

# Type GD管道式不锈钢离心泵

## 使用范围 Applications

管道式离心泵，由SUS304不锈钢制成，适用于冷冻水、空调系统和供暖系统的二次热水和普通工业低压运行。结构轻便，一个人就可以完成安装。

This inline centrifugal pumps are made of SUS304, which are suitable to transport chilled water, hot water from air conditioning system and heating system, also can be run under low pressure for common industry.

## 性能极限 Technical Data

最大吸入正压:4bar  
液体温度:-15℃~+80℃  
泵的使用参照性能表范围以防止电机过载，造成危险。  
Max.Suction pressure:4bar  
Liquid temperature: -15℃~80℃  
To avoid overload and danger the pump should be operated within the performance ranges.

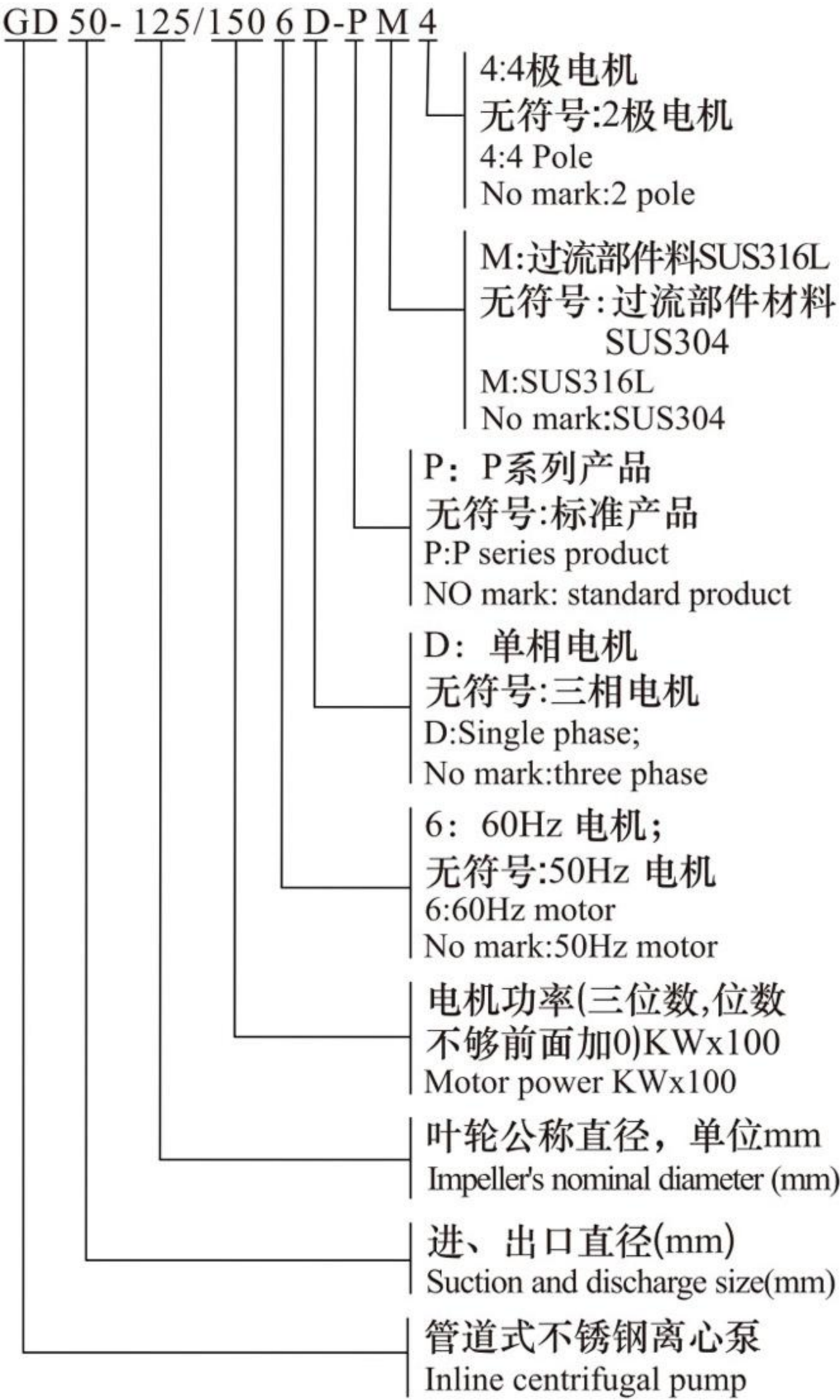
## 电机 Motor

全封闭式扇冷电机  
绝缘等级:F级  
防护等级:IP55  
单相:220V,50Hz,2900转/分  
单相电机加有热保护器  
三相380V,50Hz,2900转/分  
三相电机可按用户要求增加热保护器装置  
T.E.F.C.continuous duty  
Insulation class : F  
Protection class: IP55  
Single phase: 220V,50Hz, 2900rpm  
With overload protector in single phase motor  
Three phase: 380V,50Hz, 2900rpm  
Over load protector in three phase is available upon request.

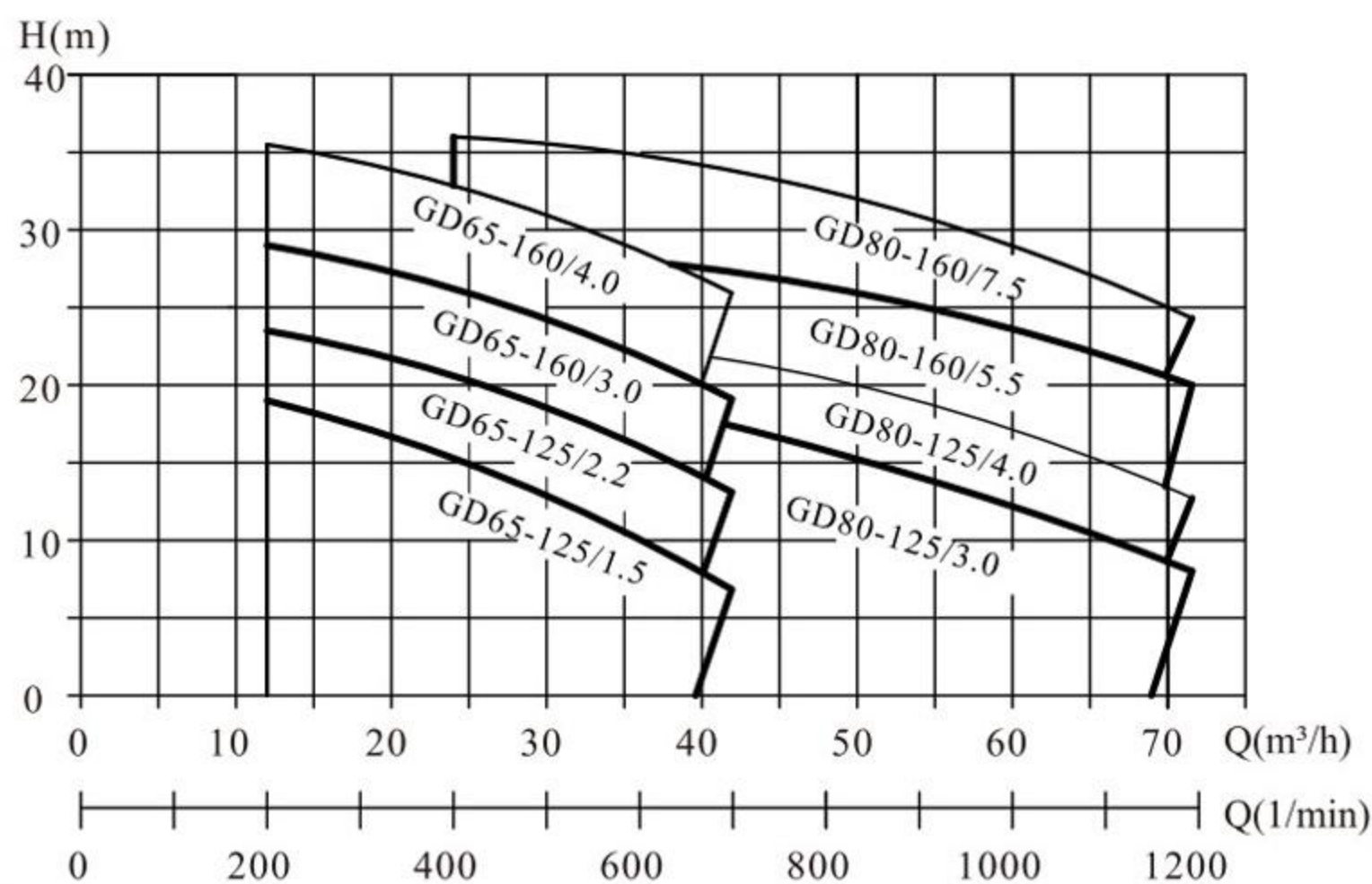
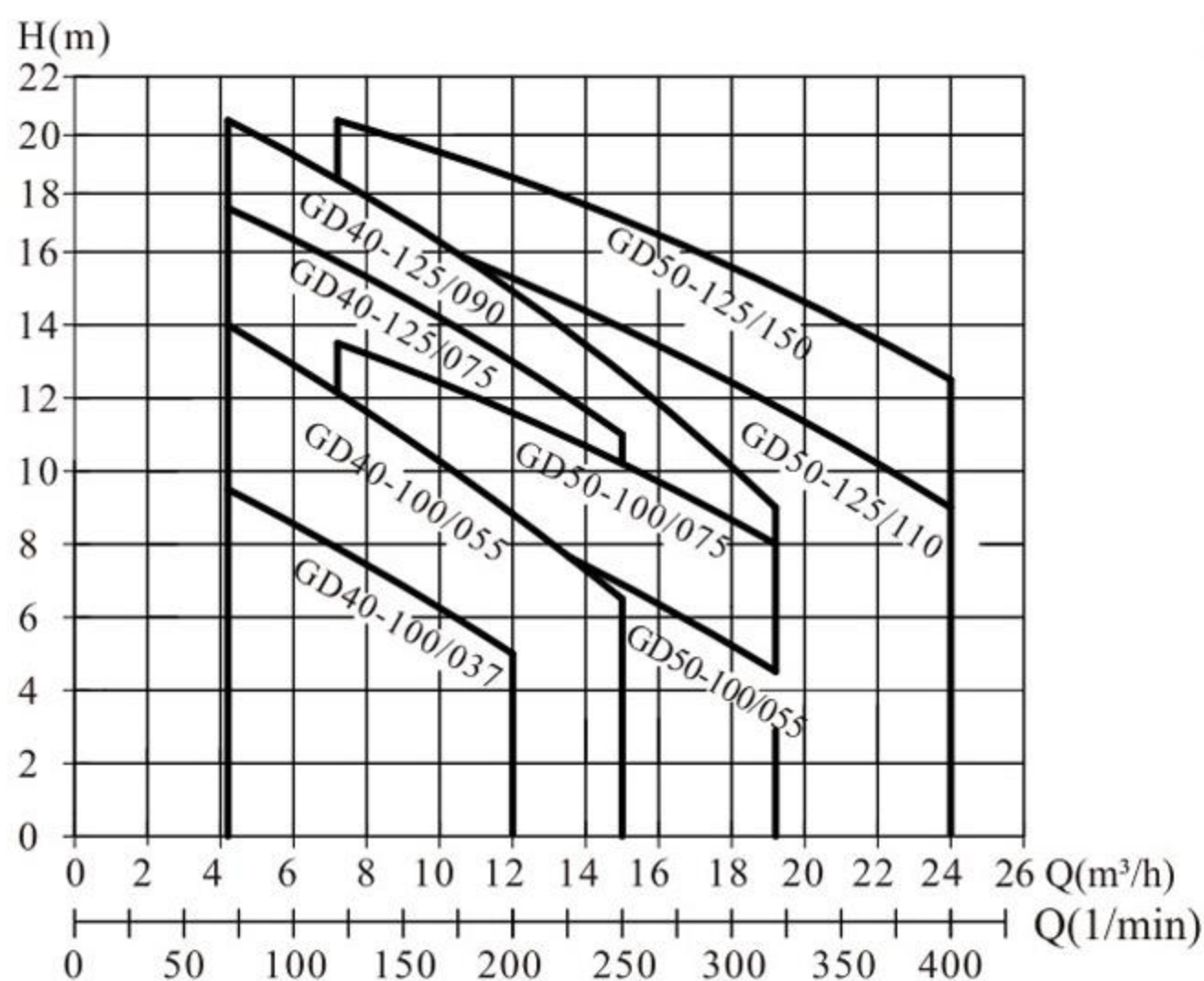
## 材质 Materials

泵体、叶轮与后盖:SUS304  
泵轴: SUS304  
支架: 铸铁HT200;  
电机外壳: 铝  
机械密封:石墨/碳化硅/丁腈橡胶  
Casing, impeller, back cover:SUS304  
Pump Shaft:SUS304  
Bracket :Cast iron HT200.  
Motor jacket:Aluminum  
Mechanical seal: Carbon/SiC/NBR

## 型号说明 Symbols



# GD 泵型谱图 GD Curve Chart



使用范围性能参数表 Operating Performance Data

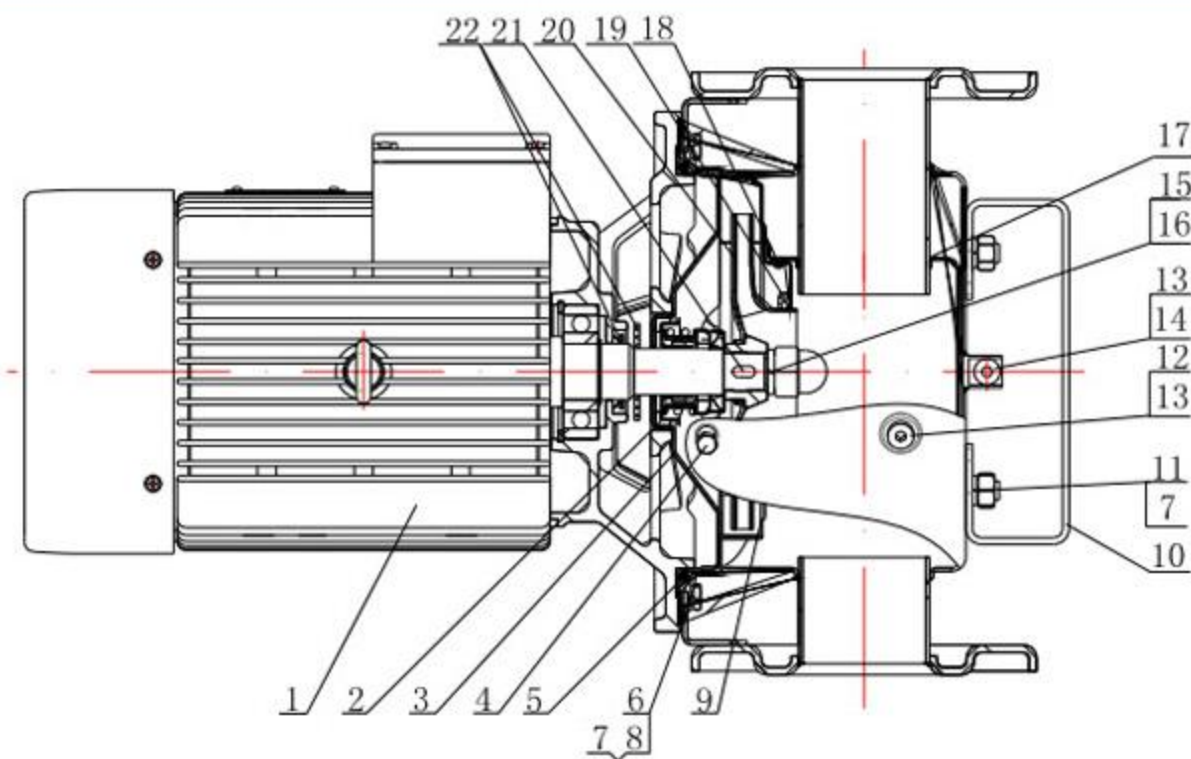
n=2900rpm

| 型号 Model                        |                                | 功率 Power |          | 流 量 Capacity  |      |      |      |      |      |      |      |      |
|---------------------------------|--------------------------------|----------|----------|---------------|------|------|------|------|------|------|------|------|
| 单相<br>Single phase<br>220V 50Hz | 三相<br>Three phase<br>380V 50Hz | 千瓦<br>KW | 马力<br>HP | m³/h          | 4.2  | 6    | 7.2  | 9    | 12   | 15   | 19.2 | 24   |
|                                 |                                |          |          | l/min         | 70   | 100  | 120  | 150  | 200  | 250  | 320  | 400  |
|                                 |                                |          |          | H=总扬程 Head(m) |      |      |      |      |      |      |      |      |
| GD40-100/037D                   | GD40-100/037                   | 0.37     | 0.5      |               | 9.5  | 9    | 8    | 7    | 5    |      |      |      |
| GD40-100/055D                   | GD40-100/055                   | 0.55     | 0.75     |               | 14   | 13   | 12.5 | 11.5 | 9    | 6.5  |      |      |
| GD40-125/075D                   | GD40-125/075                   | 0.75     | 1.0      |               | 17.5 | 16.5 | 16   | 15.5 | 13.5 | 11   |      |      |
| GD40-125/090D                   | GD40-125/090                   | 0.90     | 1.2      |               | 20.5 | 19.5 | 19   | 18.5 | 17   | 14   | 8    |      |
| GD50-100/055D                   | GD50-100/055                   | 0.55     | 0.75     |               |      |      | 10.5 | 10   | 9    | 7    | 4.5  |      |
| GD50-100/075D                   | GD50-100/075                   | 0.75     | 1.0      |               |      |      | 13.5 | 13   | 12   | 10.5 | 8    |      |
| GD50-125/110D                   | GD50-125/110                   | 1.1      | 1.5      |               |      |      | 17.5 | 17   | 16   | 14.5 | 12   | 9    |
| GD50-125/150D                   | GD50-125/150                   | 1.5      | 2.0      |               |      |      | 20.5 | 20   | 19   | 17.5 | 15.5 | 12.5 |

| 型号 Model                        |                                | 功率 Power |          | 流 量 Capacity  |    |      |      |     |      |      |      |      |      |     |
|---------------------------------|--------------------------------|----------|----------|---------------|----|------|------|-----|------|------|------|------|------|-----|
| 单相<br>Single phase<br>220V 50Hz | 三相<br>Three phase<br>380V 50Hz | 千瓦<br>KW | 马力<br>HP | m³/h          | 0  | 12   | 18   | 20  | 22   | 24   | 27   | 30   | 36   | 42  |
|                                 |                                |          |          | l/min         | 0  | 200  | 300  | 333 | 360  | 400  | 450  | 500  | 600  | 700 |
|                                 |                                |          |          | H=总扬程 Head(m) |    |      |      |     |      |      |      |      |      |     |
| GD65-125/150D                   | GD65-125/150                   | 1.5      | 2.0      |               | 20 | 19   | 18   | 17  | 16.5 | 15   | 14   | 12.5 | 10   | 7   |
| GD65-125/220D                   | GD65-125/220                   | 2.2      | 3.0      |               | 26 | 23.5 | 22.5 | 22  | 21.5 | 21   | 20.5 | 19.5 | 16.5 | 13  |
| GD65-160/300D                   | GD65-160/300                   | 3.0      | 4.0      |               | 31 | 29   | 27.5 | 27  | 26.5 | 25.5 | 25   | 24   | 22   | 19  |
| GD65-160/400D                   | GD65-160/400                   | 4.0      | 5.5      |               | 39 | 35.5 | 34.5 | 34  | 33.5 | 32.5 | 32   | 31   | 29   | 26  |

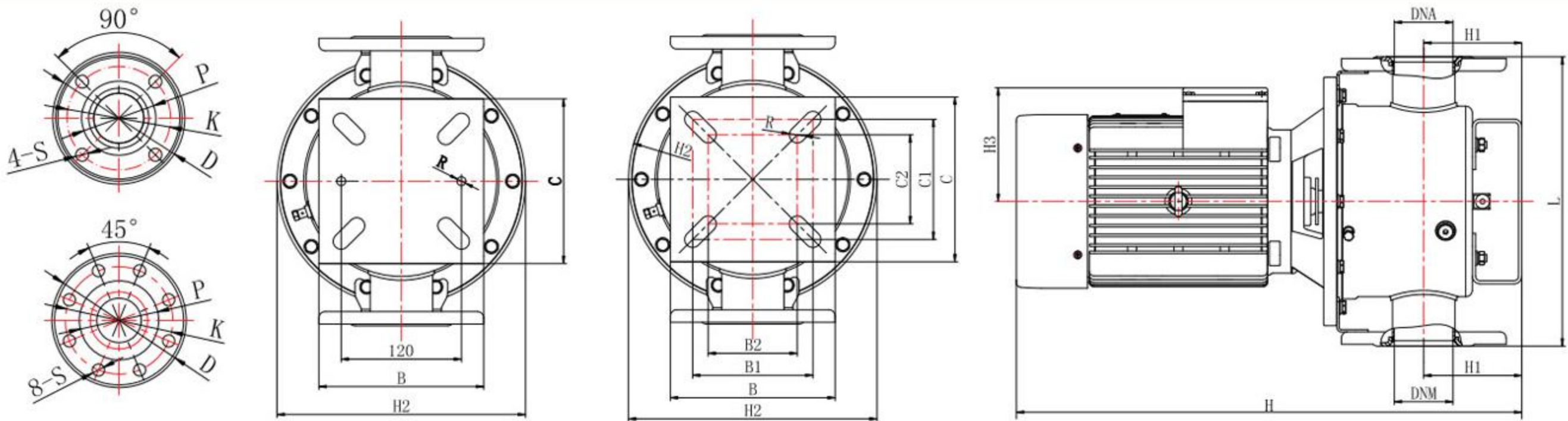
| 型号 Model                        |                                | 功率 Power |          | 流 量 Capacity  |      |      |      |      |      |      |      |      |      |  |
|---------------------------------|--------------------------------|----------|----------|---------------|------|------|------|------|------|------|------|------|------|--|
| 单相<br>Single phase<br>220V 50Hz | 三相<br>Three phase<br>380V 50Hz | 千瓦<br>KW | 马力<br>HP | m³/h          | 0    | 24   | 27   | 30   | 36   | 42   | 48   | 60   | 72   |  |
|                                 |                                |          |          | l/min         | 0    | 400  | 450  | 500  | 600  | 700  | 800  | 1000 | 1200 |  |
|                                 |                                |          |          | H=总扬程 Head(m) |      |      |      |      |      |      |      |      |      |  |
| GD80-125/300D                   | GD80-125/300                   | 3.0      | 4.0      |               | 22.5 | 20   | 19.5 | 19   | 18.5 | 17.5 | 16   | 13   | 9    |  |
| GD80-125/400D                   | GD80-125/400                   | 4.0      | 5.5      |               | 25.5 | 23   | 22.5 | 22   | 21.5 | 20.5 | 20   | 17   | 13.5 |  |
| GD80-160/550D                   | GD80-160/550                   | 5.5      | 7.5      |               | 33   | 29.5 | 29   | 28.5 | 28   | 27   | 26   | 24   | 20   |  |
| GD80-160/750D                   | GD80-160/750                   | 7.5      | 10.0     |               | 39   | 36   | 35   | 34.5 | 34   | 33.5 | 32.5 | 29   | 24   |  |

泵体部件表 Parts list:



| 序号<br>No | 部件名称<br>Description     | 序号<br>No | 部件名称<br>Description      | 序号<br>No | 部件名称<br>Description   | 序号<br>No | 部件名称<br>Description | 序号<br>No | 部件名称<br>Description      |
|----------|-------------------------|----------|--------------------------|----------|-----------------------|----------|---------------------|----------|--------------------------|
| 1        | 电机<br>Motor             | 6        | 平面垫圈<br>Plain Washer     | 11       | 外六角螺母<br>Nut          | 16       | 六角盖型螺母<br>Nut       | 21       | 平键<br>Key                |
| 2        | 机械密封<br>Mechanical Seal | 7        | 弹簧垫圈<br>Spring Washer    | 12       | O形圈<br>O Ring         | 17       | 泵体<br>Casing        | 22       | 挡水组件<br>Slinger assembly |
| 3        | 后盖体<br>Back cover       | 8        | 外六角螺母<br>Nut             | 13       | 内六角堵头丝<br>Screw       | 18       | O形圈<br>O Ring       |          |                          |
| 4        | 排气孔螺栓<br>Air vent bolt  | 9        | 导叶盘<br>Diffuser assembly | 14       | O形圈<br>O Ring         | 19       | 浮动密封环<br>Neek ring  |          |                          |
| 5        | O形圈<br>O Ring           | 10       | 支脚<br>Base               | 15       | 弹簧垫圈<br>Spring Washer | 20       | 叶轮<br>Impeller      |          |                          |

安装尺寸表 Dimension



| 型号 Model     | H   | H1  | H2  | H3  | L   | B   | B1  | B2  | C   | C1  | C2  | R  | P   | K   | D   | S    | DNA | DNM |
|--------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|------|-----|-----|
| GD40-100/037 | 415 | 88  | 210 | 102 | 305 | 140 | —   | —   | 156 | —   | —   | 10 | 71  | 110 | 150 | 4-18 | 40  | 40  |
| GD40-100/055 | 415 | 88  | 210 | 102 | 305 | 140 | —   | —   | 156 | —   | —   | 10 | 71  | 110 | 150 | 4-18 | 40  | 40  |
| GD40-125/075 | 415 | 88  | 210 | 102 | 305 | 140 | —   | —   | 156 | —   | —   | 10 | 71  | 110 | 150 | 4-18 | 40  | 40  |
| GD40-125/090 | 415 | 88  | 210 | 102 | 305 | 140 | —   | —   | 156 | —   | —   | 10 | 71  | 110 | 150 | 4-18 | 40  | 40  |
| GD50-100/055 | 415 | 88  | 210 | 102 | 310 | 140 | —   | —   | 156 | —   | —   | 10 | 87  | 125 | 165 | 4-18 | 50  | 50  |
| GD50-100/075 | 415 | 88  | 210 | 102 | 310 | 140 | —   | —   | 156 | —   | —   | 10 | 87  | 125 | 165 | 4-18 | 50  | 50  |
| GD50-125/110 | 453 | 88  | 210 | 109 | 310 | 140 | —   | —   | 156 | —   | —   | 10 | 87  | 125 | 165 | 4-18 | 50  | 50  |
| GD50-125/150 | 453 | 88  | 210 | 109 | 310 | 140 | —   | —   | 156 | —   | —   | 10 | 87  | 125 | 165 | 4-18 | 50  | 50  |
| GD65-125/150 | 492 | 110 | 243 | 120 | 290 | 140 | —   | —   | 156 | —   | —   | 10 | 104 | 150 | 185 | 4-18 | 65  | 65  |
| GD65-125/220 | 492 | 110 | 243 | 120 | 290 | 140 | —   | —   | 156 | —   | —   | 10 | 104 | 150 | 185 | 4-18 | 65  | 65  |
| GD65-160/300 | 570 | 110 | 280 | 128 | 325 | 185 | 135 | 100 | 185 | 135 | 100 | 18 | 104 | 150 | 185 | 4-18 | 65  | 65  |
| GD65-160/400 | 570 | 110 | 280 | 128 | 325 | 185 | 135 | 100 | 185 | 135 | 100 | 18 | 104 | 150 | 185 | 4-18 | 65  | 65  |
| GD80-125/300 | 560 | 110 | 243 | 128 | 290 | 140 | —   | —   | 156 | —   | —   | 10 | 118 | 160 | 200 | 8-18 | 80  | 80  |
| GD80-125/400 | 560 | 110 | 243 | 128 | 290 | 140 | —   | —   | 156 | —   | —   | 10 | 118 | 160 | 200 | 8-18 | 80  | 80  |
| GD80-160/550 | 620 | 110 | 280 | 170 | 329 | 185 | 135 | 100 | 185 | 135 | 100 | 18 | 118 | 160 | 200 | 8-18 | 80  | 80  |
| GD80-160/750 | 620 | 110 | 280 | 170 | 329 | 185 | 135 | 100 | 185 | 135 | 100 | 18 | 118 | 160 | 200 | 8-18 | 80  | 80  |