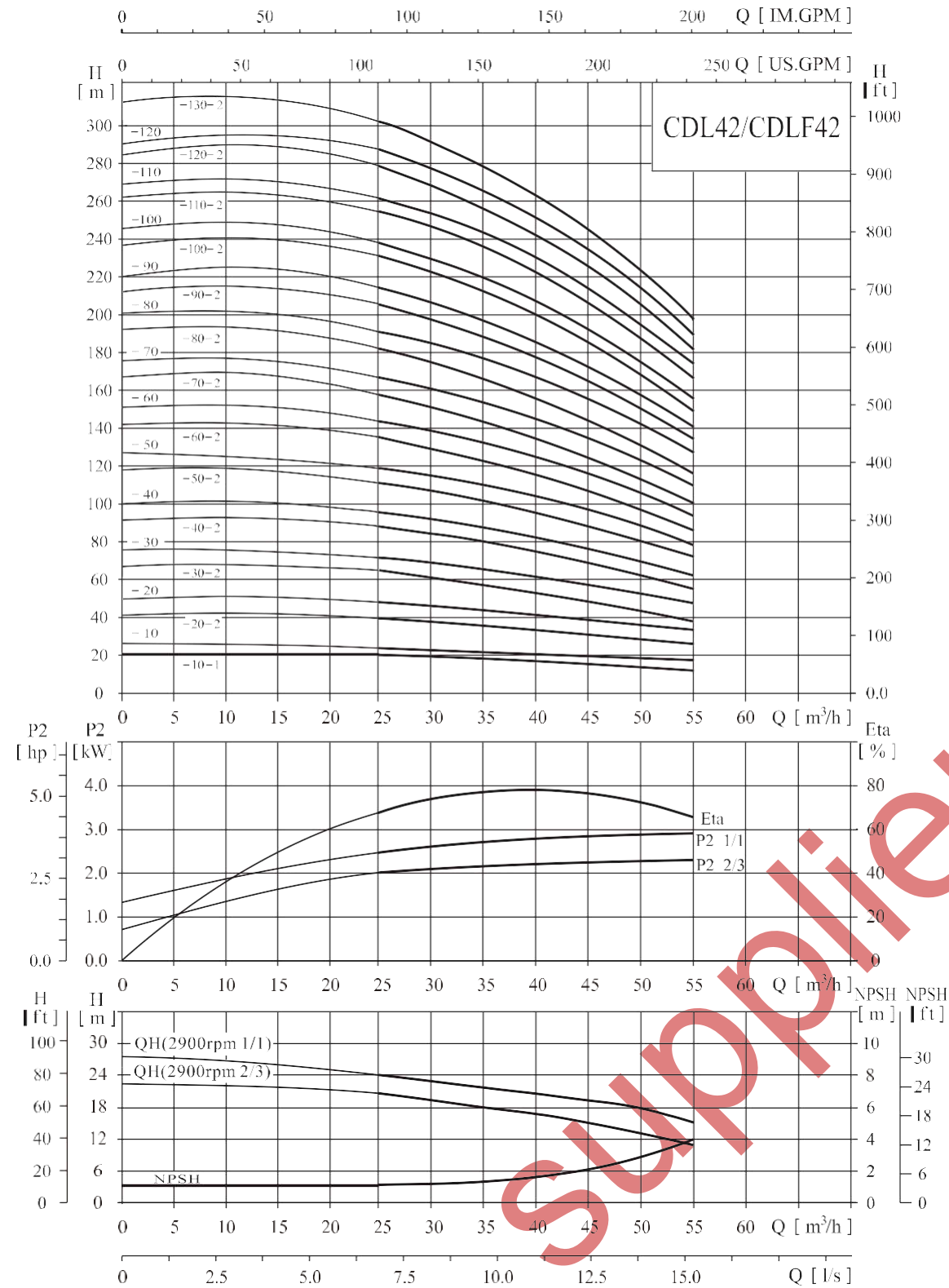


The overall dimensions of the single-phase motor and explosion-proof motor are a little different. Pls contact us for details.

### ● Size and weight

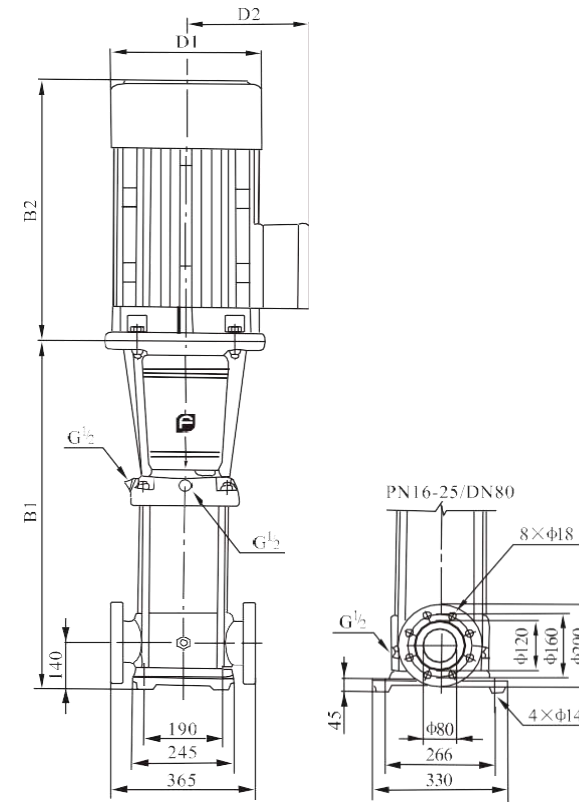
| Model                 | Size (mm) |         |         |         |         | Weight (kg) |
|-----------------------|-----------|---------|---------|---------|---------|-------------|
|                       | B1        | B2      | B1-B2   | D1      | D2      |             |
| CDL32-10-1/CDL32-10   | 505       | 290     | 795     | 190     | 155     | 68/71       |
| CDL32-20-2/CDL32-20   | 575       | 315/335 | 890/910 | 197/230 | 165/180 | 78/84       |
| CDL32-30-2/CDL32-30   | 645       | 430     | 1075    | 260     | 208     | 93          |
| CDL32-40-2/CDL32-40   | 715       | 430     | 1145    | 260     | 208     | 102         |
| CDL32-50-2/CDL32-50   | 890       | 490     | 1380    | 330     | 255     | 172         |
| CDL32-60-2/CDL32-60   | 960       | 490     | 1450    | 330     | 255     | 176         |
| CDL32-70-2/CDL32-70   | 1030      | 490     | 1520    | 330     | 255     | 188         |
| CDL32-80-2/CDL32-80   | 1100      | 490     | 1590    | 330     | 255     | 192         |
| CDL32-90-2/CDL32-90   | 1170      | 550     | 1720    | 330     | 255     | 218         |
| CDL32-100-2/CDL32-100 | 1240      | 550     | 1790    | 330     | 255     | 222         |
| CDL32-110-2/CDL32-110 | 1310      | 590     | 1900    | 360     | 285     | 259         |
| CDL32-120-2/CDL32-120 | 1380      | 590     | 1970    | 360     | 285     | 263         |
| CDL32-130-2/CDL32-130 | 1450      | 660     | 2110    | 400     | 310     | 327         |
| CDL32-140-2/CDL32-140 | 1520      | 660     | 2180    | 400     | 310     | 331         |





| Model       | Q      |     | H (m) |     |     |     |     |     |     |     |  |  |
|-------------|--------|-----|-------|-----|-----|-----|-----|-----|-----|-----|--|--|
|             | (m³/h) |     | 25    | 30  | 35  | 40  | 42  | 45  | 50  | 55  |  |  |
| CDL42-10-1  | 3.0    | 4   | 20    | 19  | 18  | 17  | 16  | 15  | 13  | 11  |  |  |
| CDL42-10    | 4.0    | 5.5 | 24    | 23  | 22  | 21  | 20  | 19  | 18  | 16  |  |  |
| CDL42-20-2  | 5.5    | 7.5 | 40    | 38  | 36  | 33  | 32  | 30  | 27  | 23  |  |  |
| CDL42-20    | 7.5    | 10  | 48    | 46  | 44  | 42  | 41  | 39  | 35  | 31  |  |  |
| CDL42-30-2  | 11     | 15  | 63    | 61  | 58  | 54  | 52  | 50  | 44  | 38  |  |  |
| CDL42-30    | 11     | 15  | 71    | 69  | 66  | 63  | 61  | 58  | 53  | 47  |  |  |
| CDL42-40-2  | 15     | 20  | 87    | 84  | 80  | 75  | 73  | 69  | 62  | 54  |  |  |
| CDL42-40    | 15     | 20  | 95    | 92  | 88  | 84  | 81  | 78  | 71  | 62  |  |  |
| CDL42-50-2  | 18.5   | 25  | 111   | 107 | 102 | 96  | 93  | 88  | 80  | 69  |  |  |
| CDL42-50    | 18.5   | 25  | 119   | 115 | 110 | 105 | 101 | 97  | 88  | 78  |  |  |
| CDL42-60-2  | 22     | 30  | 135   | 130 | 124 | 117 | 113 | 108 | 97  | 85  |  |  |
| CDL42-60    | 22     | 30  | 143   | 138 | 132 | 125 | 122 | 116 | 106 | 93  |  |  |
| CDL42-70-2  | 30     | 40  | 158   | 152 | 146 | 138 | 134 | 127 | 115 | 100 |  |  |
| CDL42-70    | 30     | 40  | 166   | 161 | 154 | 146 | 142 | 135 | 124 | 109 |  |  |
| CDL42-80-2  | 30     | 40  | 182   | 175 | 168 | 159 | 154 | 146 | 133 | 116 |  |  |
| CDL42-80    | 30     | 40  | 190   | 184 | 176 | 167 | 162 | 154 | 141 | 124 |  |  |
| CDL42-90-2  | 30     | 40  | 205   | 198 | 190 | 180 | 174 | 166 | 150 | 132 |  |  |
| CDL42-90    | 37     | 50  | 214   | 207 | 198 | 188 | 183 | 174 | 159 | 140 |  |  |
| CDL42-100-2 | 37     | 50  | 230   | 221 | 212 | 200 | 194 | 185 | 168 | 147 |  |  |
| CDL42-100   | 37     | 50  | 238   | 230 | 220 | 209 | 203 | 193 | 177 | 155 |  |  |
| CDL42-110-2 | 45     | 60  | 255   | 246 | 236 | 223 | 217 | 206 | 188 | 165 |  |  |
| CDL42-110   | 45     | 60  | 263   | 255 | 244 | 232 | 225 | 214 | 196 | 173 |  |  |
| CDL42-120-2 | 45     | 60  | 280   | 270 | 259 | 245 | 238 | 226 | 206 | 181 |  |  |
| CDL42-120   | 45     | 60  | 289   | 280 | 268 | 255 | 247 | 236 | 216 | 190 |  |  |
| CDL42-130-2 | 45     | 60  | 305   | 294 | 282 | 267 | 259 | 247 | 225 | 198 |  |  |

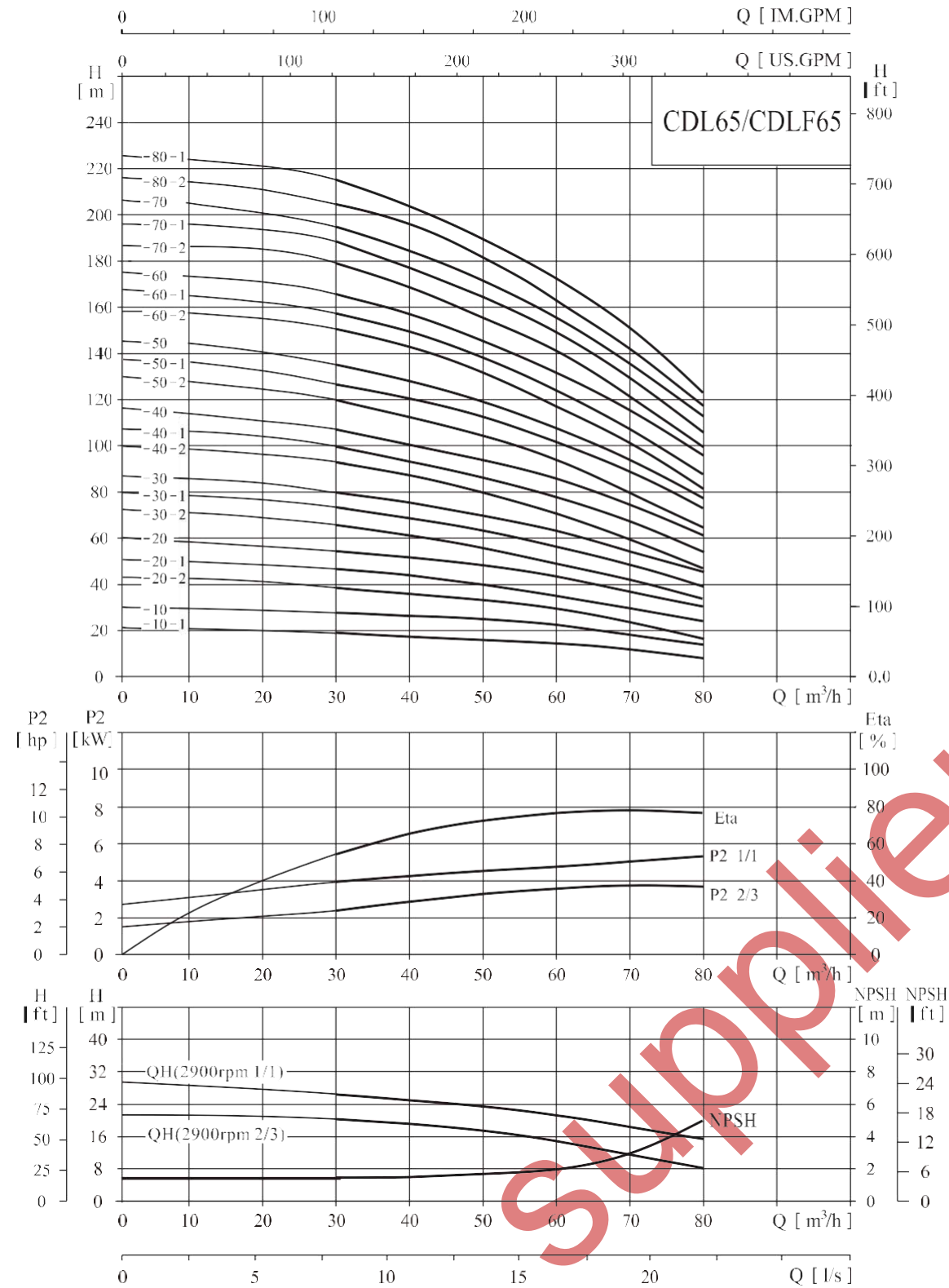
● Installation sketch



● Size and weight

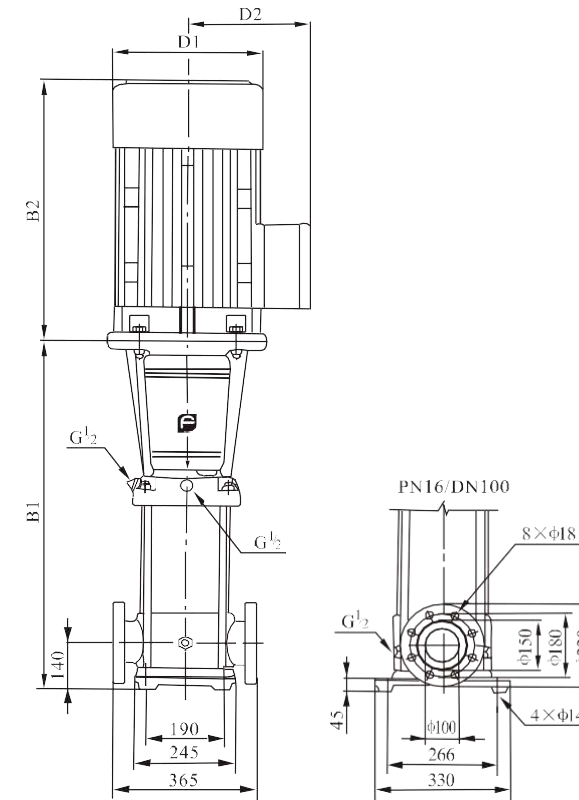
| Model       | Size (mm) |         |         |         |         |         |
|-------------|-----------|---------|---------|---------|---------|---------|
|             |           |         | B1      | B2      |         |         |
| CDL42-10-1  | 561       | 315/335 | 876/896 | 197/230 | 165/188 | 86/92   |
| CDL42-10    |           |         |         |         |         |         |
| CDL42-20-2  | 641       | 430     | 1071    | 260     | 208     | 102/107 |
| CDL42-20    |           |         |         |         |         |         |
| CDL42-30-2  | 826       | 490     | 1316    | 330     | 255     | 175     |
| CDL42-30    |           |         |         |         |         |         |
| CDL42-40-2  | 906       | 490     | 1396    | 330     | 255     | 187     |
| CDL42-40    |           |         |         |         |         |         |
| CDL42-50-2  | 986       | 550     | 1536    | 330     | 255     | 208     |
| CDL42-50    |           |         |         |         |         |         |
| CDL42-60-2  | 1066      | 590     | 1656    | 360     | 285     | 251     |
| CDL42-60    |           |         |         |         |         |         |
| CDL42-70-2  | 1146      | 660     | 1806    | 400     | 310     | 315     |
| CDL42-70    |           |         |         |         |         |         |
| CDL42-80-2  | 1226      | 660     | 1886    | 400     | 310     | 319     |
| CDL42-80    |           |         |         |         |         |         |
| CDL42-90-2  | 1306      | 660     | 1966    | 400     | 310     | 323/343 |
| CDL42-90    |           |         |         |         |         |         |
| CDL42-100-2 | 1386      | 660     | 2046    | 400     | 310     | 347     |
| CDL42-100   |           |         |         |         |         |         |
| CDL42-110-2 | 1466      | 700     | 2166    | 450     | 345     | 413     |
| CDL42-110   |           |         |         |         |         |         |
| CDL42-120-2 | 1546      | 700     | 2246    | 450     | 345     | 417     |
| CDL42-120   |           |         |         |         |         |         |
| CDL42-130-2 | 1626      | 700     | 2326    | 450     | 345     | 421     |

The overall dimensions of the single-phase motor and explosion-proof motor are a little different. Pls contact us for details.



| Model      | Q (m³/h) |     | 30  | 40  | 50  | 60  | 65  | 70  | 80  |
|------------|----------|-----|-----|-----|-----|-----|-----|-----|-----|
| CDL65-10-1 | 4.0      | 5.5 | 19  | 18  | 16  | 14  | 13  | 11  | 8   |
| CDL65-10   | 5.5      | 7.5 | 27  | 25  | 23  | 21  | 20  | 18  | 15  |
| CDL65-20-2 | 7.5      | 10  | 39  | 36  | 33  | 29  | 26  | 23  | 17  |
| CDL65-20-1 | 11       | 15  | 46  | 44  | 40  | 36  | 33  | 30  | 24  |
| CDL65-20   | 11       | 15  | 53  | 51  | 47  | 43  | 40  | 37  | 30  |
| CDL65-30-2 | 15       | 20  | 66  | 62  | 56  | 50  | 46  | 41  | 32  |
| CDL65-30-1 | 15       | 20  | 73  | 69  | 63  | 57  | 53  | 48  | 39  |
| CDL65-30   | 18.5     | 25  | 80  | 76  | 70  | 64  | 60  | 55  | 46  |
| CDL65-40-2 | 18.5     | 25  | 92  | 87  | 80  | 71  | 66  | 60  | 47  |
| CDL65-40-1 | 22       | 30  | 100 | 94  | 87  | 78  | 73  | 67  | 54  |
| CDL65-40   | 22       | 30  | 107 | 101 | 94  | 85  | 80  | 74  | 61  |
| CDL65-50-2 | 30       | 40  | 121 | 114 | 105 | 95  | 88  | 80  | 64  |
| CDL65-50-1 | 30       | 40  | 128 | 121 | 112 | 102 | 95  | 87  | 71  |
| CDL65-50   | 30       | 40  | 136 | 129 | 119 | 109 | 102 | 94  | 78  |
| CDL65-60-2 | 30       | 40  | 150 | 142 | 131 | 118 | 110 | 101 | 81  |
| CDL65-60-1 | 37       | 50  | 157 | 149 | 138 | 125 | 117 | 108 | 88  |
| CDL65-60   | 37       | 50  | 164 | 156 | 145 | 132 | 124 | 115 | 95  |
| CDL65-70-2 | 37       | 50  | 179 | 169 | 156 | 141 | 132 | 121 | 99  |
| CDL65-70-1 | 37       | 50  | 186 | 176 | 163 | 148 | 139 | 128 | 106 |
| CDL65-70   | 45       | 60  | 193 | 183 | 170 | 155 | 146 | 135 | 112 |
| CDL65-80-2 | 45       | 60  | 207 | 196 | 182 | 164 | 154 | 142 | 116 |
| CDL65-80-1 | 45       | 60  | 215 | 203 | 189 | 171 | 161 | 149 | 123 |

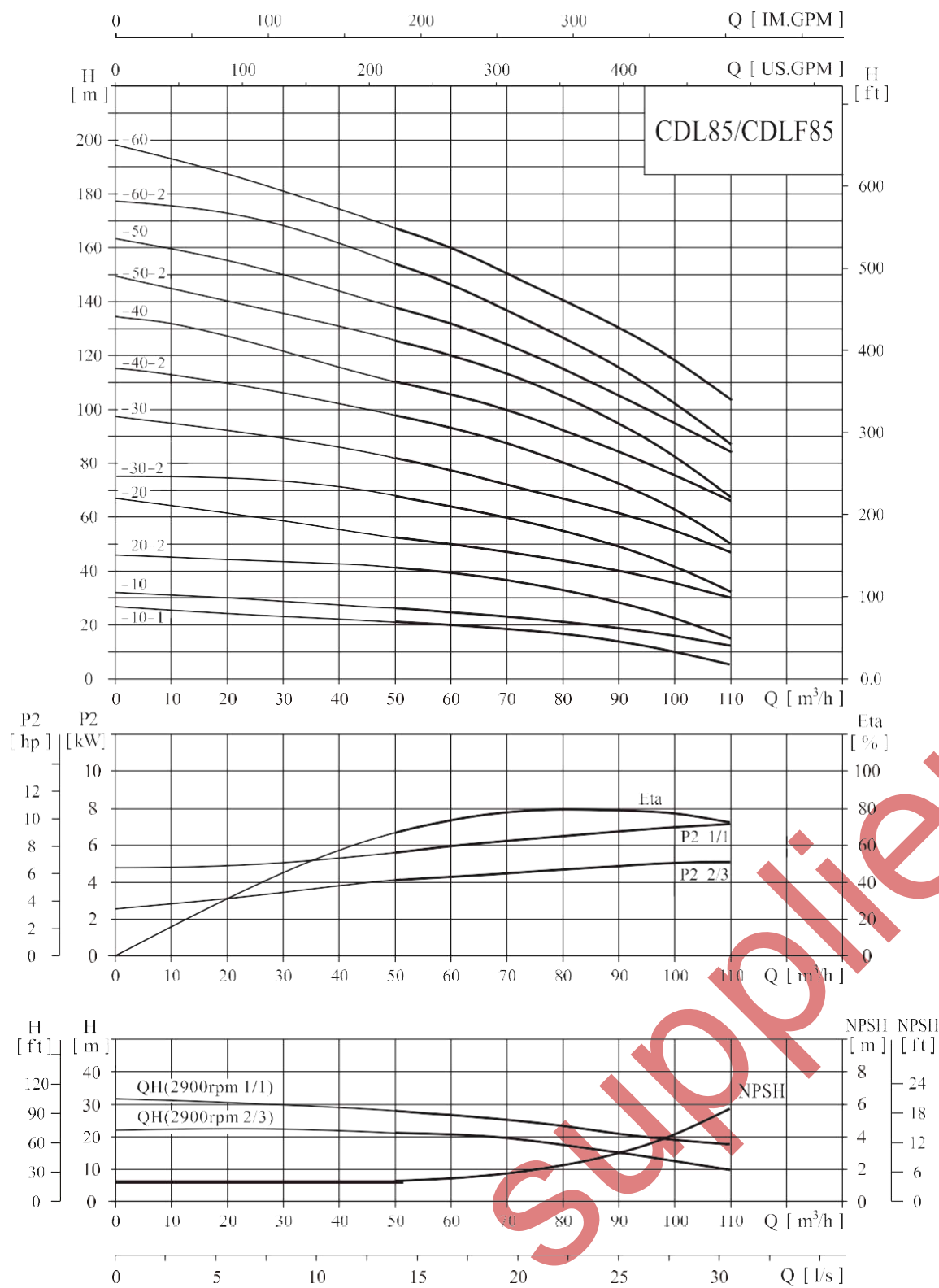
● Installation sketch



● Size and weight

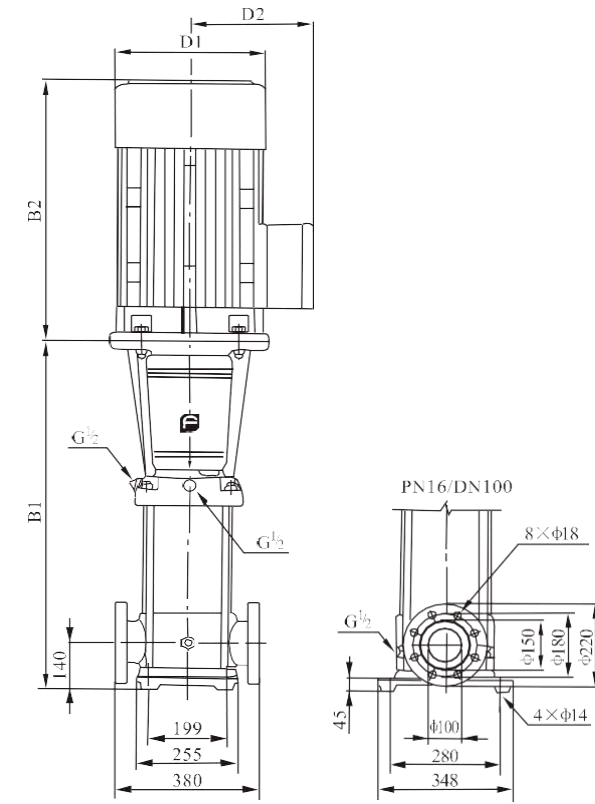
| Model      | Size (mm) |     |       |     |     | Weight (kg) |
|------------|-----------|-----|-------|-----|-----|-------------|
|            | B1        | B2  | B1+B2 | D1  | D2  |             |
| CDL65-10-1 | 561       | 335 | 896   | 230 | 188 | 105         |
| CDL65-10   | 561       | 430 | 991   | 260 | 208 | 110         |
| CDL65-20-2 | 644       | 430 | 1074  | 260 | 208 | 120         |
| CDL65-20-1 | 754       | 490 | 1244  | 330 | 255 | 155         |
| CDL65-20   | 754       | 490 | 1244  | 330 | 255 | 155         |
| CDL65-30-2 | 836       | 490 | 1326  | 330 | 255 | 195         |
| CDL65-30-1 | 836       | 490 | 1326  | 330 | 255 | 195         |
| CDL65-30   | 836       | 550 | 1386  | 330 | 255 | 205         |
| CDL65-40-2 | 919       | 550 | 1469  | 330 | 255 | 208         |
| CDL65-40-1 | 919       | 590 | 1509  | 360 | 285 | 260         |
| CDL65-40   | 919       | 590 | 1509  | 360 | 285 | 260         |
| CDL65-50-2 | 1001      | 660 | 1661  | 400 | 310 | 345         |
| CDL65-50-1 | 1001      | 660 | 1661  | 400 | 310 | 345         |
| CDL65-50   | 1001      | 660 | 1661  | 400 | 310 | 345         |
| CDL65-60-2 | 1084      | 660 | 1744  | 400 | 310 | 350         |
| CDL65-60-1 | 1084      | 660 | 1744  | 400 | 310 | 370         |
| CDL65-60   | 1084      | 660 | 1744  | 400 | 310 | 370         |
| CDL65-70-2 | 1166      | 660 | 1826  | 400 | 310 | 375         |
| CDL65-70-1 | 1166      | 660 | 1826  | 400 | 310 | 375         |
| CDL65-70   | 1166      | 700 | 1866  | 460 | 340 | 435         |
| CDL65-80-2 | 1248      | 700 | 1948  | 460 | 340 | 440         |
| CDL65-80-1 | 1248      | 700 | 1948  | 460 | 340 | 440         |

The overall dimensions of the single-phase motor and explosion-proof motor are a little different. Pls contact us for details.



| Model      | Q (m³/h) |     | 50  | 60  | 70  | 80  | 85  | 90  | 100 | 110 |
|------------|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CDL85-10-1 | 5.5      | 7.5 | 22  | 19  | 17  | 16  | 14  | 13  | 10  | 6   |
| CDL85-10   | 7.5      | 10  | 25  | 24  | 22  | 21  | 20  | 19  | 16  | 12  |
| CDL85-20-2 | 11       | 15  | 41  | 39  | 36  | 32  | 30  | 28  | 22  | 15  |
| CDL85-20   | 15       | 20  | 53  | 50  | 47  | 44  | 41  | 40  | 36  | 30  |
| CDL85-30-2 | 18.5     | 25  | 68  | 65  | 60  | 55  | 52  | 49  | 41  | 32  |
| CDL85-30   | 22       | 30  | 81  | 77  | 72  | 67  | 64  | 62  | 55  | 48  |
| CDL85-40-2 | 30       | 40  | 98  | 93  | 87  | 80  | 75  | 72  | 62  | 50  |
| CDL85-40   | 30       | 40  | 110 | 105 | 100 | 92  | 86  | 84  | 76  | 66  |
| CDL85-50-2 | 37       | 50  | 126 | 120 | 113 | 104 | 98  | 93  | 81  | 68  |
| CDL85-50   | 37       | 50  | 139 | 131 | 124 | 115 | 110 | 106 | 94  | 83  |
| CDL85-60-2 | 45       | 60  | 155 | 148 | 139 | 129 | 122 | 117 | 102 | 86  |
| CDL85-60   | 45       | 60  | 168 | 160 | 150 | 141 | 134 | 130 | 117 | 103 |

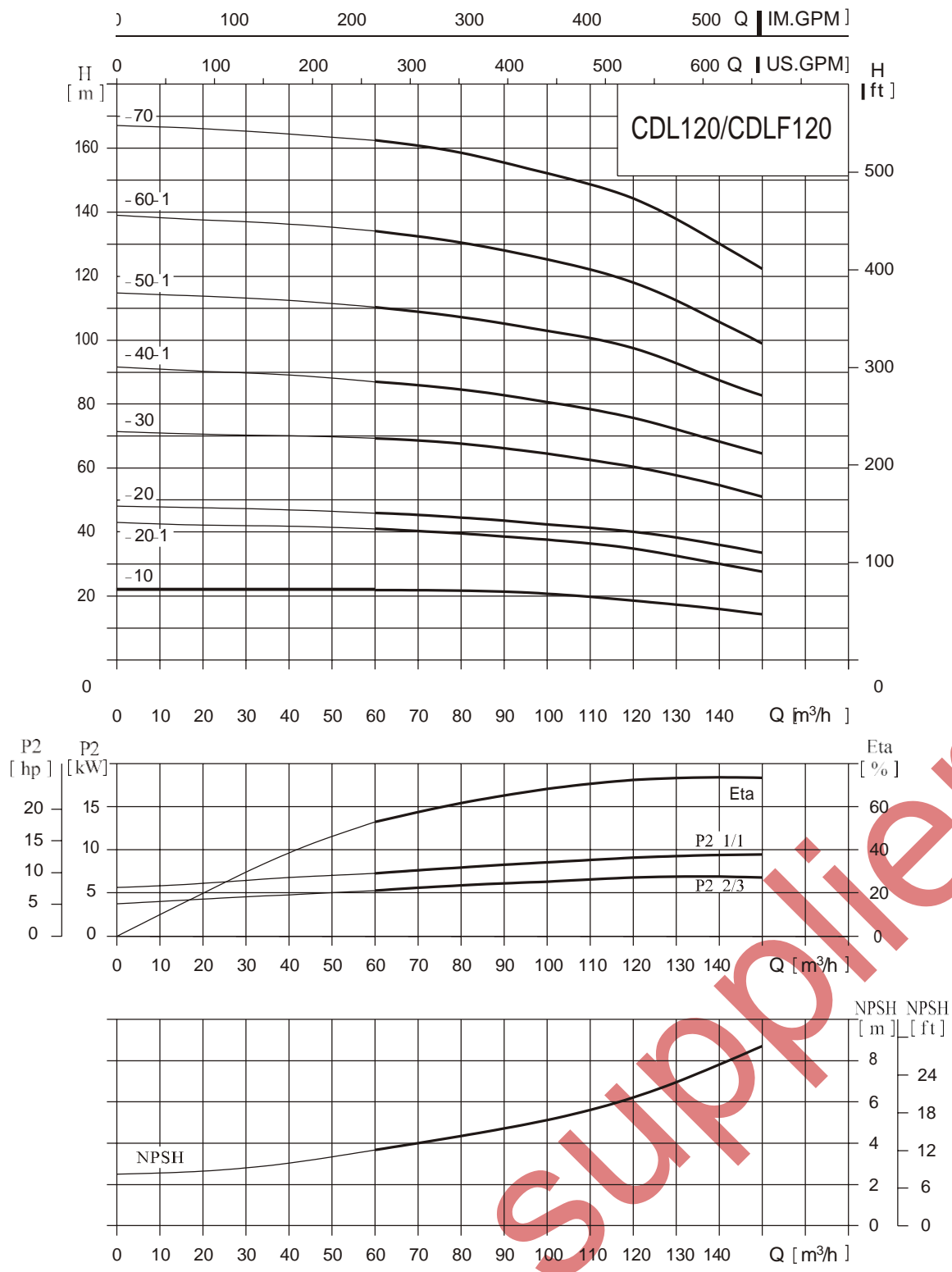
● Installation sketch



● Size and weight

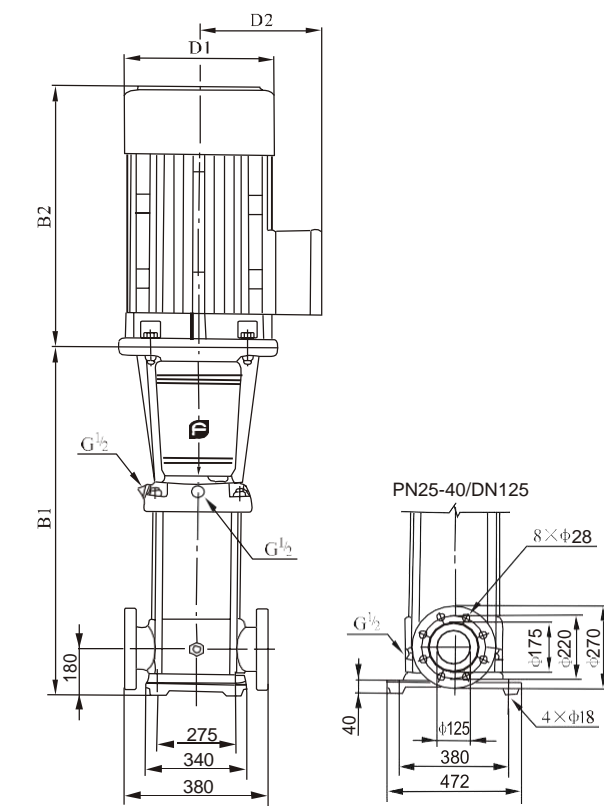
| Model      | Weight (kg) |     |      |     |     |     |
|------------|-------------|-----|------|-----|-----|-----|
| CDL85-10-1 | 571         | 430 | 1001 | 260 | 208 | 120 |
| CDL85-10   | 571         | 430 | 1001 | 260 | 208 | 122 |
| CDL85-20-2 | 773         | 490 | 1263 | 330 | 255 | 165 |
| CDL85-20   | 773         | 490 | 1263 | 330 | 255 | 198 |
| CDL85-30-2 | 865         | 550 | 1415 | 330 | 255 | 212 |
| CDL85-30   | 865         | 590 | 1455 | 360 | 285 | 265 |
| CDL85-40-2 | 957         | 660 | 1617 | 400 | 310 | 348 |
| CDL85-40   | 957         | 660 | 1617 | 400 | 310 | 348 |
| CDL85-50-2 | 1049        | 660 | 1709 | 400 | 310 | 375 |
| CDL85-50   | 1049        | 660 | 1709 | 400 | 310 | 375 |
| CDL85-60-2 | 1141        | 700 | 1841 | 460 | 340 | 438 |
| CDL85-60   | 1141        | 700 | 1841 | 460 | 340 | 438 |

The overall dimensions of the single-phase motor and explosion-proof motor are a little different. Pls contact us for details.



|             |      |     | 60    | 70    | 80    | 90   | 100  | 110  | 120  | 130  | 140  | 150  |
|-------------|------|-----|-------|-------|-------|------|------|------|------|------|------|------|
| CDL120-10   | 11   | 15  | 22    | 21.8  | 21.6  | 21   | 20.5 | 19.5 | 18.5 | 17   | 16   | 15   |
| CDL120-20-1 | 18.5 | 25  | 41    | 40    | 39.5  | 38.5 | 37   | 36.5 | 34.5 | 32.5 | 30   | 27.5 |
| CDL120-20   | 22   | 30  | 46    | 45    | 44.5  | 43.5 | 42.4 | 41   | 40   | 38   | 36   | 33.5 |
| CDL120-30   | 30   | 40  | 69.5  | 68.5  | 67.5  | 66   | 64.4 | 62.5 | 61   | 57.5 | 54.5 | 51   |
| CDL120-40-1 | 37   | 50  | 87    | 86    | 84.5  | 82   | 80   | 78   | 76   | 72   | 68   | 64.5 |
| CDL120-50-1 | 45   | 60  | 110.5 | 109   | 107.5 | 105  | 102  | 100  | 97   | 92   | 86.5 | 83   |
| CDL120-60-1 | 55   | 75  | 134   | 132   | 130.5 | 127  | 124  | 121  | 118  | 111  | 105  | 100  |
| CDL120-70   | 75   | 100 | 162.5 | 160.5 | 158.5 | 155  | 151  | 148  | 145  | 137  | 129  | 123  |

● Installation sketch



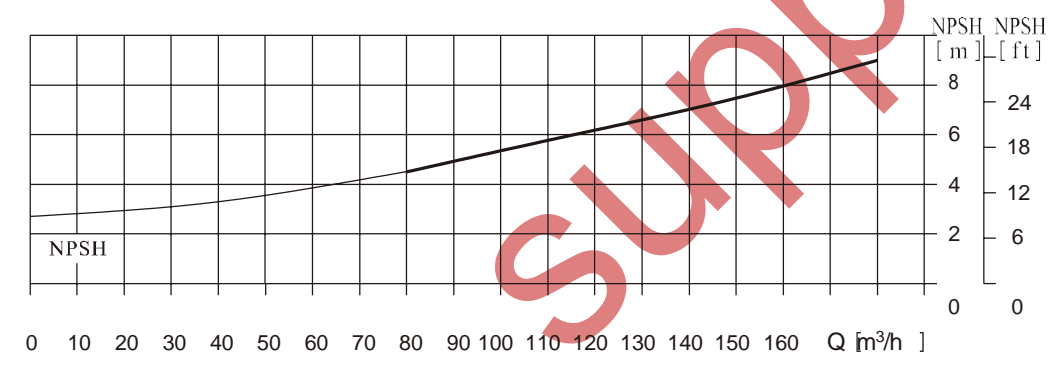
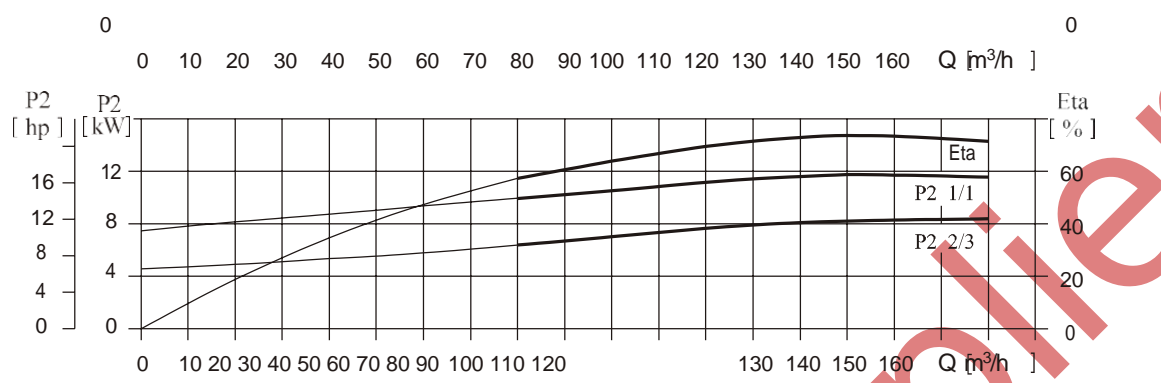
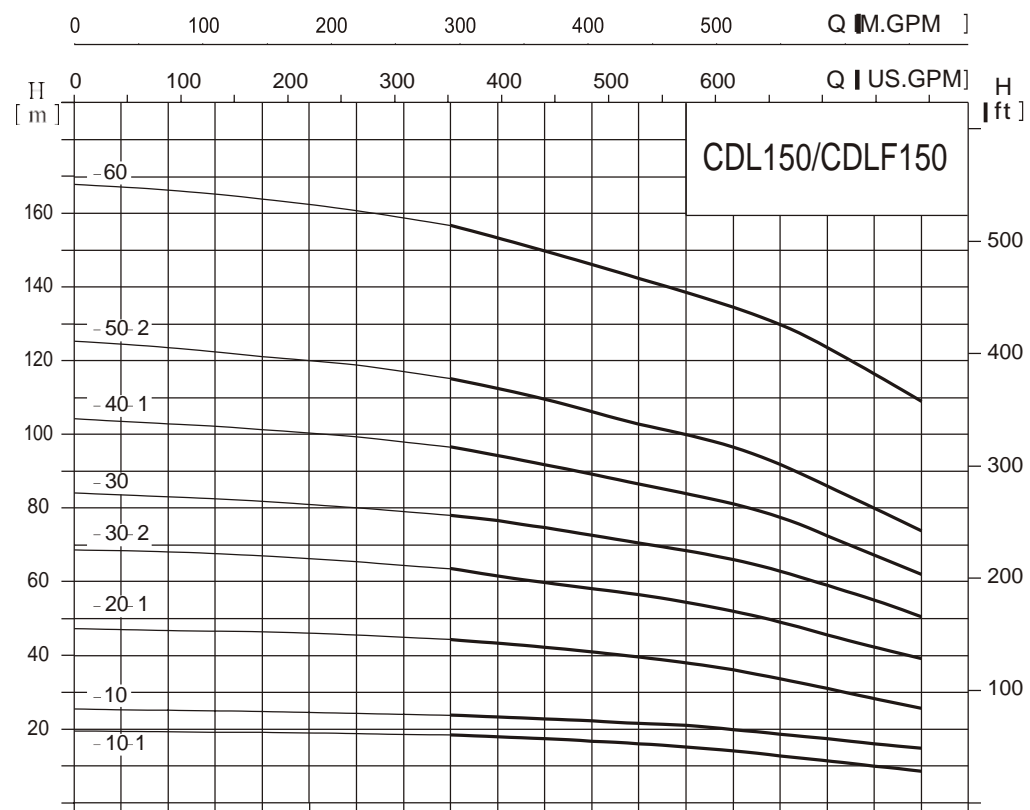
● Size and weight

|             |      |     |      |     |     |     |
|-------------|------|-----|------|-----|-----|-----|
| CDL120-10   | 840  | 490 | 1330 | 330 | 255 | 230 |
| CDL120-20-1 | 1000 | 550 | 1550 | 330 | 255 | 250 |
| CDL120-20   | 1000 | 590 | 1590 | 360 | 285 | 285 |
| CDL120-30   | 1160 | 660 | 1820 | 400 | 310 | 360 |
| CDL120-40-1 | 1320 | 660 | 1980 | 400 | 310 | 400 |
| CDL120-50-1 | 1480 | 700 | 2180 | 460 | 340 | 470 |
| CDL120-60-1 | 1670 | 770 | 2440 | 540 | 370 | 585 |
| CDL120-70   | 1830 | 845 | 2675 | 580 | 410 | 715 |

0 5 10 15 20 25 30 35 40 Q [l/s]

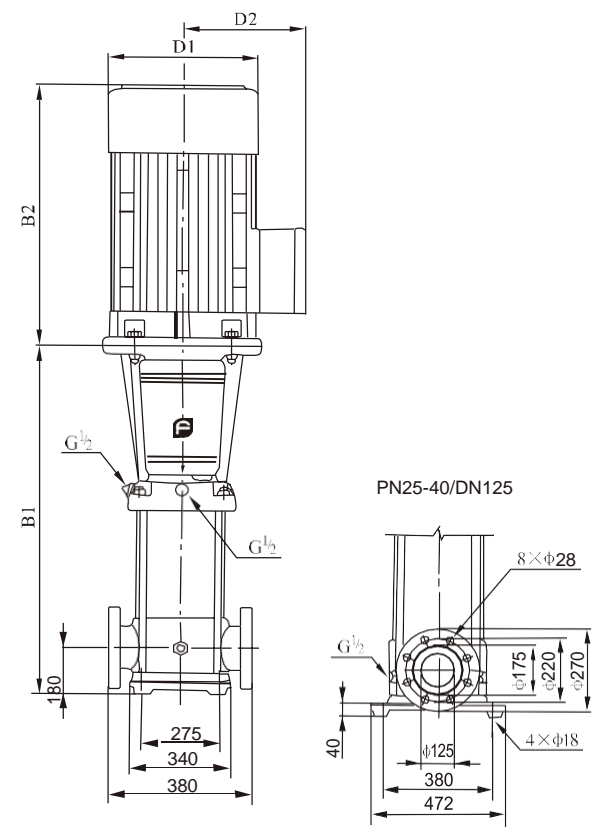
The overall dimensions of the single-phase motor and explosion-proof motor are a little different. Pls contact us for details.

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|             | Driving motor |      | 80    | 90   | 100  | 110  | 120   | 130   | 140  | 150  | 160   | 170 | 180  |
|-------------|---------------|------|-------|------|------|------|-------|-------|------|------|-------|-----|------|
|             | (kW)          | (hp) |       |      |      |      |       |       |      |      |       |     |      |
| CDL150-10-1 | 11            | 15   | 18.3  | 17.8 | 17.3 | 17   | 16    | 15    | 14   | 12.5 | 11    | 10  | 8.5  |
| CDL150-10   | 15            | 20   | 24    | 23   | 22.5 | 22   | 21.5  | 20.5  | 20   | 18.5 | 17    | 16  | 15   |
| CDL150-20-1 | 22            | 30   | 44.3  | 43   | 42   | 40   | 39    | 38.5  | 37.5 | 35   | 33    | 30  | 27   |
| CDL150-30-2 | 30            | 40   | 63.5  | 61   | 59   | 57.5 | 56    | 54.5  | 53   | 49   | 45.5  | 42  | 39   |
| CDL150-30   | 37            | 50   | 78    | 76.5 | 75   | 73   | 70.5  | 68    | 66   | 63   | 59    | 55  | 50.5 |
| CDL150-40-1 | 45            | 60   | 96.5  | 94   | 91.5 | 89   | 86.5  | 84    | 81.5 | 77   | 72.5  | 67  | 62   |
| CDL150-50-2 | 55            | 75   | 115.5 | 112  | 109  | 106  | 102.5 | 100   | 97   | 92   | 86    | 79  | 73.5 |
| CDL150-60   | 75            | 100  | 157   | 153  | 149  | 145  | 142   | 139.5 | 137  | 130  | 123.5 | 116 | 109  |

● Installation sketch



● Size and weight

|             |      |     |      |     |     |     |
|-------------|------|-----|------|-----|-----|-----|
| CDL150-10-1 | 840  | 490 | 1330 | 330 | 255 | 230 |
| CDL150-10   | 840  | 490 | 1330 | 330 | 255 | 235 |
| CDL150-20-1 | 1000 | 590 | 1590 | 360 | 285 | 295 |
| CDL150-30-2 | 1160 | 660 | 1820 | 400 | 310 | 360 |
| CDL150-30   | 1160 | 660 | 1820 | 400 | 310 | 385 |
| CDL150-40-1 | 1320 | 700 | 2020 | 460 | 340 | 460 |
| CDL150-50-2 | 1510 | 770 | 2280 | 540 | 370 | 570 |
| CDL150-60   | 1670 | 845 | 2515 | 580 | 410 | 700 |

0 5 10 15 20 25 30 35 40 45 Q [l/s]

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