



精工液压  
四十年品质



# 轴向柱塞泵

Variable Displacement Pump

启东高压油泵有限公司  
QIDONG HIGH PRESSURE OIL PUMP CO.,LTD.

精工液压 四十年品质



专业品质 值得信赖

江苏省高新技术企业

江苏省知名品牌

江苏省著名商标

全国科学大会奖

机械工业部特别推荐产品



# 企业简介

## Company Introduction

追求卓越 精益求精

启东高压油泵有限公司创立于1976年,是一家专业从事柱塞泵(马达)研发、生产和销售为一体的江苏省高新技术企业,江苏省创新型优秀企业。公司为中国液压气动密封件工业协会会员单位。公司“江苏省高压油泵工程技术研究中心”研制的主要产品有CY14-1B系列、JG系列、QG系列、A2F系列、A4V、A7V、A10V系列等轴向柱塞泵(马达),其中CY14-1B系列、JG系列产品获得中国船级社(CCS)型式认可。公司研究中心研制的柱塞泵十多项荣获国家专利。

公司产品适用于锻压机床、工程机械、船舶、油田、冶金、水利、矿山、塑料机械等领域的液压传动,重点为主机配套服务。公司占地面积50000m<sup>2</sup>,建筑面积30000m<sup>2</sup>,拥有美国进口、台湾和国内生产的加工中心、CNC等精良数控设备,拥有三坐标测量仪等精密测试仪器,同时拥有一支长期从事柱塞泵(马达)研发、生产和会管理的专业团队。

公司是首批获得各种规格全国工业生产许可证的企业,“精工牌”商标被评为江苏省著名商标。本公司取得中国船级社船检型式认可,柱塞泵曾被选用于向太平洋发射运载火箭舰艇和测量船上,受到中共中央、国务院、中央军委贺电嘉奖,曾被用在赴南极“向阳红”号考察船上,获得全国科学大会奖。

公司在2000年就已通过ISO9001国际质量管理体系认证。公司继续以诚信为管理理念,以质量第一和真诚服务为生存目标,以创新为发展思路,引进新技术,研发新产品,采用新工艺,探索开发新市场,为中国的液压事业做出贡献。竭诚欢迎国内外新老朋友光临惠顾。

### 企业文化

- 企业精神: 追求卓越 精益求精
- 企业追求: 高科技, 高质量, 高品质
- 价值观念: 客户利益永远是我们思考问题的出发点
- 经营方针: 真诚为本, 创新经营, 开拓市场
- 经营哲学: 客户满意是我们存在的目的, 客户认同是对我们最好的回报
- 服务理念: 全心全意投入, 尽善尽美服务
- 经营理念: 创新、优质、诚信
- 质量方针: 靠科技兴企 树精工品牌  
赢顾客满意 争行业第一
- 对经销商的承诺: 共赢发展, 共创辉煌
- 对社会的承诺: 商道载信, 诚信载利

Qidong high pressure oil pump co.,LTD, founded in 1976, is a high-tech and innovative enterprise in Jiangsu province, which is specialized engaged in piston pump (motor, research, production and sale).It is the member of China hydraulic pneumatic seal industry association. “The high pressure oil pump in Jiangsu province engineering technology research centre” of the company mainly produces axial piston pumps (motors) including CY14-B series, QG series, A2F series, A4V, A7V, A10V series and so on.The products of CY14-1B series and JG series have been approved by China Classification Society (CCS).The plunger pump researched by the company research center has been honored to get more than ten national patents.

The products of the company are suitable for the field of the hydraulic transmission, such as forging machine and so on , engineering machinery, shipping, oil fields, metallurgy, water conservancy,mining and plastic machinery. Besides,we attach importance on providing supporting services for the host machines.The company covers an area of 5000 square meters,with construction area of 3000 square meters.It not only owns the machinery center imported from America,Taiwan and mainland,but also owns CNC numerical control equipment and three coordinates and so on. Meanwhile it has a professional team engaged in the research and development of piston pump.

The company is one of the first group to get all kinds of national production permit. ” PRECISION BRAND” trademark was rated as a famous trademark in Jiangsu province. The company has gained type approval from China Classification Society. The plunger pump has been selected for firing rocket ships to the Pacific Ocean and on the vessel. Thus, it was awarded by the Central Committee of the Communist Party of the China, the State Council and the Central Military Committee through telegram. The plunger pump also won the National Scientific Grand Awards for it has been used on the Antarctic expedition ship “Xiang Yang Red” .

The company passed ISO 9001 International Management System Certification in 2002.It goes on to take integrity as company’ s management relief, put ensuring high quality in the first place, and aim to provide sincere service for customers. Besides, we will develop the company in a more innovative way. We are going to adopt new technology to explore new market, and contribute to the benefits of hydraulic in China.We sincerely welcome new and old customers at home and abroad.



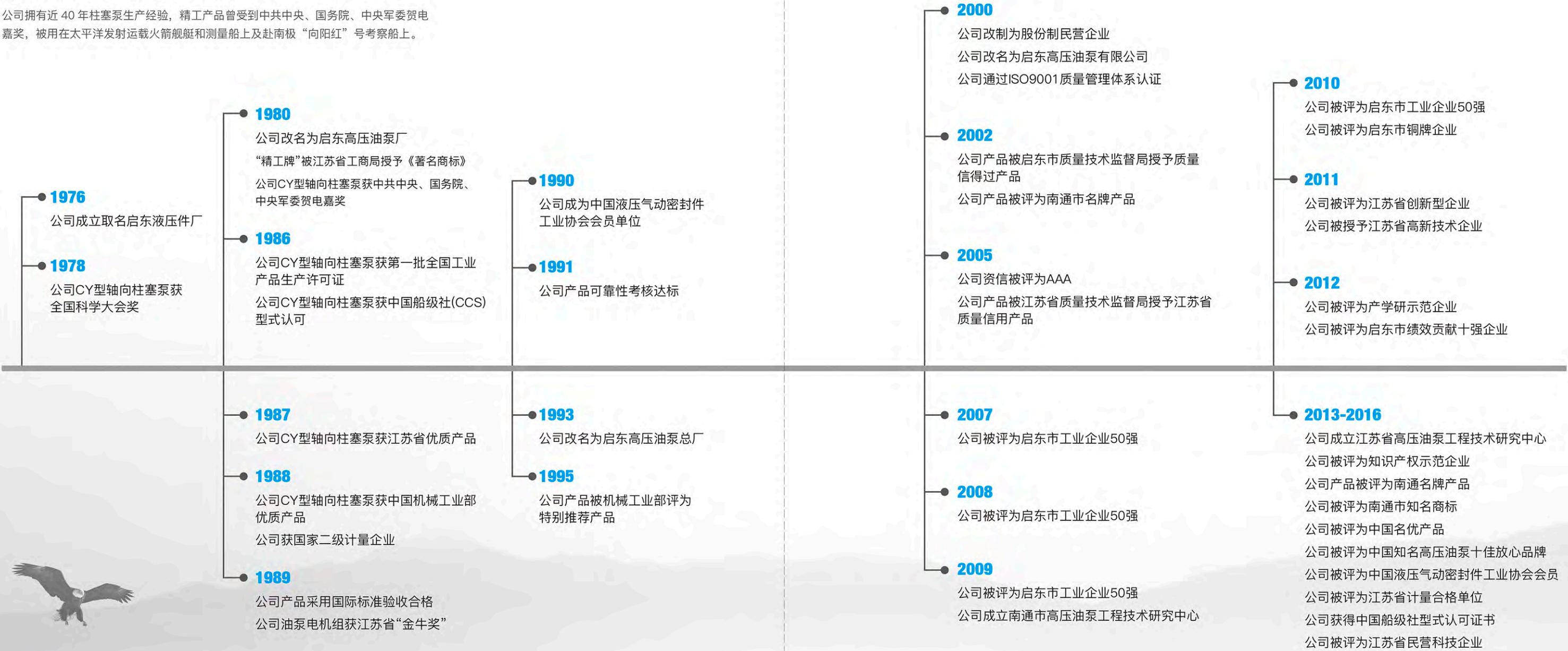


# 企业里程碑

## Corporate Milestones

### 辉煌历程 继往开来

公司拥有近 40 年柱塞泵生产经验，精工产品曾受到中共中央、国务院、中央军委贺电嘉奖，被用在太平洋发射运载火箭舰艇和测量船上及赴南极“向阳红”号考察船上。





# 资质及奖项

## Achievements & Certificates

质量第一 服务至上

我们拥有国际先进的加工中心，产品通过 ISO9001 质量体系认证、船级社认证，成立了江苏省高压油泵工程技术研究中心。





# 先进设备

## Advanced Equipment

### 精工创造 行业典范

公司产品适用于锻压机床、工程机械、船舶、油田、冶金、水利、矿山、塑料机械等领域的液压传动，重点为主机配套服务。  
公司拥有美国进口、台湾和国内生产的加工中心、CNC 等精良数控设备，拥有三座标测量仪等精密测试仪器，同时拥有一支长期从事柱塞泵（马达）研发、生产和会管理的专业团队。



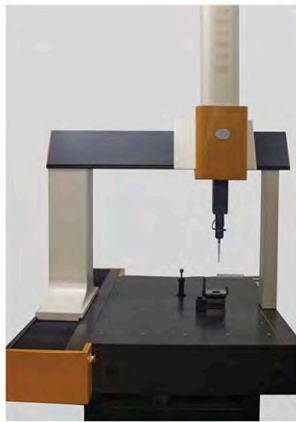
■ 加工中心



■ 车间一角



■ 测试设备



■ 现代检测设备





## QG系列变量轴向柱塞泵 Variable displacement pump QG

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| IV、推荐管道或管接头通径尺寸 Suggested dimensions of the pipe and pipe joint ..... | 03      |
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## JG系列变量轴向柱塞泵 Variable displacement pump JG

|                                                                      |         |
|----------------------------------------------------------------------|---------|
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## CY14-1B系列变量轴向柱塞泵 Variable displacement pump CY14-1B

|                                                                      |         |
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## 油泵电机组合 The oil pump motor combination

|                                                          |         |
|----------------------------------------------------------|---------|
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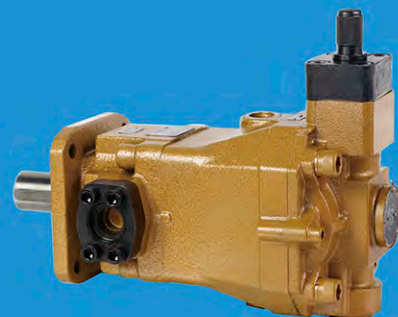
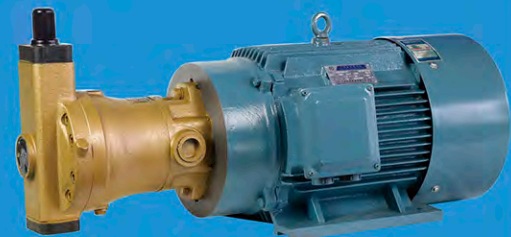
## 使用须知 Utilization Notice

|                                 |         |
|---------------------------------|---------|
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|---------------------------------|---------|



精工牌

精工液压  
四十年品质





QG系列变量轴向柱塞泵
Variable displacement pump QG

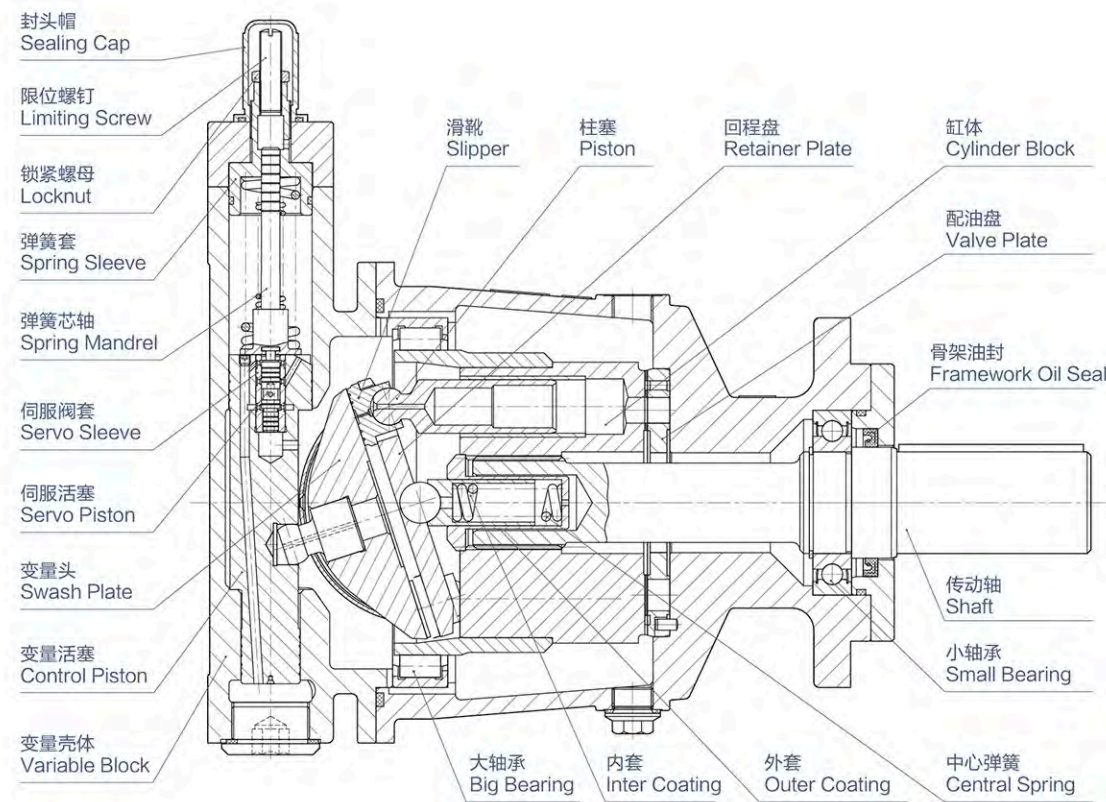


>> 专利产品 <<

专利号: ZL 2014 2 0840442.2
ZL 2015 3 0002399.2

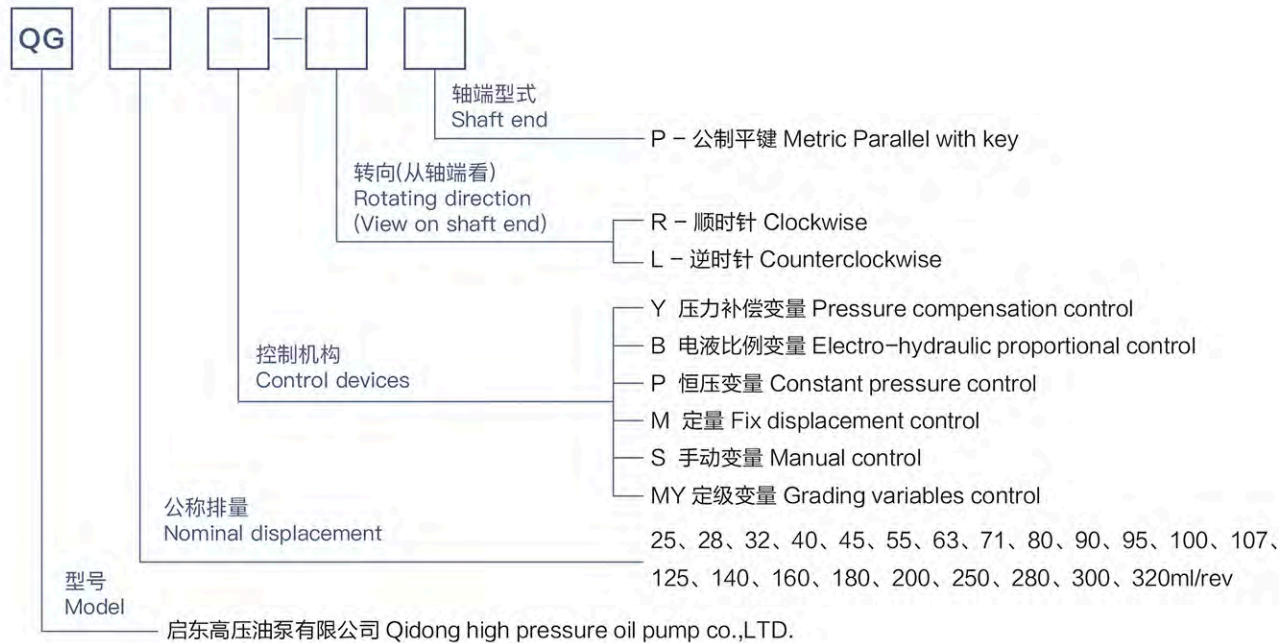
I 特点 Feature

- 1、本产品是一种斜盘式轴向柱塞变量泵，专为开式回路液压驱动设计的；
  - 2、额定工作压力可达31.5MPa，瞬时最高压力可达40MPa；
  - 3、排量规格多，功率密度高；
  - 4、优良的吸入性能；
  - 5、外观新颖、优良的功率/重量比；
  - 6、噪声低、寿命长；
  - 7、与CY泵一致的安装连接尺寸，与SAE通用的油口法兰设计。
- 1、 This product is an axial piston pump in swash plate design for hydrostatic drives in open circuit operation;
- 2、 Its rated operating pressure is up to 31.5MPa, and the instantaneous high pressure can reach 40MPa;
- 3、 Various displacements .high power density;
- 4、 Excellent suction performance;
- 5、 New appearance ,Excellent power/Weight ratio;
- 6、 Low noise, Long lifespan;
- 7、 The same mounting flange with CY pump and design for SAE oil flange。



示例：压力补偿变量轴向柱塞泵（Y）结构示意图
Example: pressure compensation control (Y) Pump construction

II 型号说明 Ordering code





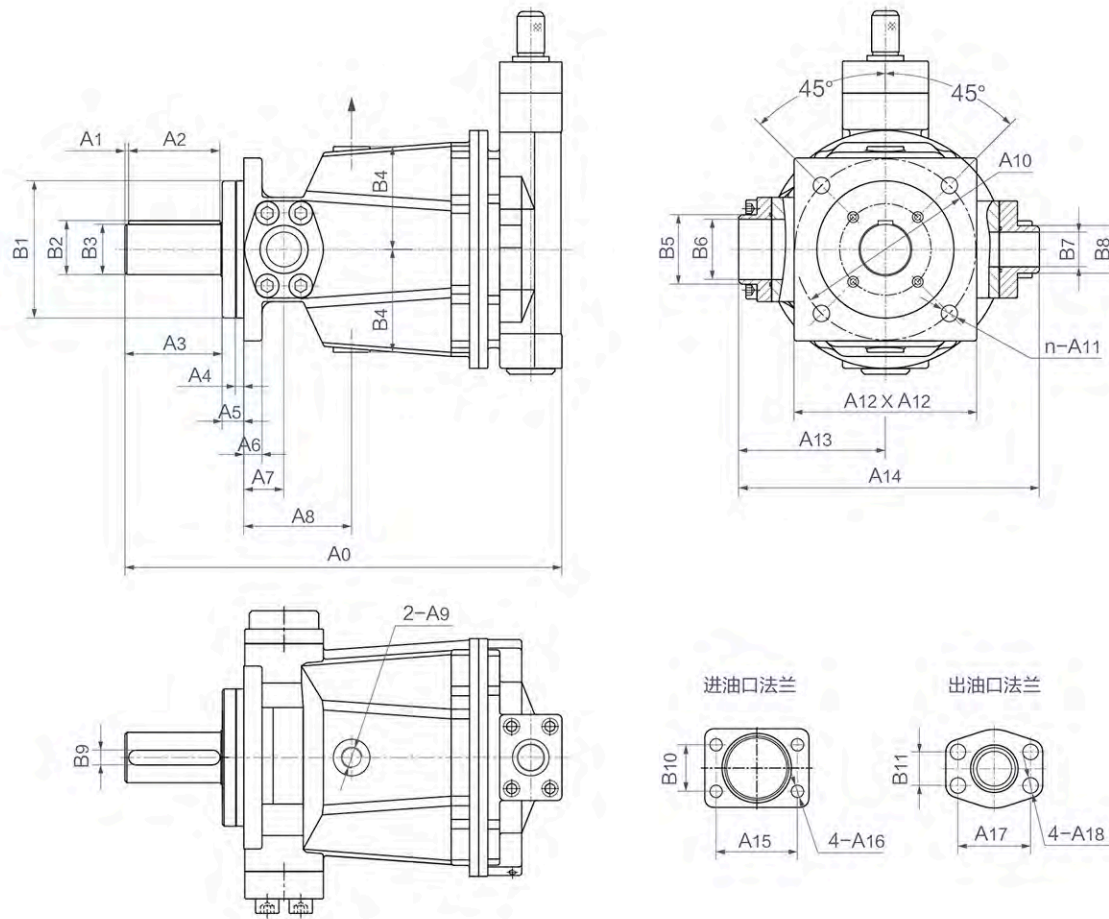
III 参数表 (理论值) The Parameter List (theoretical values)

| 型号<br>Model | 排量(ml/rev)<br>displacement | 额定压力(MPa)<br>Rated power | 额定转速(r/min)<br>Rated power | 1500rpm最大功率(KW)<br>Max.power |
|-------------|----------------------------|--------------------------|----------------------------|------------------------------|
| QG25        | 25                         | 31.5                     | 1500                       | 20                           |
| QG28        | 28                         | 31.5                     | 1500                       | 22                           |
| QG32        | 32                         | 31.5                     | 1500                       | 25                           |
| QG40        | 40                         | 31.5                     | 1500                       | 31                           |
| QG45        | 45                         | 31.5                     | 1500                       | 35                           |
| QG55        | 55                         | 31.5                     | 1500                       | 43                           |
| QG63        | 63                         | 31.5                     | 1500                       | 50                           |
| QG71        | 71                         | 31.5                     | 1500                       | 56                           |
| QG80        | 80                         | 31.5                     | 1500                       | 63                           |
| QG90        | 90                         | 31.5                     | 1500                       | 71                           |
| QG95        | 95                         | 31.5                     | 1500                       | 75                           |
| QG100       | 100                        | 31.5                     | 1500                       | 79                           |
| QG107       | 107                        | 31.5                     | 1500                       | 84                           |
| QG125       | 125                        | 31.5                     | 1500                       | 98                           |
| QG140       | 140                        | 31.5                     | 1500                       | 110                          |
| QG160       | 160                        | 31.5                     | 1500                       | 126                          |
| QG180       | 180                        | 31.5                     | 1500                       | 142                          |
| QG200       | 200                        | 31.5                     | 1500                       | 157                          |
| QG250       | 250                        | 31.5                     | 1500                       | 197                          |
| QG280       | 280                        | 31.5                     | 1500                       | 220                          |
| QG300       | 300                        | 31.5                     | 1500                       | 236                          |
| QG320       | 320                        | 31.5                     | 1500                       | 252                          |

IV 推荐管道或管接头通径尺寸 Suggested dimensions of the pipe and pipe joint

| 型号<br>Model       | 进油口(mm)<br>Inlet | 出油口(mm)<br>Service Line | 泄油口(mm)<br>Drain port |
|-------------------|------------------|-------------------------|-----------------------|
| QG25/28/32/40/45  | ≥Φ 35            | ≥Φ 20                   | ≥Φ 10                 |
| QG55/63/71/80/90  | ≥Φ 40            | ≥Φ 25                   | ≥Φ 14                 |
| QG95/100/107/125  | ≥Φ 50            | ≥Φ 32                   | ≥Φ 16                 |
| QG140/160/180/200 | ≥Φ 66            | ≥Φ 38                   | ≥Φ 18                 |
| QG250/280/300/320 | ≥Φ 90            | ≥Φ 50                   | ≥Φ 28                 |

V 外形尺寸 Overall dimension



| 型号 Model           | A0  | A1 | A2  | A3  | A4 | A5 | A6 | A7 | A8  | A9        | A10   | A11  | A12 | A13   | A14 |
|--------------------|-----|----|-----|-----|----|----|----|----|-----|-----------|-------|------|-----|-------|-----|
| QG25/28/32/40/45Y  | 300 | 4  | 45  | 54  | 9  | 19 | 15 | 30 | 78  | M14 × 1.5 | Φ 125 | Φ 12 | 125 | 118   | 236 |
| QG55/63/71/80/90Y  | 355 | 4  | 50  | 62  |    | 19 | 16 | 35 | 92  | M18 × 1.5 | Φ 155 | Φ 14 | 155 | 135   | 271 |
| QG95/100/107/125Y  | 385 | 4  | 60  | 70  |    | 21 | 16 | 35 | 97  | M22 × 1.5 | Φ 155 | Φ 14 | 155 | 144   | 294 |
| QG140/160/180/200Y | 478 | 4  | 100 | 109 |    | 21 | 20 | 44 | 118 | M22 × 1.5 | Φ 198 | Φ 18 | 200 | 160.5 | 329 |
| QG250/280/300/320Y | 567 | 5  | 100 | 113 |    | 21 | 25 | 75 | 170 | M33 × 2   | Φ 230 | Φ 24 | 230 | 192.5 | 392 |

| 型号 Model           | A15   | A16  | A17  | A18 | B1(f9) | B2   | B3(h6) | B4    | B5    | B6   | B7   | B8   | B9(h9) | B10  | B11  |
|--------------------|-------|------|------|-----|--------|------|--------|-------|-------|------|------|------|--------|------|------|
| QG25/28/32/40/45Y  | 58.7  | 11   | 50.8 | 11  | Φ 100  | 33   | Φ 30   | 71    | Φ 42  | Φ 34 | Φ 20 | Φ 28 | 8      | 30.2 | 23.8 |
| QG55/63/71/80/90Y  | 70    | 13   | 57.1 | 13  | Φ 120  | 42.8 | Φ 40   | 88    | Φ 50  | Φ 40 | Φ 25 | Φ 35 | 12     | 35.7 | 27.8 |
| QG95/100/107/125Y  | 77.8  | 13   | 66.7 | 15  | Φ 120  | 42.8 | Φ 40   | 96    | Φ 60  | Φ 50 | Φ 32 | Φ 43 | 12     | 42.9 | 31.6 |
| QG140/160/180/200Y | 89    | 13.5 | 79.4 | 17  | Φ 150  | 59   | Φ 55   | 112.5 | Φ 76  | Φ 66 | Φ 38 | Φ 52 | 16     | 50.8 | 36.7 |
| QG250/280/300/320Y | 120.7 | 17   | 96.8 | 21  | Φ 180  | 63.9 | Φ 60   | 135   | Φ 100 | Φ 90 | Φ 50 | Φ 65 | 18     | 69.9 | 44.5 |

QG\*B 的进油口方向, 与其它变量形式泵的进油口方向正好相反, 即从轴端看, 顺时针旋转 (正转泵) 时进油口在右侧, 出油口在左侧。  
QG\*B oil pump in and out, and its form variables mouth direction of pass in and out of the oil pump mouth is exactly the opposite, that is, from the shaft watch, clockwise (are turning pump) inlet on the right, the outlet on the left.

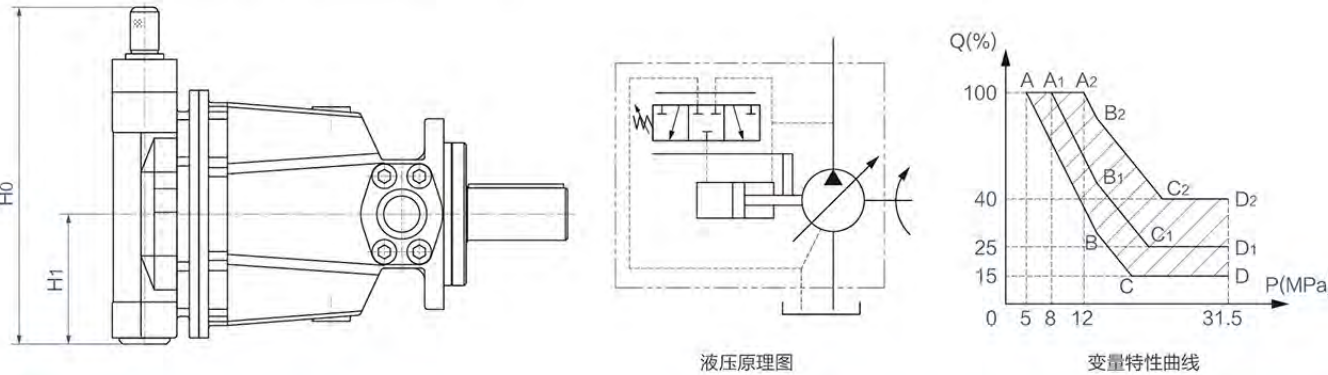


VI 控制装置 Control devices

(1)、Y- 压力补偿变量 Pressure compensation control

压力补偿变量泵的出口流量随出口压力的大小近似地在一定范围内按恒功率曲线变化。调节流量特性时，可先将限位螺钉拧至上端，根据所需的流量和压力变化范围，调节弹簧套，使其流量开始发生变化时的初始压力符合要求，然后将限位螺钉拧至最高压力时的流量不再发生变化，其中间的流量与压力变化关系由泵的本身设计所决定。

The outlet flow of Pressure compensation variable pump change with the size of the outlet pressure approximately in a certain range according to the constant power curve changes. Adjust flow characteristics, can put the limit screws to the top first and according to need pressure range, adjusting spring set, make its initial pressure meet the requirements when the flow changed and then limit screws to the highest pressure of the flow of change, of which no longer flow and pressure changes between the relationship of the pump design decision by itself.

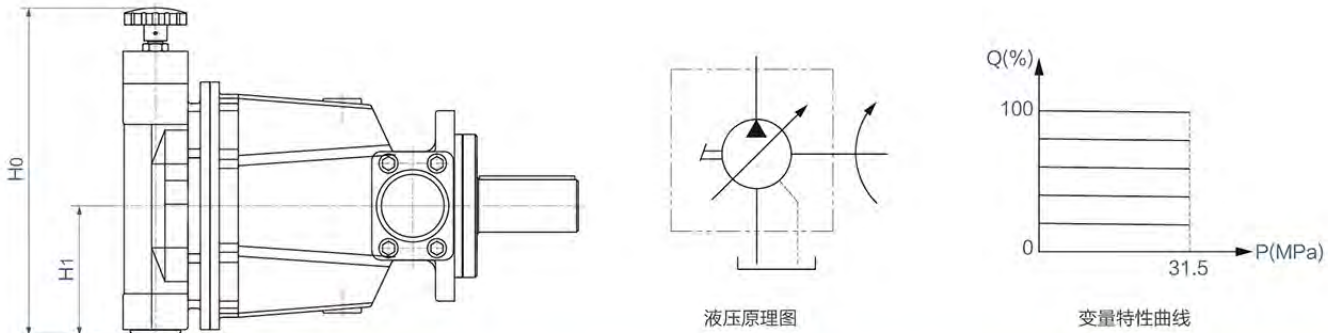


| 特性尺寸 | QG25/28/32/40/45Y | QG55/63/71/80/90Y | QG95/100/107/125Y | QG140/160/180/200Y | QG250/280/300/320Y |
|------|-------------------|-------------------|-------------------|--------------------|--------------------|
| H0   | 312               | 343               | 345.5             | 397.5              | 440.5              |
| H1   | 103.5             | 117.5             | 120               | 136.5              | 161.5              |

(2)、S- 手动变量 Manual control

旋转手轮进行排量的无级调节，适用于不频繁变量，且不需要远距离操纵的情况下。

Stepless adjustment of displacement by turning the handwheel, apply to the infrequent variables and don't need a remote condition.

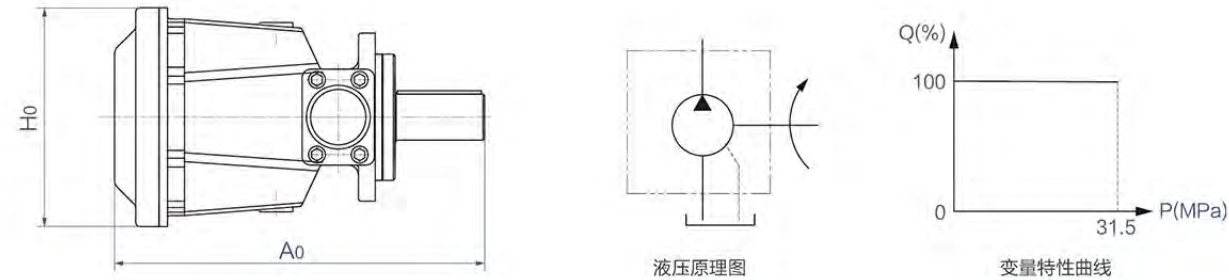


| 特性尺寸 | QG25/28/32/40/45S | QG55/63/71/80/90S | QG95/100/107/125S | QG140/160/180/200S | QG250/280/300/320S |
|------|-------------------|-------------------|-------------------|--------------------|--------------------|
| H0   | 259.5             | 292               | 304               | 340                | 390                |
| H1   | 103.5             | 117.5             | 120               | 136.5              | 161.5              |

(3)、M- 定量 Fix displacement control

流量不可变化的泵。

The pump flow is can't be changed.

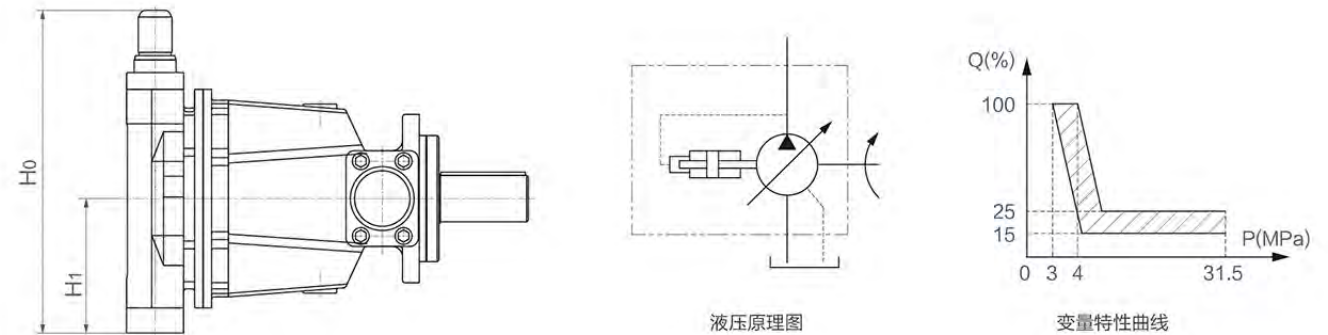


| 特性尺寸 | QG25/28/32/40/45M | QG55/63/71/80/90M | QG95/100/107/125M | QG140/160/180/200M | QG250/280/300/320M |
|------|-------------------|-------------------|-------------------|--------------------|--------------------|
| H0   | Φ 176             | Φ 208             | Φ 228             | Φ 260              | Φ 310              |
| A0   | 272               | 321               | 350.5             | 440                | 525                |

(4)、MY- 定级变量 Grading variables control

这种泵是依靠内控油压操纵变量机构。泵的压力调节范围比较小，油泵在 3 ~ 4MPa 时产生变量后，流量迅速减小至所要求的高压流量值。这种泵实际上相当于高低压组合泵，泵的驱动功率可参照压力补偿变量泵的功率选择方法进行计算。

This pump is rely on internal control hydraulic control variable institutions.The pump pressure adjustment range are small, hydraulic in 3 ~ 4MPa generated when the variables, flow diminishes quickly to the requirements of high pressure flow value. This pump is equivalent to the combination of high and low voltage actually pump, pump drive power choose reference may be made to the pressure compensation variable pump power selection method to calculate.



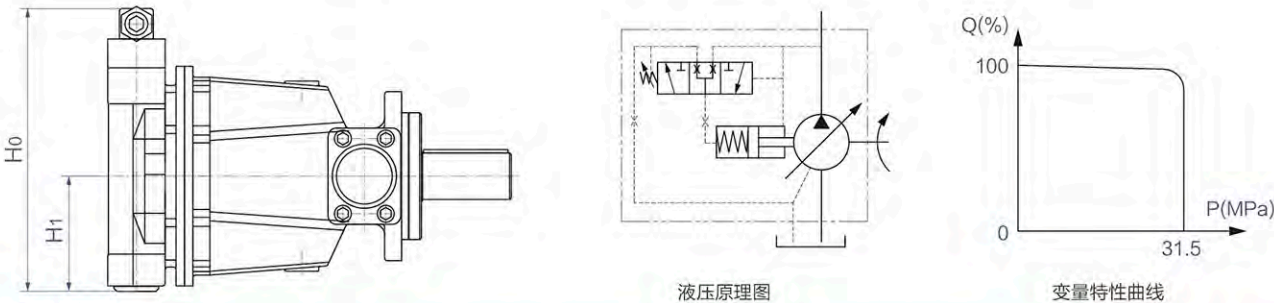
| 特性尺寸 | QG25/28/32/40/45MY | QG55/63/71/80/90MY | QG95/100/107/125MY | QG140/160/180/200MY | QG250/280/300/320MY |
|------|--------------------|--------------------|--------------------|---------------------|---------------------|
| H0   | 285.5              | 321.5              | 334                | 384                 | 434                 |
| H1   | 117.5              | 133.5              | 136                | 160                 | 185                 |



(5)、P- 恒压变量 Constant pressure control

在泵的调节范围内，能使系统保持恒定的工作压力。当泵的控制压力通过泵上的恒压阀设定后，在系统达到设定的压力时，泵的排量迅速自动下调为仅是维持该恒定的系统压力所需的排量。系统的压力可通过恒压阀进行无级调节，且系统溢流阀仅作安全阀使用，其调定的压力应大于恒压阀设定压力的 15 ~ 20%。

In the adjustment of the pump range, can make the system maintains a constant pressure of work. When the pump pressure under control though the constant pressure pump valve settings, in the system to achieve the set pressure, pump emissions displacement rapidly to only be able to maintain automatic cut the constant pressure of the system for emissions. The system pressure can through the constant pressure valve stepless adjustment, and the system relief valves are for the relief valve function, its adjustment of pressure should be greater than constant pressure valve set up the pressure of 15 ~ 20% .

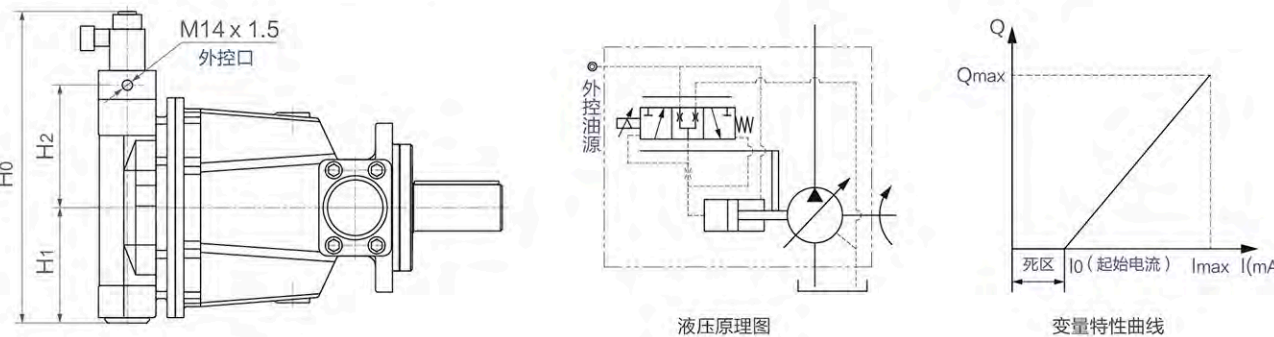


| 特性尺寸 | QG25/28/32/40/45P | QG55/63/71/80/90P | QG95/100/107/125P | QG140/160/180/200P | QG250/280/300/320P |
|------|-------------------|-------------------|-------------------|--------------------|--------------------|
| H0   | 245               | 277               | 289.5             | 325                | 378.5              |
| H1   | 103.5             | 117.5             | 120               | 136.5              | 161.5              |

(6)、B- 电液比例变量 Electro-hydraulic proportional control

这种泵采用外控油压来控制变量机构，利用改变输入比例电磁铁的电流大小来改变泵的流量，输入电流与泵的流量成正比例的关系。起始电流一般为 100 ~ 150mA，最大控制电流一般为 650 ~ 800mA。

This pump is rely on external control hydraulic control variable instiutions, input proportional electromagnet by changing the size of the current to change the pump flow, input current is proportional relationship to the pump flow. The starting current general is 100 ~ 150 mA, the biggest control current general is 650 ~ 800 mA .



| 特性尺寸 | QG25/28/32/40/45B | QG55/63/71/80/90B | QG95/100/107/125B | QG140/160/180/200B | QG250/280/300/320B |
|------|-------------------|-------------------|-------------------|--------------------|--------------------|
| H0   | 297.5             | 324.5             | 337               | 369.5              | 419.5              |
| H1   | 103.5             | 117.5             | 120               | 136.5              | 161.5              |
| H2   | 106               | 120               | 130               | 143.5              | 168.5              |

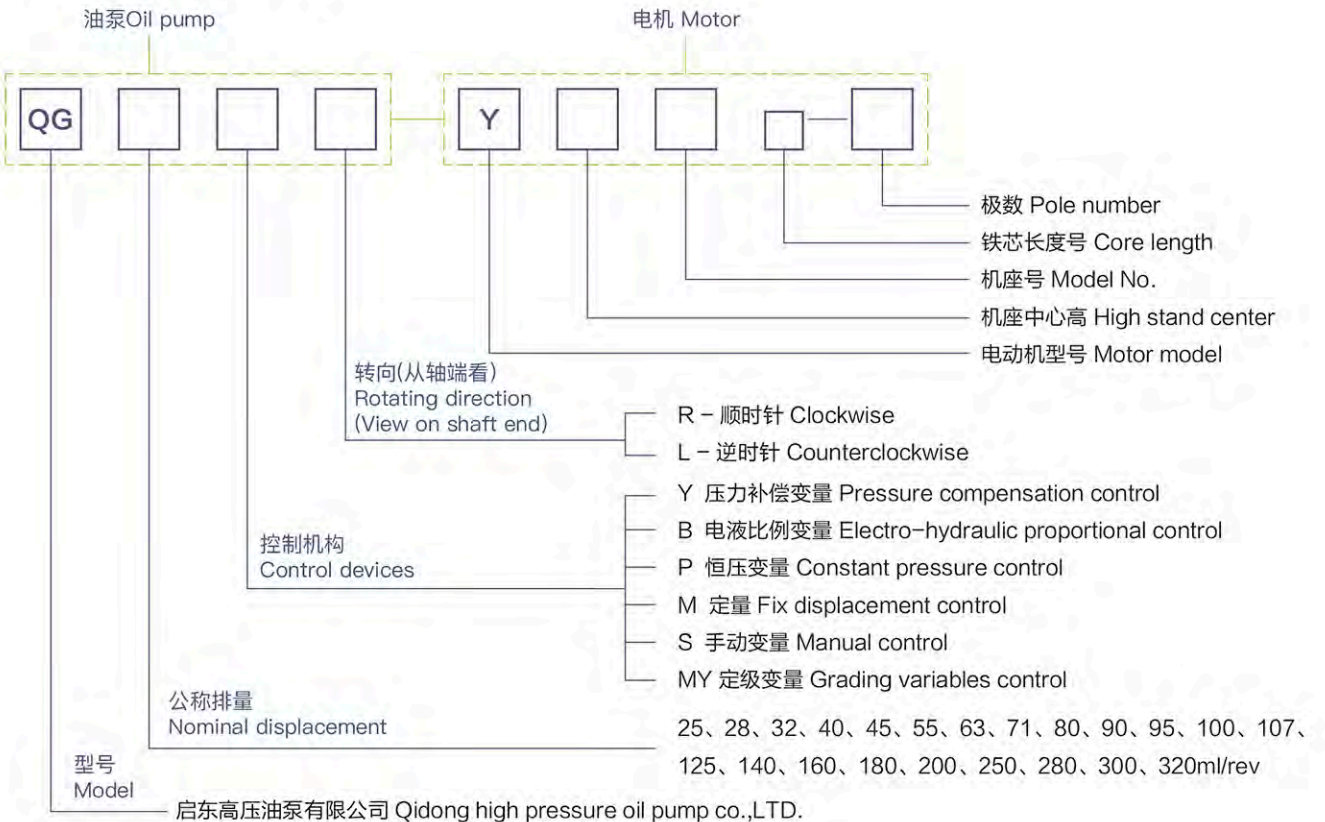
外控油压力，排量 125ml/r 以上的泵为 10 ~ 15MPa，排量 100ml/r 以下的的泵为 6 ~ 10MPa。使用的工作压力低，外控油压力也可相应降低。推荐外控泵的流量为 Q 控 ≥ q/t(l/min)，q 见下表。

For the oil pressure, the pump displacement more than 125ml/r is 10 ~ 15MPa, the pump displacement blew than 100ml/r is 6 ~ 10MPa. Using low working pressure, the oil pressure can be reduced. The control pump flow is recommended for Q 控 ≥ q/t(l/min) , q see the table below.

| 型号/规格       | QG25/28/32/40/45 | QG55/63/71/80/90 | QG95/100/107/125 | QG140/160/180/200 | QG250/280/300/320 |
|-------------|------------------|------------------|------------------|-------------------|-------------------|
| q ( L/min ) | 10.8             | 24.6             | 24.6             | 36                | 41                |

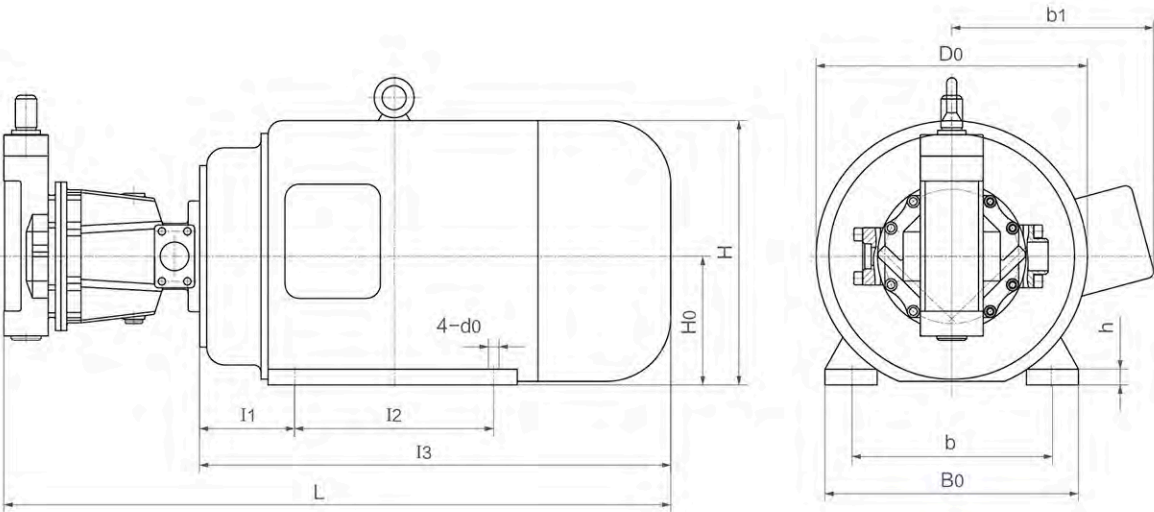
VII 油泵电机组 The oil pump motor combination

1、型号说明 Ordering code





2、外形尺寸 Overall dimension



油泵相关尺寸请参考 QG 外形尺寸  
Oil pump please refer to the relevant size QG overall dimensions

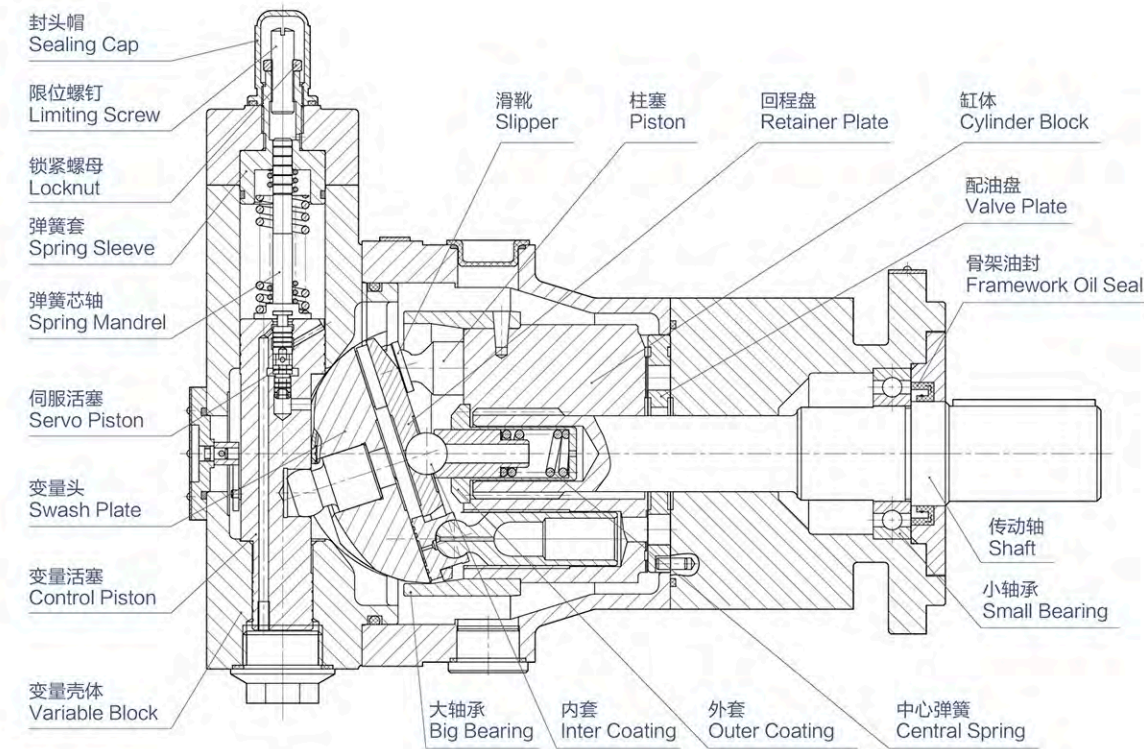
| 油泵规格             | 油泵电机组<br>型号 | 安装尺寸(mm) |     |     |      |     |     |    |     |     |     |     |    |
|------------------|-------------|----------|-----|-----|------|-----|-----|----|-----|-----|-----|-----|----|
|                  |             | I1       | I2  | I3  | L    | H0  | H   | h  | D0  | B0  | b   | b1  | d0 |
| QG25/28/32/40/45 | QG*-Y112M   | 92       | 140 | 380 | 607  | 112 | 265 | 15 | 240 | 245 | 190 | 190 | 12 |
|                  | QG*-Y132S   | 107      | 140 | 410 | 637  | 132 | 315 | 18 | 275 | 280 | 216 | 210 | 12 |
|                  | QG*-Y132M   | 107      | 178 | 445 | 672  | 132 | 315 | 18 | 275 | 280 | 216 | 210 | 12 |
|                  | QG*-Y160M   | 119      | 210 | 545 | 772  | 160 | 385 | 20 | 335 | 330 | 254 | 265 | 15 |
|                  | QG*-Y160L   | 119      | 254 | 590 | 817  | 160 | 385 | 20 | 335 | 330 | 254 | 265 | 15 |
|                  | QG*-Y180M   | 133      | 241 | 622 | 849  | 180 | 430 | 22 | 380 | 355 | 279 | 285 | 15 |
|                  | QG*-Y180L   | 133      | 279 | 660 | 887  | 180 | 430 | 22 | 380 | 355 | 279 | 285 | 15 |
| QG55/63/71/80/90 | QG*-Y132M   | 107      | 178 | 445 | 685  | 132 | 315 | 18 | 275 | 280 | 216 | 210 | 12 |
|                  | QG*-Y160M   | 119      | 210 | 545 | 785  | 160 | 385 | 20 | 335 | 330 | 254 | 265 | 15 |
|                  | QG*-Y160L   | 119      | 254 | 590 | 830  | 160 | 385 | 20 | 335 | 330 | 254 | 265 | 15 |
|                  | QG*-Y180M   | 133      | 241 | 622 | 862  | 180 | 430 | 22 | 380 | 355 | 279 | 285 | 15 |
|                  | QG*-Y180L   | 133      | 279 | 660 | 900  | 180 | 430 | 22 | 380 | 355 | 279 | 285 | 15 |
|                  | QG*-Y200L   | 150      | 305 | 675 | 915  | 200 | 475 | 25 | 420 | 395 | 318 | 315 | 19 |
|                  | QG*-Y225S   | 143      | 286 | 705 | 945  | 225 | 530 | 28 | 475 | 435 | 356 | 345 | 19 |
|                  | QG*-Y225M   | 143      | 311 | 680 | 920  | 225 | 530 | 28 | 475 | 435 | 356 | 345 | 19 |
|                  | QG*-Y250M   | 161      | 349 | 784 | 1024 | 250 | 575 | 30 | 515 | 490 | 406 | 385 | 24 |

| 油泵规格              | 油泵电机组<br>型号 | 安装尺寸(mm) |     |      |      |     |     |    |     |     |     |     |    |
|-------------------|-------------|----------|-----|------|------|-----|-----|----|-----|-----|-----|-----|----|
|                   |             | I1       | I2  | I3   | L    | H0  | H   | h  | D0  | B0  | b   | b1  | d0 |
| QG95/100/107/125  | QG*-Y160M   | 119      | 210 | 545  | 839  | 160 | 385 | 20 | 335 | 330 | 254 | 265 | 15 |
|                   | QG*-Y160L   | 119      | 254 | 590  | 884  | 160 | 385 | 20 | 335 | 330 | 254 | 265 | 15 |
|                   | QG*-Y180M   | 133      | 241 | 622  | 916  | 180 | 430 | 22 | 380 | 355 | 279 | 285 | 15 |
|                   | QG*-Y180L   | 133      | 279 | 660  | 954  | 180 | 430 | 22 | 380 | 355 | 279 | 285 | 15 |
|                   | QG*-Y200L   | 150      | 305 | 675  | 969  | 200 | 475 | 25 | 420 | 395 | 318 | 315 | 19 |
|                   | QG*-Y225S   | 143      | 286 | 705  | 999  | 225 | 530 | 28 | 475 | 435 | 356 | 345 | 19 |
|                   | QG*-Y225M   | 143      | 311 | 680  | 974  | 225 | 530 | 28 | 475 | 435 | 356 | 345 | 19 |
|                   | QG*-Y250M   | 161      | 349 | 784  | 1078 | 250 | 575 | 30 | 515 | 490 | 406 | 385 | 24 |
| QG140/160/180/200 | QG*-Y180M   | 133      | 241 | 622  | 970  | 180 | 430 | 22 | 380 | 355 | 279 | 285 | 15 |
|                   | QG*-Y180L   | 133      | 279 | 660  | 1008 | 180 | 430 | 22 | 380 | 355 | 279 | 285 | 15 |
|                   | QG*-Y200L   | 150      | 305 | 675  | 1023 | 200 | 475 | 25 | 420 | 395 | 318 | 315 | 19 |
|                   | QG*-Y225S   | 143      | 286 | 705  | 1053 | 225 | 530 | 28 | 475 | 435 | 356 | 345 | 19 |
|                   | QG*-Y225M   | 143      | 311 | 680  | 1028 | 225 | 530 | 28 | 475 | 435 | 356 | 345 | 19 |
|                   | QG*-Y250M   | 161      | 349 | 784  | 1132 | 250 | 575 | 30 | 515 | 490 | 406 | 385 | 24 |
|                   | QG*-Y280S   | 200      | 368 | 786  | 1134 | 280 | 640 | 35 | 580 | 550 | 457 | 410 | 24 |
|                   | QG*-Y280M   | 200      | 419 | 927  | 1275 | 280 | 640 | 35 | 580 | 550 | 457 | 410 | 24 |
|                   | QG*-Y315S   | 222      | 406 | 1120 | 1468 | 315 | 865 | 45 | 645 | 640 | 508 | 576 | 28 |
|                   | QG*-Y315M   | 222      | 457 | 1170 | 1518 | 315 | 865 | 45 | 645 | 640 | 508 | 576 | 28 |
|                   | QG*-Y315L   | 222      | 508 | 1170 | 1518 | 315 | 865 | 45 | 645 | 640 | 508 | 576 | 28 |
| QG250/280/300/320 | QG*-Y225S   | 143      | 286 | 705  | 1139 | 225 | 530 | 28 | 475 | 435 | 356 | 345 | 19 |
|                   | QG*-Y225M   | 143      | 311 | 680  | 1114 | 225 | 530 | 28 | 475 | 435 | 356 | 345 | 19 |
|                   | QG*-Y250M   | 161      | 349 | 784  | 1218 | 250 | 575 | 30 | 515 | 490 | 406 | 385 | 24 |
|                   | QG*-Y280S   | 200      | 368 | 786  | 1220 | 280 | 640 | 35 | 580 | 550 | 457 | 410 | 24 |
|                   | QG*-Y280M   | 200      | 419 | 927  | 1361 | 280 | 640 | 35 | 580 | 550 | 457 | 410 | 24 |
|                   | QG*-Y315S   | 222      | 406 | 1120 | 1554 | 315 | 865 | 45 | 645 | 640 | 508 | 576 | 28 |
|                   | QG*-Y315M   | 222      | 457 | 1170 | 1604 | 315 | 865 | 45 | 645 | 640 | 508 | 576 | 28 |
|                   | QG*-Y315L   | 222      | 508 | 1170 | 1604 | 315 | 865 | 45 | 645 | 640 | 508 | 576 | 28 |
|                   | QG*-Y315L   | 222      | 508 | 1170 | 1604 | 315 | 865 | 45 | 645 | 640 | 508 | 576 | 28 |



# JG系列变量轴向柱塞泵

Variable displacement pump JG



示例：压力补偿变量轴向柱塞泵（Y）结构示意图  
Example: pressure compensation control (Y) Pump construction

## I 特点 Feature

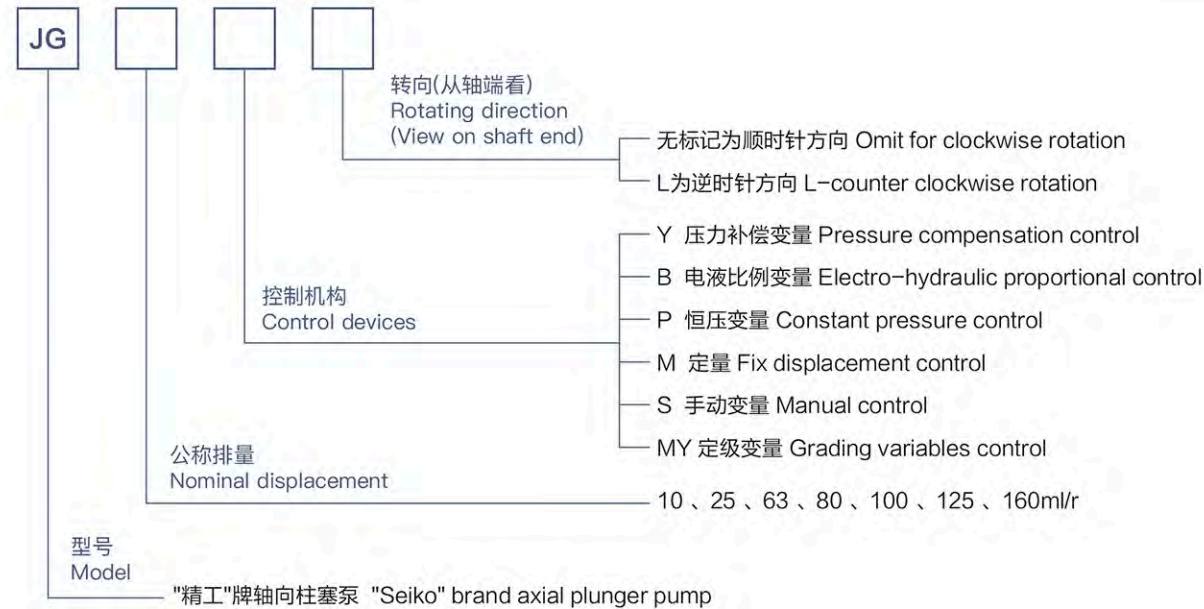
JG系列轴向柱塞泵(老式变量型)是我厂最新开发的CY型轴向泵更新换代产品，它包含原CY泵已有的变量型式，故称为老式变量型，除了具有原CY型轴向柱塞泵的优点外，还具有如下优点：

- 1、本产品是一种斜盘式轴向柱塞变量泵，专为开式回路液压驱动设计的；
- 2、额定工作压力可达31.5MPa，瞬时最高压力可达40MPa；
- 3、优良的吸入性能；
- 4、外观新颖、优良的功率/重量比；
- 5、噪声低、寿命长；
- 6、与SAE通用的油口法兰设计。

JG series axial piston pump (old type variable) was developed by our factory latest updated products CY type axial pump, it contains the original CY pump has some variable type, is called the old type variables, besides having the advantages of the original CY type axial plunger pump, also has the following advantages:

- 1、This product is an axial piston pump in swash plate design for hydrostatic drives in open circuit operation;
- 2、Its rated operating pressure is up to 31.5MPa, and the instantaneous high pressure can reach 40MPa;
- 3、Excellent suction performance;
- 4、New appearance ,Excellent power/Weight ratio;
- 5、Low noise, Long lifespan;
- 6、With the SAE general oil flange design

## II 型号说明 Ordering code

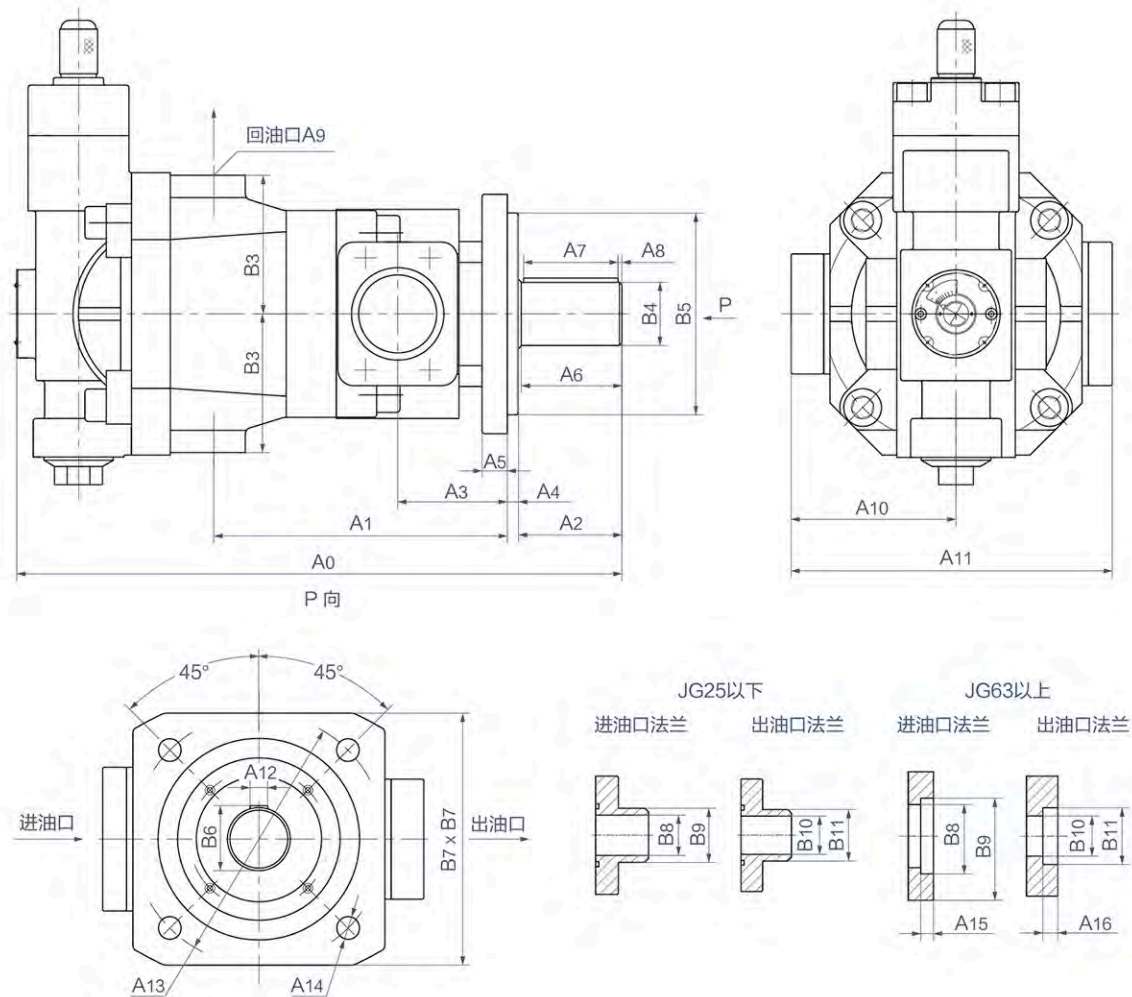




III 参数表 (理论值) The Parameter List (theoretical values)

| 型号<br>Model | 排量(ml/rev)<br>displacement | 额定压力(MPa)<br>Rated power | 自吸最高转速(r/min)<br>Since the highest speed | 1000rpm最大功率(KW)<br>Max.power |
|-------------|----------------------------|--------------------------|------------------------------------------|------------------------------|
| JG10        | 12.6                       | 31.5                     | 1500                                     | 6.5                          |
| JG25        | 23.9                       | 31.5                     | 1500                                     | 13.0                         |
| JG63        | 66.7                       | 31.5                     | 1500                                     | 34.3                         |
| JG80        | 85.18                      | 31.5                     | 1500                                     | 50.6                         |
| JG100       | 100                        | 31.5                     | 1500                                     | 59.4                         |
| JG125       | 126                        | 31.5                     | 1500                                     | 74.9                         |
| JG160       | 164.5                      | 31.5                     | 1500                                     | 97.7                         |

IV 外形尺寸 Overall dimension



| 型号 Model    | A0    | A1  | A2   | A3 | A4 | A5 | A6 | A7 | A8 | A9        | A10 | A11 | A12 |
|-------------|-------|-----|------|----|----|----|----|----|----|-----------|-----|-----|-----|
| JG10        | 255.5 | 60  | 38.5 | 25 | 15 | 10 | 37 | 30 | 4  | M14 × 1.5 | 105 | 210 | 8   |
| JG25        | 280   | 78  | 61   | 30 | 12 |    | 55 | 45 |    |           | 118 | 236 |     |
| JG63/80/100 | 427   | 201 | 72   | 81 | 9  | 20 | 70 | 65 | 3  | M27 × 2   | 106 | 206 | 12  |
| JG125/160   | 480.5 | 233 | 82   | 87 |    |    | 80 | 75 |    | M33 × 2   | 126 | 246 | 14  |

| 型号 Model    | A13   | A14  | A15 | A16 | B3  | B4h6 | B5f9  | B6   | B7  | B8   | B9   | B10  | B11  |
|-------------|-------|------|-----|-----|-----|------|-------|------|-----|------|------|------|------|
| JG10        | Φ 100 | Φ 11 |     |     | 60  | Φ 25 | Φ 75  | 28   | 100 | Φ 25 | Φ 35 | Φ 15 | Φ 25 |
| JG25        | Φ 125 |      |     |     | 71  | Φ 30 | Φ 100 | 33   | 125 | Φ 34 | Φ 42 | Φ 20 | Φ 28 |
| JG63/80/100 | Φ 160 | Φ 14 | 10  | 12  | 95  | Φ 40 | Φ 125 | 43   | 160 | Φ 50 | Φ 60 | Φ 32 | Φ 45 |
| JG125/160   | Φ 200 | Φ 18 |     |     | 110 | Φ 50 | Φ 160 | 53.5 | 200 | Φ 62 | Φ 77 | Φ 32 | Φ 46 |

V 推荐管道或管接头通径尺寸 Suggested dimensions of the pipe and pipe joint

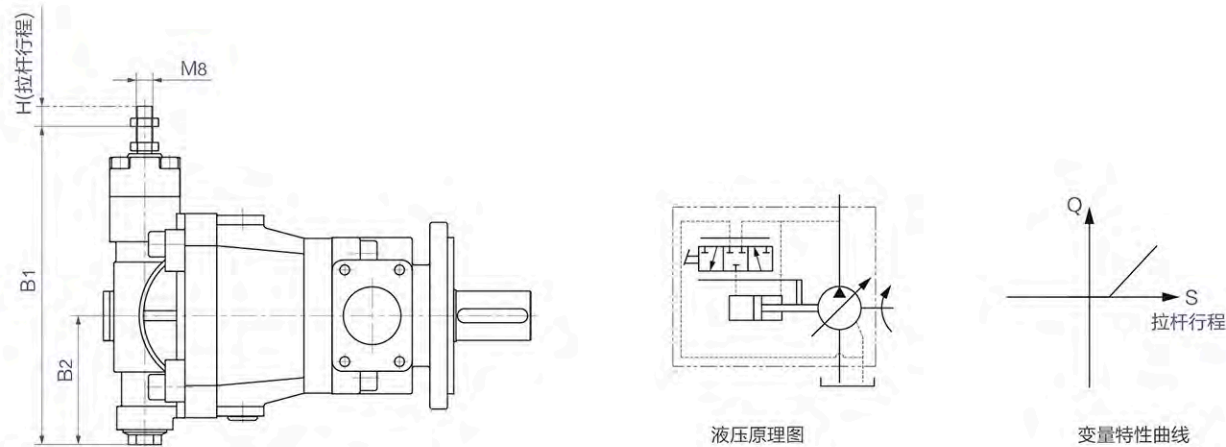
| 型号<br>Model | 进油口(mm)<br>Inlet | 出油口(mm)<br>Service Line | 泄油口(mm)<br>Drain port |
|-------------|------------------|-------------------------|-----------------------|
| JG10/25     | ≥ Φ 25           | ≥ Φ 20                  | ≥ Φ 12                |
| JG63/80/100 | ≥ Φ 50           | ≥ Φ 32                  | ≥ Φ 20                |
| JG125/160   | ≥ Φ 62           | ≥ Φ 32                  | ≥ Φ 25                |

VI 控制装置 Control devices

(1)、JG\*\*C 机动 (伺服) 变量泵 Mechanically (servo) operated

本变量机构的泵为机动伺服变量泵, 适用于频繁变量 (每一工作循环都需变量) 的开式油路系统中, 其操纵可以采用手动杠杆机构、凸轮机构以及气缸液压缸等各种方式。

The variable pump for mechanically (servo) operated, suitable for frequent variables (need) variables each work cycle in the oil system of open, its manipulation can use manual lever mechanism, CAM mechanism and a variety of ways, such as cylinder hydraulic cylinder.





| 特性尺寸 | JG10/25C | JG63/80/100C | JG125/160C |
|------|----------|--------------|------------|
| B1   | 230      | 323          | 337        |
| B2   | 85       | 128          | 135.5      |
| H    | 14.2     | 20.7         | 20.7       |

(2)、JG\*\*M – 定量 Fix displacement control

流量不可变化的泵。

The pump flow is can't be changed.

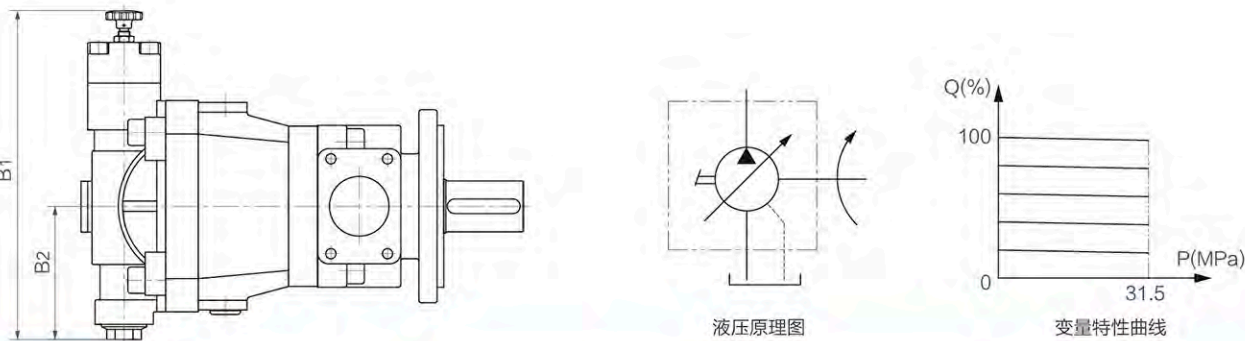


| 特性尺寸 | JG10M | JG25M | JG63/80/100M | JG125/160M |
|------|-------|-------|--------------|------------|
| A0   | 216.5 | 241   | 388          | 436.5      |
| B1   | 128   | 128   | 200          | 224        |

(3)、JG\*\*S– 手动变量 Manual control

旋转手轮进行排量的无级调节，适用于不频繁变量，且不需要远距离操纵的情况下。

Stepless adjustment of displacement by turning the handwheel, apply to the infrequent variables and don't need a remote condition.

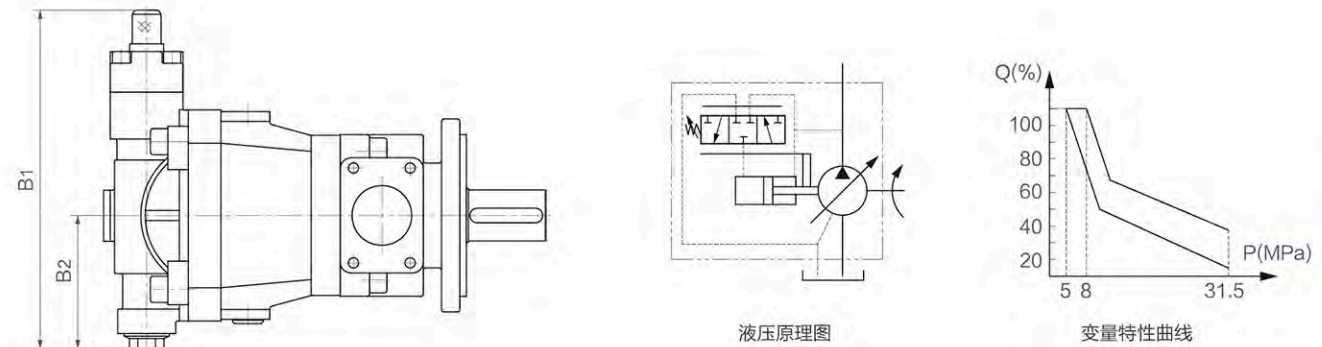


| 特性尺寸 | JG10/25S | JG63/80/100S | JG125/160S |
|------|----------|--------------|------------|
| B1   | 242      | 334          | 350        |
| B2   | 85       | 128          | 135.5      |

(4)、JG\*\*Y– 压力补偿变量 Pressure compensation control

压力补偿变量泵的出口流量随出口压力的大小近似地在一定范围内按恒功率曲线变化。调节流量特性时，可先将限位螺钉拧至上端，根据所需的流量和压力变化范围，调节弹簧套，使其流量开始发生变化时的初始压力符合要求，然后将限位螺钉拧至最高压力时的流量不再发生变化，其中间的流量与压力变化关系由泵的本身设计所决定。

The outlet flow of Pressure compensation variable pump change with the size of the outlet pressure approximately in a certain range according to the constant power curve changes. Adjust flow characteristics, can put the limit screws to the top first and according to need pressure range, adjusting spring set, make its initial pressure meet the requirements when the flow changed and then limit screws to the highest pressure of the flow of change, of which no longer flow and pressure changes between the relationship of the pump design decision by itself.

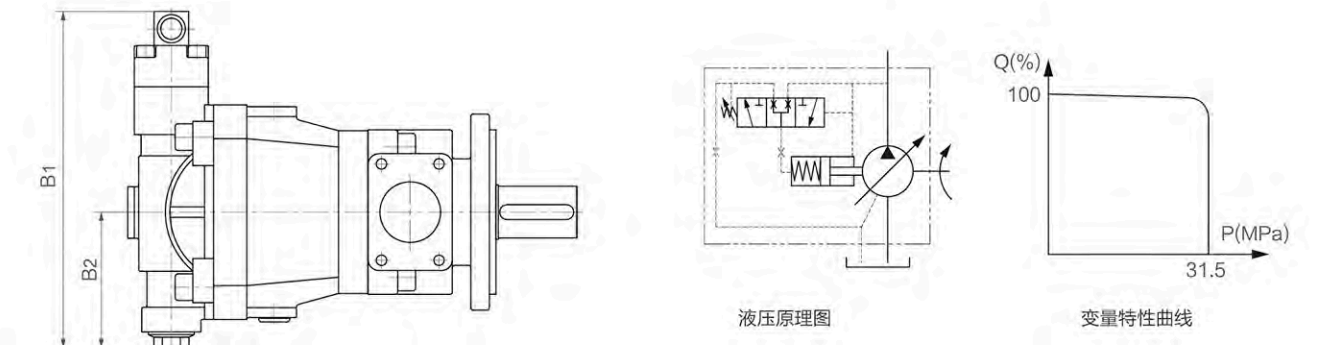


| 特性尺寸 | JG10/25Y | JG63/80/100Y | JG125/160Y |
|------|----------|--------------|------------|
| B1   | 262      | 354          | 368.5      |
| B2   | 85       | 128          | 135.5      |

(5)、JG\*\*P– 恒压变量 Constant pressure control

在泵的调节范围内，能使系统保持恒定的工作压力。当泵的控制压力通过泵上的恒压阀设定后，在系统达到设定的压力时，泵的排量迅速自动下调为仅是维持该恒定的系统压力所需的排量。系统的压力可通过恒压阀进行无级调节，且系统溢流阀仅作安全阀使用，其调定的压力应大于恒压阀设定压力的 15 ~ 20%。

In the adjustment of the pump range, can make the system maintains a constant pressure of work. When the pump pressure under control though the constant pressure pump valve settings, in the system to achieve the set pressure, pump emissions displacement rapidly to only be able to maintain automatic cut the constant pressure of the system for emissions. The system pressure can through the constant pressure valve stepless adjustment, and the system relief valves are for the relief valve function, its adjustment of pressure should be greater than constant pressure valve set up the pressure of 15 ~ 20% .



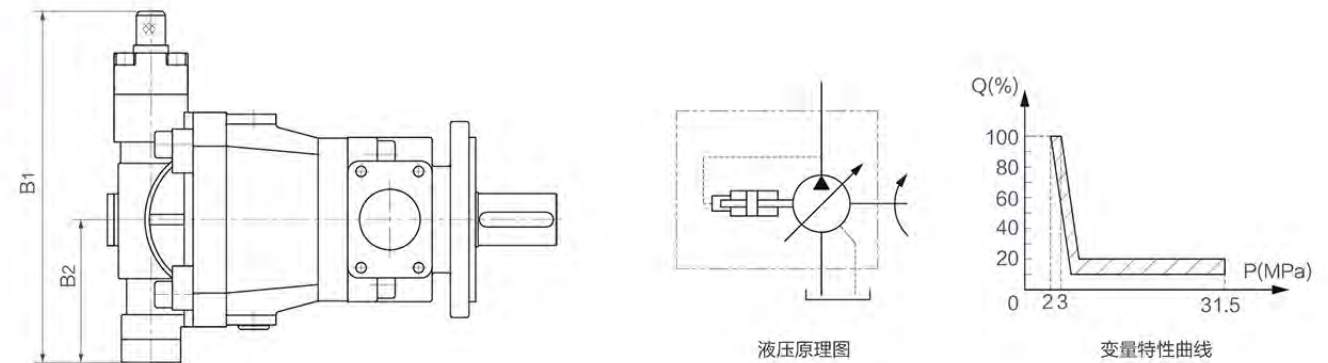


| 特性尺寸 | JG10/25P | JG63/80/100P | JG125/160P |
|------|----------|--------------|------------|
| B1   | 238      | 329          | 347        |
| B2   | 85       | 128          | 135.5      |

(6)、JG\*\*MY- 定级变量 Grading variables control

这种泵是依靠内控油压操纵变量机构。泵的压力调节范围比较小，油泵在 3 ~ 4MPa 时产生变量后，流量迅速减小至所要求的高压流量值。这种泵实际上相当于高低压组合泵，泵的驱动功率可参照压力补偿变量泵的功率选择方法进行计算。

This pump is rely on internal control hydraulic control variable instiutions.The pump pressure adjustment range are small, hydraulic in 3 ~ 4MPa generated when the variables, flow diminishes quickly to the requirements of high pressure flow value. This pump is equivalent to the combination of high and low voltage actually pump, pump drive power choose reference may be made to the pressure compensation variable pump power selection method to calculate.

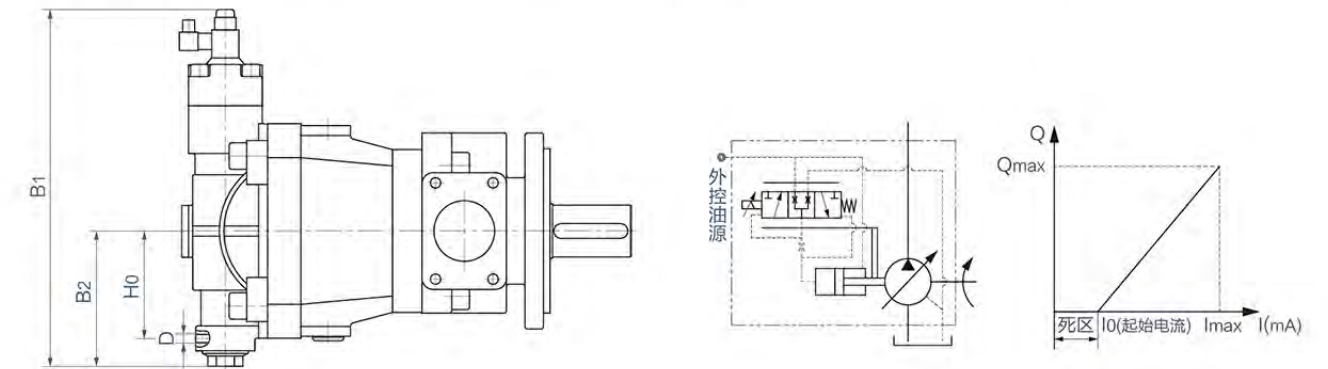


| 特性尺寸 | JG10/25MY | JG63/80/100MY | JG125/160MY |
|------|-----------|---------------|-------------|
| B1   | 274       | 368           | 383         |
| B2   | 107       | 136           | 142.5       |

(7)、JG\*\*B- 电液比例变量 Electro-hydraulic proportional control

这种泵采用外控油压来控制变量机构，利用改变输入比例电磁铁的电流大小来改变泵的流量，输入电流与泵的流量成正比例的关系。起始电流一般为 100 ~ 150mA，最大控制电流一般为 650 ~ 800mA。

This pump is rely on external control hydraulic control variable instiutions, input proportional electromagnet by changing the size of the current to change the pump flow, input current is proportional relationship to the pump flow. The starting current general is 100 ~ 150 mA, the biggest control current general is 650 ~ 800 mA .



| 特性尺寸 | JG10/25P  | JG63/80/100P | JG125/160P |
|------|-----------|--------------|------------|
| B1   | 314       | 394          | 409        |
| B2   | 85        | 128          | 135.5      |
| H0   | 53        | 89           | 98         |
| D    | M14 × 1.5 | M18 × 1.5    | M18 × 1.5  |

外控油压力，排量 125ml/r 以上的泵为 10 ~ 15MPa，排量 100ml/r 以下的的泵为 6 ~ 10MPa。使用的工作压力低，外控油压力也可相应降低。推荐外控泵的流量为  $Q_{\text{控}} \geq q/t(l/min)$ ，q 见下表。

For the oil pressure, the pump displacement more than 125ml/r is 10 ~ 15MPa, the pump displacement blew than 100ml/r is 6 ~ 10MPa. Using low working pressure, the oil pressure can be reduced. The control pump flow is recommended for  $Q_{\text{控}} \geq q/t(l/min)$  , q see the table below.

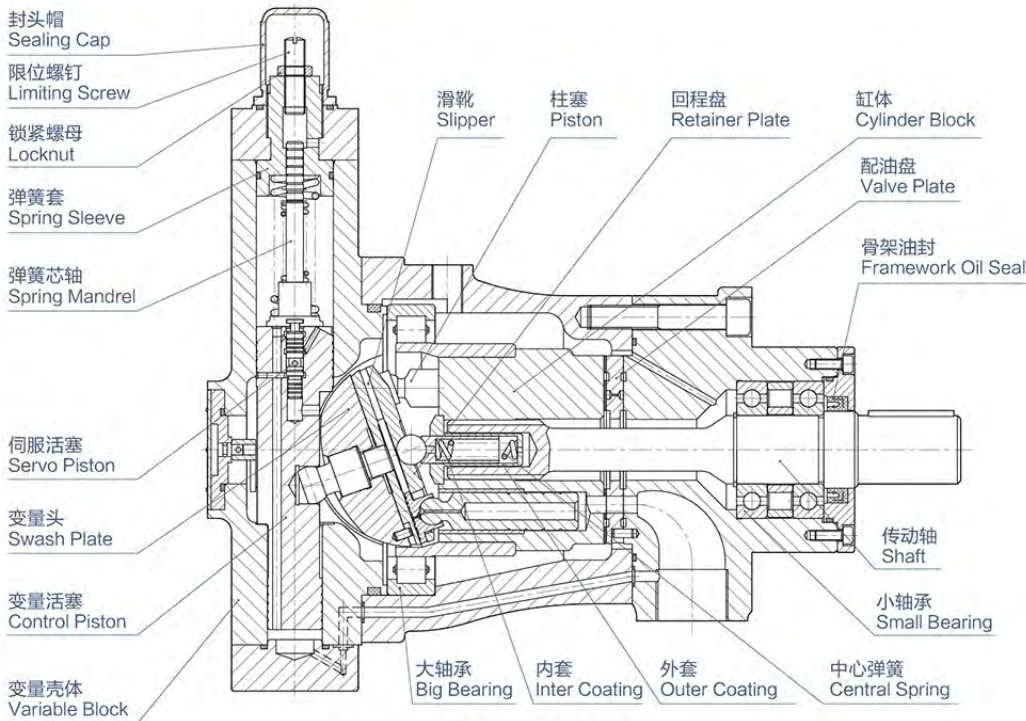
| 型号/规格       | JG10 ~ 25 | JG63 ~ 100 | JG125 ~ 160 |
|-------------|-----------|------------|-------------|
| q ( L/min ) | 55        | 66         | 83          |



CY14-1B系列变量轴向柱塞泵
Variable displacement pump CY14-1B



II 结构图 Construction



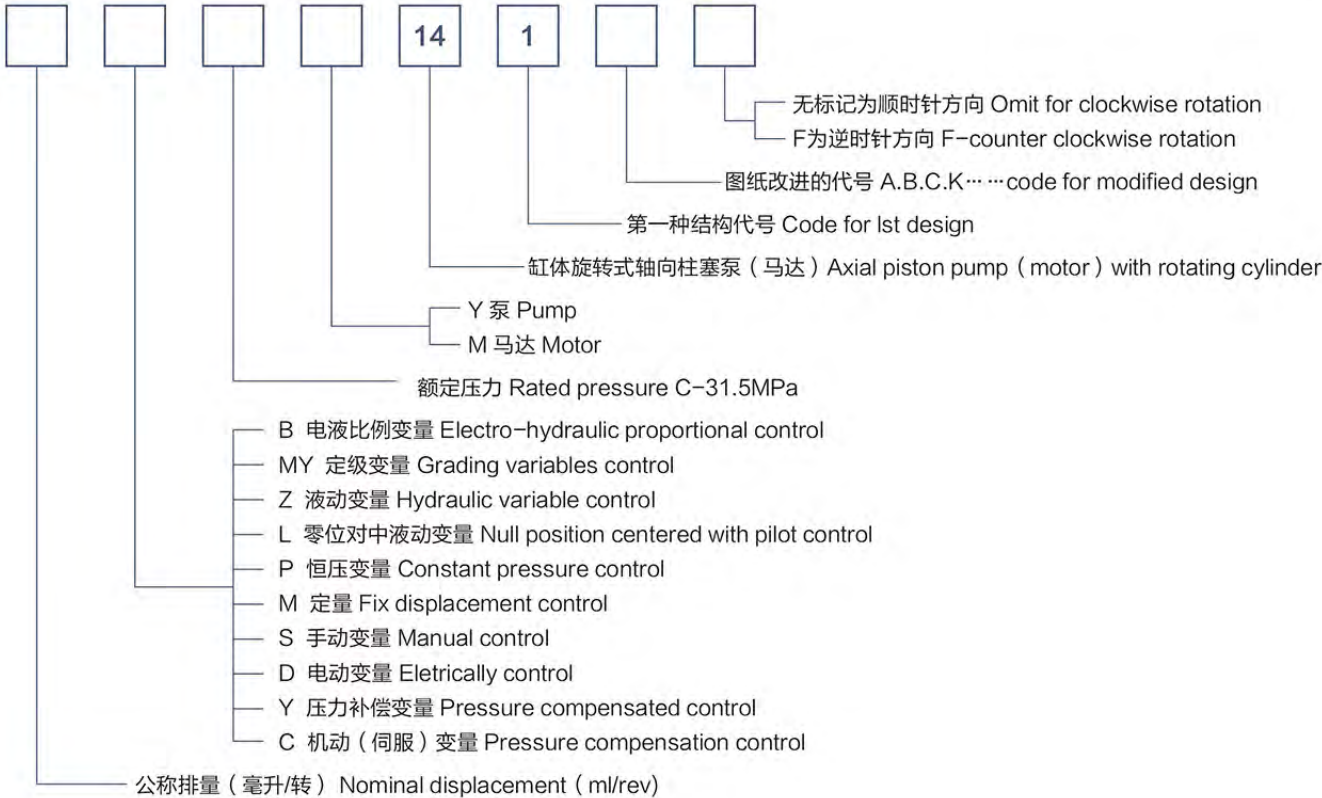
示例：压力补偿变量轴向柱塞泵（Y）结构示意图
Example: pressure compensation control (Y) Pump construction

III 参数表（理论值） The Parameter List (theoretical values)

| CY14-1B(CM14-1B)轴向柱塞泵(马达)的技术参数<br>Technical data of CY14-1B(CM14-1B)Axial piston pump |                                                      |                                             |                                   |                                |                                  |                                   |              |              |              |              |              |              |              |               |              |
|---------------------------------------------------------------------------------------|------------------------------------------------------|---------------------------------------------|-----------------------------------|--------------------------------|----------------------------------|-----------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|--------------|
| 型号<br>Model                                                                           | 连续工作压力<br>(MPa)<br>Continuous<br>working<br>pressure | 公称排量<br>(ml/rev)<br>Nominal<br>displacement | 额定转速<br>(r/min)<br>rated<br>power | 额定功率<br>(KW)<br>rated<br>power | 重量<br>(kg)<br>SCY14-1B<br>Weight | 变量型式<br>Displacement control type |              |              |              |              |              |              |              |               |              |
|                                                                                       |                                                      |                                             |                                   |                                |                                  | CCY<br>14-1B                      | YCY<br>14-1B | DCY<br>14-1B | SCY<br>14-1B | MCY<br>14-1B | PCY<br>14-1B | LCY<br>14-1B | ZCY<br>14-1B | MYCY<br>14-1B | BCY<br>14-1B |
| 2.5*CY(M)<br>14-1B                                                                    | 31.5                                                 | 2.5                                         | 3000                              | 4.4                            | 7.2                              |                                   |              |              | √ ☆          | √ ☆          |              |              |              |               |              |
| 5*CY(M)<br>14-1B                                                                      |                                                      | 5                                           | 1500                              | 4.4                            | 8.2                              |                                   |              |              | √ ☆          | √ ☆          |              |              |              |               |              |
| 10*CY(M)<br>14-1B                                                                     |                                                      | 10                                          | 1500                              | 8.7                            | 19                               | 0 ☆                               | √ ☆          | √ ☆          | √ ☆          | √ ☆          | √ ☆          |              | 0 ☆          | √ ☆           | √ ☆          |
| 16*CY(M)<br>14-1B                                                                     |                                                      | 16                                          | 1500                              | 14                             | 35                               | 0 ☆                               | √ ☆          | √ ☆          | √ ☆          | √ ☆          | √ ☆          |              | 0 ☆          | √ ☆           | √ ☆          |
| 25*CY(M)<br>14-1B                                                                     |                                                      | 25                                          | 1500                              | 21.8                           | 35                               | 0 ☆                               | √ ☆          | √ ☆          | √ ☆          | √ ☆          | √ ☆          |              | 0 ☆          | √ ☆           | √ ☆          |
| 32*CY(M)<br>14-1B                                                                     |                                                      | 32                                          | 1500                              | 28                             | 35                               | 0 ☆                               | √ ☆          | √ ☆          | √ ☆          | √ ☆          | √ ☆          |              | 0 ☆          | √ ☆           | √ ☆          |
| 40*CY(M)<br>14-1B                                                                     |                                                      | 40                                          | 1500                              | 35                             | 35                               | 0 ☆                               | √ ☆          | √ ☆          | √ ☆          | √ ☆          | √ ☆          |              | 0 ☆          | √ ☆           | √ ☆          |
| 63*CY(M)<br>14-1B                                                                     |                                                      | 63                                          | 1500                              | 55                             | 63                               | 0 ☆                               | √ ☆          | √ ☆          | √ ☆          | √ ☆          | √ ☆          |              | 0 ☆          | √ ☆           | √ ☆          |
| 80*CY(M)<br>14-1B                                                                     |                                                      | 80                                          | 1500                              | 70                             | 63                               | 0 ☆                               | √ ☆          | √ ☆          | √ ☆          | √ ☆          | √ ☆          |              | 0 ☆          | √ ☆           | √ ☆          |
| 108*CY(M)<br>14-1B                                                                    |                                                      | 108                                         | 1500                              | 94.5                           | 73                               | 0 ☆                               | √ ☆          | √ ☆          | √ ☆          | √ ☆          | √ ☆          |              | 0 ☆          | √ ☆           | √ ☆          |
| 160*CY(M)<br>14-1B                                                                    |                                                      | 160                                         | 1000、<br>1500                     | 93、<br>139                     | 128                              | 0 ☆                               | √ ☆          | √ ☆          | √ ☆          | √ ☆          | √ ☆          | 0 ☆          | 0 ☆          | √ ☆           | √ ☆          |
| 250*CY(M)<br>14-1B                                                                    |                                                      | 250                                         | 1000、<br>1500                     | 145、<br>218                    | 227                              | 0 ☆                               | √ ☆          | √ ☆          | √ ☆          | √ ☆          | √ ☆          | 0 ☆          | 0 ☆          |               | √ ☆          |
| 400*CY(M)<br>14-1B                                                                    |                                                      | 400                                         | 1000                              | 232                            | 235                              | 0 ☆                               | √ ☆          | √ ☆          | √ ☆          | √ ☆          | √ ☆          | 0 ☆          | 0 ☆          |               | √ ☆          |

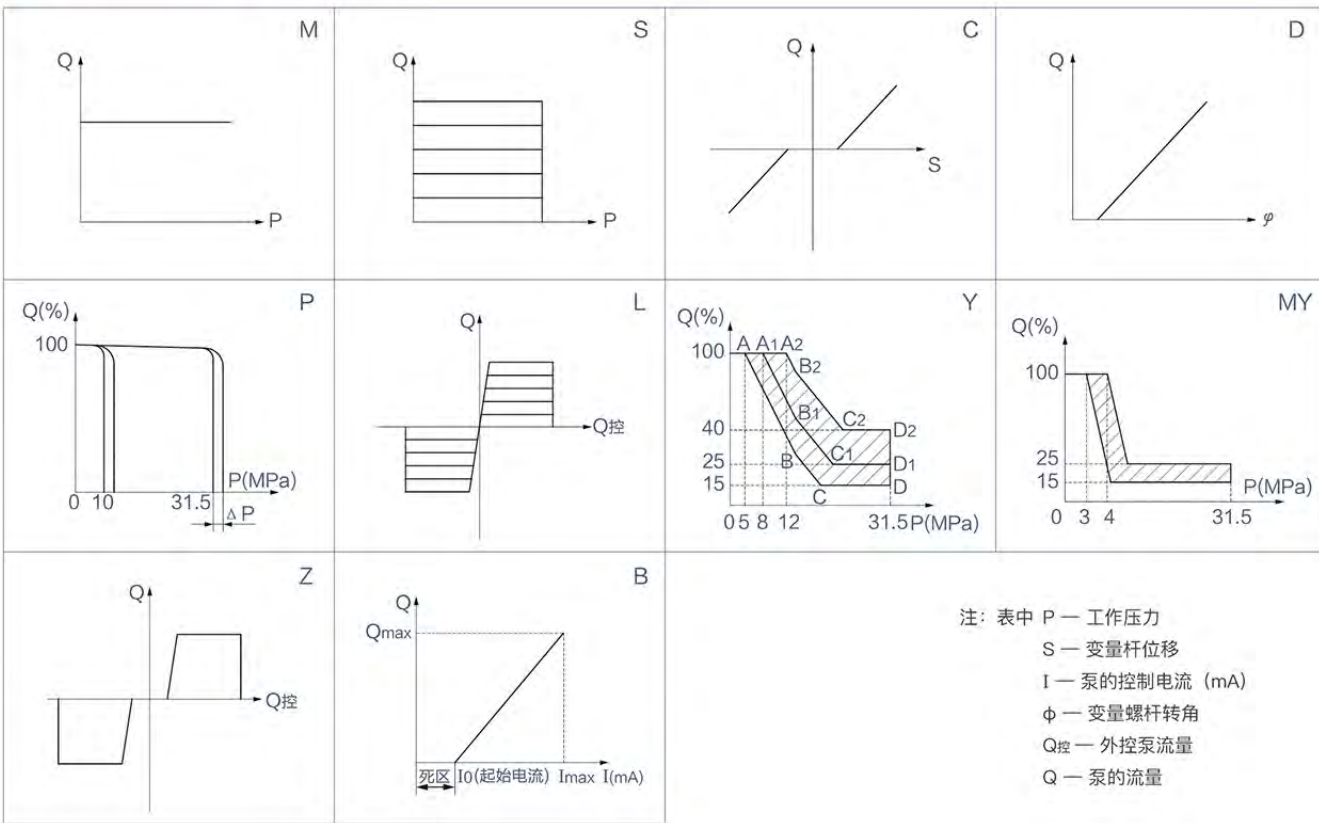
备注：有“0”者表示油流可以换向，有“√”者表示油流不可换向，有“☆”者表示我厂可供产品。  
Note: “0”Signifies double discharge, “√”Signifies single discharge, “☆”Signifies Product availability.

I 型号说明 Ordering code





V 控制装置 Control devices



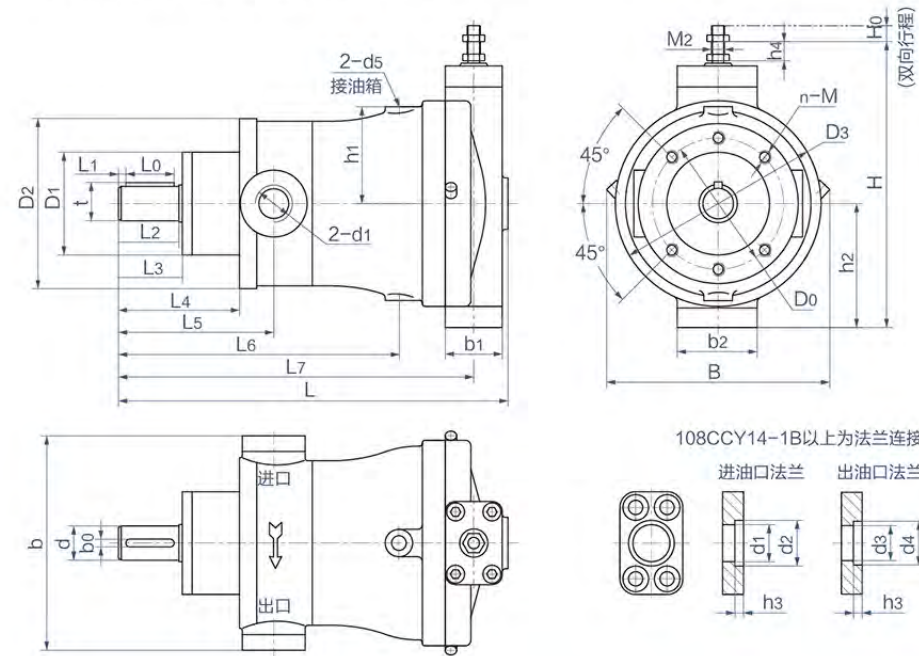
VI 推荐管道或管接头通径尺寸 (不可逆用) Recommending Pipe Sizes (Using Oppositely unallowed)

| 型号<br>Model | 进口(外径×壁厚)<br>Inlet<br>(Outer diameter×thickness) | 出口(外径×壁厚)<br>outlet<br>(Outer diameter×thickness) | 泄油口(外径×壁厚)<br>Drain Fluid<br>(Outer diameter×thickness) |
|-------------|--------------------------------------------------|---------------------------------------------------|---------------------------------------------------------|
| 2.5CY14-1B  | φ 18×2                                           | φ 14×2                                            | φ 8×1                                                   |
| 5CY14-1B    | φ 18×2                                           | φ 18×2.5                                          | φ 10×1                                                  |
| 10CY14-1B   | φ 25×2                                           | φ 18×2.5                                          | φ 10×1                                                  |
| 16CY14-1B   | φ 30×3                                           | φ 22×3                                            | φ 10×1                                                  |
| 25CY14-1B   | φ 34×3                                           | φ 28×4                                            | φ 10×1                                                  |
| 32CY14-1B   | φ 38×3                                           | φ 28×4                                            | φ 12×1                                                  |
| 40CY14-1B   | φ 42×3                                           | φ 28×4                                            | φ 12×1                                                  |
| 63CY14-1B   | φ 50×3.5                                         | φ 42×4                                            | φ 14×1                                                  |
| 80CY14-1B   | φ 54×3.5                                         | φ 42×4                                            | φ 14×1                                                  |
| 108CY14-1B  | φ 60×3.5                                         | φ 48×5                                            | φ 18×1.5                                                |
| 160CY14-1B  | φ 63×4                                           | φ 50×5                                            | φ 18×1.5                                                |
| 250CY14-1B  | φ 89×4                                           | φ 76×7                                            | φ 24×2                                                  |
| 400CY14-1B  | φ 89×4                                           | φ 76×7                                            | φ 24×2                                                  |

推荐使用JB/T984-1977焊接式端直通管接头体  
Recommend using JB/T984-1977 welded end through the pipe body

VII 外形尺寸 Overall dimension

CCY14-1B 轴向柱塞泵外形尺寸  
Overall dimension of Axial Piston Pump Type CCY14-1B

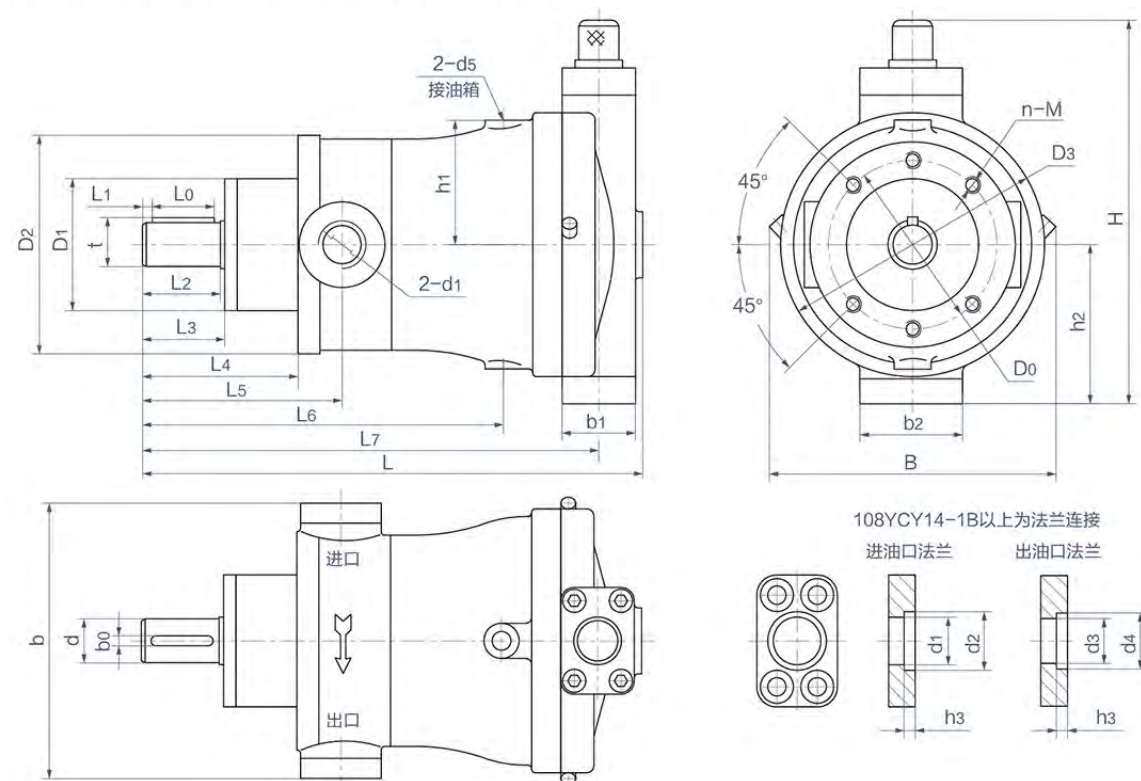


| 型号<br>尺寸 | 10(16)CCY | 25CCY    | (32)40CCY | 63(80)CCY  | 108CCY   | 160CCY   | 250CCY   | 400CCY   |
|----------|-----------|----------|-----------|------------|----------|----------|----------|----------|
| B        | 172       | 195      | 195       | 258        | 258      | 322      | 385      | 385      |
| b        | 142       | 172      | 178       | 200        | 270      | 330      | 420      | 420      |
| b0(h9)   | 8         | 8        | 8         | 12         | 12       | 16       | 18       | 18       |
| b1       | 50        | 66       | 66        | 74         | 74       | 100      | 100      | 100      |
| b2       | 88        | 100      | 100       | 104        | 104      | 120      | 140      | 140      |
| D0       | φ 100     | φ 125    | φ 125     | φ 155      | φ 155    | φ 198    | φ 230    | φ 230    |
| D1(f9)   | φ 75      | φ 100    | φ 100     | φ 120      | φ 120    | φ 150    | φ 180    | φ 180    |
| D2       | φ 125     | φ 150    | φ 150     | φ 190      | φ 190    | φ 240    | φ 280    | φ 280    |
| D3       | φ 150     | φ 170    | φ 170     | φ 225      | φ 225    | φ 300    | φ 360    | φ 360    |
| d(h6)    | φ 25      | φ 30     | φ 30      | φ 40       | φ 40     | φ 55     | φ 60     | φ 60     |
| d2(d4)   |           |          |           |            | φ 60     | φ 64     | φ 76     | φ 76     |
| d1(d3)   | M22×1.5   | M33×2    | M42×2     | M42(M48)×2 | φ 50     | φ 55     | φ 65     | φ 65     |
| d5       | M14×1.5   | M14×1.5  | M14×1.5   | M18×1.5    | M22×1.5  | M22×1.5  | M27×2    | M27×2    |
| H        | 243       | 296      | 296       | 337        | 337      | 391      | 458      | 458      |
| H0       | 22        | 34.6     | 34.6      | 41.4       | 41.4     | 42.8     | 55.6     | 55.6     |
| h1       | 71        | 83       | 83        | 108        | 108      | 141      | 170      | 170      |
| h2       | 100       | 125      | 125       | 139        | 139      | 172      | 210      | 210      |
| h3       |           |          |           |            | 15       | 20       | 25       | 25       |
| h4       | 22        | 22       | 22        | 22         | 22       | 22       | 22       | 22       |
| L        | 295       | 362      | 362       | 440        | 450      | 595      | 691      | 701      |
| L0       | 30        | 45       | 45        | 50         | 50       | 100      | 100      | 100      |
| L1       | 4         | 4        | 4         | 4          | 4        | 4        | 5        | 5        |
| L2       | 40        | 52       | 52        | 60         | 60       | 106      | 110      | 110      |
| L3       | 41        | 54       | 54        | 62         | 62       | 110      | 112      | 112      |
| L4       | 86        | 104      | 104       | 122        | 122      | 180      | 212      | 212      |
| L5       | 109       | 134      | 134       | 157        | 162      | 230      | 272      | 277      |
| L6       | 194       | 237      | 237       | 300        | 310      | 411      | 492      | 502      |
| L7       | 258       | 317      | 317       | 389        | 399      | 533      | 629      | 639      |
| M        | 4-M10×25  | 4-M10×25 | 4-M10×25  | 4-M12×25   | 4-M12×25 | 6-M16×35 | 6-M20×45 | 6-M20×45 |
| t        | 28        | 33       | 33        | 42.8       | 42.8     | 59       | 63.9     | 63.9     |



## YCY14-1B 轴向柱塞泵

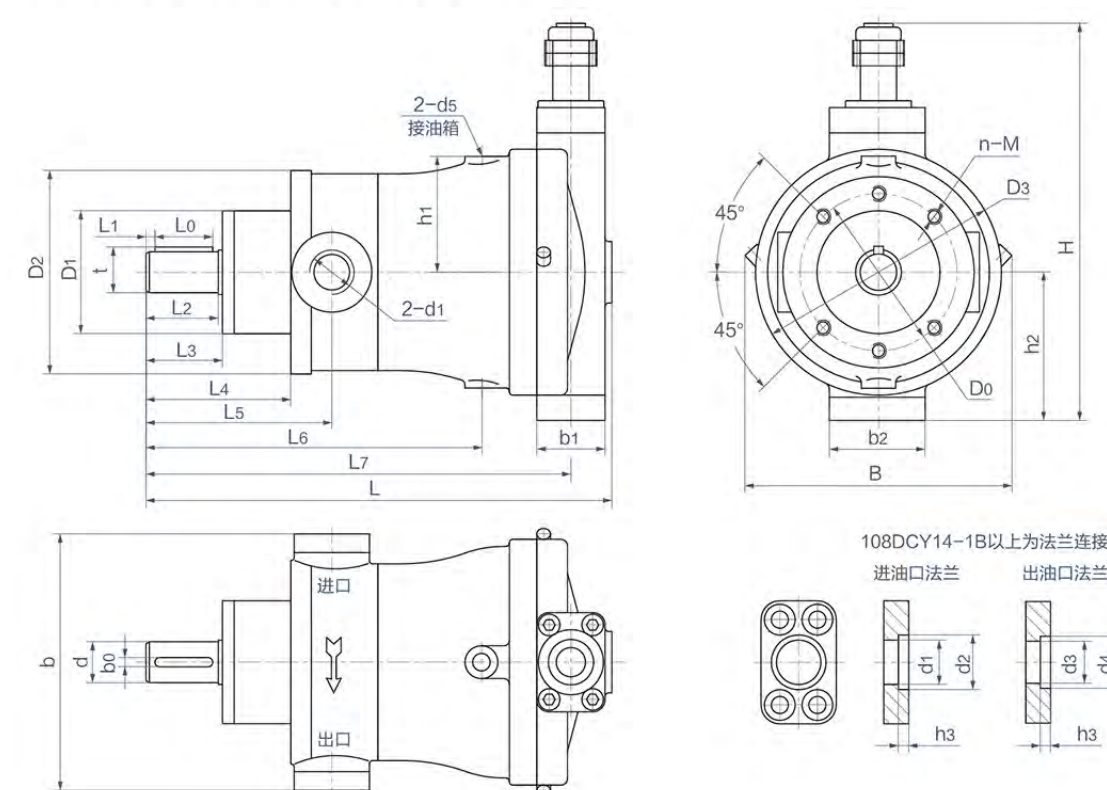
### Overall dimension of Axial Piston Pump Type YCY14-1B



| 尺寸     | 型号 | 10(16)YCY | 25YCY    | (32)40YCY | 63(80)YCY  | 108YCY   | 160YCY   | 250YCY     | 400YCY   |
|--------|----|-----------|----------|-----------|------------|----------|----------|------------|----------|
| B      |    | 172       | 195      | 195       | 258        | 258      | 322      | 385        | 385      |
| b      |    | 142       | 172      | 178       | 200        | 270      | 330      | 420        | 420      |
| bo(h9) |    | 8         | 8        | 8         | 12         | 12       | 16       | 18         | 18       |
| b1     |    | 50        | 66       | 66        | 74         | 74       | 100      | 100        | 100      |
| b2     |    | 88        | 100      | 100       | 104        | 104      | 120      | 140        | 140      |
| D0     |    | φ 100     | φ 125    | φ 125     | φ 155      | φ 155    | φ 198    | φ 230      | φ 230    |
| D1(f9) |    | φ 75      | φ 100    | φ 100     | φ 120      | φ 120    | φ 150    | φ 180      | φ 180    |
| D2     |    | φ 125     | φ 150    | φ 150     | φ 190      | φ 190    | φ 240    | φ 280      | φ 280    |
| D3     |    | φ 150     | φ 170    | φ 170     | φ 225      | φ 225    | φ 300    | φ 360      | φ 360    |
| d(h6)  |    | φ 25      | φ 30     | φ 30      | φ 40       | φ 40     | φ 55     | φ 60       | φ 60     |
| d2(d4) |    |           |          |           |            | φ 60     | φ 64     | φ 81(φ 76) | φ 76     |
| d1(d3) |    | M22×1.5   | M33×2    | M42×2     | M42(M48)×2 | φ 50     | φ 55     | φ 75(φ 65) | φ 65     |
| d5     |    | M14×1.5   | M14×1.5  | M14×1.5   | M18×1.5    | M22×1.5  | M22×1.5  | M27×2      | M27×2    |
| H      |    | 288       | 351      | 351       | 400        | 400      | 448      | 516        | 516      |
| h1     |    | 71        | 83       | 83        | 108        | 108      | 141      | 170        | 170      |
| h2     |    | 100       | 120      | 120       | 140        | 140      | 173      | 210        | 210      |
| h3     |    |           |          |           |            | 15       | 20       | 25         | 25       |
| L      |    | 295       | 364      | 364       | 440        | 450      | 595      | 691        | 701      |
| L0     |    | 30        | 45       | 45        | 50         | 50       | 100      | 100        | 100      |
| L1     |    | 4         | 4        | 4         | 4          | 4        | 4        | 5          | 5        |
| L2     |    | 40        | 52       | 52        | 60         | 60       | 106      | 110        | 110      |
| L3     |    | 41        | 54       | 54        | 62         | 62       | 110      | 112        | 112      |
| L4     |    | 86        | 104      | 104       | 122        | 122      | 180      | 212        | 212      |
| L5     |    | 109       | 134      | 134       | 157        | 162      | 230      | 272        | 277      |
| L6     |    | 194       | 237      | 237       | 300        | 310      | 411      | 492        | 502      |
| L7     |    | 258       | 317      | 317       | 389        | 399      | 533      | 629        | 639      |
| M      |    | 4-M10×25  | 4-M10×25 | 4-M10×25  | 4-M12×25   | 4-M12×25 | 6-M16×35 | 6-M20×45   | 6-M20×45 |
| t      |    | 28        | 33       | 33        | 42.8       | 42.8     | 59       | 63.9       | 63.9     |

## DCY14-1B 轴向柱塞泵

### Overall dimension of Axial Piston Pump Type DCY14-1B

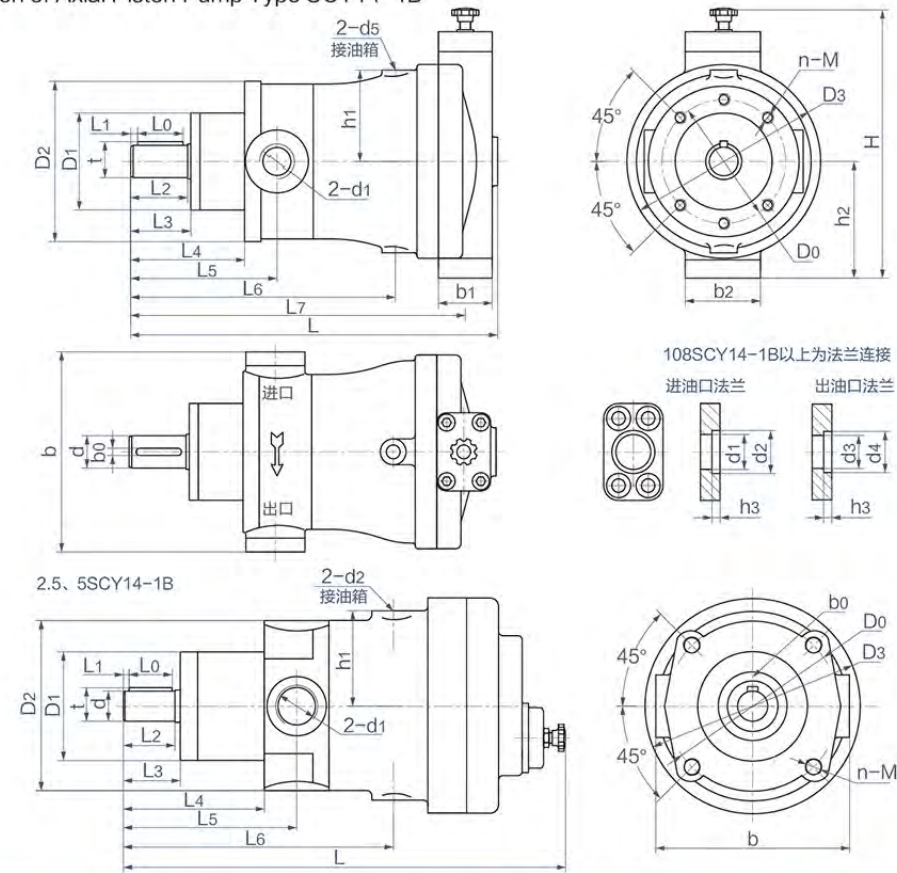


| 尺寸     | 10(16)DCY | 25DCY    | (32)40DCY | 63(80)DCY  | 108DCY   | 160DCY   | 250DCY     | 400DCY   |
|--------|-----------|----------|-----------|------------|----------|----------|------------|----------|
| B      | 172       | 195      | 195       | 258        | 258      | 322      | 385        | 385      |
| b      | 142       | 172      | 178       | 200        | 270      | 330      | 420        | 420      |
| bo(h9) | 8         | 8        | 8         | 12         | 12       | 16       | 18         | 18       |
| b1     | 50        | 66       | 66        | 74         | 74       | 100      | 100        | 100      |
| b2     | 88        | 100      | 100       | 104        | 104      | 120      | 140        | 140      |
| D0     | φ 100     | φ 125    | φ 125     | φ 155      | φ 155    | φ 198    | φ 230      | φ 230    |
| D1(f9) | φ 75      | φ 100    | φ 100     | φ 120      | φ 120    | φ 150    | φ 180      | φ 180    |
| D2     | φ 125     | φ 150    | φ 150     | φ 190      | φ 190    | φ 240    | φ 280      | φ 280    |
| D3     | φ 150     | φ 170    | φ 170     | φ 225      | φ 225    | φ 300    | φ 360      | φ 360    |
| d(h6)  | φ 25      | φ 30     | φ 30      | φ 40       | φ 40     | φ 55     | φ 60       | φ 60     |
| d2(d4) |           |          |           |            | φ 60     | φ 64     | φ 81(φ 76) | φ 76     |
| d1(d3) | M22×1.5   | M33×2    | M42×2     | M42(M48)×2 | φ 50     | φ 55     | φ 75(φ 65) | φ 65     |
| d5     | M14×1.5   | M14×1.5  | M14×1.5   | M18×1.5    | M22×1.5  | M22×1.5  | M27×2      | M27×2    |
| H      | 369       | 420      | 420       | 480        | 480      | 535      | 613        | 613      |
| h1     | 71        | 83       | 83        | 108        | 108      | 141      | 170        | 170      |
| h2     | 100       | 125      | 125       | 139        | 139      | 172      | 210        | 210      |
| h3     |           |          |           |            | 15       | 20       | 25         | 25       |
| L      | 295       | 362      | 362       | 440        | 450      | 595      | 691        | 701      |
| L0     | 30        | 45       | 45        | 50         | 50       | 100      | 100        | 100      |
| L1     | 4         | 4        | 4         | 4          | 4        | 4        | 5          | 5        |
| L2     | 40        | 52       | 52        | 60         | 60       | 106      | 110        | 110      |
| L3     | 41        | 54       | 54        | 62         | 62       | 110      | 112        | 112      |
| L4     | 86        | 104      | 104       | 122        | 122      | 180      | 212        | 212      |
| L5     | 109       | 134      | 134       | 157        | 162      | 230      | 272        | 277      |
| L6     | 194       | 237      | 237       | 300        | 310      | 411      | 492        | 502      |
| L7     | 258       | 317      | 317       | 389        | 399      | 533      | 629        | 639      |
| M      | 4-M10×25  | 4-M10×25 | 4-M10×25  | 4-M12×25   | 4-M12×25 | 6-M16×35 | 6-M20×45   | 6-M20×45 |
| t      | 28        | 33       | 33        | 42.8       | 42.8     | 59       | 63.9       | 63.9     |



SCY14-1B 轴向柱塞泵

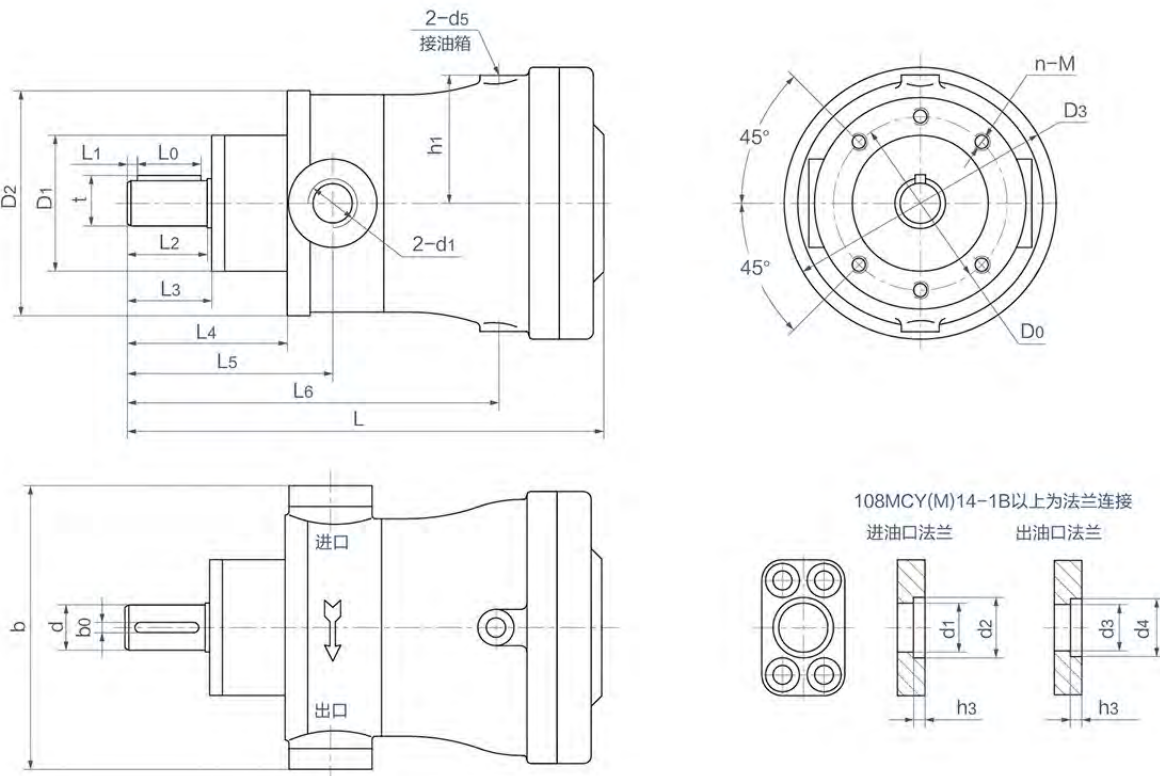
Overall dimension of Axial Piston Pump Type SCY14-1B



| 型号     | 2.5SCY  | 5SCY    | 10(16)SCY | 25SCY    | (32)40SCY | 63(80)SCY  | 108SCY   | 160SCY   | 250SCY     | 400SCY   |
|--------|---------|---------|-----------|----------|-----------|------------|----------|----------|------------|----------|
| 尺寸     |         |         |           |          |           |            |          |          |            |          |
| b      | 84      | 98      | 142       | 172      | 178       | 200        | 270      | 330      | 420        | 420      |
| b0(h9) | 5       | 6       | 8         | 8        | 8         | 12         | 12       | 16       | 18         | 18       |
| b1     |         |         | 50        | 66       | 66        | 74         | 74       | 100      | 100        | 100      |
| b2     |         |         | 88        | 100      | 100       | 104        | 104      | 120      | 140        | 140      |
| D0     | Φ 80    | Φ 90    | Φ 100     | Φ 125    | Φ 125     | Φ 155      | Φ 155    | Φ 198    | Φ 230      | Φ 230    |
| D1(f9) | Φ 52    | Φ 60    | Φ 75      | Φ 100    | Φ 100     | Φ 120      | Φ 120    | Φ 150    | Φ 180      | Φ 180    |
| D2     | Φ 79    | Φ 96    | Φ 125     | Φ 150    | Φ 150     | Φ 190      | Φ 190    | Φ 240    | Φ 280      | Φ 280    |
| D3     | Φ 100   | Φ 102   | Φ 150     | Φ 170    | Φ 170     | Φ 225      | Φ 225    | Φ 300    | Φ 360      | Φ 360    |
| d(h6)  | Φ 14    | Φ 20    | Φ 25      | Φ 30     | Φ 30      | Φ 40       | Φ 40     | Φ 55     | Φ 60       | Φ 60     |
| d2(d4) |         |         |           |          |           |            | Φ 60     | Φ 64     | Φ 81(Φ 76) | Φ 76     |
| d1(d3) | M18×1.5 | M22×1.5 | M22×1.5   | M33×2    | M42×2     | M42(M48)×2 | Φ 50     | Φ 55     | Φ 75(Φ 65) | Φ 65     |
| d5     | M10×1   | M14×1.5 | M14×1.5   | M14×1.5  | M14×1.5   | M18×1.5    | M22×1.5  | M22×1.5  | M27×2      | M27×2    |
| H      |         |         | 231       | 266      | 266       | 305        | 305      | 393      | 470        | 470      |
| h1     | 44      | 50      | 71        | 83       | 83        | 108        | 108      | 141      | 170        | 170      |
| h2     |         |         | 91        | 101      | 101       | 130        | 130      | 165      | 203        | 203      |
| h3     |         |         |           |          |           |            | 15       | 20       | 25         | 25       |
| L      | 212.5   | 248     | 295       | 362      | 362       | 440        | 450      | 595      | 691        | 701      |
| L0     | 20      | 28      | 30        | 45       | 45        | 50         | 50       | 100      | 100        | 100      |
| L1     | 3       | 3       | 4         | 4        | 4         | 4          | 4        | 4        | 5          | 5        |
| L2     | 25      | 31.5    | 40        | 52       | 52        | 60         | 60       | 106      | 110        | 110      |
| L3     | 26      | 34.5    | 41        | 54       | 54        | 62         | 62       | 110      | 112        | 112      |
| L4     | 62      | 73      | 86        | 104      | 104       | 122        | 122      | 180      | 212        | 212      |
| L5     | 77      | 90.5    | 109       | 134      | 134       | 157        | 162      | 230      | 272        | 277      |
| L6     | 119     | 144     | 194       | 237      | 237       | 300        | 310      | 411      | 492        | 502      |
| L7     |         |         | 258       | 317      | 317       | 389        | 399      | 533      | 629        | 639      |
| M      | 4-M8×12 | 4-M8×20 | 4-M10×25  | 4-M10×25 | 4-M10×25  | 4-M12×25   | 4-M12×25 | 6-M16×35 | 6-M20×45   | 6-M20×45 |
| t      | 16      | 22.5    | 28        | 33       | 33        | 42.8       | 42.8     | 59       | 63.9       | 63.9     |

MCY (M) 14-1B 轴向柱塞泵

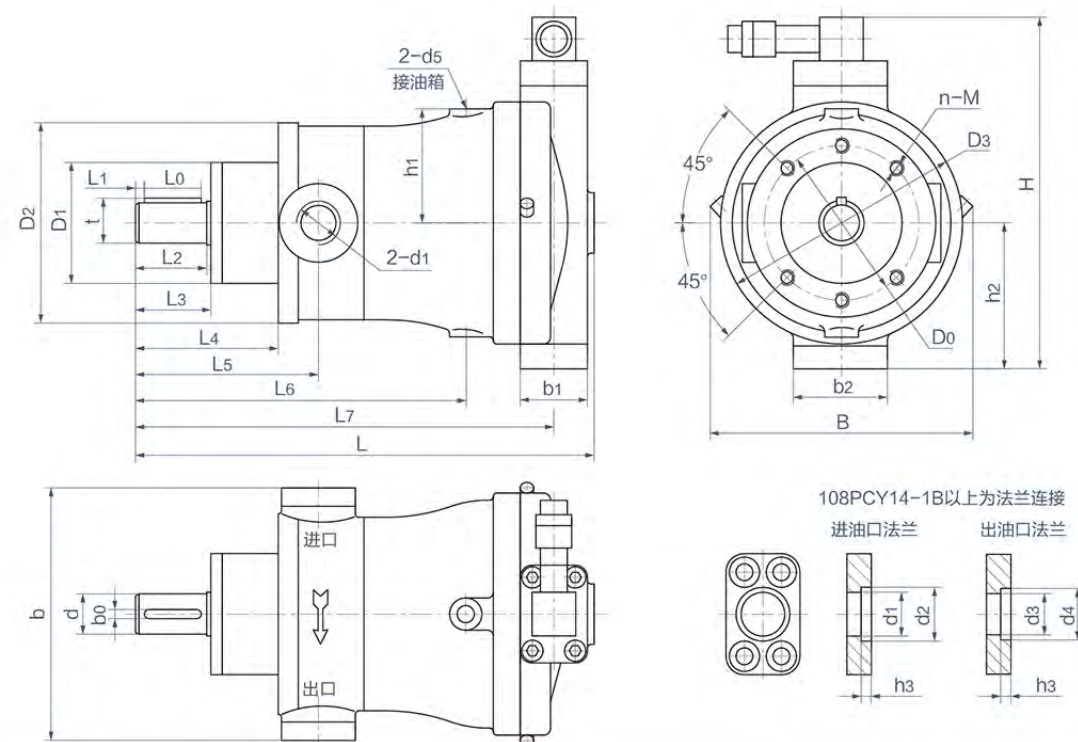
Overall dimension of Axial Piston Pump Type MCY (M) 14-1B





## PCY14-1B 轴向柱塞泵

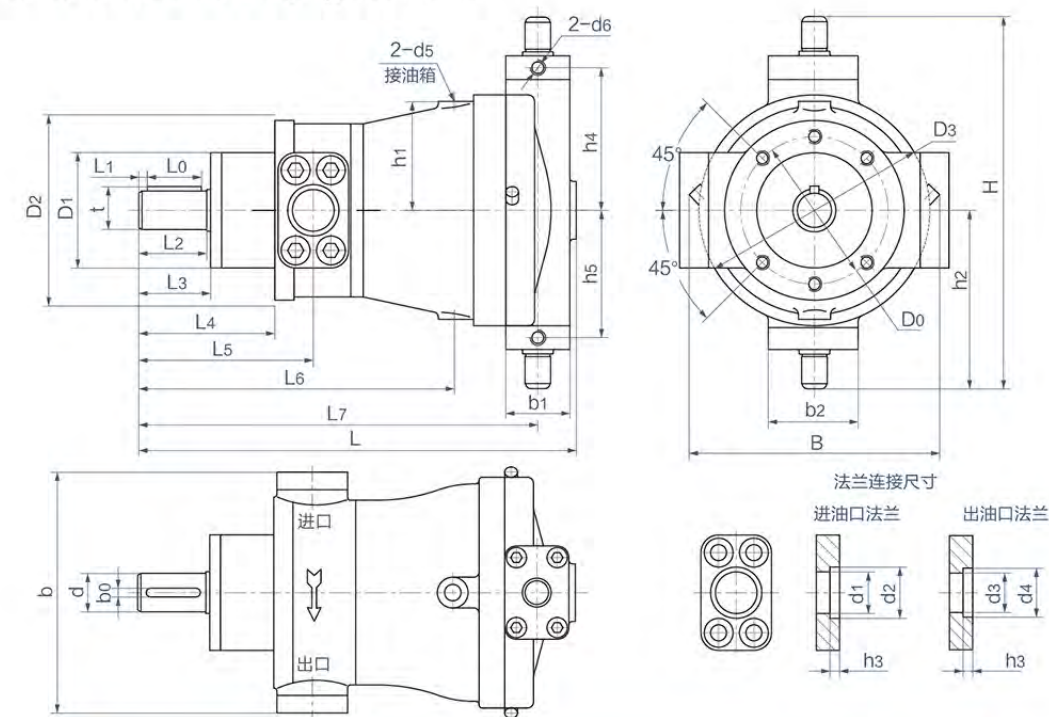
Overall dimension of Axial Piston Pump Type PCY14-1B



| 尺寸     | 型号       | 10(16)PCY | 25PCY    | (32)40PCY  | 63(80)PCY | 108PCY   | 160PCY     | 250PCY   | 400PCY   |
|--------|----------|-----------|----------|------------|-----------|----------|------------|----------|----------|
| B      |          | 172       | 195      | 195        | 258       | 258      | 322        | 385      | 385      |
| b      |          | 142       | 172      | 178        | 200       | 270      | 330        | 420      | 420      |
| b0(h9) |          | 8         | 8        | 8          | 12        | 12       | 16         | 18       | 18       |
| b1     |          | 50        | 66       | 66         | 74        | 74       | 100        | 100      | 100      |
| b2     |          | 88        | 100      | 100        | 104       | 104      | 120        | 140      | 140      |
| b3     |          | 187       | 187      | 187        | 138       | 138      | 138        | 138      | 138      |
| D0     | φ 100    | φ 125     | φ 125    | φ 155      | φ 155     | φ 198    | φ 230      | φ 230    | φ 230    |
| D1(f9) | φ 75     | φ 100     | φ 100    | φ 120      | φ 120     | φ 150    | φ 180      | φ 180    | φ 180    |
| D2     | φ 125    | φ 150     | φ 150    | φ 190      | φ 190     | φ 240    | φ 280      | φ 280    | φ 280    |
| D3     | φ 150    | φ 170     | φ 170    | φ 225      | φ 225     | φ 300    | φ 360      | φ 360    | φ 360    |
| d(h6)  | φ 25     | φ 30      | φ 30     | φ 40       | φ 40      | φ 55     | φ 60       | φ 60     | φ 60     |
| d2(d4) |          |           |          |            | φ 60      | φ 64     | φ 81(φ 76) | φ 76     | φ 76     |
| d1(d3) | M22×1.5  | M33×2     | M42×2    | M42(M48)×2 | φ 50      | φ 55     | φ 75(φ 65) | φ 65     | φ 65     |
| d5     | M14×1.5  | M14×1.5   | M14×1.5  | M18×1.5    | M22×1.5   | M22×1.5  | M27×2      | M27×2    | M27×2    |
| H      | 286      | 271       | 271      | 329        | 329       | 396      | 465        | 465      | 465      |
| h1     | 71       | 83        | 83       | 108        | 108       | 141      | 170        | 170      | 170      |
| h2     | 100      | 120       | 120      | 140        | 140       | 173      | 210        | 210      | 210      |
| h3     |          |           |          |            | 15        | 20       | 25         | 25       | 25       |
| L      | 295      | 364       | 364      | 440        | 450       | 595      | 691        | 701      | 701      |
| L0     | 30       | 45        | 45       | 50         | 50        | 100      | 100        | 100      | 100      |
| L1     | 4        | 4         | 4        | 4          | 4         | 4        | 5          | 5        | 5        |
| L2     | 40       | 52        | 52       | 60         | 60        | 106      | 110        | 110      | 110      |
| L3     | 41       | 54        | 54       | 62         | 62        | 110      | 112        | 112      | 112      |
| L4     | 86       | 104       | 104      | 122        | 122       | 180      | 212        | 212      | 212      |
| L5     | 109      | 134       | 134      | 157        | 162       | 230      | 272        | 277      | 277      |
| L6     | 194      | 237       | 237      | 300        | 310       | 411      | 492        | 502      | 502      |
| L7     | 258      | 317       | 317      | 389        | 399       | 533      | 629        | 639      | 639      |
| M      | 4-M10×25 | 4-M10×25  | 4-M10×25 | 4-M12×25   | 4-M12×25  | 6-M16×35 | 6-M20×45   | 6-M20×45 | 6-M20×45 |
| t      | 28       | 33        | 33       | 42.8       | 42.8      | 59       | 63.9       | 63.9     | 63.9     |

## LCY14-1B 轴向柱塞泵

verall dimension of Axial Piston Pump Type LCY14-1B

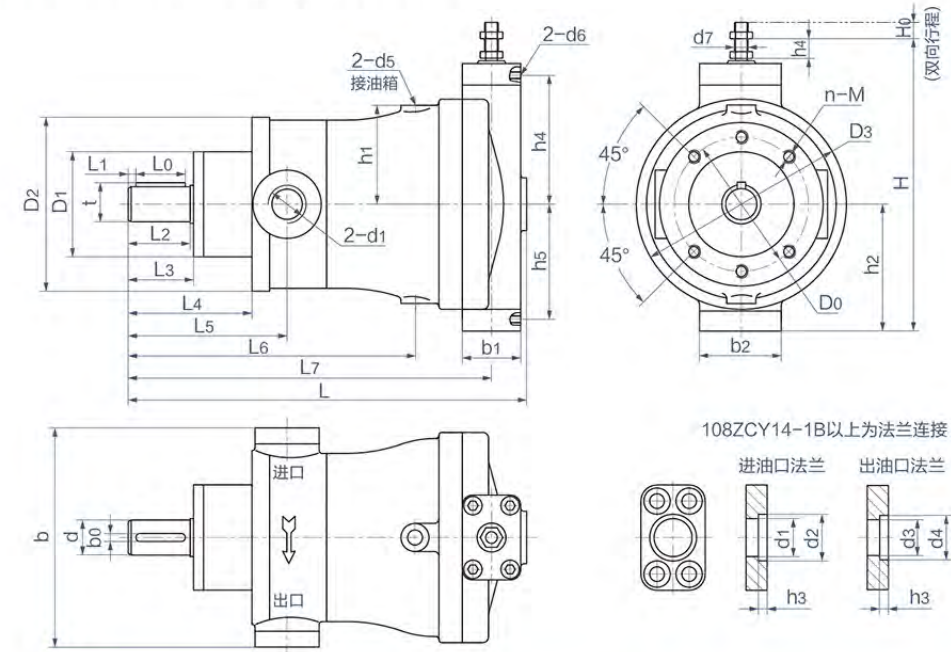


| 尺寸 \ 型号 | 160LCY     | 250LCY     | 400LCY     |
|---------|------------|------------|------------|
| B       | 322        | 385        | 385        |
| b       | 330        | 420        | 420        |
| b0(h9)  | 16         | 18         | 18         |
| b1      | 100        | 100        | 100        |
| b2      | 120        | 140        | 140        |
| D0      | φ 198      | φ 230      | φ 230      |
| D1(f9)  | φ 150      | φ 180      | φ 180      |
| D2      | φ 240      | φ 280      | φ 280      |
| D3      | φ 300      | φ 360      | φ 360      |
| d(h6)   | φ 55       | φ 60       | φ 60       |
| d2(d4)  | φ 64       | φ 81(φ 76) | φ 76       |
| d1(d3)  | φ 55       | φ 75(φ 65) | φ 65       |
| d5      | M22 × 1.5  | M27 × 2    | M27 × 2    |
| d6      | M18 × 1.5  | M18 × 1.5  | M18 × 1.5  |
| H       | 520        | 600        | 600        |
| h1      | 141        | 170        | 170        |
| h2      | 243        | 280        | 280        |
| h3      | 20         | 25         | 25         |
| h4      | 194        | 228        | 228        |
| h5      | 160        | 188        | 188        |
| L       | 595        | 691        | 701        |
| L0      | 100        | 100        | 100        |
| L1      | 4          | 5          | 5          |
| L2      | 106        | 110        | 110        |
| L3      | 110        | 112        | 112        |
| L4      | 180        | 212        | 212        |
| L5      | 230        | 272        | 277        |
| L6      | 411        | 492        | 502        |
| L7      | 533        | 629        | 639        |
| M       | 6-M16 × 35 | 6-M20 × 45 | 6-M20 × 45 |
| t       | 59         | 63.9       | 63.9       |



ZCY14-1B 轴向柱塞泵

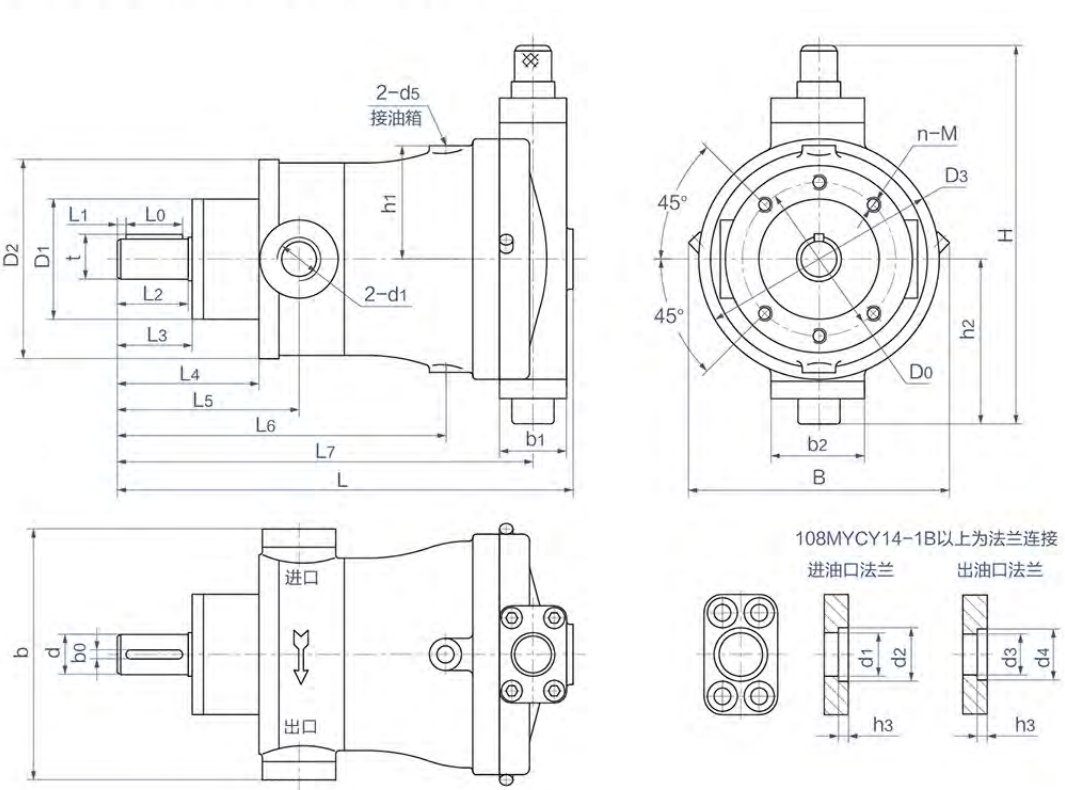
Overall dimension of Axial Piston Pump Type ZCY14-1B



| 尺寸     | 10(16)ZCY | 25ZCY    | (32)40ZCY | 63(80)ZCY  | 108ZCY   | 160ZCY   | 250ZCY     | 400ZCY   |
|--------|-----------|----------|-----------|------------|----------|----------|------------|----------|
| b      | 142       | 172      | 178       | 200        | 270      | 330      | 420        | 420      |
| b0(h9) | 8         | 8        | 8         | 12         | 12       | 16       | 18         | 18       |
| b1     | 50        | 66       | 66        | 74         | 74       | 100      | 100        | 100      |
| b2     | 88        | 100      | 100       | 104        | 104      | 120      | 140        | 140      |
| D0     | φ 100     | φ 125    | φ 125     | φ 155      | φ 155    | φ 198    | φ 230      | φ 230    |
| D1(f9) | φ 75      | φ 100    | φ 100     | φ 120      | φ 120    | φ 150    | φ 180      | φ 180    |
| D2     | φ 125     | φ 150    | φ 150     | φ 190      | φ 190    | φ 240    | φ 280      | φ 280    |
| D3     | φ 150     | φ 170    | φ 170     | φ 225      | φ 225    | φ 300    | φ 360      | φ 360    |
| d(h6)  | φ 25      | φ 30     | φ 30      | φ 40       | φ 40     | φ 55     | φ 60       | φ 60     |
| d2(d4) |           |          |           |            | φ 60     | φ 64     | φ 81(φ 76) | φ 76     |
| d1(d3) | M22×1.5   | M33×2    | M42×2     | M42(M48)×2 | φ 50     | φ 55     | φ 75(φ 65) | φ 65     |
| d5     | M14×1.5   | M14×1.5  | M14×1.5   | M18×1.5    | M22×1.5  | M22×1.5  | M27×2      | M27×2    |
| d6     | M14×1.5   | M14×1.5  | M14×1.5   | M14×1.5    | M14×1.5  | M18×1.5  | M18×1.5    | M18×1.5  |
| d7     | M6        | M8       | M8        | M8         | M8       | M8       | M8         | M8       |
| H      | 235       | 287      | 287       | 336        | 336      | 376      | 437        | 437      |
| H0     | 26        | 34.6     | 34.6      | 41.4       | 41.4     | 45       | 55.6       | 55.6     |
| h1     | 71        | 83       | 83        | 108        | 108      | 141      | 170        | 170      |
| h2     | 94        | 123      | 123       | 142        | 142      | 168      | 203        | 203      |
| h3     |           |          |           |            | 15       | 20       | 25         | 25       |
| h4     | 13        | 20       | 20        | 22         | 22       | 20       | 22         | 22       |
| h5     | 85        | 110      | 110       | 128        | 128      | 155      | 187        | 187      |
| h6     | 95        | 122      | 122       | 144        | 144      | 160      | 193        | 193      |
| L      | 295       | 362      | 362       | 440        | 450      | 595      | 691        | 701      |
| L0     | 30        | 45       | 45        | 50         | 50       | 100      | 100        | 100      |
| L1     | 4         | 4        | 4         | 4          | 4        | 4        | 5          | 5        |
| L2     | 40        | 52       | 52        | 60         | 60       | 106      | 110        | 110      |
| L3     | 41        | 54       | 54        | 62         | 62       | 110      | 112        | 112      |
| L4     | 86        | 104      | 104       | 122        | 122      | 180      | 212        | 212      |
| L5     | 109       | 134      | 134       | 157        | 162      | 230      | 272        | 277      |
| L6     | 194       | 237      | 237       | 300        | 310      | 411      | 492        | 502      |
| L7     | 258       | 317      | 317       | 389        | 399      | 533      | 629        | 639      |
| M      | 4-M10×25  | 4-M10×25 | 4-M10×25  | 4-M12×25   | 4-M12×25 | 6-M16×35 | 6-M20×45   | 6-M20×45 |
| t      | 28        | 33       | 33        | 42.8       | 42.8     | 59       | 63.9       | 63.9     |

MYCY14-1B 轴向柱塞泵

Overall dimension of Axial Piston Pump Type MYCY14-1B

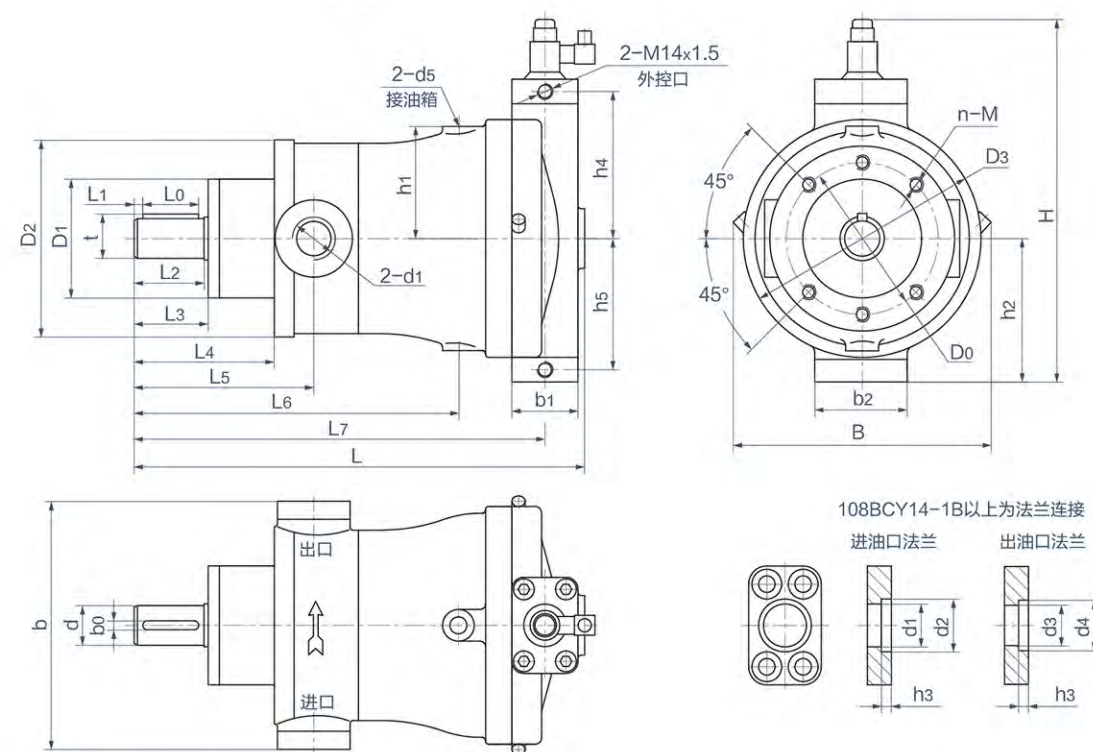


| 尺寸     | 10(16)MYCY | 25MYCY   | (32)40MYCY | 63(80)MYCY | 108MYCY  | 160MYCY  |
|--------|------------|----------|------------|------------|----------|----------|
| B      | 172        | 195      | 195        | 258        | 258      | 322      |
| b      | 142        | 172      | 178        | 200        | 270      | 330      |
| b0(h9) | 8          | 8        | 8          | 12         | 12       | 16       |
| b1     | 50         | 66       | 66         | 74         | 74       | 100      |
| b2     | 88         | 100      | 100        | 104        | 104      | 120      |
| D0     | φ 100      | φ 125    | φ 125      | φ 155      | φ 155    | φ 198    |
| D1(f9) | φ 75       | φ 100    | φ 100      | φ 120      | φ 120    | φ 150    |
| D2     | φ 125      | φ 150    | φ 150      | φ 190      | φ 190    | φ 240    |
| D3     | φ 150      | φ 170    | φ 170      | φ 225      | φ 225    | φ 300    |
| d(h6)  | φ 25       | φ 30     | φ 30       | φ 40       | φ 40     | φ 55     |
| d2(d4) |            |          |            |            | φ 60     | φ 64     |
| d1(d3) | M22×1.5    | M33×2    | M42×2      | M42(M48)×2 | φ 50     | φ 55     |
| d5     | M14×1.5    | M14×1.5  | M14×1.5    | M18×1.5    | M22×1.5  | M22×1.5  |
| H      | 286        | 332      | 332        | 381        | 381      | 487      |
| h1     | 71         | 83       | 83         | 108        | 108      | 141      |
| h2     | 132        | 150      | 150        | 178        | 178      | 207      |
| h3     |            |          |            |            | 15       | 20       |
| L      | 295        | 364      | 364        | 440        | 450      | 595      |
| L0     | 30         | 45       | 45         | 50         | 50       | 100      |
| L1     | 4          | 4        | 4          | 4          | 4        | 4        |
| L2     | 40         | 52       | 52         | 60         | 60       | 106      |
| L3     | 41         | 54       | 54         | 62         | 62       | 110      |
| L4     | 86         | 104      | 104        | 122        | 122      | 180      |
| L5     | 109        | 134      | 134        | 157        | 162      | 230      |
| L6     | 194        | 237      | 237        | 300        | 310      | 411      |
| L7     | 258        | 317      | 317        | 389        | 399      | 533      |
| M      | 4-M10×25   | 4-M10×25 | 4-M10×25   | 4-M12×25   | 4-M12×25 | 6-M16×35 |
| t      | 28         | 33       | 33         | 42.8       | 42.8     | 59       |



## BCY14-1B 外控变量轴向柱塞泵

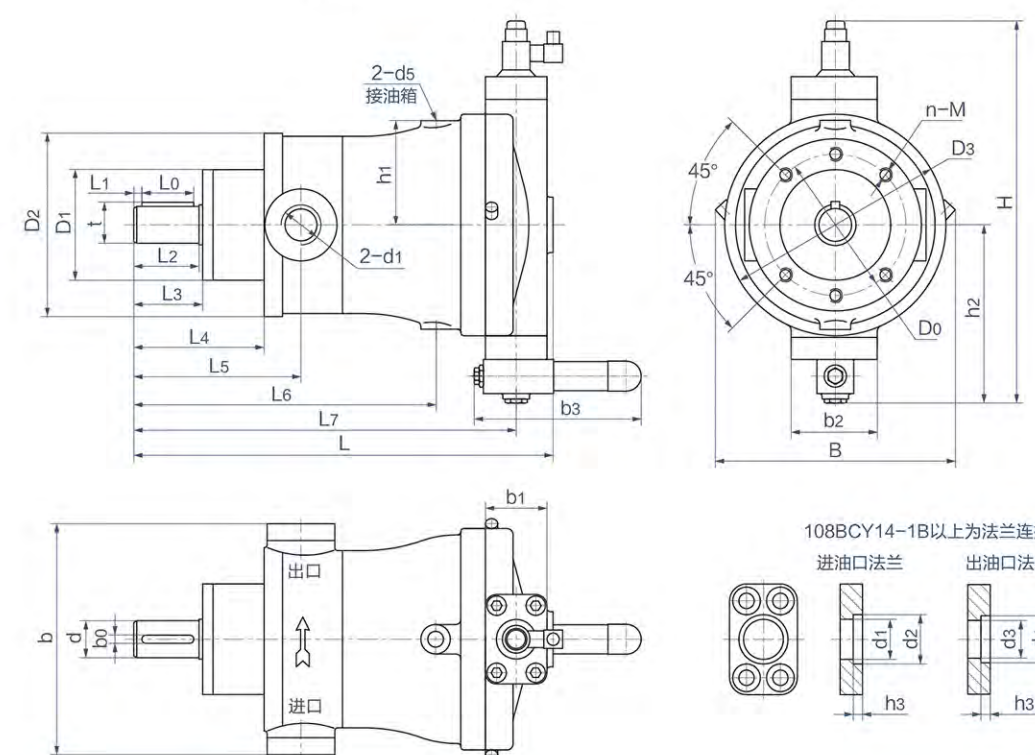
### Overall dimension of Axial Piston Pump Type BCY14-1B



| 尺寸     | 10(16)BCY | 25BCY    | (32)40BCY | 63(80)BCY  | 108BCY   | 160BCY   | 250BCY     | 400BCY   |
|--------|-----------|----------|-----------|------------|----------|----------|------------|----------|
| B      | 172       | 195      | 195       | 258        | 258      | 322      | 385        | 385      |
| b      | 142       | 172      | 178       | 200        | 270      | 330      | 420        | 420      |
| bo(h9) | 8         | 8        | 8         | 12         | 12       | 16       | 18         | 18       |
| b1     | 50        | 66       | 66        | 74         | 74       | 100      | 100        | 100      |
| b2     | 88        | 100      | 100       | 104        | 104      | 120      | 140        | 140      |
| D0     | φ 100     | φ 125    | φ 125     | φ 155      | φ 155    | φ 198    | φ 230      | φ 230    |
| D1(f9) | φ 75      | φ 100    | φ 100     | φ 120      | φ 120    | φ 150    | φ 180      | φ 180    |
| D2     | φ 125     | φ 150    | φ 150     | φ 190      | φ 190    | φ 240    | φ 280      | φ 280    |
| D3     | φ 150     | φ 170    | φ 170     | φ 225      | φ 225    | φ 300    | φ 360      | φ 360    |
| d(h6)  | φ 25      | φ 30     | φ 30      | φ 40       | φ 40     | φ 55     | φ 60       | φ 60     |
| d2(d4) |           |          |           |            | φ 60     | φ 64     | φ 81(φ 76) | φ 76     |
| d1(d3) | M22×1.5   | M33×2    | M42×2     | M42(M48)×2 | φ 50     | φ 55     | φ 75(φ 65) | φ 65     |
| d5     | M14×1.5   | M14×1.5  | M14×1.5   | M18×1.5    | M22×1.5  | M22×1.5  | M27×2      | M27×2    |
| H      | 300       | 318      | 318       | 350        | 350      | 415      | 485        | 485      |
| h1     | 71        | 83       | 83        | 108        | 108      | 141      | 170        | 170      |
| h2     | 104       | 110      | 110       | 140        | 140      | 173      | 210        | 210      |
| h3     |           |          |           |            | 15       | 20       | 25         | 25       |
| h4     | 65        | 80       | 80        | 127        | 127      | 157      | 193        | 193      |
| h5     | 96.5      | 112      | 112       | 126        | 126      | 159      | 193        | 193      |
| L      | 295       | 362      | 362       | 440        | 450      | 595      | 691        | 701      |
| L0     | 30        | 45       | 45        | 50         | 50       | 100      | 100        | 100      |
| L1     | 4         | 4        | 4         | 4          | 4        | 4        | 5          | 5        |
| L2     | 40        | 52       | 52        | 60         | 60       | 106      | 110        | 110      |
| L3     | 41        | 54       | 54        | 62         | 62       | 110      | 112        | 112      |
| L4     | 86        | 104      | 104       | 122        | 122      | 180      | 212        | 212      |
| L5     | 109       | 134      | 134       | 157        | 162      | 230      | 272        | 277      |
| L6     | 194       | 237      | 237       | 300        | 310      | 411      | 492        | 502      |
| L7     | 258       | 317      | 317       | 389        | 399      | 533      | 629        | 639      |
| M      | 4-M10×25  | 4-M10×25 | 4-M10×25  | 4-M12×25   | 4-M12×25 | 6-M16×35 | 6-M20×45   | 6-M20×45 |
| t      | 28        | 33       | 33        | 42.8       | 42.8     | 59       | 63.9       | 63.9     |

## BCY14-1B 内控变量轴向柱塞泵

Overall dimension of Axial Piston Pump Type Internal control BCY14-1B



| 型号                  | 10(16)BCY | 25BCY    | (32)40BCY | 63(80)BCY  | 108BCY   | 160BCY   | 250BCY     | 400BCY   |
|---------------------|-----------|----------|-----------|------------|----------|----------|------------|----------|
| 尺寸                  |           |          |           |            |          |          |            |          |
| B                   | 172       | 195      | 195       | 258        | 258      | 322      | 385        | 385      |
| b                   | 142       | 172      | 178       | 200        | 270      | 330      | 420        | 420      |
| bo(h9)              | 8         | 8        | 8         | 12         | 12       | 16       | 18         | 18       |
| b <sub>1</sub>      | 50        | 66       | 66        | 74         | 74       | 100      | 100        | 100      |
| b <sub>2</sub>      | 88        | 100      | 100       | 104        | 104      | 120      | 140        | 140      |
| b <sub>3</sub>      | 170       | 170      | 170       | 170        | 170      | 170      | 170        | 170      |
| D <sub>0</sub>      | φ 100     | φ 125    | φ 125     | φ 155      | φ 155    | φ 198    | φ 230      | φ 230    |
| D <sub>1</sub> (f9) | φ 75      | φ 100    | φ 100     | φ 120      | φ 120    | φ 150    | φ 180      | φ 180    |
| D <sub>2</sub>      | φ 125     | φ 150    | φ 150     | φ 190      | φ 190    | φ 240    | φ 280      | φ 280    |
| D <sub>3</sub>      | φ 150     | φ 170    | φ 170     | φ 225      | φ 225    | φ 300    | φ 360      | φ 360    |
| d(h6)               | φ 25      | φ 30     | φ 30      | φ 40       | φ 40     | φ 55     | φ 60       | φ 60     |
| d <sub>2</sub> (d4) |           |          |           |            | φ 60     | φ 64     | φ 81(φ 76) | φ 76     |
| d <sub>1</sub> (d3) | M22×1.5   | M33×2    | M42×2     | M42(M48)×2 | φ 50     | φ 55     | φ 75(φ 65) | φ 65     |
| d <sub>5</sub>      | M14×1.5   | M14×1.5  | M14×1.5   | M18×1.5    | M22×1.5  | M22×1.5  | M27×2      | M27×2    |
| H                   | 361       | 393      | 393       | 416        | 416      | 478      | 547        | 547      |
| h <sub>1</sub>      | 71        | 83       | 83        | 108        | 108      | 141      | 170        | 170      |
| h <sub>2</sub>      | 165       | 185      | 185       | 206        | 206      | 236      | 272        | 272      |
| h <sub>3</sub>      |           |          |           |            | 15       | 20       | 25         | 25       |
| L                   | 295       | 362      | 362       | 440        | 450      | 595      | 691        | 701      |
| L <sub>0</sub>      | 30        | 45       | 45        | 50         | 50       | 100      | 100        | 100      |
| L <sub>1</sub>      | 4         | 4        | 4         | 4          | 4        | 4        | 5          | 5        |
| L <sub>2</sub>      | 40        | 52       | 52        | 60         | 60       | 106      | 110        | 110      |
| L <sub>3</sub>      | 41        | 54       | 54        | 62         | 62       | 110      | 112        | 112      |
| L <sub>4</sub>      | 86        | 104      | 104       | 122        | 122      | 180      | 212        | 212      |
| L <sub>5</sub>      | 109       | 134      | 134       | 157        | 162      | 230      | 272        | 277      |
| L <sub>6</sub>      | 194       | 237      | 237       | 300        | 310      | 411      | 492        | 502      |
| L <sub>7</sub>      | 258       | 317      | 317       | 389        | 399      | 533      | 629        | 639      |
| M                   | 4-M10×25  | 4-M10×25 | 4-M10×25  | 4-M12×25   | 4-M12×25 | 6-M16×35 | 6-M20×45   | 6-M20×45 |
| t                   | 28        | 33       | 33        | 42.8       | 42.8     | 59       | 63.9       | 63.9     |



# 油泵电机组

## The oil pump motor combination



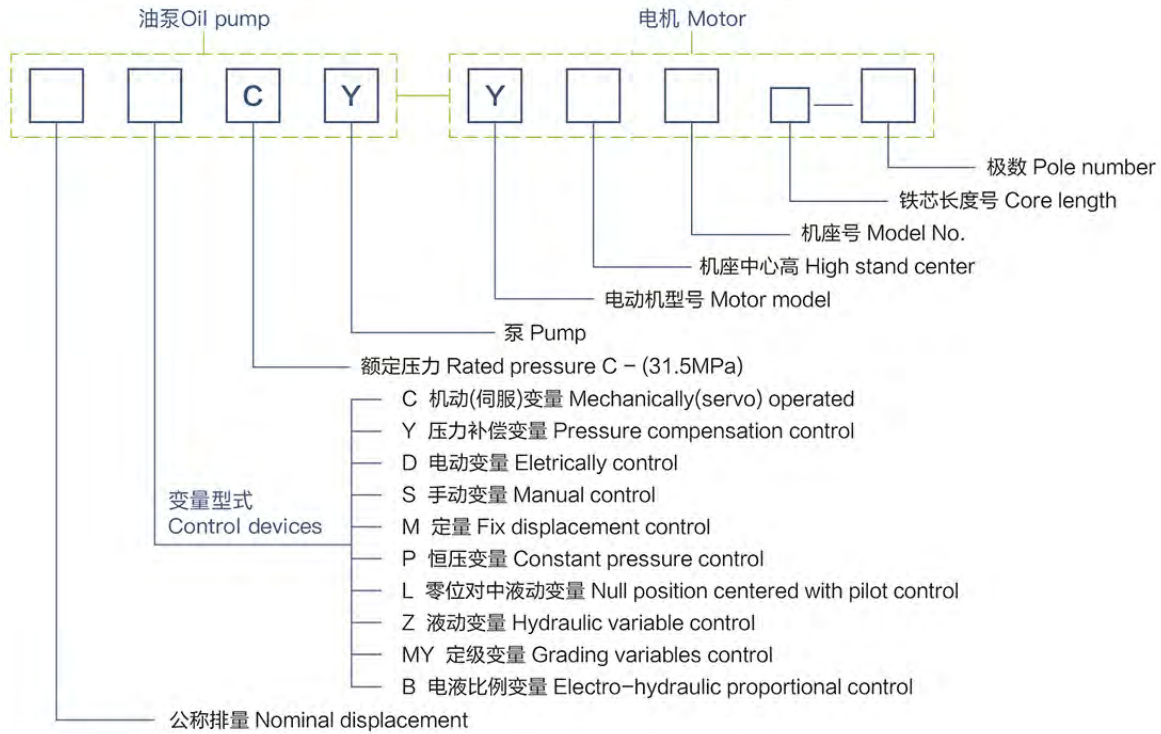
**I 参数表 (理论值) The Parameter List (theoretical values)**

表 1

| 型号<br>Model | 排量<br>displacement | 额定压力<br>Rated power<br>MPa | 额定转速<br>Rated power<br>(r/min) | 功率<br>Power<br>KW | 变量形式<br>Variable form |   |   |   |   |   |   |   |    |   |
|-------------|--------------------|----------------------------|--------------------------------|-------------------|-----------------------|---|---|---|---|---|---|---|----|---|
|             | ml/rev             |                            |                                |                   | C                     | Y | D | S | M | P | L | Z | MY | B |
| 10*CY-Y**   | 10                 | 31.5                       | 1000、1500                      | 2.2~11            | ✓                     | ✓ | ✓ | ✓ | ✓ | ✓ |   | ✓ | ✓  | ✓ |
| 25*CY-Y**   | 25                 |                            | 1000、1500                      | 3~22              | ✓                     | ✓ | ✓ | ✓ | ✓ | ✓ |   | ✓ | ✓  | ✓ |
| 40*CY-Y**   | 40                 |                            | 1000、1500                      | 5.5~22            | ✓                     | ✓ | ✓ | ✓ | ✓ | ✓ |   | ✓ | ✓  | ✓ |
| 63*CY-Y**   | 63                 |                            | 1000、1500                      | 7.5~55            | ✓                     | ✓ | ✓ | ✓ | ✓ | ✓ |   | ✓ | ✓  | ✓ |
| 80*CY-Y**   | 80                 |                            | 1000、1500                      | 7.5~55            | ✓                     | ✓ | ✓ | ✓ | ✓ | ✓ |   | ✓ | ✓  | ✓ |
| 108*CY-Y**  | 108                |                            | 1000、1500                      | 11~55             | ✓                     | ✓ | ✓ | ✓ | ✓ | ✓ |   | ✓ | ✓  | ✓ |
| 160*CY-Y**  | 160                |                            | 1000、1500                      | 22~132            | ✓                     | ✓ | ✓ | ✓ | ✓ | ✓ |   | ✓ | ✓  | ✓ |
| 250*CY-Y**  | 250                | 21                         | 1000、1500                      | 30~132            | ✓                     | ✓ | ✓ | ✓ | ✓ | ✓ |   | ✓ | ✓  | ✓ |
| 400*CY-Y**  | 400                |                            | 1000                           | 37~132            | ✓                     | ✓ | ✓ | ✓ | ✓ | ✓ |   | ✓ | ✓  | ✓ |

备注：表1“✓”者表示我厂可供产品    Note: “✓”Signifes Product availability

**II 型号说明 Ordering code**



**III 外形尺寸 Overall dimension (表 2、3、4)**

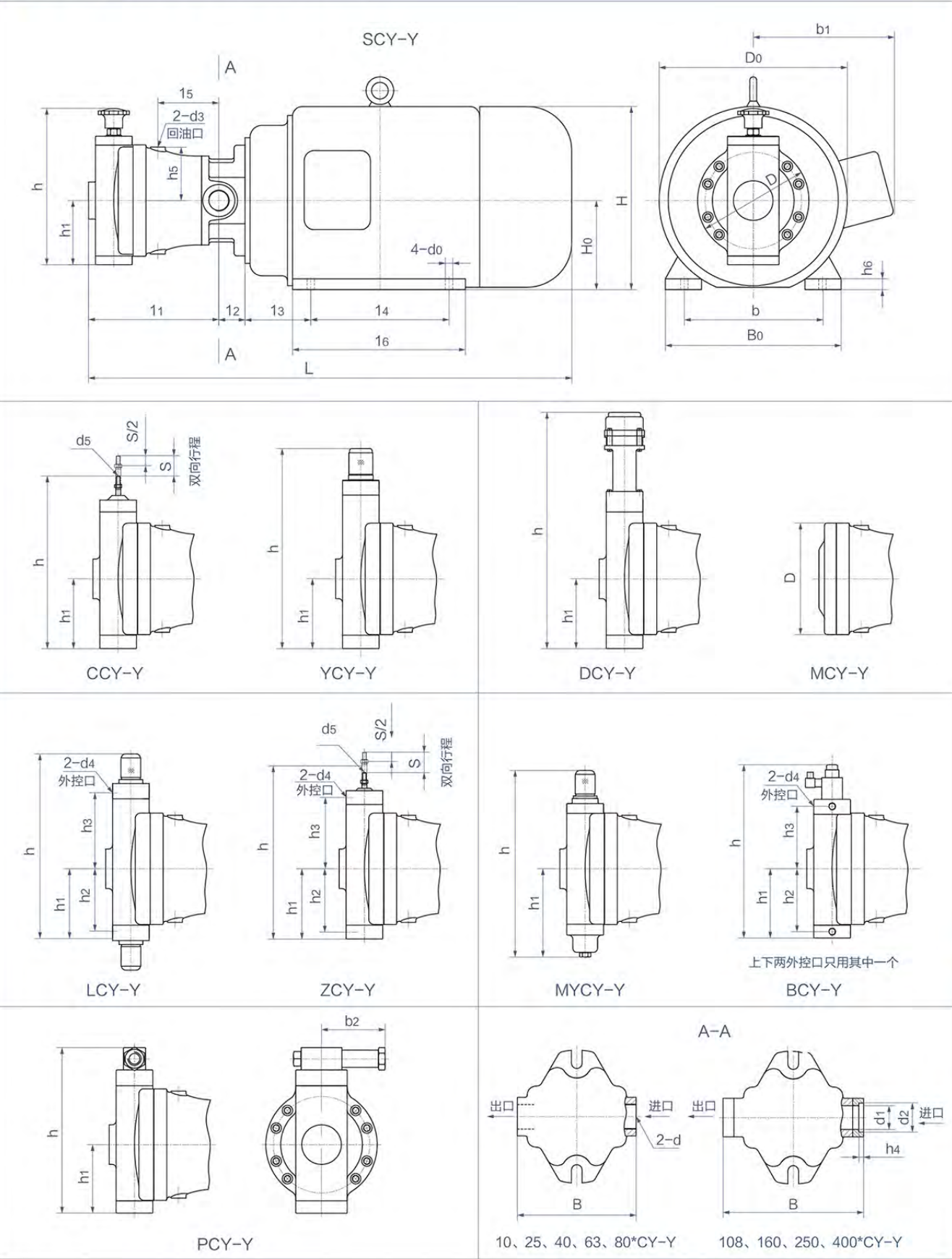






表 2

| 油泵电机组<br>型号                     | 电机<br>功率<br>(Kw) | 同步<br>转速<br>(r/min) | 推荐油泵使用<br>压力和流量   |                     | 油泵<br>变量型式           |   | 安装外形尺寸<br>(mm) |                |                |                |                |                |                |     |                |     |                |                |                |                |     |                |                |
|---------------------------------|------------------|---------------------|-------------------|---------------------|----------------------|---|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----|----------------|-----|----------------|----------------|----------------|----------------|-----|----------------|----------------|
|                                 |                  |                     | 额定<br>压力<br>(MPa) | 最大<br>流量<br>(l/min) | SM<br>CD<br>PL<br>ZB | Y | MY             | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | l <sub>4</sub> | l <sub>5</sub> | l <sub>6</sub> | L   | H <sub>0</sub> | H   | h <sub>5</sub> | h <sub>6</sub> | D <sub>0</sub> | B <sub>0</sub> | b   | b <sub>1</sub> | d <sub>0</sub> |
| 10*CY-<br>Y112M-6               | 2.2              | 1000                | 8                 | 10                  | √                    |   |                | 186            | 40             | 92             | 140            | 85             | 180            | 586 | 112            | 265 | 71             | 15             | 240            | 245            | 190 | 190            | 12             |
|                                 |                  |                     | 8~31.5            | 10~2.5              |                      | √ | √              |                |                |                |                |                |                |     |                |     |                |                |                |                |     |                |                |
| 10*CY-<br>Y132S-6               | 3.0              | 1000                | 12                | 10                  | √                    |   |                | 186            | 40             | 107            | 140            | 85             | 200            | 636 | 132            | 315 | 71             | 18             | 275            | 280            | 216 | 210            | 12             |
|                                 |                  |                     | 12~31.5           | 10~4                |                      | √ |                |                |                |                |                |                |                |     |                |     |                |                |                |                |     |                |                |
| 10*CY-<br>Y132M <sub>1</sub> -6 | 4.0              | 1000                | 20                | 10                  | √                    |   |                | 186            | 40             | 107            | 178            | 85             | 238            | 671 | 132            | 315 | 71             | 18             | 275            | 280            | 216 | 210            | 12             |
| 10*CY-<br>Y132M <sub>2</sub> -6 | 5.5              | 1000                | 25                | 10                  | √                    |   |                | 186            | 40             | 107            | 178            | 85             | 238            | 671 | 132            | 315 | 71             | 18             | 275            | 280            | 216 | 210            | 12             |
| 10*CY-<br>Y160M-6               | 7.5              | 1000                | 31.5              | 10                  | √                    |   |                | 186            | 40             | 119            | 210            | 85             | 270            | 771 | 160            | 385 | 71             | 20             | 335            | 330            | 254 | 265            | 15             |
| 10*CY-<br>Y100L <sub>2</sub> -4 | 3.0              | 1500                | 8                 | 16                  | √                    |   |                | 186            | 40             | 74             | 140            | 85             | 176            | 556 | 100            | 245 | 71             | 14             | 245            | 205            | 160 | 180            | 12             |
|                                 |                  |                     | 8~31.5            | 16~4                |                      | √ | √              |                |                |                |                |                |                |     |                |     |                |                |                |                |     |                |                |
| 10*CY-<br>Y112M-4               | 4.0              | 1500                | 12                | 16                  | √                    |   |                | 186            | 40             | 92             | 140            | 85             | 180            | 586 | 112            | 265 | 71             | 15             | 240            | 245            | 190 | 190            | 12             |
|                                 |                  |                     | 12~31.5           | 16~6                |                      | √ |                |                |                |                |                |                |                |     |                |     |                |                |                |                |     |                |                |
| 10*CY-<br>Y132S-4               | 5.5              | 1500                | 16                | 16                  | √                    |   |                | 186            | 40             | 107            | 140            | 85             | 200            | 636 | 132            | 315 | 71             | 18             | 275            | 280            | 216 | 210            | 12             |
| 10*CY-<br>Y132M-4               | 7.5              | 1500                | 25                | 16                  | √                    |   |                | 186            | 40             | 107            | 178            | 85             | 238            | 671 | 132            | 315 | 71             | 18             | 275            | 280            | 216 | 210            | 12             |
| 10*CY-<br>Y160M-4               | 11               | 1500                | 31.5              | 16                  | √                    |   |                | 186            | 40             | 119            | 210            | 85             | 270            | 771 | 160            | 385 | 71             | 20             | 335            | 330            | 254 | 265            | 15             |
| 25*CY-<br>Y132S-6               | 3.0              | 1000                | 5                 | 25                  | √                    |   |                | 230            | 45             | 107            | 140            | 103            | 200            | 685 | 132            | 315 | 83             | 18             | 275            | 280            | 216 | 210            | 12             |
|                                 |                  |                     | 5~31.5            | 25~4                |                      | √ | √              |                |                |                |                |                |                |     |                |     |                |                |                |                |     |                |                |
| 25*CY-<br>Y132M <sub>1</sub> -6 | 4.0              | 1000                | 8                 | 25                  | √                    |   |                | 230            | 45             | 107            | 178            | 103            | 238            | 720 | 132            | 315 | 83             | 18             | 275            | 280            | 216 | 210            | 12             |
|                                 |                  |                     | 8~31.5            | 25~6                |                      | √ | √              |                |                |                |                |                |                |     |                |     |                |                |                |                |     |                |                |
| 25*CY-<br>Y132M <sub>2</sub> -6 | 5.5              | 1000                | 12                | 25                  | √                    |   |                | 230            | 45             | 107            | 178            | 103            | 238            | 720 | 132            | 315 | 83             | 18             | 275            | 280            | 216 | 210            | 12             |
|                                 |                  |                     | 12~31.5           | 25~10               |                      | √ |                |                |                |                |                |                |                |     |                |     |                |                |                |                |     |                |                |
| 25*CY-<br>Y160M-6               | 7.5              | 1000                | 16                | 25                  | √                    |   |                | 230            | 45             | 119            | 210            | 103            | 270            | 820 | 160            | 385 | 83             | 20             | 335            | 330            | 254 | 265            | 15             |
| 25*CY-<br>Y160L-6               | 11               | 1000                | 25                | 25                  | √                    |   |                | 230            | 45             | 119            | 254            | 103            | 314            | 865 | 160            | 385 | 83             | 20             | 335            | 330            | 254 | 265            | 15             |
| 25*CY-<br>Y180L-6               | 15               | 1000                | 31.5              | 25                  | √                    |   |                | 230            | 45             | 133            | 279            | 103            | 349            | 935 | 180            | 430 | 83             | 22             | 380            | 355            | 279 | 285            | 15             |
| 25*CY-<br>Y112M-4               | 4.0              | 1500                | 5                 | 40                  | √                    |   |                | 230            | 45             | 92             | 140            | 103            | 180            | 635 | 112            | 265 | 83             | 15             | 240            | 245            | 190 | 190            | 12             |
|                                 |                  |                     | 5~31.5            | 40~6                |                      | √ | √              |                |                |                |                |                |                |     |                |     |                |                |                |                |     |                |                |

表 2

| 油泵电机组<br>型号        | 电机<br>功率<br>(Kw) | 同步<br>转速<br>(r/min) | 推荐油泵使用<br>压力和流量   |                     | 油泵<br>变量型式           |   |    | 安装外形尺寸<br>(mm) |                |                |                |                |                |     |                |     |                |                |                |                |     |                |                |
|--------------------|------------------|---------------------|-------------------|---------------------|----------------------|---|----|----------------|----------------|----------------|----------------|----------------|----------------|-----|----------------|-----|----------------|----------------|----------------|----------------|-----|----------------|----------------|
|                    |                  |                     | 额定<br>压力<br>(MPa) | 最大<br>流量<br>(l/min) | SM<br>CD<br>PL<br>ZB | Y | MY | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | l <sub>4</sub> | l <sub>5</sub> | l <sub>6</sub> | L   | H <sub>0</sub> | H   | h <sub>5</sub> | h <sub>6</sub> | D <sub>0</sub> | B <sub>0</sub> | b   | b <sub>1</sub> | d <sub>0</sub> |
| 25*CY-<br>Y132S-4  | 5.5              | 1500                | 8                 | 40                  | √                    |   |    | 230            | 45             | 107            | 140            | 103            | 200            | 685 | 132            | 315 | 83             | 18             | 275            | 280            | 216 | 210            | 12             |
|                    |                  |                     | 8~31.5            | 40~10               |                      | √ | √  |                |                |                |                |                |                |     |                |     |                |                |                |                |     |                |                |
| 25*CY-<br>Y132M-4  | 7.5              | 1500                | 12                | 40                  | √                    |   |    | 230            | 45             | 107            | 178            | 103            | 238            | 720 | 132            | 315 | 83             | 18             | 275            | 280            | 216 | 210            | 12             |
|                    |                  |                     | 12~31.5           | 40~15               |                      | √ |    |                |                |                |                |                |                |     |                |     |                |                |                |                |     |                |                |
| 25*CY-<br>Y160M-4  | 11               | 1500                | 16                | 40                  | √                    |   |    | 230            | 45             | 119            | 210            | 103            | 270            | 820 | 160            | 385 | 83             | 20             | 335            | 330            | 254 | 265            | 15             |
| 25*CY-<br>Y160L-4  | 15               | 1500                | 21                | 40                  | √                    |   |    | 230            | 45             | 119            | 254            | 103            | 314            | 865 | 160            | 385 | 83             | 20             | 335            | 330            | 254 | 265            | 15             |
| 25*CY-<br>Y180M-4  | 18.5             | 1500                | 25                | 40                  | √                    |   |    | 230            | 45             | 133            | 241            | 103            | 311            | 885 | 180            | 430 | 83             | 22             | 380            | 355            | 279 | 285            | 15             |
| 25*CY-<br>Y180L-4  | 22               | 1500                | 31.5              | 40                  | √                    |   |    | 230            | 45             | 133            | 279            | 103            | 349            | 935 | 180            | 430 | 83             | 22             | 380            | 355            | 279 | 285            | 15             |
| 40*CY-<br>Y132M1-6 | 4.0              | 1000                | 5                 | 40                  | √                    |   |    | 230            | 45             | 107            | 178            | 103            | 238            | 720 | 132            | 315 | 83             | 18             | 275            | 280            | 216 | 210            | 12             |
|                    |                  |                     | 5~31.5            | 40~6                |                      | √ | √  |                |                |                |                |                |                |     |                |     |                |                |                |                |     |                |                |
| 40*CY-<br>Y132M2-6 | 5.5              | 1000                | 7                 | 40                  | √                    |   |    | 230            | 45             | 107            | 178            | 103            | 238            | 720 | 132            | 315 | 83             | 18             | 275            | 280            | 216 | 210            | 12             |
|                    |                  |                     | 7~31.5            | 40~10               |                      | √ | √  |                |                |                |                |                |                |     |                |     |                |                |                |                |     |                |                |
| 40*CY-<br>Y160M-6  | 7.5              | 1000                | 10                | 40                  | √                    |   |    | 230            | 45             | 119            | 210            | 103            | 270            | 820 | 160            | 385 | 83             | 20             | 335            | 330            | 254 | 265            | 15             |
|                    |                  |                     | 10~31.5           | 40~12               |                      | √ |    |                |                |                |                |                |                |     |                |     |                |                |                |                |     |                |                |
| 40*CY-<br>Y160L-6  | 11               | 1000                | 15                | 40                  | √                    |   |    | 230            | 45             | 119            | 254            | 103            | 314            | 865 | 160            | 385 | 83             | 20             | 335            | 330            | 254 | 265            | 15             |
| 40*CY-<br>Y180L-6  | 15               | 1000                | 20                | 40                  | √                    |   |    | 230            | 45             | 133            | 279            | 103            | 349            | 935 | 180            | 430 | 83             | 22             | 380            | 355            | 279 | 285            | 15             |
| 40*CY-<br>Y200L1-6 | 18.5             | 1000                | 25                | 40                  | √                    |   |    | 230            | 45             | 150            | 305            | 103            | 379            | 950 | 200            | 475 | 83             | 25             | 420            | 395            | 318 | 315            | 19             |
| 40*CY-<br>Y200L2-6 | 22               | 1000                | 31.5              | 40                  | √                    |   |    | 230            | 45             | 150            | 305            | 103            | 379            | 950 | 200            | 475 | 83             | 25             | 420            | 395            | 318 | 315            | 19             |
| 40*CY-<br>Y132S-4  | 5.5              | 1500                | 5                 | 60                  | √                    |   |    | 230            | 45             | 107            | 140            | 103            | 200            | 685 | 132            | 315 | 83             | 18             | 275            | 280            | 216 | 210            | 12             |
|                    |                  |                     | 5~31.5            | 60~10               |                      | √ | √  |                |                |                |                |                |                |     |                |     |                |                |                |                |     |                |                |
| 40*CY-<br>Y132M-4  | 7.5              | 1500                | 7                 | 60                  | √                    |   |    | 230            | 45             | 107            | 178            | 103            | 238            | 720 | 132            | 315 | 83             | 18             | 275            | 280            | 216 | 210            | 12             |
|                    |                  |                     | 7~31.5            | 60~12               |                      | √ | √  |                |                |                |                |                |                |     |                |     |                |                |                |                |     |                |                |
| 40*CY-<br>Y160M-4  | 11               | 1500                | 10                | 60                  | √                    |   |    | 230            | 45             | 119            | 210            | 103            | 270            | 820 | 160            | 385 | 83             | 20             | 335            | 330            | 254 | 265            | 15             |
|                    |                  |                     | 10~31.5           | 60~18               |                      |   |    |                |                |                |                |                |                |     |                |     |                |                |                |                |     |                |                |
| 40*CY-<br>Y160L-4  | 15               | 1500                | 14                | 60                  | √                    |   |    | 230            | 45             | 119            | 254            | 103            | 314            | 865 | 160            | 385 | 83             | 20             | 335            | 330            | 254 | 265            | 15             |
| 40*CY-<br>Y180M-4  | 18.5             | 1500                | 17                | 60                  | √                    |   |    | 230            | 45             | 133            | 241            | 103            | 311            | 885 | 180            | 430 | 83             | 22             | 380            | 355            | 279 | 285            | 15             |
| 40*CY-<br>Y180L-4  | 22               | 1500                | 20                | 60                  | √                    |   |    | 230            | 45             | 133            | 279            | 103            | 349            | 935 | 180            | 430 | 83             | 22             | 380            | 355            | 279 | 285            | 15             |





表 2

| 油泵电机组<br>型号        | 电机<br>功率<br>(Kw) | 同步<br>转速<br>(r/min) | 推荐油泵使用<br>压力和流量   |                     | 油泵<br>变量型式           |   | 安装外形尺寸<br>(mm) |     |    |     |     |     |     |      |     |     |     |    |     |     |     |     |    |
|--------------------|------------------|---------------------|-------------------|---------------------|----------------------|---|----------------|-----|----|-----|-----|-----|-----|------|-----|-----|-----|----|-----|-----|-----|-----|----|
|                    |                  |                     | 额定<br>压力<br>(MPa) | 最大<br>流量<br>(l/min) | SM<br>CD<br>PL<br>ZB | Y | MY             | I1  | I2 | I3  | I4  | I5  | I6  | L    | H0  | H   | h5  | h6 | D0  | B0  | b   | b1  | d0 |
| 63*CY-<br>Y160M-6  | 7.5              | 1000                | 6.3               | 63                  | √                    |   |                |     |    |     |     |     |     |      |     |     |     |    |     |     |     |     |    |
|                    |                  |                     | 6.3~31.5          | 63~12               |                      | √ | √              | 283 | 53 | 119 | 210 | 143 | 270 | 881  | 160 | 385 | 108 | 20 | 335 | 330 | 254 | 265 | 15 |
| 63*CY-<br>Y160L-6  | 11               | 1000                | 10                | 63                  | √                    |   |                |     |    |     |     |     |     |      |     |     |     |    |     |     |     |     |    |
|                    |                  |                     | 10~31.5           | 63~20               |                      | √ | √              | 283 | 53 | 119 | 254 | 143 | 314 | 926  | 160 | 385 | 108 | 20 | 335 | 330 | 254 | 265 | 15 |
| 63*CY-<br>Y180L-6  | 15               | 1000                | 12                | 63                  | √                    |   |                |     |    |     |     |     |     |      |     |     |     |    |     |     |     |     |    |
|                    |                  |                     | 12~31.5           | 63~25               |                      | √ |                | 283 | 53 | 133 | 279 | 143 | 349 | 996  | 180 | 430 | 108 | 22 | 380 | 355 | 279 | 285 | 15 |
| 63*CY-<br>Y200L1-6 | 18.5             | 1000                | 16                | 63                  | √                    |   |                | 283 | 53 | 150 | 305 | 143 | 379 | 1011 | 200 | 475 | 108 | 25 | 420 | 395 | 318 | 315 | 19 |
| 63*CY-<br>Y200L2-6 | 22               | 1000                | 20                | 63                  | √                    |   |                | 283 | 53 | 150 | 305 | 143 | 379 | 1011 | 200 | 475 | 108 | 25 | 420 | 395 | 318 | 315 | 19 |
| 63*CY-<br>Y225M-6  | 30               | 1000                | 25                | 63                  | √                    |   |                | 283 | 53 | 143 | 311 | 143 | 393 | 1041 | 225 | 530 | 108 | 28 | 475 | 435 | 356 | 345 | 19 |
| 63*CY-<br>Y250M-6  | 37               | 1000                | 31.5              | 63                  | √                    |   |                | 283 | 53 | 161 | 349 | 143 | 455 | 1120 | 250 | 575 | 108 | 30 | 515 | 490 | 406 | 385 | 24 |
| 63*CY-<br>Y160M-4  | 11               | 1500                | 6.3               | 100                 | √                    |   |                |     |    |     |     |     |     |      |     |     |     |    |     |     |     |     |    |
|                    |                  |                     | 6.3~31.5          | 100~20              |                      | √ | √              | 283 | 53 | 119 | 210 | 143 | 270 | 881  | 160 | 385 | 108 | 20 | 335 | 330 | 254 | 265 | 15 |
| 63*CY-<br>Y160L-4  | 15               | 1500                | 8.5               | 100                 | √                    |   |                |     |    |     |     |     |     |      |     |     |     |    |     |     |     |     |    |
|                    |                  |                     | 8.5~31.5          | 100~25              |                      | √ | √              | 283 | 53 | 119 | 254 | 143 | 314 | 926  | 160 | 385 | 108 | 20 | 335 | 330 | 254 | 265 | 15 |
| 63*CY-<br>Y180M-4  | 18.5             | 1500                | 10                | 100                 | √                    |   |                |     |    |     |     |     |     |      |     |     |     |    |     |     |     |     |    |
|                    |                  |                     | 10~31.5           | 100~32              |                      | √ |                | 283 | 53 | 133 | 241 | 143 | 311 | 938  | 180 | 430 | 108 | 22 | 380 | 355 | 279 | 285 | 15 |
| 63*CY-<br>Y180L-4  | 22               | 1500                | 12                | 100                 | √                    |   |                |     |    |     |     |     |     |      |     |     |     |    |     |     |     |     |    |
|                    |                  |                     | 12~31.5           | 100~40              |                      | √ |                | 283 | 53 | 133 | 279 | 143 | 349 | 996  | 180 | 430 | 108 | 22 | 380 | 355 | 279 | 285 | 15 |
| 63*CY-<br>Y200L-4  | 30               | 1500                | 16                | 100                 | √                    |   |                | 283 | 53 | 150 | 305 | 143 | 379 | 1011 | 200 | 475 | 108 | 25 | 420 | 395 | 318 | 315 | 19 |
| 63*CY-<br>Y225S-4  | 37               | 1500                | 20                | 100                 | √                    |   |                | 283 | 53 | 143 | 286 | 143 | 368 | 1016 | 225 | 530 | 108 | 28 | 475 | 435 | 356 | 345 | 19 |
| 63*CY-<br>Y225M-4  | 45               | 1500                | 25                | 100                 | √                    |   |                | 283 | 53 | 143 | 311 | 143 | 393 | 1041 | 225 | 530 | 108 | 28 | 475 | 435 | 356 | 345 | 19 |
| 63*CY-<br>Y250M-4  | 55               | 1500                | 31.5              | 100                 | √                    |   |                | 283 | 53 | 161 | 349 | 143 | 455 | 1120 | 250 | 575 | 108 | 30 | 515 | 490 | 406 | 385 | 24 |
| 80*CY-<br>Y160M-6  | 7.5              | 1000                | 5                 | 80                  | √                    |   |                |     |    |     |     |     |     |      |     |     |     |    |     |     |     |     |    |
|                    |                  |                     | 5~31.5            | 80~12               |                      | √ | √              | 283 | 53 | 119 | 210 | 143 | 270 | 881  | 160 | 385 | 108 | 20 | 335 | 330 | 254 | 265 | 15 |
| 80*CY-<br>Y160L-6  | 11               | 1000                | 7.5               | 80                  | √                    |   |                |     |    |     |     |     |     |      |     |     |     |    |     |     |     |     |    |
|                    |                  |                     | 7.5~31.5          | 80~18               |                      | √ | √              | 283 | 53 | 119 | 254 | 143 | 314 | 926  | 160 | 385 | 108 | 20 | 335 | 330 | 254 | 265 | 15 |

表 2

| 油泵电机组<br>型号        | 电机<br>功率<br>(Kw) | 同步<br>转速<br>(r/min) | 推荐油泵使用<br>压力和流量   |                     | 油泵<br>变量型式           |   | 安装外形尺寸<br>(mm) |     |    |     |     |     |     |      |     |     |     |    |     |     |     |     |    |
|--------------------|------------------|---------------------|-------------------|---------------------|----------------------|---|----------------|-----|----|-----|-----|-----|-----|------|-----|-----|-----|----|-----|-----|-----|-----|----|
|                    |                  |                     | 额定<br>压力<br>(MPa) | 最大<br>流量<br>(l/min) | SM<br>CD<br>PL<br>ZB | Y | MY             | I1  | I2 | I3  | I4  | I5  | I6  | L    | H0  | H   | h5  | h6 | D0  | B0  | b   | b1  | d0 |
| 80*CY-<br>Y180L-6  | 15               | 1000                | 10                | 80                  | √                    |   |                |     |    |     |     |     |     |      |     |     |     |    |     |     |     |     |    |
|                    |                  |                     | 10~31.5           | 80~25               |                      | √ |                | 283 | 53 | 133 | 279 | 143 | 349 | 996  | 180 | 430 | 108 | 22 | 380 | 355 | 279 | 285 | 15 |
| 80*CY-<br>Y200L1-6 | 18.5             | 1000                | 12                | 80                  | √                    |   |                |     |    |     |     |     |     |      |     |     |     |    |     |     |     |     |    |
|                    |                  |                     | 12~31.5           | 80~30               |                      |   |                | 283 | 53 | 150 | 305 | 143 | 379 | 1011 | 200 | 475 | 108 | 25 | 420 | 395 | 318 | 315 | 19 |
| 80*CY-<br>Y200L2-6 | 22               | 1000                | 15                | 80                  | √                    |   |                | 283 | 53 | 150 | 305 | 143 | 379 | 1011 | 200 | 475 | 108 | 25 | 420 | 395 | 318 | 315 | 19 |
| 80*CY-<br>Y225M-6  | 30               | 1000                | 20                | 80                  | √                    |   |                | 283 | 53 | 143 | 311 | 143 | 393 | 1041 | 225 | 530 | 108 | 28 | 475 | 435 | 356 | 345 | 19 |
| 80*CY-<br>Y250M-6  | 37               | 1000                | 25                | 80                  | √                    |   |                | 283 | 53 | 161 | 349 | 143 | 455 | 1120 | 250 | 575 | 108 | 30 | 515 | 490 | 406 | 385 | 24 |
| 80*CY-<br>Y280S-6  | 45               | 1000                | 31.5              | 80                  | √                    |   |                | 283 | 53 | 200 | 368 | 143 | 530 | 1212 | 280 | 640 | 108 | 35 | 580 | 550 | 457 | 410 | 24 |
| 80*CY-<br>Y160M-4  | 11               | 1500                | 5                 | 120                 | √                    |   |                |     |    |     |     |     |     |      |     |     |     |    |     |     |     |     |    |
|                    |                  |                     | 5~31.5            | 120~18              |                      | √ | √              | 283 | 53 | 119 | 210 | 143 | 270 | 881  | 160 | 385 | 108 | 20 | 335 | 330 | 254 | 265 | 15 |
| 80*CY-<br>Y160L-4  | 15               | 1500                | 7                 | 120                 | √                    |   |                |     |    |     |     |     |     |      |     |     |     |    |     |     |     |     |    |
|                    |                  |                     | 7~31.5            | 120~25              |                      | √ | √              | 283 | 53 | 119 | 254 | 143 | 314 | 926  | 160 | 385 | 108 | 20 | 335 | 330 | 254 | 265 | 15 |
| 80*CY-<br>Y180M-4  | 18.5             | 1500                | 8.5               | 120                 | √                    |   |                |     |    |     |     |     |     |      |     |     |     |    |     |     |     |     |    |
|                    |                  |                     | 8.5~31.5          | 120~32              |                      | √ | √              | 283 | 53 | 133 | 241 | 143 | 311 | 938  | 180 | 430 | 108 | 22 | 380 | 355 | 279 | 285 | 15 |
| 80*CY-<br>Y180L-4  | 22               | 1500                | 10                | 120                 | √                    |   |                |     |    |     |     |     |     |      |     |     |     |    |     |     |     |     |    |
|                    |                  |                     | 10~31.5           | 120~38              |                      | √ |                | 283 | 53 | 133 | 279 | 143 | 349 | 996  | 180 | 430 | 108 | 22 | 380 | 355 | 279 | 285 | 15 |
| 80*CY-<br>Y200L-4  | 30               | 1500                | 13                | 120                 | √                    |   |                |     |    |     |     |     |     |      |     |     |     |    |     |     |     |     |    |
|                    |                  |                     | 13~31.5           | 120~52              |                      | √ |                | 283 | 53 | 150 | 305 | 143 | 379 | 1011 | 200 | 475 | 108 | 25 | 420 | 395 | 318 | 315 | 19 |
| 80*CY-<br>Y225S-4  | 37               | 1500                | 16                | 120                 | √                    |   |                | 283 | 53 | 143 | 286 | 143 | 368 | 1016 | 225 | 530 | 108 | 28 | 475 | 435 | 356 | 345 | 19 |
| 80*CY-<br>Y225M-4  | 45               | 1500                | 20                | 120                 | √                    |   |                | 283 | 53 | 143 | 311 | 143 | 393 | 1041 | 225 | 530 | 108 | 28 | 475 | 435 | 356 | 345 | 19 |
| 80*CY-<br>Y250M-4  | 55               | 1500                | 25                | 120                 | √                    |   |                | 283 | 53 | 161 | 349 | 143 | 455 | 1120 | 250 | 575 | 108 | 30 | 515 | 490 | 406 | 385 | 24 |
| 108*CY-<br>Y160L-6 | 11               | 1000                | 5                 | 108                 | √                    |   |                |     |    |     |     |     |     |      |     |     |     |    |     |     |     |     |    |
|                    |                  |                     | 5~31.5            | 108~16              |                      | √ | √              | 288 | 55 | 119 | 254 | 143 | 314 | 933  | 160 | 385 | 108 | 20 | 335 | 330 | 254 | 265 | 15 |
| 108*CY-<br>Y180L-6 | 15               | 1000                | 7                 | 108                 | √                    |   |                |     |    |     |     |     |     |      |     |     |     |    |     |     |     |     |    |
|                    |                  |                     | 7~31.5            | 108~22              |                      | √ | √              | 288 | 55 | 133 | 279 | 143 | 349 | 1003 | 180 | 430 | 108 | 22 | 380 | 355 | 279 | 285 | 15 |





表 2

| 油泵电机组<br>型号         | 电机<br>功率<br>(Kw) | 同步<br>转速<br>(r/min) | 推荐油泵使用<br>压力和流量   |                     | 油泵<br>变量型式           |   | 安装外形尺寸<br>(mm) |     |    |     |     |     |     |      |     |     |     |    |     |     |     |     |    |
|---------------------|------------------|---------------------|-------------------|---------------------|----------------------|---|----------------|-----|----|-----|-----|-----|-----|------|-----|-----|-----|----|-----|-----|-----|-----|----|
|                     |                  |                     | 额定<br>压力<br>(MPa) | 最大<br>流量<br>(l/min) | SM<br>CD<br>PL<br>ZB | Y | MY             | I1  | I2 | I3  | I4  | I5  | I6  | L    | H0  | H   | h5  | h6 | D0  | B0  | b   | b1  | d0 |
| 108*CY-<br>Y200L1-6 | 18.5             | 1000                | 9                 | 108                 | √                    |   |                |     |    |     |     |     |     |      |     |     |     |    |     |     |     |     |    |
|                     |                  |                     | 9~31.5            | 108~30              |                      | √ | √              | 288 | 55 | 150 | 305 | 143 | 379 | 1018 | 200 | 475 | 108 | 25 | 420 | 395 | 318 | 315 | 19 |
| 108*CY-<br>Y200L2-6 | 22               | 1000                | 11                | 108                 | √                    |   |                |     |    |     |     |     |     |      |     |     |     |    |     |     |     |     |    |
|                     |                  |                     | 11~31.5           | 108~40              |                      | √ |                | 288 | 55 | 150 | 305 | 143 | 379 | 1018 | 200 | 475 | 108 | 25 | 420 | 395 | 318 | 315 | 19 |
| 108*CY-<br>Y225M-6  | 30               | 1000                | 15                | 108                 | √                    |   |                | 288 | 55 | 143 | 311 | 143 | 393 | 1048 | 225 | 530 | 108 | 28 | 475 | 435 | 356 | 345 | 19 |
| 108*CY-<br>Y250M-6  | 37               | 1000                | 18                | 108                 | √                    |   |                | 288 | 55 | 161 | 349 | 143 | 455 | 1127 | 250 | 575 | 108 | 30 | 515 | 490 | 406 | 385 | 24 |
| 108*CY-<br>Y280S-6  | 45               | 1000                | 22                | 108                 | √                    |   |                | 288 | 55 | 200 | 368 | 143 | 530 | 1219 | 280 | 640 | 108 | 35 | 580 | 550 | 457 | 410 | 24 |
| 108*CY-<br>Y160L-4  | 15               | 1500                | 5                 | 162                 | √                    |   |                |     |    |     |     |     |     |      |     |     |     |    |     |     |     |     |    |
|                     |                  |                     | 5~31.5            | 162~25              |                      | √ | √              | 288 | 55 | 119 | 210 | 143 | 270 | 888  | 160 | 385 | 108 | 20 | 335 | 330 | 254 | 265 | 15 |
| 108*CY-<br>Y180M-4  | 18.5             | 1500                | 6                 | 162                 | √                    |   |                |     |    |     |     |     |     |      |     |     |     |    |     |     |     |     |    |
|                     |                  |                     | 6~31.5            | 162~32              |                      | √ | √              | 288 | 55 | 133 | 241 | 143 | 311 | 945  | 180 | 430 | 108 | 22 | 380 | 355 | 279 | 285 | 15 |
| 108*CY-<br>Y180L-4  | 22               | 1500                | 7                 | 162                 | √                    |   |                |     |    |     |     |     |     |      |     |     |     |    |     |     |     |     |    |
|                     |                  |                     | 7~31.5            | 162~40              |                      | √ | √              | 288 | 55 | 133 | 279 | 143 | 349 | 1003 | 180 | 430 | 108 | 22 | 380 | 355 | 279 | 285 | 15 |
| 108*CY-<br>Y200L-4  | 30               | 1500                | 10                | 162                 | √                    |   |                |     |    |     |     |     |     |      |     |     |     |    |     |     |     |     |    |
|                     |                  |                     | 10~31.5           | 162~55              |                      | √ |                | 288 | 55 | 150 | 305 | 143 | 379 | 1018 | 200 | 475 | 108 | 25 | 420 | 395 | 318 | 315 | 19 |
| 108*CY-<br>Y225S-4  | 37               | 1500                | 12                | 162                 | √                    |   |                |     |    |     |     |     |     |      |     |     |     |    |     |     |     |     |    |
|                     |                  |                     | 12~31.5           | 162~65              |                      | √ |                | 288 | 55 | 143 | 286 | 143 | 368 | 1023 | 225 | 530 | 108 | 28 | 475 | 435 | 356 | 345 | 19 |
| 108*CY-<br>Y225M-4  | 45               | 1500                | 15                | 162                 | √                    |   |                | 288 | 55 | 143 | 311 | 143 | 393 | 1048 | 225 | 530 | 108 | 28 | 475 | 435 | 356 | 345 | 19 |
| 108*CY-<br>Y250M-4  | 55               | 1500                | 18                | 162                 | √                    |   |                | 288 | 55 | 161 | 349 | 143 | 455 | 1127 | 250 | 575 | 108 | 30 | 515 | 490 | 406 | 385 | 24 |
| 160*CY-<br>Y200L1-6 | 18.5             | 1000                | 6                 | 160                 | √                    |   |                |     |    |     |     |     |     |      |     |     |     |    |     |     |     |     |    |
|                     |                  |                     | 6~31.5            | 160~30              |                      | √ | √              | 365 | 59 | 150 | 305 | 181 | 379 | 1099 | 200 | 475 | 141 | 25 | 420 | 395 | 318 | 315 | 19 |
| 160*CY-<br>Y200L2-6 | 22               | 1000                | 7.5               | 160                 | √                    |   |                |     |    |     |     |     |     |      |     |     |     |    |     |     |     |     |    |
|                     |                  |                     | 7.5~31.5          | 160~35              |                      | √ | √              | 365 | 59 | 150 | 305 | 181 | 379 | 1099 | 200 | 475 | 141 | 25 | 420 | 395 | 318 | 315 | 19 |
| 160*CY-<br>Y225M-6  | 30               | 1000                | 10                | 160                 | √                    |   |                |     |    |     |     |     |     |      |     |     |     |    |     |     |     |     |    |
|                     |                  |                     | 10~31.5           | 160~50              |                      | √ |                | 365 | 59 | 143 | 311 | 181 | 393 | 1129 | 225 | 530 | 141 | 28 | 475 | 435 | 356 | 345 | 19 |

表 2

| 油泵电机组<br>型号        | 电机<br>功率<br>(Kw) | 同步<br>转速<br>(r/min) | 推荐油泵使用<br>压力和流量   |                     | 油泵<br>变量型式           |   | 安装外形尺寸<br>(mm) |     |    |     |     |     |     |      |     |     |     |    |     |     |     |     |    |
|--------------------|------------------|---------------------|-------------------|---------------------|----------------------|---|----------------|-----|----|-----|-----|-----|-----|------|-----|-----|-----|----|-----|-----|-----|-----|----|
|                    |                  |                     | 额定<br>压力<br>(MPa) | 最大<br>流量<br>(l/min) | SM<br>CD<br>PL<br>ZB | Y | MY             | I1  | I2 | I3  | I4  | I5  | I6  | L    | H0  | H   | h5  | h6 | D0  | B0  | b   | b1  | d0 |
| 160*CY-<br>Y250M-6 | 37               | 1000                | 12                | 160                 | √                    |   |                |     |    |     |     |     |     |      |     |     |     |    |     |     |     |     |    |
|                    |                  |                     | 12~31.5           | 160~60              |                      | √ |                | 365 | 59 | 161 | 349 | 181 | 455 | 1208 | 250 | 575 | 141 | 30 | 515 | 490 | 406 | 385 | 24 |
| 160*CY-<br>Y280S-6 | 45               | 1000                | 16                | 160                 | √                    |   |                | 365 | 59 | 200 | 368 | 181 | 530 | 1300 | 280 | 640 | 141 | 35 | 580 | 550 | 457 | 410 | 24 |
| 160*CY-<br>Y280M-6 | 55               | 1000                | 20                | 160                 | √                    |   |                | 365 | 59 | 200 | 419 | 181 | 581 | 1351 | 280 | 640 | 141 | 35 | 580 | 550 | 457 | 410 | 24 |
| 160*CY-<br>Y315S-6 | 75               | 1000                | 25                | 160                 | √                    |   |                | 365 | 59 | 222 | 406 | 181 | 609 | 1544 | 315 | 865 | 141 | 45 | 645 | 640 | 508 | 576 | 28 |
| 160*CY-<br>Y315M-6 | 90               | 1000                | 31.5              | 160                 | √                    |   |                | 365 | 59 | 222 | 457 | 181 | 720 | 1594 | 315 | 865 | 141 | 45 | 645 | 640 | 508 | 576 | 28 |
| 160*CY-<br>Y200L-4 | 30               | 1500                | 7                 | 240                 | √                    |   |                |     |    |     |     |     |     |      |     |     |     |    |     |     |     |     |    |
|                    |                  |                     | 7~31.5            | 240~50              |                      | √ | √              | 365 | 59 | 150 | 305 | 181 | 379 | 1099 | 200 | 475 | 141 | 25 | 420 | 395 | 318 | 315 | 19 |
| 160*CY-<br>Y225S-4 | 37               | 1500                | 8.5               | 240                 | √                    |   |                |     |    |     |     |     |     |      |     |     |     |    |     |     |     |     |    |
|                    |                  |                     | 8.5~31.5          | 240~63              |                      | √ | √              | 365 | 59 | 143 | 286 | 181 | 393 | 1104 | 225 | 530 | 141 | 28 | 475 | 435 | 356 | 345 | 19 |
| 160*CY-<br>Y225M-4 | 45               | 1500                | 10                | 240                 | √                    |   |                |     |    |     |     |     |     |      |     |     |     |    |     |     |     |     |    |
|                    |                  |                     | 10~31.5           | 240~75              |                      | √ |                | 365 | 59 | 143 | 311 | 181 | 393 | 1129 | 225 | 530 | 141 | 28 | 475 | 435 | 356 | 345 | 19 |
| 160*CY-<br>Y250M-4 | 55               | 1500                | 12.5              | 240                 | √                    |   |                |     |    |     |     |     |     |      |     |     |     |    |     |     |     |     |    |
|                    |                  |                     | 12.5~31.5         | 240~90              |                      | √ |                | 365 | 59 | 161 | 349 | 181 | 455 | 1208 | 250 | 575 | 141 | 30 | 515 | 490 | 406 | 385 | 24 |
| 160*CY-<br>Y280S-4 | 75               | 1500                | 17                | 240                 | √                    |   |                | 365 | 59 | 200 | 368 | 181 | 530 | 1300 | 280 | 640 | 141 | 35 | 580 | 550 | 457 | 410 | 24 |
| 160*CY-<br>Y280M-4 | 90               | 1500                | 20                | 240                 | √                    |   |                | 365 | 59 | 200 | 419 | 181 | 581 | 1351 | 280 | 640 | 141 | 35 | 580 | 550 | 457 | 410 | 24 |
| 160*CY-<br>Y315S-4 | 110              | 1500                | 25                | 240                 | √                    |   |                | 365 | 59 | 222 | 406 | 181 | 609 | 1544 | 315 | 865 | 141 | 45 | 645 | 640 | 508 | 576 | 28 |
| 160*CY-<br>Y315M-4 | 132              | 1500                | 31.5              | 240                 | √                    |   |                | 365 | 59 | 222 | 457 | 181 | 720 | 1594 | 315 | 865 | 141 | 45 | 645 | 640 | 508 | 576 | 28 |
| 250*CY-<br>Y225M-6 | 30               | 1000                | 6.3               | 250                 | √                    |   |                |     |    |     |     |     |     |      |     |     |     |    |     |     |     |     |    |
|                    |                  |                     | 6.3~31.5          | 250~50              |                      | √ |                | 419 | 71 | 143 | 311 | 220 | 393 | 1195 | 225 | 530 | 170 | 28 | 475 | 435 | 356 | 345 | 19 |
| 250*CY-<br>Y250M-6 | 37               | 1000                | 8                 | 250                 | √                    |   |                |     |    |     |     |     |     |      |     |     |     |    |     |     |     |     |    |
|                    |                  |                     | 8~31.5            | 250~65              |                      | √ |                | 419 | 71 | 161 | 349 | 220 | 455 | 1274 | 250 | 575 | 170 | 30 | 515 | 490 | 406 | 385 | 24 |
| 250*CY-<br>Y280S-6 | 45               | 1000                | 10                | 250                 | √                    |   |                |     |    |     |     |     |     |      |     |     |     |    |     |     |     |     |    |
|                    |                  |                     | 10~31.5           | 250~80              |                      | √ |                | 419 | 71 | 200 | 368 | 220 | 530 | 1366 | 280 | 640 | 170 | 35 | 580 | 550 | 457 | 410 | 24 |
| 250*CY-<br>Y280M-6 | 55               | 1000                | 12                | 250                 | √                    |   |                |     |    |     |     |     |     |      |     |     |     |    |     |     |     |     |    |
|                    |                  |                     | 12~31.5           | 250~95              |                      |   |                | 419 | 71 | 200 | 419 | 220 | 581 | 1417 | 280 | 640 | 170 | 35 | 580 | 550 | 457 | 410 | 24 |





表 2

| 油泵电机组<br>型号     | 电机<br>功率<br>(Kw) | 同步<br>转速<br>(r/min) | 推荐油泵使用<br>压力和流量   |                     | 油泵<br>变量型式           |   | 安装外形尺寸<br>(mm) |                |                |                |                |                |                |      |                |     |                |                |                |                |     |                |                |
|-----------------|------------------|---------------------|-------------------|---------------------|----------------------|---|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------|----------------|-----|----------------|----------------|----------------|----------------|-----|----------------|----------------|
|                 |                  |                     | 额定<br>压力<br>(MPa) | 最大<br>流量<br>(l/min) | SM<br>CD<br>PL<br>ZB | Y | MY             | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | l <sub>4</sub> | l <sub>5</sub> | l <sub>6</sub> | L    | H <sub>0</sub> | H   | h <sub>5</sub> | h <sub>6</sub> | D <sub>0</sub> | B <sub>0</sub> | b   | b <sub>1</sub> | d <sub>0</sub> |
| 250*CY-Y315S-6  | 75               | 1000                | 16                | 250                 | √                    |   |                | 419            | 71             | 222            | 406            | 220            | 609            | 1610 | 315            | 865 | 170            | 45             | 645            | 640            | 508 | 576            | 28             |
| 250*CY-Y315M-6  | 90               | 1000                | 20                | 250                 | √                    |   |                | 419            | 71             | 222            | 457            | 220            | 720            | 1660 | 315            | 865 | 170            | 45             | 645            | 640            | 508 | 576            | 28             |
| 250*CY-Y315L1-6 | 110              | 1000                | 25                | 250                 | √                    |   |                | 419            | 71             | 222            | 508            | 220            | 720            | 1660 | 315            | 865 | 170            | 45             | 645            | 640            | 508 | 576            | 28             |
| 250*CY-Y315L2-6 | 132              | 1000                | 29                | 250                 | √                    |   |                | 419            | 71             | 222            | 508            | 220            | 720            | 1660 | 315            | 865 | 170            | 45             | 645            | 640            | 508 | 576            | 28             |
| 250*CY-Y225S-4  | 37               | 1500                | 5                 | 375                 | √                    |   |                | 419            | 71             | 143            | 286            | 220            | 368            | 1170 | 225            | 530 | 170            | 28             | 475            | 435            | 356 | 345            | 19             |
|                 |                  |                     | 5~31.5            | 375~63              |                      | √ |                |                |                |                |                |                |                |      |                |     |                |                |                |                |     |                |                |
| 250*CY-Y225M-4  | 45               | 1500                | 7                 | 375                 | √                    |   |                | 419            | 71             | 143            | 311            | 220            | 393            | 1195 | 225            | 530 | 170            | 28             | 475            | 435            | 356 | 345            | 19             |
|                 |                  |                     | 7~31.5            | 375~77              |                      | √ |                |                |                |                |                |                |                |      |                |     |                |                |                |                |     |                |                |
| 250*CY-Y250M-4  | 55               | 1500                | 8                 | 375                 | √                    |   |                | 419            | 71             | 161            | 349            | 220            | 455            | 1274 | 250            | 575 | 170            | 30             | 515            | 490            | 406 | 385            | 24             |
|                 |                  |                     | 8~31.5            | 375~94              |                      | √ |                |                |                |                |                |                |                |      |                |     |                |                |                |                |     |                |                |
| 250*CY-Y280S-4  | 75               | 1500                | 11                | 375                 | √                    |   |                | 419            | 71             | 200            | 368            | 220            | 530            | 1366 | 280            | 640 | 170            | 35             | 580            | 550            | 457 | 410            | 24             |
|                 |                  |                     | 11~31.5           | 375~128             |                      | √ |                |                |                |                |                |                |                |      |                |     |                |                |                |                |     |                |                |
| 250*CY-Y280M-4  | 90               | 1500                | 13                | 375                 | √                    |   |                | 419            | 71             | 200            | 419            | 220            | 581            | 1417 | 280            | 640 | 170            | 35             | 580            | 550            | 457 | 410            | 24             |
| 250*CY-Y315S-4  | 110              | 1500                | 16                | 375                 | √                    |   |                | 419            | 71             | 222            | 406            | 220            | 609            | 1610 | 315            | 865 | 170            | 45             | 645            | 640            | 508 | 576            | 28             |
| 250*CY-Y315M-4  | 132              | 1500                | 19                | 375                 | √                    |   |                | 419            | 71             | 222            | 457            | 220            | 720            | 1660 | 315            | 865 | 170            | 45             | 645            | 640            | 508 | 576            | 28             |
| 250*CY-Y315L1-4 | 160              | 1500                | 23                | 375                 | √                    |   |                | 419            | 71             | 222            | 508            | 220            | 720            | 1660 | 315            | 865 | 170            | 45             | 645            | 640            | 508 | 576            | 28             |
| 400*CY-Y250M-6  | 37               | 1000                | 5.5               | 360                 | √                    |   |                | 429            | 71             | 161            | 349            | 230            | 455            | 1284 | 250            | 575 | 170            | 30             | 515            | 490            | 406 | 385            | 24             |
|                 |                  |                     | 5.5~21            | 360~90              |                      | √ |                |                |                |                |                |                |                |      |                |     |                |                |                |                |     |                |                |
| 400*CY-Y280S-6  | 45               | 1000                | 7                 | 360                 | √                    |   |                | 429            | 71             | 200            | 368            | 230            | 530            | 1376 | 280            | 640 | 170            | 35             | 580            | 550            | 457 | 410            | 24             |
|                 |                  |                     | 7~21              | 360~120             |                      | √ |                |                |                |                |                |                |                |      |                |     |                |                |                |                |     |                |                |
| 400*CY-Y280M-6  | 55               | 1000                | 8                 | 360                 | √                    |   |                | 429            | 71             | 200            | 419            | 230            | 581            | 1427 | 280            | 640 | 170            | 35             | 580            | 550            | 457 | 410            | 24             |
|                 |                  |                     | 8~21              | 360~145             |                      | √ |                |                |                |                |                |                |                |      |                |     |                |                |                |                |     |                |                |
| 400*CY-Y315S-6  | 75               | 1000                | 11                | 360                 | √                    |   |                | 429            | 71             | 222            | 406            | 230            | 609            | 1620 | 315            | 865 | 170            | 45             | 645            | 640            | 508 | 576            | 28             |
| 400*CY-Y315M-6  | 90               | 1000                | 14                | 360                 | √                    |   |                | 429            | 71             | 222            | 457            | 230            | 720            | 1670 | 315            | 865 | 170            | 45             | 645            | 640            | 508 | 576            | 28             |
| 400*CY-Y315L1-6 | 110              | 1000                | 16                | 360                 | √                    |   |                | 429            | 71             | 222            | 508            | 230            | 720            | 1670 | 315            | 865 | 170            | 45             | 645            | 640            | 508 | 576            | 28             |
| 400*CY-Y315L2-6 | 132              | 1000                | 20                | 360                 | √                    |   |                | 429            | 71             | 222            | 508            | 230            | 720            | 1670 | 315            | 865 | 170            | 45             | 645            | 640            | 508 | 576            | 28             |

| 型号<br>Model | D   | h   | h <sub>1</sub> | b <sub>2</sub> | 型号<br>Model | D   | h   | h <sub>1</sub> | h <sub>2</sub> | h <sub>3</sub> | d <sub>4</sub> | d <sub>5</sub> | s    |
|-------------|-----|-----|----------------|----------------|-------------|-----|-----|----------------|----------------|----------------|----------------|----------------|------|
| 10SCY-Y     | 150 | 233 | 91             | /              | 10CCY-Y     | 150 | 239 | 92             | /              | /              | /              | M5             | 23.4 |
| 25SCY-Y     | 170 | 263 | 101            | /              | 25CCY-Y     | 170 | 315 | 125            | /              | /              | /              | M8             | 34.6 |
| 63SCY-Y     | 225 | 312 | 130            | /              | 63CCY-Y     | 225 | 359 | 140            | /              | /              | /              | M8             | 41.4 |
| 160SCY-Y    | 300 | 395 | 165            | /              | 160CCY-Y    | 300 | 415 | 172            | /              | /              | /              | M8             | 42.8 |
| 250SCY-Y    | 360 | 471 | 203            | /              | 250CCY-Y    | 360 | 489 | 210            | /              | /              | /              | M8             | 55.6 |
| 10YCY-Y     | 150 | 288 | 100            | /              | 10LCY-Y     | 150 | 324 | 154            | 62             | 78             | M14×1.5        | /              | /    |
| 25YCY-Y     | 170 | 351 | 120            | /              | 25LCY-Y     | 170 | 400 | 190            | 85             | 105            | M18×1.5        | /              | /    |
| 63YCY-Y     | 225 | 400 | 140            | /              | 63LCY-Y     | 225 | 462 | 216            | 98             | 128            | M18×1.5        | /              | /    |
| 160YCY-Y    | 300 | 448 | 173            | /              | 160LCY-Y    | 300 | 524 | 245            | 160            | 194            | M18×1.5        | /              | /    |
| 250YCY-Y    | 360 | 516 | 210            | /              | 250LCY-Y    | 360 | 606 | 283            | 188            | 228            | M18×1.5        | /              | /    |
| 10DCY-Y     | 150 | 340 | 92             | /              | 10ZCY-Y     | 150 | 235 | 94             | 85             | 95             | M10×1          | M6             | 23.4 |
| 25DCY-Y     | 170 | 420 | 125            | /              | 25ZCY-Y     | 170 | 304 | 123            | 110            | 122            | M14×1.5        | M8             | 34.6 |
| 63DCY-Y     | 225 | 480 | 140            | /              | 63ZCY-Y     | 225 | 357 | 142            | 128            | 144            | M14×1.5        | M8             | 41.4 |
| 160DCY-Y    | 300 | 535 | 172            | /              | 160ZCY-Y    | 300 | 398 | 169            | 155            | 160            | M18×1.5        | M8             | 42.8 |
| 250DCY-Y    | 360 | 614 | 210            | /              | 250ZCY-Y    | 360 | 465 | 203            | 187            | 192            | M18×1.5        | M8             | 55.6 |
| 10MCY-Y     | 150 | /   | /              | /              | 10MYCY-Y    | 150 | 282 | 128            | /              | /              | /              | /              | /    |
| 25MCY-Y     | 170 | /   | /              | /              | 25MYCY-Y    | 170 | 334 | 152            | /              | /              | /              | /              | /    |
| 63MCY-Y     | 225 | /   | /              | /              | 63MYCY-Y    | 225 | 382 | 181            | /              | /              | /              | /              | /    |
| 160MCY-Y    | 300 | /   | /              | /              | 160MYCY-Y   | 300 | 515 | 222            | /              | /              | /              | /              | /    |
| 250MCY-Y    | 360 | /   | /              | /              | 250MYCY-Y   | 360 | /   | /              | /              | /              | /              | /              | /    |
| 10PCY-Y     | 150 | 255 | 101            | ~115           | 10BCY-Y     | 150 | 300 | 104            | 65             | /              | M14×1.5        | /              | /    |
| 25PCY-Y     | 170 | 288 | 120            | ~115           | 25BCY-Y     | 170 | 318 | 109            | 80             | /              | M14×1.5        | /              | /    |
| 63PCY-Y     | 225 | 329 | 140            | ~115           | 63BCY-Y     | 225 | 350 | 140            | 127            | 126            | M14×1.5        | /              | /    |
| 160PCY-Y    | 300 | 396 | 173            | ~115           | 160BCY-Y    | 300 | 416 | 173            | 157            | 159            | M14×1.5        | /              | /    |
| 250PCY-Y    | 360 | 465 | 210            | ~115           | 250BCY-Y    | 360 | 487 | 210            | 193            | 193            | M14×1.5        | /              | /    |

注：40\*CY-Y变量部分的尺寸与表3中25\*CY-Y的尺寸完全相同；  
80、108\*CY-Y变量部分的尺寸与表3中63\*CY-Y的尺寸完全相同；  
400\*CY-Y变量部分的尺寸与表3中250\*CY-Y的尺寸完全相同。  
note: The size of the 40\*CY-Y variable section and in table 3 25\*CY-Y of exactly the same size.  
The size of the 80、108\*CY-Y variable section and in table 3 63\*CY-Y of exactly the same size.  
The size of the 400\*CY-Y variable section and in table 3 250\*CY-Y of exactly the same size.

表 4

| 型号<br>Model | 安装尺寸Installation dimensions (mm)    |    |    |    |     |                |
|-------------|-------------------------------------|----|----|----|-----|----------------|
|             | 进 出 油 口The inlet and the oil outlet |    |    |    |     | 泄油口Drain Fluid |
|             | d                                   | d1 | d2 | h4 | B   | d3             |
| 10*CY-Y     | M22×1.5                             |    |    |    | 142 | M14×1.5        |
| 25*CY-Y     | M33×2                               |    |    |    | 172 | M14×1.5        |
| 40*CY-Y     | M42×2                               |    |    |    | 178 | M14×1.5        |
| 63*CY-Y     | M42×2                               |    |    |    | 200 | M18×1.5        |
| 80*CY-Y     | M48×2                               |    |    |    | 200 | M18×1.5        |
| 108*CY-Y    |                                     | 50 | 60 | 15 | 270 | M22×1.5        |
| 160*CY-Y    |                                     | 55 | 64 | 20 | 330 | M22×1.5        |
| 250*CY-Y    |                                     | 65 | 76 | 25 | 420 | M27×2          |
| 400*CY-Y    |                                     | 65 | 76 | 25 | 420 | M27×2          |





1. 油泵可以用支座或法兰安装,泵和原动机应采用共同的基础支座,法兰和基础都应有足够的刚性,对于流量大于(或等于)160L/min的泵,不宜安装在油箱上。

The oil pump can be installed by support or flange. The pump and prime motor shall utilize the same basic support. Both the flange and base shall have adequate rigidity. The pump with a flow of above (or equal to) 160L/min shall not be installed on the oil tank.

2. 泵的传动轴与原动机输出轴间的同轴度误差应不大于 $\Phi 0.05$ 。

The co-axiality error between pump transmission bearing and prime motor output bearing shall not exceed  $\Phi 0.05$ .

3. 泵和原动机输出轴间应采用弹性联轴器联接,并严禁在泵轴上安装皮带轮或齿轮驱动油泵,若一定要用皮带轮或齿轮与泵联接,则应加一对支座来安装皮带轮或齿轮,该支座与泵轴的同轴度误差应不大于 $\Phi 0.05$ 。

The pump and prime motor output bearing shall be connected by flexible coupler. It is forbidden to install belt wheel or gear in the pump bearing to drive the oil pump. Once it is a must to connect with pump by belt wheel or gear, a pair of support shall be installed for the installation. The co-axiality error between support and pump bearing shall not exceed  $\Phi 0.05$ .

4. 油箱设计,接管布置与辅件设置等,都应符合机械工业出版社 92 版“机械设计手册”5 卷 P727 中的要求或其它手册中的有关规定,且在油箱灌油之前,油箱、管道须经酸洗或磷化处理,整个系统应清洁干净,灌油时应采用滤油机对油液进行滤清。

The oil tank design, piping collocation and auxiliary parts setup shall be in strict adherence to relevant requirements in 1992 Edition “Mechanical Design Manual” Volume V, P727 published by Machinery Industry Press or relevant stipulations in other manuals. Before oil filling into the oil tank, the pipes must undergo acid flushing or phosphating disposal. The whole system shall be clean and tidy. During the oil filling, the oil filter shall be utilized to filtrate the oil liquid.

5. 在使用过程中,严禁由于系统发热而将油箱盖或注油孔打开,防止灰尘及其他脏物进入油箱。

During the utilization, it is forbidden to open the oil tank cover or refueling hole due to system heat generation to prevent dust and other dirt from entering into the oil tank.

6. 油泵宜采用倒灌自吸,不得已而将油泵安装在油箱上或立式安装自吸时,自吸高度不得大于 500mm,且限于全排量启动。

The oil pump shall better adopt reverse filling and self-absorption method. Once it is a must to install oil pump on the oil tank or vertical installation and self-absorption are realized, the self-absorption height shall not exceed 500mm. Besides, it is only limited to startup by total discharge volume.

7. 在油泵的吸油管道上不允许安装滤油器,吸油管道通径不小于推荐的数值,吸油管道上的截止阀通径应比吸油管道通径大一档,吸油管道长  $L < 2500$  mm,管道弯头不多于两个。

It is forbidden to install oil filter in the oil suction pipe of oil pump. The drift diameter of oil suction pipe shall not be less than the recommended value. The drift diameter of stop valve in the oil suction pipe shall be one level higher than that of oil suction pipe. The oil suction pipe shall have a length of  $L < 2500$  mm and there shall be at most two pipe elbows.



8. 油泵的泄油管应直接接油箱，回油背压应不大于 0.05MPa。

The oil discharge pipe of oil pump shall be directly connected with the oil tank. The oil returning back-pressure shall not exceed 0.05MPa.

9. 油泵启动前，必须通过泵壳上的泄油口向泵内灌满清洁的工作油，启动时应先点动数次，油流方向和声音都正常后，在低压下运转 5-10 分钟，然后投入正常运行。

Before oil pump startup, clean working oil must be filled into the pump through the oil discharge outlet of pump crust. During the startup, the oil pump shall be inching for several times. Upon normal operation of oil flow direction and sound, the oil pump shall operate for 5-10 minutes under low pressure and then enter into normal operation.

10. 工作介质：推荐使用 N32 或 N46 抗磨液压油。如使用其他液压油，要求 E50=3→5，黏度指数大于 90。油泵的正常使用温度为 15℃-65℃，当使用中超出这一温度范围时，必须在液压系统中安装加热或冷却装置。

Work medium: N32 or N46 anti-wear hydraulic oil is recommended. Once other hydraulic oil is utilized, it is required to have E50=3→5 and viscosity index above 90. The normal utilization temperature of oil pump shall be 15℃-65℃. Once this temperature scope is exceeded, the heating or cooling device must be installed in the hydraulic system.





精工液压 四十年品质

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