

QJM Series Motors Sphere Piston Hydraulic Motors



QJM

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产品适用范围

QJM型系列液压马达可与各种油泵、阀及液压附件配套组成液压传动装置，可适应各种机器工况。该液压马达具有重量轻、体积小、调速范围大，低速稳定性好，工作可靠、耐冲击、效率高、寿命长等一系列优点。目前广泛应用于矿山建筑工程、冶金设备、石油、煤矿、船舶、地质勘探等行业。

QJM型液压马达结构原理

QJM型系列液压马达的配油轴是与后盖刚性连接的，转子体以配油轴作径向支承，以定子球形滚道和钢球作轴向支承，转子出轴是内花键，要求工作机构传动轴与它松动配合，这样转子体是浮动的，配油轴是刚性的，故允许用钢管连接进出口。压力油经配油轴中通道（或变速阀）分配到各通道高压腔的配油窗口进入各活塞缸孔。活塞在压力油作用下，通过钢球以正压力 N 作用到定子上，定子以同值的反作用力 N' 作用到钢球上。 N' 可分解为径向和切向2个分力，径向力为油压力所平衡，切向力 F 通过活塞作用于转子体。这样转子体在 F 力的推动下绕配油轴旋转，因同一瞬间有几只活塞处于压力油的作用下，所以能产生很大扭矩。当活塞随转子体旋转到定子曲面的顶点后，活塞在定子曲面的推动下向轴心回程，将活塞缸中工作油经配油轴窗口排回低压腔，如此往复即完成将压力能转换成机械能的任务，使液压马达不断旋转。改变两个通油口的油流方向，即可使反向旋转。改变进入液压马达的流量即可改变转速，实现无级调速目的。有级变量液压马达排量的变化，是油装置在液压马达配油轴中的变速阀位置的变化来实现的。变速阀的位置可以用手动机构或先导阀来控制。（先导阀由用户自备）。

QJM型液压马达主要特点

- 1、该型马达的滚动体用一只钢球代替了一般内曲线液压马达所用的两只以上滚轮和横梁，因而结构简单，工作可靠，体积小，重量轻；
- 2、运动付惯量小，钢球结实可靠，故该型马达可以在冲击负载下连续工作；
- 3、摩擦付少，配油轴与转子内力平衡，球塞付通过自润滑复合材料制成的球垫传力，并具有静压平衡和良好润滑条件，采用自动补偿磨损的软性塑料活环密封高压油，因而具有较高的机械和容积效率，能在很低的转速下稳定运转，起动力矩较大；
- 4、因结构具有的特点，该马达所需回油背压较低，一般需0.3-0.8Mpa，转速越高，背压应越大；
- 5、该型马达具二级和三级变量，因而具有较大的调速范围。
- 6、结构简单，拆修方便，对油液清洁度无特殊要求，油液的过滤精度可按配套油泵的要求选定。

Product overview

QJM series hydraulic motor can constitute hydraulic transmission device with different oil pumps, valves and hydraulic parts, which can meet the requirements on all conditions. QJM hydraulic motor has the characteristics of light weight, small volume, wide speed regulation range, perfect stability performance at low speed, tolerance of stamping, high efficiency, long lifetime, etc. Now it is widely used in constructional engineering, metallurgical equipment, petroleum, coal mine, ship, geological prospecting, etc.

QJM series hydraulic motor's structure principle

QJM hydraulic motor's oil distribution shaft is rigid connected with rear cover, rotor block uses oil distribution shaft as radial support, uses stator spherical rollaway nest and steel ball as axial support. Rotor's output shaft is internal spline, rotor block is floating, oil distribution shaft is rigid, so it permits to use steel pipe connection in and out of oil mouth. Pressure oil is assigned to the distribution port of each channel's high pressure chamber by the variable valves, and then the pressure oil will flow into each piston cylinder hole. Under the effect of pressure oil, the piston uses the ball with positive pressure N to effect on the stator. And the stator uses the same value number of reaction force N' to effect on the steel ball. N' can be divided into two component force radial and tangential. Tangential force F uses the piston to effect on the rotor block. Driven by the tangential force F , the rotor block rotates around the oil distribution shaft. As at the same moment, there is a few piston under the pressure oil effect, so it can produce large torque.

QJM series hydraulic motor main characteristics

1. Because the rolling body of this motor is replaces by a steel ball rather than two or more rollers and beams. Therefore, QJM series hydraulic motor has such features as: simple structure, reliable performance, small volume and light weight.
2. Small kinematics' pair inertia and hard steel ball make this motor continuously work under the strong impact load.
3. QJM series hydraulic motor has higher mechanical and volumetric efficiency. It can operate stably at low speed, and it has large starting torque.
4. Because of the characteristics of the structure, this motor's requirement of oil return backpressure is lower, general need is 0.3-0.8 Mpa, the higher the speed, the greater the backpressure.
5. As this model has variable displacements dual and trinal speeds, it has greater speed range.
6. Simple structure and easy maintenance. It has no special requirement for the cleanliness of the oil. And the oil filtration precision can be selected according to the requirement of the matching oil pump.

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如何合理选型

1、同一基型编号的液压马达，压力等级有3种，其额定压力分别为10、16、20Mpa，如何合理选择一种比较适合主机工况的型号呢？首先应考虑提高传动效率，对传动功率小，转速低、扭矩大的工况，此时影响传动总效率的主要因素是容积效率，对传动功率相同的液压装置，降低系统工作压力能提高容积效率，因此这时应选择用额定压力为10Mpa的型号，同时实际工作压力还应选得低些，当传动功率越小，转速越低时工作压力越低越有利。相反对传动功率大，转速较高的工况，此时影响传动总效率的主要因素是机械效率，因此这是应选用额定压力为16或20Mpa的型号。其次对于有低速稳定性要求的工况，选型中应注意液压马达排量越大，低速稳定性越好，它还与工作压力有关，工作压力越低低速稳定性越好。

2、排量相同的几个不同基型的液压马达，如何选择一种合理的型号呢？这与使用工况和使用寿命要求有关，对于短期间隙运转，整个大修期间累计工作时间较短的机械，可以选用基型编号较小的型号，而对于每天累计运转时间长，使用寿命又要求较长的机械，应尽可能选用基型编号较大的型号，必要时应选用高压的型号，但在较低的压力条件下使用。此时能显著提高使用寿命，因为QJM型液压马达的使用寿命与使用压力成3.3次方反比，也就是使用压力降低一半，寿命可提高10倍。

3、设计中用到的几个计算公式：

(1)液压马达实际输出扭矩：

$$M=159 (P_1-P_2) \cdot q \cdot \eta_m (N \cdot m)$$

式中：P1、P2分别为液压马达的入口和出口压力(Mpa)
 q ，液压马达排量 (L/rev)
 Q ，液压马达流量 (L/min)
 η_m ，液压马达机械效率
 η_v ，液压马达容积效率

(2)液压马达输出功率：

$$N = \frac{M \cdot \eta}{9550} = \eta_m \cdot \eta_v \cdot V (KW) \quad N = \frac{Q(P_1-P_2)}{60} \cdot \eta_m \cdot \eta_v (KW)$$

式中：P1、P2分别为液压马达的入口和出口压力(Mpa)
 Q ，液压马达排量 (L/rev)
 η_m ，液压马达机械效率

(3)液压马达转速：

$$N = \frac{Q}{q} \cdot \eta_v (r/min)$$

How to select model reasonably?

1. The same basic type number hydraulic motor's pressure rating have three types, and there are 10, 16, 20 Mpa. How to reasonably choose a model is more suitable to the host condition? First of all is to consider to improve the transmission efficiency. For the small transmission power, low speed and high torque working conditions, to influence the total transmission efficiency's major factor is volume efficiency. For the same transmission power of hydraulic devices, to reduce the system's working pressure can improve volume efficiency, therefore, to choose the model of 10 Mpa rated pressure to use is reasonable. And the practical working pressure should choose smaller. When the transmission power is smaller and the speed is slower, the working pressure is the lower the better. Instead, for the big transmission power and high speed working conditions, to influence the total transmission efficiency's major factor is mechanical efficiency. Therefore, to choose the model of 16 or 20 Mpa rated pressure to use is reasonable. Secondly, for the working condition of low speed stability requirements, please pay attention to the motor's displacement in selection model, the displacement the bigger, the stability at low speed the better. It is also relevant to the working pressure, the working pressure the smaller, the stability at low speed the better.

2. The hydraulic motor of the same displacement and the different basic type. How to choose a reasonable model? It is relevant to the using working conditions and service life. For the short period clearance running and the shorter cumulative working hours of machinery in the overhaul period, can choose the model whose basic type number is smaller. However, for the machinery of long time cumulative running and the long life requirement, should choose the basic type number as bigger as possible. When necessary, should choose high pressure model. But use under the low pressure conditions, it can remarkably improve the service life. Because QJM series hydraulic motor's service life is 3.3 power inversely proportional to the using pressure. That is to say to reduce a half of using pressure, the life can enhance ten times.

3. several calculation formulas used in the design:

(1) hydraulic motor actual output torque:

$$M=159 (P_1-P_2) \cdot q \cdot \eta_m (N \cdot m)$$

in the formula: P1---- hydraulic motor's inlet pressure (Mpa)
 P2---- hydraulic motor's exit pressure (Mpa)
 q ---- rotate speed of hydraulic motor (r/min)
 Q ---- the flow of the hydraulic motors (L/rev)
 η_m ---- hydraulic motor's mechanical efficiency
 η_v ----hydraulic motor volume efficiency

(2) Out put power of hydraulic motor:

in the formula: P1---- hydraulic motor's inlet pressure (Mpa)
 P2---- hydraulic motor's exit pressure (Mpa)
 Q ----displacement of hydraulic motor (L/rev)
 η_m ----hydraulic motor's mechanical efficiency

(3) Rotate speed of hydraulic motor

$$N = \frac{Q}{q} \cdot \eta_v (r/min)$$

型号说明 Description of model



型号说明举例 Example of model selection

2FS QJM21-0.63SZ 表示双速手动滑阀控制变量的径向轴转球塞液压马达，基型为21系列，排量0.63L/rev，带自控式制动器，带支承型，平键轴输出。

2FS QJM21-0.63SZ---- double speed manual valve control with variables sphere piston hydraulic motor, basic type is 21 series, displacement is 0.63L/rev, with brake, bearing, flat key shaft output.

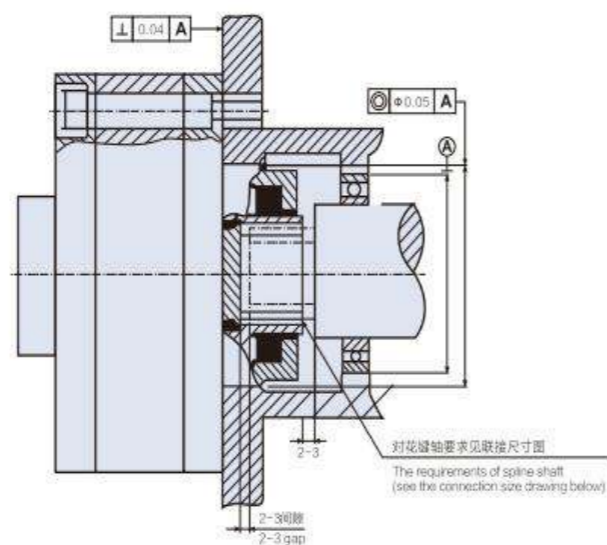
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1QJM**---**型安装联接要求

1. 各型液压马达均允许在任何方向上安装使用。
2. 因QJM液压马达转子呈浮动状态，故安装时花键连接必须留轴向空隙 2-3 毫米，以保证转子体可以在轴向自由窜动（见下图），并且液压马达花键孔与工作机构花键轴必须对中，并保证两者松动配合。对花键处和安装定位机座的技术要求见图。
3. 液压马达在机器中安装并连接好管路后，应用手或扳手盘动液压马达，此时转子应灵活，不得有卡住或重现象。
4. 因配油与定子刚性连接，故该型马达进出油管允许用钢管连接。
5. 泄漏油管：
 - (1) 泄漏油管的最高位置或油箱的油液高度应高于马达壳体的最高水平位置，以防马达壳体内部的油液排空。
 - (2) 泄漏油管路及接头的孔径一般应大于 $\Phi 12$ ，并必须直接与油箱接通，不允许与主回油路连通（若需过滤应单独用粗滤油器），使壳体内压力不超过 0.5Mpa，若有特殊要求应与我司联系，协商解决。
6. 严格保证联接油口的清洁度，防止任何固体异物进入。

1QJM**-----**Installation Requirement

1. All kinds of hydraulic motor can be installed and used in any direction.
2. As the rotor of QJM motor is in floating status, 2-3 mm distance should be left before connecting the spline to ensure the unrestricted movement of rotor in the shaft direction.(as shown in drawing). The splined hole of motor and the splined shaft of operating mechanism should be aligned and kept in loose coordination. For technical requirements on the spline and locating seat, see the following drawing.
3. After mounting the hydraulic motor in the machine and connecting the pipeline, turn the motor by hand or a spanner. The rotor should be flexible and free from block or unbalance.
4. As the oil feed shaft and stator are in rigid connection, the oil pipeline of this model can be connected with steel pipe.
5. leakage oil pipe
 - (1) The top line of the drain pipe should be higher than that of the motor body, in case emptying oil storage.
 - (2) The bore diameter of the leakage oil pipe and the joint should be generally bigger than $\Phi 12$. The pipe can be directly connected to the oil tank. If filtrated, please use separate strained oil filter. The pressure of inner shell should not exceed 0.5 Mpa. If you have special requirements, please contact with us.
6. Strictly maintain the cleanness of the oil port, and keep away any solid particles away.



1QJM**---**型液压马达技术参数 1QJM**---** series technical data

型号 Model	排量 Displacement (L/r)	额定压力 Rated Pressure (Mpa)	尖峰压力 Peak Pressure (Mpa)	转速范围 Rotational Speed Range (r/min)	额定输出扭矩 Rated Output Torque (N.m)	最大功率 Max. power (Kw)
1QJM01-0.08	0.083	10	16	8-500	123	5
1QJM01-0.10	0.104	10	16	8-400	154	5
1QJM02-0.2	0.2	10	16	8-320	295	8
1QJM01-0.1	0.10	10	16	8-800	148	10
1QJM01-0.16	0.163	10	16	8-630	241	12.5
1QJM01-0.2	0.203	10	16	8-500	300	12.5
1QJM02-0.32	0.326	10	16	5-400	483	13
1QJM02-0.4	0.406	10	16	5-320	600	13
1QJM11-0.32	0.339	10	16	5-400	468	20
1QJM11-0.4	0.404	10	16	5-400	598	20
1QJM11-0.5	0.496	10	16	5-320	734	20
1QJM11-0.63	0.664	10	16	4-250	983	20
1QJM12-0.8	0.8	10	16	4-250	1170	25
1QJM12-1.0	1.0	10	16	4-200	1480	25
1QJM12-1.25	1.33	10	16	2-160	1968	25
1QJM21-0.4	0.404	16	25	2-400	957	32
1QJM21-0.5	0.496	16	31.5	2-320	1175	32
1QJM21-0.63	0.664	16	31.5	2-250	1572	32
1QJM21-0.8	0.808	16	25	2-200	1913	32
1QJM21-1.0	1.01	10	16	2-160	1495	25
1QJM21-1.25	1.354	10	16	2-125	2004	25
1QJM21-1.6	1.65	10	16	2-100	2442	25
1QJM32-0.63	0.635	20	31.5	3-500	1880	80
1QJM32-0.8	0.808	20	31.5	3-500	2368	80
1QJM32-1.0	1.06	20	31.5	2-400	3138	80
1QJM32-1.25	1.295	20	31.5	2-320	3833	80
1QJM32-1.6	1.649	20	31.5	2-250	4881	80
1QJM32-2.0	2.03	16	25	2-200	4807	80
1QJM32-2.5	2.71	10	16	1-160	4011	62
1QJM32-3.2	3.2	10	16	1-125	4884	62
1QJM32-4.0	4.0	10	16	1-100	5920	62
1QJM42-2.0	2.11	20	31.5	1-320	6246	105
1QJM42-2.5	2.66	20	31.5	1-250	7578	105
1QJM42-3.2	3.24	10	16	1-200	4850	90
1QJM42-4.0	4.0	10	16	1-160	5920	90
1QJM42-4.5	4.6	10	16	1-125	6808	90
1QJM52-2.5	2.67	20	31.5	1-320	7903	130
1QJM52-3.2	3.24	20	31.5	1-250	9590	130
1QJM52-4.0	4.0	16	25	1-200	9472	130
1QJM52-5.0	5.23	10	16	1-160	7740	120
1QJM52-6.3	6.36	10	16	1-125	9413	120
1QJM62-4.0	4.0	20	31.5	0.5-150	11840	150
1QJM62-5.0	5.18	20	31.5	0.5-125	15333	150
1QJM62-6.3	6.27	16	25	0.5-125	14847	150
1QJM62-8.0	7.85	10	16	0.5-100	11618	121
1QJM62-10	10.15	10	16	0.5-80	15022	121

注：各型带轴承和带阀组液压马达其技术参数与上表中对应的标准型液压马达技术参数相同。
Note: The technical data of the QJM series hydraulic motor with bearing or valve group is the same as the standard type hydraulic motor's in the table above.

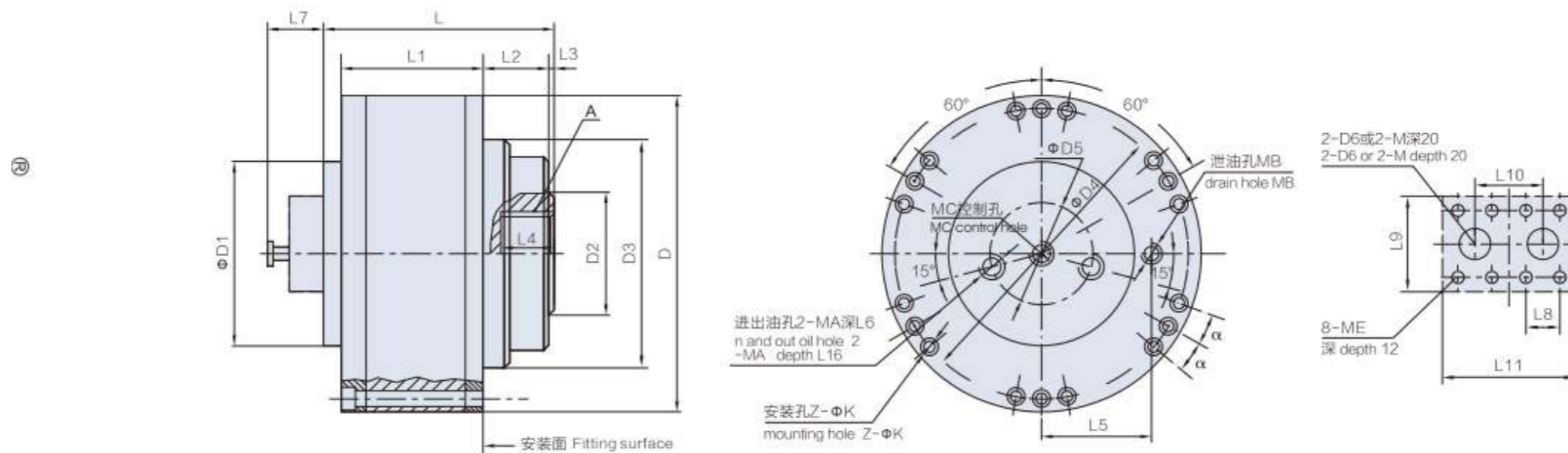
型号 Model	排量 Displacement (L/r)	额定压力 Rated Pressure (Mpa)	尖峰压力 Peak Pressure (Mpa)	转速范围 Rotational Speed Range (r/min)	额定输出扭矩 Rated Output Torque (N.m)	最大功率 Max. power (Kw)
2QJM02-0.32	0.322 / 0.16	10	16	5-400	484 / 242	13
2QJM02-0.4	0.406 / 0.203	10	16	5-320	600 / 300	13
2QJM11-0.4	0.404 / 0.202	10	16	5-400	598 / 299	20
2QJM11-0.5	0.496 / 0.248	10	16	5-320	734 / 367	20
2QJM11-0.63	0.664 / 0.332	10	16	4-250	938 / 492	20
2QJM12-0.8	0.80 / 0.40	10	16	4-250	1170 / 585	25
2QJM12-1.0	1.0 / 0.5	10	16	4-200	1478 / 739	25
2QJM12-1.25	1.25 / 0.63	10	16	4-160	1870 / 935	25
2QJM21-0.32	0.317 / 0.1585	16	25	2-250	751 / 376	32
2QJM21-0.5	0.496 / 0.248	16	25	2-320	1175 / 588	32
2QJM21-0.63	0.664 / 0.332	16	25	2-250	1572 / 786	32
2QJM21-1.0	1.01 / 0.505	10	16	2-160	1495 / 748	25
2QJM21-1.25	1.354 / 0.677	10	16	2-125	2004 / 1002	25
2QJM21-1.6	1.65 / 0.825	10	16	2-100	2442 / 1221	25
2QJM32-0.63	0.635 / 0.318	20	31.5	3-500	1880 / 940	80
2QJM32-1.0	1.06 / 0.53	20	31.5	2-400	3138 / 1519	80
2QJM32-1.25	1.295 / 0.648	20	31.5	2-320	3833 / 1917	80
2QJM32-1.6	1.649 / 0.825	20	31.5	2-250	4881 / 2441	80
2QJM32-2.0	2.03 / 1.015	16	25	2-250	4807 / 2404	80
2QJM32-2.5	2.71 / 1.355	10	16	1-160	4011 / 2006	62
2QJM32-3.2	3.3 / 1.65	10	16	1-125	4844 / 2442	62
2QJM32-4.0	4.0 / 2.0	10	16	1-100	5920 / 2960	62
2QJM42-2.0	2.11 / 1.055	20	31.5	1-320	6246 / 3123	105
2QJM42-2.5	2.56 / 1.28	20	31.5	1-250	7578 / 3789	105
2QJM42-3.2	3.24 / 1.62	10	16	1-200	4850 / 2425	90
2QJM42-4.0	4.0 / 2.0	10	16	1-160	5920 / 2960	90
2QJM42-4.5	4.6 / 2.3	10	16	1-125	6808 / 3404	90
2QJM52-2.5	2.67 / 1.335	20	31.5	1-320	7903 / 3952	130
2QJM52-3.2	3.24 / 1.62	20	31.5	1-250	9590 / 4795	130
2QJM52-4.0	4.0 / 2.0	16	25	1-200	9472 / 4736	130
2QJM52-5.0	5.23 / 2.615	10	16	1-160	7740 / 3870	120
2QJM52-6.3	6.36 / 3.18	10	16	1-125	9413 / 4707	120
2QJM62-4.0	4.0 / 2.0	20	31.5	0.5-200	11840 / 5920	150
2QJM62-5.0	5.18 / 2.59	20	31.5	0.5-160	15333 / 7667	150
2QJM62-6.3	6.27 / 3.135	16	25	0.5-125	14847 / 7424	121
2QJM62-8.0	7.85 / 3.925	10	16	0.5-100	11618 / 5809	121
2QJM62-10	10.15 / 5.075	10	16	0.5-80	15022 / 7511	121
3QJM32-1.25	1.295 / 0.648 / 0.324	20	31.5	2-320	3833 / 1917 / 959	80
3QJM32-1.6	1.649 / 0.825 / 0.413	20	31.5	2-250	4881 / 2441 / 1221	80

注：各型带支承和带阀组变量液压马达其技术参数与上表中对应的液压马达技术参数相同。

Note: The technical data of the QJM variable hydraulic motors with bearing and valve group is the same as the hydraulic motor's in the table above.

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外形安装图 Installation



型号 Model	L	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	D	D1	D2	D3	D4	Z-ΦK	D5	D6	MA	MB	MC	ME	α	A	重量 Weight (kg)	
1QJM001-**-	101	58	38	5	20	43	20	37	-	37	35	63	Φ140	-	Φ60	Φ110g8	Φ128	12-Φ6.5	-	M18×1.5	-	M12×1.5	-	-	10°	6-48H11×42H11×12D9	7	
1QJM01-**-	130	80	37	3	30	62	20	-	-	-	-	-	Φ180	Φ105	Φ70	Φ130g7	Φ165	12-Φ9	Φ58	-	M27×2	M14×1.5	-	-	10°	6-48H11×42H11×12D9	15	
1QJM02-**-	162	99	38	3	34	62	20	-	-	-	-	-	Φ180	Φ105	Φ70	Φ130g7	Φ165	12-Φ9	Φ58	-	M27×2	M14×1.5	-	-	10°	6-48H11×42H11×12D9	24	
¹ / ₂ 1QJM11-**-	132	82	33	3	32	87	18	-	-	-	-	-	Φ240	Φ150	Φ110	Φ160g7	Φ220	12-Φ11	Φ69	-	M33×2	M16×1.5	M12×1.5	-	10°	6-70H11×62H11×16D9	28	
1QJM11-**-A	134	82	25	11	38	87	18	-	-	-	-	-	Φ240	Φ150	Φ60	Φ200g7	Φ220	12-Φ11	Φ69	-	M33×2	M16×1.5	-	-	10°	8-42H11×36H11×7D9	28	
¹ / ₂ QJM12-**-	165	123	33	2	39	84	20	-	-	-	-	-	Φ240	Φ150	Φ110	Φ160g7	Φ220	12-Φ11	Φ69	-	M33×2	M16×1.5	M12×1.5	-	10°	6-90H11×80H11×20D9	39	
¹ / ₂ QJM21-**-	168	99	29	14	38	100	20	-	-	-	-	-	Φ304	Φ150	Φ110	Φ160g7	Φ283	12-Φ11	Φ69	M33×2	M33×2	M22×1.5	-	-	10°	6-90H11×80H11×20D9	50	
2LSQJM21-**-								110		48	58	150																
¹ / ₂ QJM32-**-	215	138	43	10	55	115	22	-	-	-	-	-	Φ320	Φ165	Φ120	Φ170g7	Φ299	12-Φ13	Φ79	M33×2	M33×2	M22×1.5	-	-	10°	10-98H11×92H11×14D9	70	
2LSQJM32-**-								95		52	71	165																78
¹ / ₂ QJM42-**-	209	160	16	12	35	124	22	-	-	-	-	-	Φ350	Φ190	Φ140	Φ200g7	Φ320	12-Φ13	Φ100	-	M42×2	M22×1.5	-	-	10°	10-112H11×102H11×16D9	90	
2LSQJM42-**-								151		73	105	204								Φ40			M16×1.5	M16				100
1QJM42-**-A	207	158	23	5	35	124	22	-	-	-	-	-	Φ340	Φ190	Φ120	Φ170g7	Φ320	12-Φ13	Φ100	-	M42×2	M22×1.5	-	-	10°	10-98H11×92H11×14D9	90	
¹ / ₂ QJM52-**-	238	175	30	6	45	135	24	-	-	-	-	-	Φ420	Φ220	Φ160	Φ315g7	Φ360	6-Φ22	Φ110	Φ40	M48×2	M22×1.5	-	-	6°	10-120H11×112H11×18D9	150	
2LSQJM52-**-								144		73	101	220											M16×1.5	M16				160
¹ / ₂ QJM62-**-	264	182	29	11	45	165	24	-	-	-	-	-	Φ485	Φ255	Φ170	Φ395g7	Φ435	6-Φ22	Φ128	Φ48	M48×2	M22×1.5	-	-	6°	10-120H11×112H11×18D9	200	
2LSQJM62-**-								144		73	101	255											M16×1.5	M16				212

型号 Model	排量 Displacement (L/r)	额定压力 Rated Pressure (Mpa)	尖峰压力 Peak Pressure (Mpa)	转速范围 Rotational Speed Range (r/min)	额定输出扭矩 Rated Output Torque (N.m)	最大功率 Max. power (Kw)
1QJM001-0.063Z	0.064	10	16	8-600	95	5
1QJM001-0.08Z	0.083	10	16	8-500	123	5
1QJM001-0.10Z(ZC)	0.104	10	16	8-400	154	5
1QJM002-0.2Z	0.2	10	16	5-320	295	8
1QJM02-0.315Z	0.326	10	16	5-320	483	13
1QJM02-0.4Z	0.406	10	16	5-320	600	13
1QJM02-0.38Z2	0.38	10	16	5-320	560	13
1QJM02-0.47Z2	0.47	10	16	5-320	692	13
1QJM11-0.315Z	0.339	10	16	5-500	468	20
1QJM11-0.4Z	0.404	10	16	5-400	598	20
1QJM11-0.5Z	0.496	10	16	5-320	734	20
1QJM11-0.63Z	0.664	10	16	4-425	983	20
1QJM12-0.8Z(ZC)	0.8	10	16	4-250	1170	25
1QJM12-1.0Z(ZC)	1.0	10	16	4-200	1480	25
1QJM12-1.25Z(ZC)	1.33	10	16	4-160	1968	25
$\frac{1}{2}$ QJM21-0.32Z3	0.32 / 0.16	16	25	2-600	770 / 384	32
$\frac{1}{2}$ QJM21-0.4Z3(Ze3)	0.4 / 0.2	16	25	2-400	957 / 479	32
$\frac{1}{2}$ QJM21-0.5Z3(Ze3)	0.496 / 0.258	16	25	2-320	1175 / 588	32
$\frac{1}{2}$ QJM21-0.63Z3(Ze3)	0.664 / 0.332	16	25	2-250	1572 / 786	32
$\frac{1}{2}$ QJM21-0.8Z3(Ze3)	0.808 / 0.404	16	25	2-200	1913 / 957	32
$\frac{1}{2}$ QJM21-1.0Z3(Ze3)	1.01 / 0.505	10	16	2-160	1495 / 748	25
$\frac{1}{2}$ QJM21-1.25Z3(Ze3)	1.354 / 0.667	10	16	2-125	2004 / 1002	25
$\frac{1}{2}$ QJM21-1.6Z3(Ze3)	1.65 / 0.825	10	16	2-100	2442 / 1221	25
$\frac{1}{2}$ QJM32-0.63Z(Z3,Ze3)	0.635 / 0.318	20	31.5	3-500	1880 / 940	80
$\frac{1}{2}$ QJM32-1.0Z(Z3,Ze3)	1.06 / 0.503	20	31.5	2-400	3138 / 1519	80
$\frac{1}{2}$ QJM32-1.25Z(Z3,Ze3)	1.295 / 0.648	20	31.5	2-320	3833 / 1917	80
$\frac{1}{2}$ QJM32-1.6Z(Z3,Ze3)	1.649 / 0.825	20	31.5	2-250	4881 / 2441	80
$\frac{1}{2}$ QJM32-2.0Z(Z3,Ze3)	2.03 / 1.015	16	25	2-200	4807 / 2404	80
$\frac{1}{2}$ QJM32-2.5Z(Z3,Ze3)	2.71 / 1.355	10	16	1-160	4011 / 2006	62
$\frac{1}{2}$ QJM32-3.2Z(Z3,Ze3)	3.3 / 1.65	10	16	1-125	4884 / 2442	62
$\frac{1}{2}$ QJM52-2.5Z	2.67 / 1.355	20	31.5	1-200	7903 / 3952	130
$\frac{1}{2}$ QJM52-3.2Z	3.24 / 1.62	20	31.5	1-200	9590 / 4795	130
$\frac{1}{2}$ QJM52-4.0Z	4.0 / 2.0	16	25	1-200	9472 / 4736	130
$\frac{1}{2}$ QJM52-5.0Z	5.23 / 2.165	10	16	1-160	7740 / 3870	120
$\frac{1}{2}$ QJM52-6.3Z	6.36 / 3.18	10	16	1-125	9413 / 4707	120
$\frac{1}{2}$ QJM62-4.0Z	4.0 / 2.0	20	31.5	0.5-150	11840 / 5920	150
$\frac{1}{2}$ QJM62-5.0Z	5.18 / 2.59	20	31.5	0.5-125	15333 / 7667	150
$\frac{1}{2}$ QJM62-6.3Z	6.27 / 3.135	16	25	0.5-125	14847 / 7424	150
$\frac{1}{2}$ QJM62-8.0Z	7.85 / 3.925	10	16	0.5-100	11618 / 5809	121
$\frac{1}{2}$ QJM62-10Z	10.15 / 5.075	10	16	0.5-80	15022 / 7511	121

QJM Series Motors Sphere Piston Hydraulic Motors

图1外形安装图 Installation

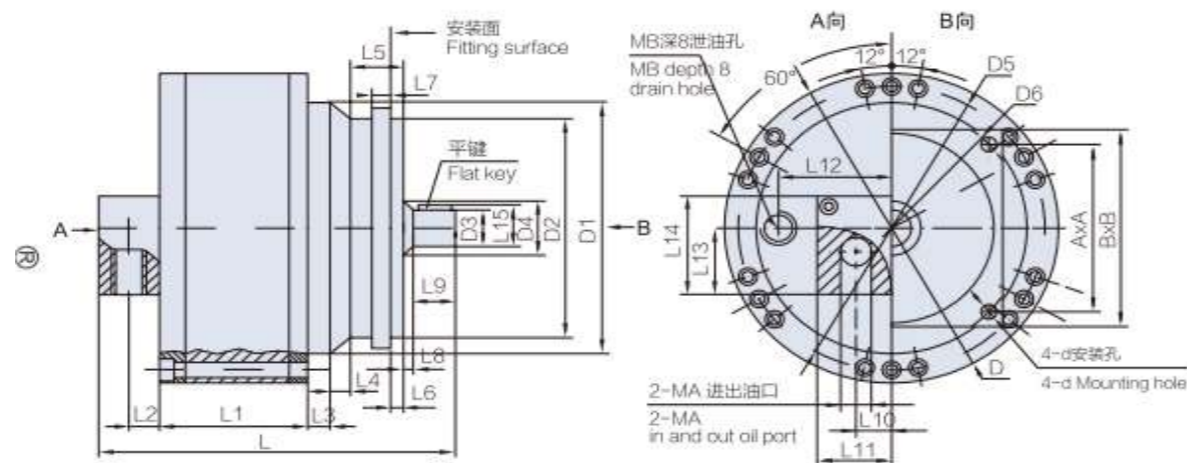


图2外形安装图 Installation

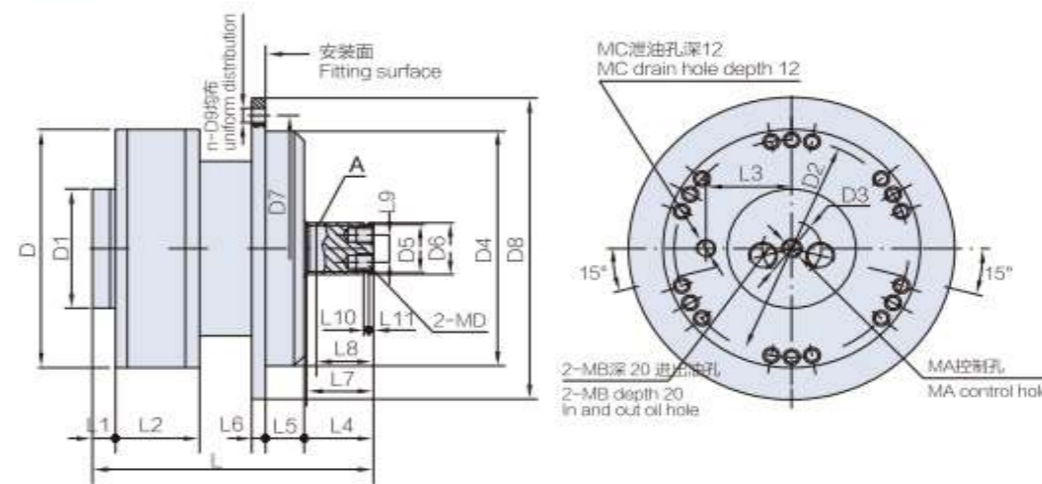


图1

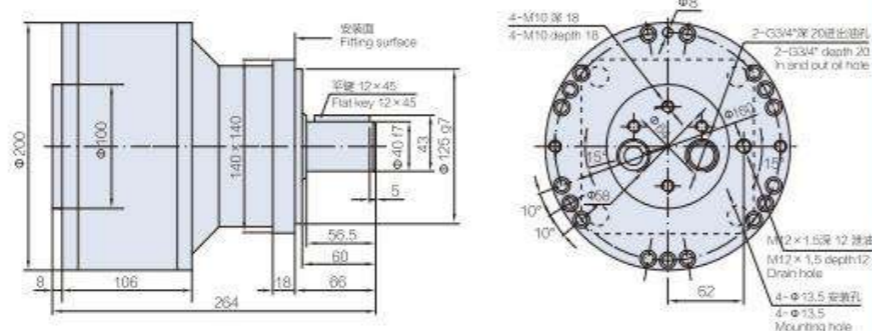
型号 Model	L	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13	L14	L15	D	D1	联接止口		轴径	D4	D5	D6	d	进出油口		泄油口	A×A	B×B	平键 b×L	重量 kg
																			D2	D3						MA	MB					
1QJM001-**Z	237	68	17	6	16	70	48	12	3	40	19	31.5	43	32	49	27.5	Φ141	Φ110	Φ75g7	Φ25h8	Φ35 ^{H7/k6}	Φ128	-	Φ11	M18×1.5	M12×1.5	M12×1.5	70×70	90×90	8×36	10	
1QJM002-**Z	257	88	17	6	16	70	48	12	3	40	19	31.5	43	32	49	27.5	Φ141	Φ110	Φ75g7	Φ25h8	Φ35 ^{H7/k6}	Φ128	-	Φ11	M18×1.5	M12×1.5	M12×1.5	70×70	90×90	8×36	12	
1QJM02-**Z	290	102	22	-	52	32	5	18	3	56.5	28	50	60	41	82	43	Φ180	-	Φ125g7	Φ40k6	Φ55	Φ165	Φ160	Φ13.5	G3/4"	M14×1.5	M14×1.5	M14×1.5	113×113	140×140	12×45	24
1QJM11-**Z	270	87	-	-	-	8	20	3	56.5	-	-	87	-	-	-	-	Φ240	-	Φ125g7	Φ40f7	Φ55	Φ220	Φ160	Φ13.5	M33×2	M16×1.5	M16×1.5	113×113	142×142	12×45	40	
1QJM12-**Z	485	123	46	-	-	10	20	30	82	35	75	87	40	70	54	Φ240	-	Φ160h7	Φ50h7	Φ60	Φ220	Φ200	Φ18	G1"	M16×1.5	M16×1.5	M16×1.5	141.5×141.5	178×178	14×72	70	

图2

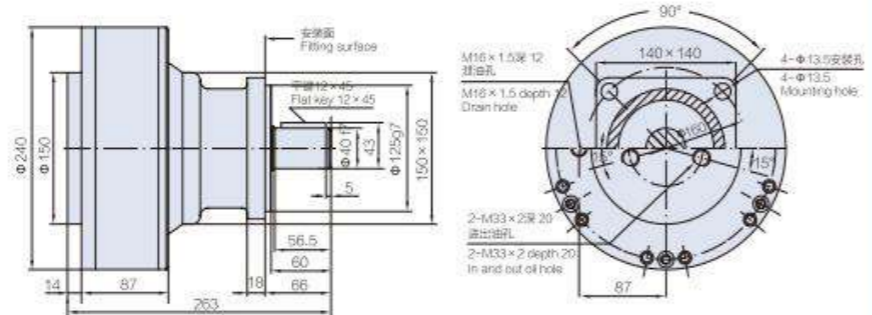
型号 Model	L	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	D	D1	D2	D3	D4	D5	D6	D7	D8	n-D9	MA	MB	MC	MD	平键 Flat key	花键A Spline A	重量 Weight (kg)
1/2 QJM21-**Z3	328	26	99	100	81	55	16	78	66	38	-	-	Φ304	Φ150	Φ283	Φ69	Φ195f9	-	Φ65f7	Φ335	Φ379	6-Φ18	M12x1.5	M33x2	M22x2	2-M12深20	C18x75	-	75
1/2 QJM21-**Ze3	378	26	113	100	81	38	16	78	66	38	-	-	Φ304	Φ150	Φ283	Φ69	Φ220f9	-	Φ65f7	Φ260	Φ300	6-Φ18	M12x1.5	M33x2	M22x2	2-M12深20	C18x75	-	80
1/2 QJM32-**Z	395	24.5	144	115	101	30	25	100	70	40	2.65	3	Φ320	Φ165	Φ299	Φ79	Φ250f7	Φ79	Φ82b11	Φ300	Φ335	6-Φ18	M12x1.5	M33x2	M22x2	2-M12深25	-	10-82b11x72b11x129	106
1/2 QJM32-**Z2	395	22	139	115	140	22	21	86	65	-	-	-	Φ320	Φ165	Φ299	Φ79	Φ340d9	Φ79	Φ92b11	Φ390	Φ430	6-Φ17	M12x1.5	M33x2	M22x2	2-M20深20	-	10-82g6x72b12x129	106
1/2 QJM32-**Ze3	446	24.5	138	115	81	55	16	78	66	-	-	-	Φ320	Φ165	Φ299	Φ79	Φ295f9	-	Φ65f7	Φ335	Φ379	6-Φ18	M12x1.5	M33x2	M22x2	中央孔M16 深25	C18x75	-	140
1/2 QJM32-**Z3	363.5	24.5	138	115	81	55	16	78	66	-	-	-	Φ320	Φ165	Φ299	Φ79	Φ295f9	-	Φ65f7	Φ335	Φ379	6-Φ18	M12x1.5	M33x2	M22x2	2-M12深25	C18x75	-	108
1/2 QJM52-**Z	516	27	176	135	131	10	30	131	131	-	-	-	Φ420	Φ220	Φ360	Φ110	Φ295f7	-	Φ78h7	Φ340	Φ370	8-Φ20	M16x1.5	M48x2	M22x2	中央孔M16 深40	C22x132	-	190
1/2 QJM62-**Z	487	42	162	165	157	5	20	155	152	-	-	-	Φ485	Φ255	Φ435	Φ128	Φ400f8	-	Φ101.55	Φ490	Φ530	8-Φ22	M16x1.5	M48x2	M22x2	-	A25.4x120	-	240

QJM Series Motors Sphere Piston Hydraulic Motors

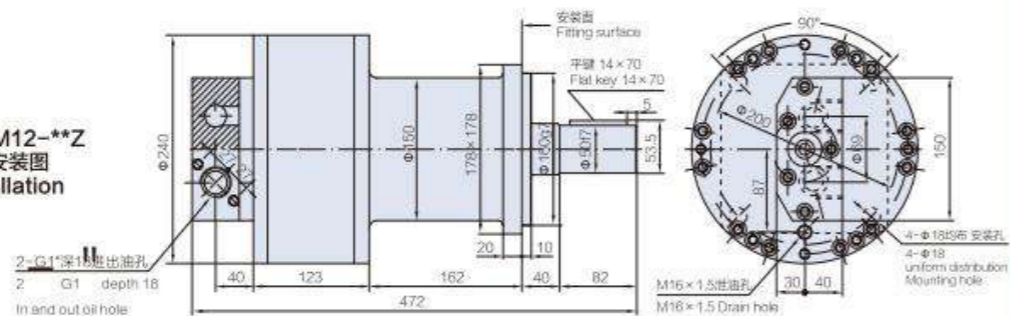
1QJM02-***Z
外形安装图
Installation



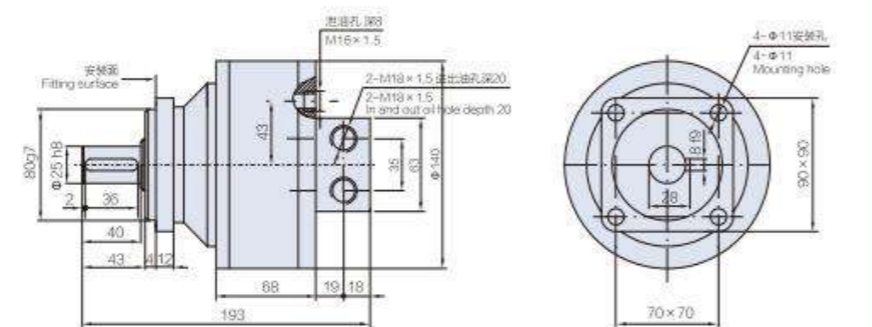
QJM11-*Z
外形安装图
Installation



1QJM12-***Z
外形安装图
Installation



1QJM001-0.1Z
外形安装图
Installation



1 2 QJM**--**S型自控式带制动器液压马达技术参数

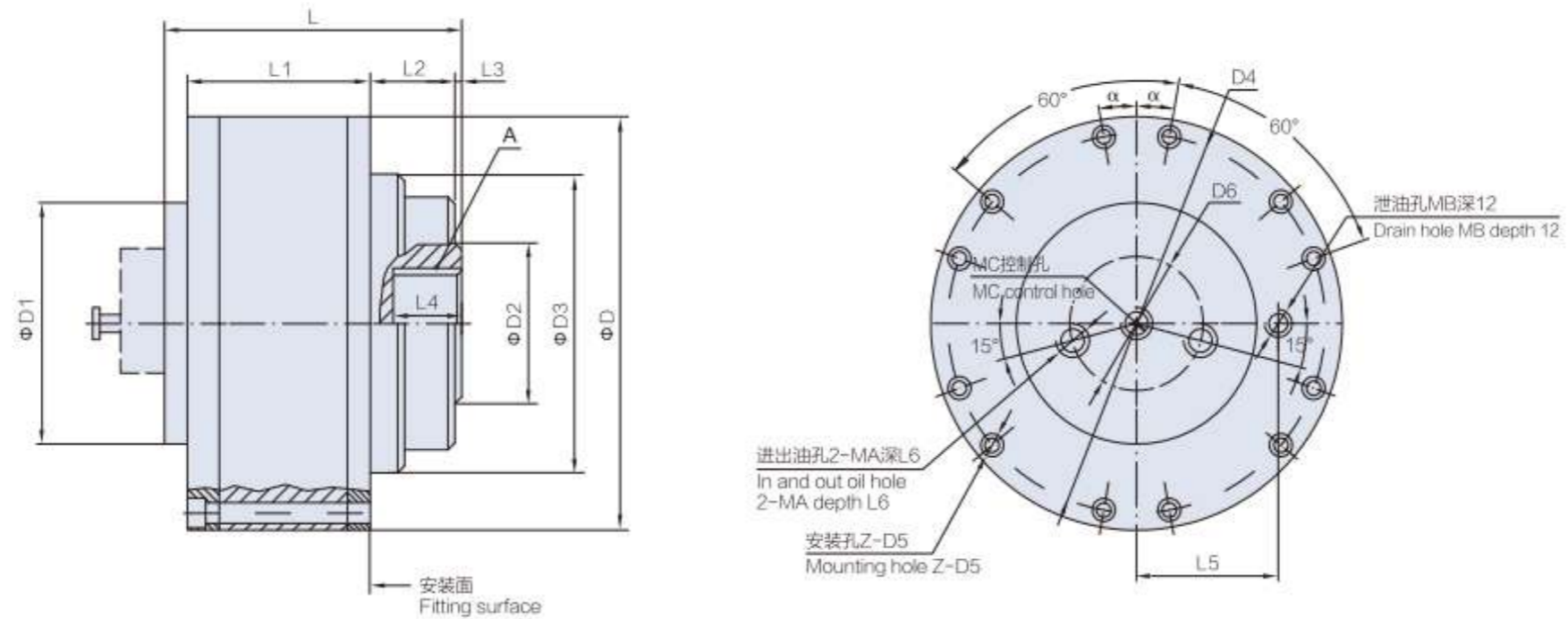
Technical data of 1/2 QJM**--**S series hydraulic motor with brake

型号 Model	排量 Displacement (L/r)	额定压力 Rated Pressure (Mpa)	尖峰压力 Peak Pressure (Mpa)	转速范围 Rotational Speed Range (r/min)	额定输出扭矩 Rated Output Torque (N.m)	制动器开启压力 Open brake Pressure (MPa)	制动器 制动扭矩 Brake torque (N.m)
1QJM11-0.32S	0.317	10	16	5-400	468	4-6	400-600
1QJM11-0.40S	0.404	10	16	5-400	598	3-5	400-600
1QJM11-0.50S	0.496	10	16	5-320	734	3-5	400-600
1QJM11-0.63S	0.664	10	16	4-250	983	3-5	400-600
2QJM11-0.40S	0.404 / 0.202	10	16	5-400	598 / 299	3-5	400-600
2QJM11-0.50S	0.496 / 0.248	10	16	5-320	734 / 367	3-5	400-600
2QJM11-0.63S	0.664 / 0.332	10	16	4-250	983 / 492	3-5	400-600
1QJM21-0.32S	0.317	16	25	2-500	751	4-6	1000-1400
1QJM21-0.40S	0.404	16	25	2-400	957	4-6	1000-1400
1QJM21-0.50S	0.496	16	25	2-320	1175	4-6	1000-1400
1QJM21-0.63S	0.664	16	25	2-250	1572	4-6	1000-1400
1QJM21-0.8S	0.808	16	25	2-200	1913	4-6	1000-1400
1QJM21-1.0S	1.01	10	16	2-160	1495	3-5	1000-1400
1QJM21-1.25S	1.354	10	16	2-125	2004	3-5	1000-1400
1QJM21-1.6S	1.65	10	16	2-100	2442	3-5	1000-1400
2QJM21-0.32S	0.317 / 0.1585	16	25	2-500	751 / 376	4-7	1000-1400
2QJM21-0.40S	0.404 / 0.202	16	25	2-400	957 / 479	4-7	1000-1400
2QJM21-0.50S	0.496 / 0.248	16	25	2-320	1175 / 588	4-7	1000-1400
2QJM21-0.63S	0.664 / 0.332	16	25	2-250	1572 / 786	4-7	1000-1400
2QJM21-0.8S	0.808 / 0.404	16	25	2-200	1913 / 957	4-7	1000-1400
2QJM21-1.0S	1.01 / 0.505	10	16	2-160	1495 / 748	3-5	1000-1400
2QJM21-1.25S	1.354 / 0.667	10	16	2-125	2004 / 1002	3-5	1000-1400
2QJM21-1.6S	1.65 / 0.825	10	16	2-100	2442 / 1221	3-5	1000-1400

型号 Model	排量 Displacement (L/r)	额定压力 Rated Pressure (Mpa)	尖峰压力 Peak Pressure (Mpa)	转速范围 Rotational Speed Range (r/min)	额定输出扭矩 Rated Output Torque (N.m)	制动器开启压力 Open brake Pressure (MPa)	制动器 制动扭矩 Brake torque (N.m)
$\frac{1}{2}$ QJM32-0.63S	0.635 / 0.318	20	31.5	3-300	1880	4-7	≥2500
$\frac{1}{2}$ QJM32-0.8S	0.808 / 0.404	20	31.5	3-250	2368	4-7	≥2500
$\frac{1}{2}$ QJM32-1.0S	1.06 / 0.53	20	31.5	2-250	3138	4-7	≥2500
$\frac{1}{2}$ QJM32-1.25S	1.295 / 0.648	20	31.5	2-200	3833	3-5	≥2500
$\frac{1}{2}$ QJM32-1.6S	1.649 / 0.825	20	31.5	2-200	4881	3-5	≥2500
$\frac{1}{2}$ QJM32-2.0S	2.03 / 1.015	16	25	2-200	4807	3-5	≥2500
$\frac{1}{2}$ QJM32-2.5S	2.71 / 1.355	10	16	1-160	4011	3-5	≥2500
$\frac{1}{2}$ QJM32-3.2S	3.3 / 1.65	10	16	1-125	4884	3-5	≥2500
$\frac{1}{2}$ QJM32-4.0S	4.0 / 2.00	10	16	1-100	5920	3-5	≥2500
$\frac{1}{2}$ QJM32-0.63S2	0.635 / 0.318	20	31.5	3-500	1880	4-7	≥4000
$\frac{1}{2}$ QJM32-0.8S2	0.808 / 0.404	20	31.5	3-400	2368	4-7	≥4000
$\frac{1}{2}$ QJM32-1.0S2	0.993 / 0.497	20	31.5	2-400	3138	4-7	≥4000
$\frac{1}{2}$ QJM32-1.25S2	1.295 / 0.648	20	31.5	2-320	3833	3-5	≥4000
$\frac{1}{2}$ QJM32-1.6S2	1.649 / 0.825	20	31.5	2-250	4881	3-5	≥4000
$\frac{1}{2}$ QJM32-2.0S2	2.03 / 1.015	16	25	2-200	4807	3-5	≥4000
$\frac{1}{2}$ QJM32-2.5S2	2.71 / 1.355	10	16	1-160	4011	3-5	≥4000
$\frac{1}{2}$ QJM32-3.2S2	3.3 / 1.65	10	16	1-125	4884	3-5	≥4000
$\frac{1}{2}$ QJM32-4.0S2	4.0 / 2.0	10	16	1-100	5920	3-5	≥4000
$\frac{1}{2}$ QJM42-2.0S	2.11 / 1.055	20	31.5	1-250	6246	4-7	≥5000
$\frac{1}{2}$ QJM42-2.5S	2.56 / 1.28	20	31.5	1-250	7578	4-7	≥5000
$\frac{1}{2}$ QJM42-3.2S	3.28 / 1.64	10	16	1-200	4850	4-6	≥5000
$\frac{1}{2}$ QJM42-4.0S	4.0 / 2.0	10	16	1-160	5920	3-5	≥5000
$\frac{1}{2}$ QJM42-4.5S	4.56 / 2.28	10	16	1-125	6808	3-5	≥5000
$\frac{1}{2}$ QJM52-2.5S	2.67 / 1.335	20	31.5	1-200	7903	4-7	≥6000
$\frac{1}{2}$ QJM52-3.2S	3.24 / 1.62	20	31.5	1-200	9590	4-7	≥6000
$\frac{1}{2}$ QJM52-4.0S	4.0 / 2.0	16	25	1-200	9472	4-6	≥6000
$\frac{1}{2}$ QJM52-5.0S	5.23 / 2.615	16	25	1-160	7740	3-5	≥6000
$\frac{1}{2}$ QJM52-6.3S	6.36 / 3.18	16	25	1-125	9413	3-5	≥6000

QJM Series Motors Sphere Piston Hydraulic Motors

外形安装图 Installation

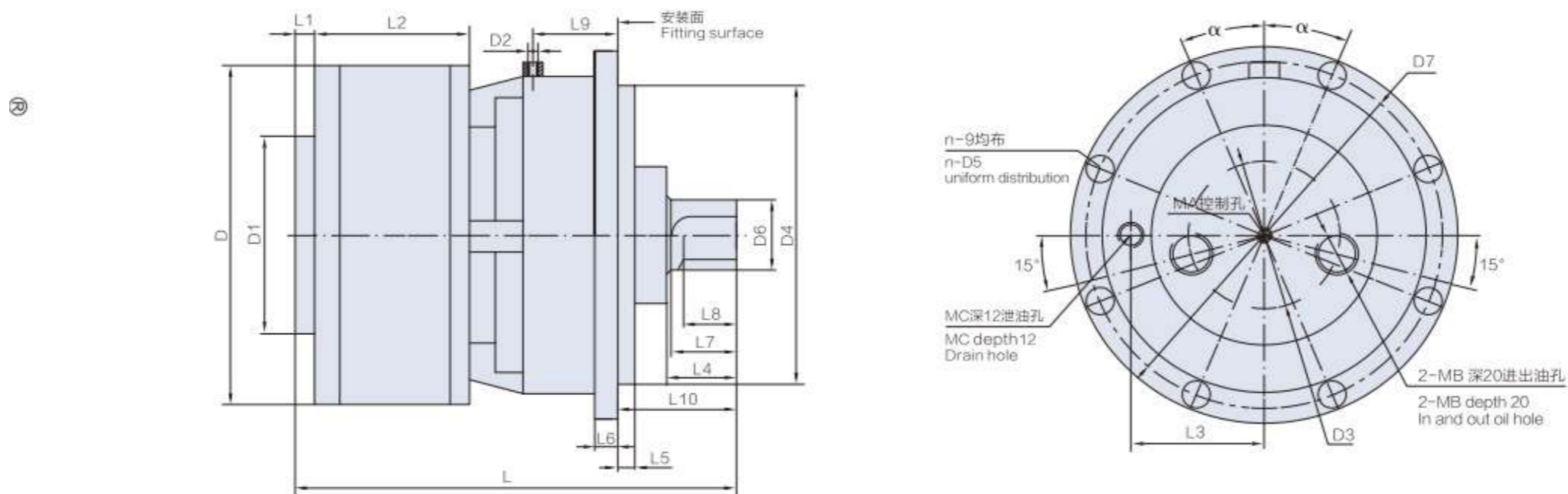


型号 Model	L	L1	L2	L3	L4	L5	L6	D	D1	D2	D3	D4	Z-D5	D6	MA	MB	MC	α	A	重量 Weight (kg)
1/2 QJM11-**S	146.5	97	20	11.5	28	87	20	φ240	φ150	φ100	φ160g7	φ220	12-φ11	φ69	M33x2	M16x1.5	M12x1.5	10°	6-70H11x62H11x16D9	35
1/2 QJM21-**S	170	117	17	7	31	100	20	φ304	φ150	φ100	φ160g7	φ220	12-φ11	φ69	M33x2	M22x1.5	M12x1.5	10°	6-90H11x80H11x20D9	53
1/2 QJM32-**S	231	140	58	3	55	115	20	φ320	φ165	φ170	φ280g7	φ299	12-φ13	φ79	M33x2	M22x1.5	M12x1.5	10°	10-98H11x92H11x14D9	86
1/2 QJM32-**S2	252	167.5	58	3	55	115	20	φ320	φ165	φ170	φ280g7	φ299	12-φ13	φ79	M33x2	M22x1.5	M12x1.5	10°	10-98H11x92H11x14D9	86
1/2 QJM42-**S	229	187	16	3	35	124	22	φ350	φ190	φ140	φ200g7	φ320	12-φ13	φ100	M42x2	M22x1.5	M12x1.5	10°	10-112H11x102H11x16D9	108
1/2 QJM52-**S	266	187	56	3	55	135	24	φ420	φ220	φ160	φ315g7	φ360	10-φ22	φ110	M48x2	M22x1.5	M12x1.5	6°	10-120H11x112H11x18D9	167

型号 Model	排量 Displacement (L/r)	额定压力 Rated Pressure (Mpa)	尖峰压力 Peak Pressure (Mpa)	转速范围 Rotational Speed Range (r/min)	额定输出扭矩 Rated Output Torque (N.m)	制动器开启压力 Open brake Pressure (MPa)	制动器 制动扭矩 Brake torque (N.m)
1QJM12-0.8Se	0.808	10	16	4-250	1076	1.3≤P≤6.3	≥1800
1QJM12-1.0Se	0.993	10	16	4-200	1332	1.3≤P≤6.3	≥1800
1QJM12-1.25Se	1.328	10	16	4-160	1771	1.3≤P≤6.3	≥1800
$\frac{1}{2}$ QJM21-0.32Se	0.317 / 0.158	16	25	2-500	751 / 376	2.5≤P≤6.3	≥2500
$\frac{1}{2}$ QJM21-0.40Se	0.404 / 0.202	16	25	2-400	957 / 479	2.5≤P≤6.3	≥2500
$\frac{1}{2}$ QJM21-0.50Se	0.496 / 0.248	16	25	2-320	1175 / 588	2.5≤P≤6.3	≥2500
$\frac{1}{2}$ QJM21-0.63Se	0.664 / 0.332	16	25	2-250	1572 / 786	2.5≤P≤6.3	≥2500
$\frac{1}{2}$ QJM21-0.80Se	0.808 / 0.404	16	25	2-200	1913 / 957	2.5≤P≤6.3	≥2500
$\frac{1}{2}$ QJM21-1.0Se	1.01 / 0.505	10	16	2-160	1495 / 748	2.5≤P≤6.3	≥2500
$\frac{1}{2}$ QJM21-1.25Se	1.354 / 0.677	10	16	2-125	2004 / 1002	2.5≤P≤6.3	≥2500
$\frac{1}{2}$ QJM21-1.6Se	1.65 / 0.825	10	16	2-100	2442 / 1221	2.5≤P≤6.3	≥2500
$\frac{1}{2}$ QJM32-0.63Se	0.635 / 0.318	20	31.5	1-500	1880 / 940	2.5≤P≤6.3	≥6000
$\frac{1}{2}$ QJM32-0.8Se	0.808 / 0.404	20	31.5	1-500	2368 / 1184	2.5≤P≤6.3	≥6000
$\frac{1}{2}$ QJM32-1.0Se	0.993 / 0.497	20	31.5	2-400	3138 / 1569	2.5≤P≤6.3	≥6000
$\frac{1}{2}$ QJM32-1.25Se	1.328 / 0.664	20	31.5	2-320	3833 / 1942	2.5≤P≤6.3	≥6000
$\frac{1}{2}$ QJM32-1.6Se	1.616 / 0.808	20	31.5	2-250	4881 / 2441	2.5≤P≤6.3	≥6000
$\frac{1}{2}$ QJM32-2.0Se	2.03 / 1.015	16	25	2-200	4807 / 2404	2.5≤P≤6.3	≥6000
$\frac{1}{2}$ QJM32-2.5Se	2.71 / 1.355	10	16	1-160	4011 / 2006	2.5≤P≤6.3	≥6000
$\frac{1}{2}$ QJM32-3.2Se	3.3 / 1.65	10	16	1-125	4884 / 2442	2.5≤P≤6.3	≥6000
$\frac{1}{2}$ QJM32-4.0Se	4.0 / 2.0	10	16	1-100	5920 / 2960	2.5≤P≤6.3	≥6000
$\frac{1}{2}$ QJM42-2.0Se	2.11 / 1.055	20	31.5	1-250	6246 / 3123	2.1≤P≤6.3	≥9000
$\frac{1}{2}$ QJM42-2.5Se	2.56 / 1.28	20	31.5	1-250	7578 / 3789	2.1≤P≤6.3	≥9000
$\frac{1}{2}$ QJM42-3.2Se	3.3 / 1.65	10	16	1-200	4884 / 2442	2.1≤P≤6.3	≥9000
$\frac{1}{2}$ QJM42-4.0Se	4.0 / 2.0	10	16	1-160	5920 / 2960	2.1≤P≤6.3	≥9000
$\frac{1}{2}$ QJM42-4.5Se	4.56 / 2.28	10	16	1-125	6808 / 3404	2.1≤P≤6.3	≥9000
$\frac{1}{2}$ QJM52-2.5Se	2.67 / 1.355	20	31.5	1-200	7903 / 3952	2.2≤P≤6.3	≥10000
$\frac{1}{2}$ QJM52-3.2Se	3.24 / 1.62	20	31.5	1-200	9590 / 4795	2.2≤P≤6.3	≥10000
$\frac{1}{2}$ QJM52-4.0Se	4.0 / 2.0	16	25	1-200	9472 / 4736	2.2≤P≤6.3	≥10000
$\frac{1}{2}$ QJM52-5.0Se	5.23 / 2.615	10	16	1-160	7740 / 3870	2.2≤P≤6.3	≥10000
$\frac{1}{2}$ QJM52-6.3Se	6.36 / 3.18	10	16	1-125	9413 / 4707	2.2≤P≤6.3	≥10000

QJM Series Motors Sphere Piston Hydraulic Motors

外形安装图 Installation



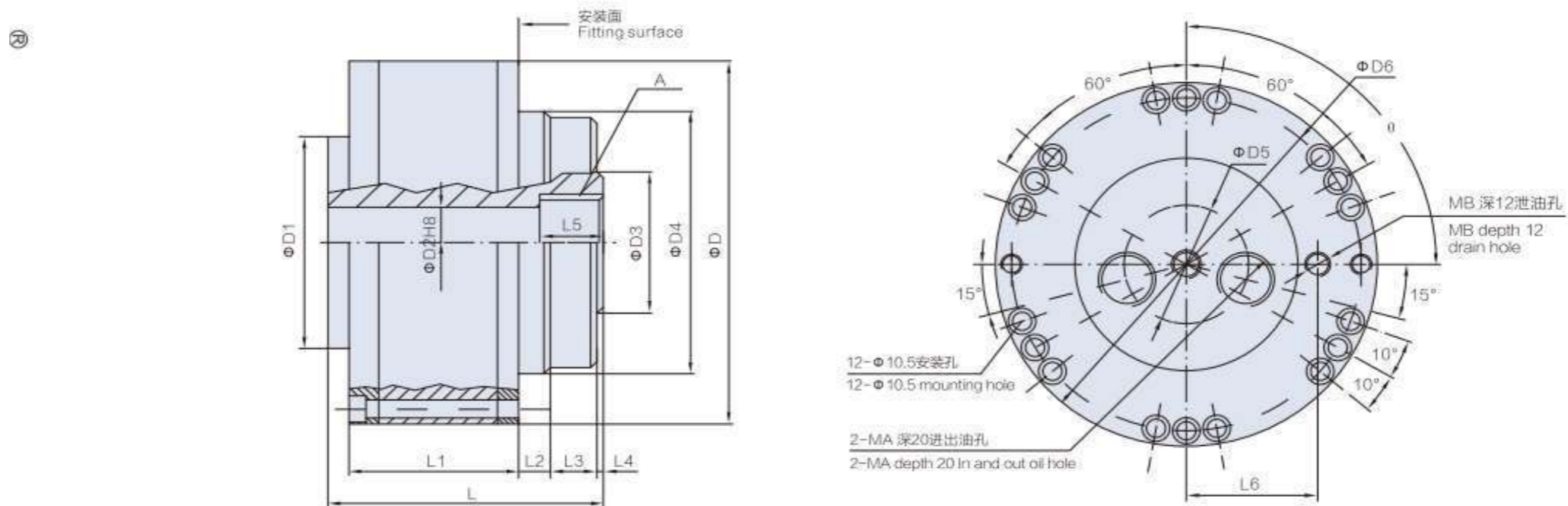
型号 Model	L	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	D	D1	D2	D3	D4	D6	D7	D8	n-D9	MA	MB	MC	α	平键 Flat key	花键 Spline A	重量 Weight (kg)
1QJM12-**-SeZ	350	17	121	87	60	10	13	62	-	24	96	φ240	φ150	M16x1.5	φ69	φ250g7	φ60h7	φ265	φ285	8-φ11	-	2-M33x2	M16x1.5	22.5°	C18x60	-	60
1QJM12-**-SeZH	370	17	121	87	62	12	16	58	39	24	100	φ240	φ150	M16x1.5	φ69	φ290g7	-	φ307	φ327	8-φ11	-	2-M33x2	M16x1.5	22.5°	-	6-90b12x80b12x20d9	60
1QJM21-**-SeZ	410	27	102	100	69.5	14	16	65	-	36	113	φ304	φ150	M18x1.5	φ69	φ310g7	φ70h7	φ330	φ360	8-φ13	M12x1.5	2-M33x2	M22x1.5	22.5°	C20x60	-	8
1/2 QJM32-**-SeZ	446	24	140	115	81	13	16	78	-	35	136	φ320	φ165	M16x1.5	φ79	φ335g7	φ70h7	φ354	φ380	12-φ13	M12x1.5	2-M33x2	M22x1.5	15°	C20x70	-	95
1/2 QJM32-**-SeZH	440	24	140	115	75	13	16	72	55	35	114	φ320	φ165	M16x1.5	φ79	φ335g7	-	φ354	φ380	12-φ13	M12x1.5	2-M33x2	M22x1.5	15°	-	10-98b12x92b12x14d9	95
1/2 QJM42-**-SeZ	466	21	160	124	75	12	18	71	50	44	135	φ350	φ190	M16x1.5	φ100	φ365g7	-	φ398	φ430	12-φ17	M16x1.5	2-M42x2	M22x1.5	15°	-	10-112b12x102b12x16d9	120
1/2 QJM42-**-SeZH	456	21	160	124	75	15	18	71	50	37	120	φ350	φ190	M16x1.5	φ100	φ365g7	-	φ398	φ430	12-φ17	M16x1.5	2-M42x2	M22x1.5	15°	-	10-112b12x102b12x16d9	120
1/2 QJM52-**-SeZ	532	27	175	135	141	17	18	136	-	45	184	φ420	φ220	M16x1.5	φ110	φ395f6	φ78h7	φ418	φ445	12-φ17	M16x1.5	2-M48x2	M22x1.5	15°	C22x132	-	120
1/2 QJM52-**-SeZH	471	27	175	135	71	17	18	-	45	45	114	φ420	φ220	M16x1.5	φ110	φ395f6	-	φ418	φ445	12-φ17	M16x1.5	2-M48x2	M22x1.5	15°	-	12-120b12x112b12x20d9	150

¹/₂ QJM**--**T**型通孔液压马达技术参数¹/₂ QJM**--**T** series technical data

型号 Model	排量 Displacement (L/r)	额定压力 Rated Pressure (Mpa)	尖峰压力 Peak Pressure (Mpa)	转速范围 Rotational Speed Range (r/min)	额定输出扭矩 Rated Output Torque (N.m)	通孔直径 Through hole dia (mm)
1QJM01-0.1T40	0.1	10	16	8-800	148	40
1QJM01-0.16T40	0.163	10	16	8-630	241	40
1QJM01-0.2T40	0.203	10	16	8-500	300	40
1QJM11-0.32T50	0.317	10	16	5-400	468	50
1QJM11-0.4T50	0.404	10	16	5-400	598	50
1QJM11-0.5T50	0.5	10	16	5-320	734	50
$\frac{1}{2}$ QJM21-0.32T65	0.317 / 0.159	16	25	2-500	751 / 376	65
$\frac{1}{2}$ QJM21-0.5T65	0.496 / 0.248	16	25	2-320	1175 / 588	65
$\frac{1}{2}$ QJM21-0.63T65	0.664 / 0.332	16	25	2-250	1572 / 786	65
$\frac{1}{2}$ QJM21-1.0T65	1.01 / 0.505	10	16	2-160	1495 / 748	65
$\frac{1}{2}$ QJM21-1.25T65	1.354 / 0.677	10	16	2-125	2004 / 1002	65
$\frac{1}{2}$ QJM32-0.63T75	0.635 / 0.318	20	25	1-500	1880 / 940	75
$\frac{1}{2}$ QJM32-1.0T75	1.06 / 0.53	20	25	1-400	3138 / 1569	75
$\frac{1}{2}$ QJM32-1.25T75	1.30 / 0.65	20	25	2-320	3833 / 1917	75
$\frac{1}{2}$ QJM32-2.0T75	2.03 / 1.02	16	25	2-200	4807 / 2404	75
$\frac{1}{2}$ QJM32-2.5T75	2.71 / 1.36	10	16	1-160	4011 / 2006	75
$\frac{1}{2}$ QJM42-2.5T80	2.56 / 1.26	20	31.5	1-250	7578 / 3789	80
$\frac{1}{2}$ QJM52-3.2T80	3.24 / 1.62	20	31.5	1-250	9690 / 4795	80
$\frac{1}{2}$ QJM52-4.0T80	4.0 / 2.0	16	25	1-200	9472 / 4736	80
$\frac{1}{2}$ QJM52-5.0T80	5.23 / 2.615	10	16	1-160	7740 / 3870	80
$\frac{1}{2}$ QJM52-6.3T80	6.36 / 3.18	10	16	1-125	9413 / 4707	80
$\frac{1}{2}$ QJM62-4.0T125	4.0 / 2.0	20	31.5	0.5-150	11840 / 5920	125
$\frac{1}{2}$ QJM62-5.0T125	5.18 / 2.59	20	31.5	0.5-125	15333 / 7667	125
$\frac{1}{2}$ QJM62-6.3T125	6.27 / 3.135	16	25	0.5-125	14847 / 7424	125
$\frac{1}{2}$ QJM62-8.0T125	7.85 / 3.925	10	16	0.5-100	11618 / 5809	125
$\frac{1}{2}$ QJM62-10T125	10.15 / 5.057	10	16	0.5-80	15022 / 7501	125

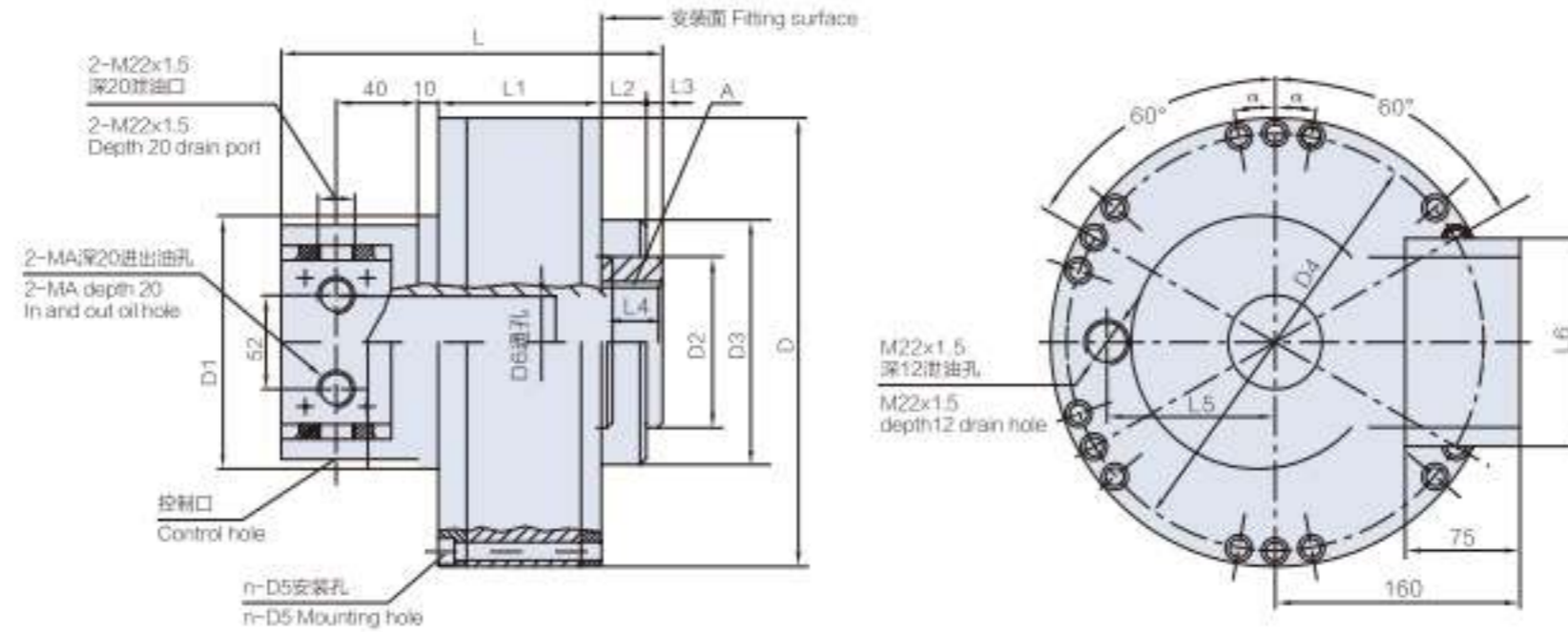
QJM Series Motors Sphere Piston Hydraulic Motors

外形安装图 Installation



型号 Model	L	L1	L2	L3	L4	L5	L6	θ	D	D1	D2	D3	D4	D5	D6	MA	MB	A	重量 Weight (kg)
1QJM01-**-T40	130	79	15	23	3	30	53	180°	$\phi 180$	$\phi 130$	$\phi 40$	$\phi 110$	$\phi 130g6$	$\phi 70$	$\phi 65$	M22 \times 1.5	M12 \times 1.5	6-48H11 \times 42H11 \times 12D9	15
1QJM11-**-T50	139	87	16	17	3	28	87	90°	$\phi 240$	$\phi 150$	$\phi 50$	$\phi 100$	$\phi 160g6$	$\phi 80$	$\phi 220$	M22 \times 1.5	M16 \times 1.5	6-70H11 \times 62H11 \times 16D9	26

外形安装图 Installation



型号 Model	L	L1	L2	L3	L4	L5	L6	D	D1	D2	D3	D4	n-D5	D6	MA	α	A	重量 Weight (kg)
1/2 QJM21-**T50	229	99	29	14	38	100	158	φ300	φ178	φ110	φ160g5	φ283	10-φ11	φ50	M27x2	10°	10-98H11x92H11x14D9	60
1/2 QJM21-**T65	230	98	29	14	37	110	146	φ304	φ186	φ110	φ160g5	φ283	10-φ11	φ65	M33x2	10°	10-98H11x92H11x14D9	64
1/2 QJM32-**T75	273	138	43	10	41	115	148	φ320	φ186	φ120	φ170g5	φ299	10-φ13	φ75	M33x2	10°	10-98H11x92H11x14D9	88
1/2 QJM42-**2.5T80	292	160	18	30	40	124	146	φ350	φ190	φ140	φ200h8	φ320	10-φ13	φ80	M33x2	10°	10-112H11x102H11x16D9	120
1/2 QJM52-**2.5T80	367	175	30	24	45	135	190	φ420	φ220	φ160	φ315g7	φ360	6-φ22	φ80	M48x2	6°	10-120H11x112H11x18D9	162

注: 2QJM52-2.5T80 马达控制口泄油口与上图所示对调

Note: in the pictured above, the 2QJM52-2.5T80 motor's control port and drainage port should exchange with each other.

1QJM62-**T125 型马达外形安装图 Installation

