

## ● 产品概述 INTRODUCTION



QJM 型液压马达与各种油泵、阀及液压件组成液压传动装置，由于它在设计上采取了一定措施，故可适应各种机器工况。该型马达具有重量轻、体积小、调速范围大，可有级变量、工作可靠、寿命长等优点，目前已应用于矿山工程、起重运输，冶金、船舶、机床、塑料加工、地质勘探等领域。主要用在履带行走、轨道轮子驱动、各种回转机构、勘探钻孔、绞车提升、皮带运输传动、物料搅拌、路面切割、船舶推进、塑料注射等部位。

QJM hydraulic motor that can constitute a hydraulic actuator with different oil pumps, valves and hydraulic parts is able to adapt itself to all kinds of mechanical conditions by reason of some measures taken to its design. The motor has many advantages, e.g. light weight, small size, wide speed regulating range, capable of stepping variation, reliable performance and long useful life, etc. It has been widely applied for mine engineering, hoisting transport, metallurgy, ships, machine tools, plastics processing and geological prospecting, etc. It is mainly used for pedrail walking, driving railway wheels, different slewing gears, drilling, winch hoisting, belt transmission, material agitation, cutting road surfaces, ship propulsion, plastics injection, etc.

## ● 性能特点 CHARACTERISTICS

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、重量显著减少。

2、运动副惯量小，钢球结实可靠，故该型马达可以在较高转速和冲击负载下连续工作。

3、磨擦副小，配油轴与转子内力平衡，活塞副具有静压平衡和良好润滑条件，并采用软性塑料球垫密封高压油，因而具有较高的机械和容积效率。

4、因配油轴与定子刚性联结，故该型马达进出油管允许用钢管连接。

5、该型马达具有二级和三级变排量，因而具有较大的调速范围。

6、结构简单，拆修方便。

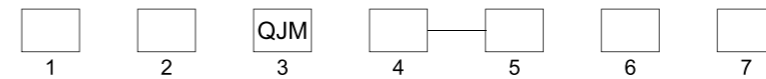
7、该系列标准型液压马达的出轴一般只允许承受扭矩，不能承受径向和轴向外力、\*QJM\*-\*\*Z 型液压马达的出轴可承受径向和轴向外力。

8、\*\*QJM\*\*-\*T\*\* 型马达，中心具有通孔，转动轴可以穿过液压马达。

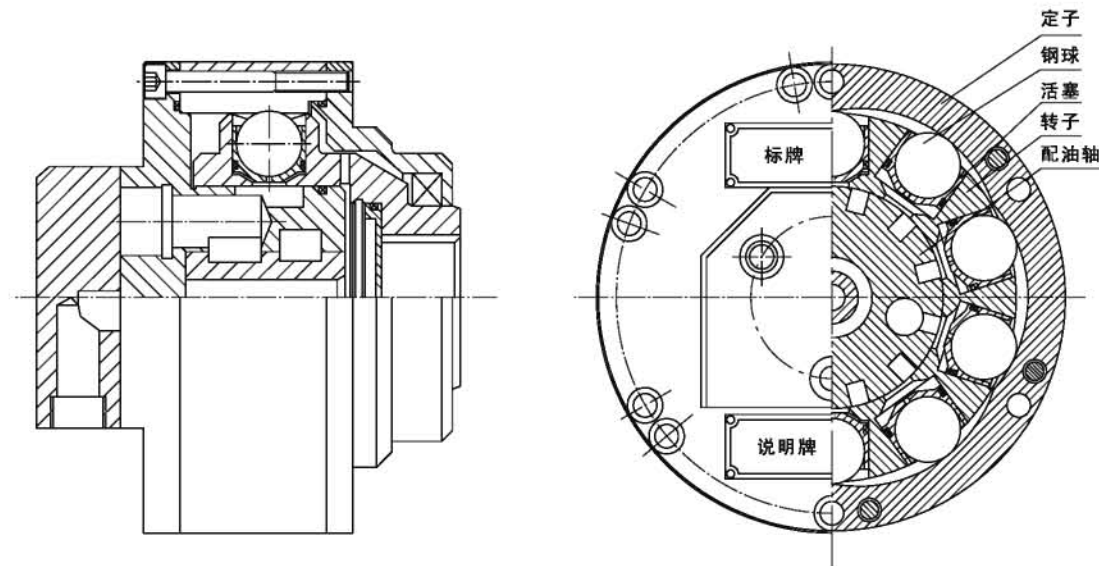
1. Because the rolling body of this motor is replaced by a steel ball rather than two or more rollers and beams commonly used in inner curve hydraulic motors, it is simple in structure, reliable in performance and greatly reduced in volume or weight.
2. A small kinematic pair inertia and a hard steel ball make this motor continuously work during the rotation at higher speed and under stronger impact load.
3. It has higher mechanical and volumetric efficiency for its small friction pair, oil feed shaft balanced with roller, piston pair capable of static pressure balance & good lubrication and coated high pressure sealing oil on soft plastic mat.
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. As this model has variable displacements dual and trinal speeds, it is wider in speed regulating range.
6. Simple structure and easy maintenance.
7. The output shaft of the standard model can only endure the torque rather than outside radial and axial forces, while that one of Z series hydraulic motor can endure outside radial and axial forces.
8. As T series hydraulic motor has a central through hole, the rotating shaft can pass through the motor.

## 型号意义

### ORDERING CODE



- 1- 表示定量，  
1-fixed displacement
- 2- 表示二级变量  
2-Variable displacement dual speeds
- 3- 表示三级变量  
3-Variable displacement trinal speeds
- 2 变量控制方式：  
F- 滑阀手动  
F-manual control with spool Valve,  
L- 螺杆手动  
L-manual Control with screw  
无符号为液控  
no code:hydraulic control
- 3 径向球塞式液压马达  
Radial sphere piston hydraulic motor
- 4 机座号 (同一机座号联接尺寸相同)  
Base number (all the coupling dimensions with the same base number are the same)  
11- 其中 1 表示第 1 种基型, 1 表示活塞为 1 排  
11-1 Stands for the first base, 1 stands for a row of pistons
- 5 排量 (升 / 转)  
Displacement(L/r)
- 6 省略 - 标准形  
no code-standard model  
Z\*- 带支承, \* 表示种类  
Z\*-motor with bearing, \*-mode  
T\*- 通孔, \* 为孔径  
T\*-motor with central through hole, \*-diameter
- 7 B- 带通油接板  
B-Motor with oil passing flange  
S- 带自控式制动器  
S-motor with brake  
Se- 带外控式制动器 (内花键)  
Se-out control brake (female spline)  
SeZ- 带外控式制动器 (平键)  
SeZ-out control brake(key shaft)  
SeZH- 带外控式制动器 (花键)  
SeZH-out control brake(Spline shaft)  
F- 带阀组  
F-with Valve block  
A- 花键尺寸不同于本系列  
A-the spline size is different from this series.



由图可见，QJM型液压马达（标准型）的配油轴是与后盖刚性联结的，而转子体以配油轴作径向支承，以定子滚道和钢球作轴向支承（不另设轴承），它的输出轴是内花键（要求与工作机构输入轴松动配合），所以转子体是浮动的，而配油轴是刚性（它允许用钢管来联结）。压力油经配油轴中通道（或变速阀）分配到通高压腔的配油窗口，进入各活塞缸孔，活塞在压力作用下，通过钢球以N作用到定子上。

$$N = \frac{0.785d^2P}{\cos a}$$

式中d-活塞直径 p-工作油压力 a-压力角

同时定子以与N值相同的反作用力N' 作用到钢球上，钢球以切向力F通过活塞作用于转子体。

$$F = 0.785d^2ptga$$

因此，转子体在F力的作用下绕配油轴旋转，由于同一瞬间有几只活塞都在压力油的作用下，所以产生很大扭矩。

当活塞随转子体旋转至定子曲线顶点后，活塞向轴心回程，活塞缸中工作油经配油轴窗口排回低压腔。如此往复即完成将液压能转换成机械能之任务。

通过改变两个通油口的油流方向，即可实现正反转。

液压马达的有级变量是由变速阀控制的（变速阀已装置在马达中），变速阀可以用手动或先导阀来控制，也可以把变速阀固定在某一个位置，使之变为定量马达（当要求改为定量马达或手动控制时，订货合同中应该注明）当用先导阀来控制时，控制油路的压力应在0.3—10Mpa范围内。

As shown in figure, the oil feed shaft and rear cover of QJM hydraulic motor (standard) are in rigid connection, the roller is supported in radial direction by the oil feed shaft, and in axial direction by the stator groove and steel ball (without bearings), and its output shaft is the inner spline (in loose coordination with the input shaft of its operation mechanism), so the roller is fluctuating while the oil feed shaft is rigid (allowed to be connected with the steel pipe). The hydraulic oil is fed to the oil feed opening to high-pressure cavity through the oil feed shaft channel (or the speed change valve), then the oil enters into every piston cylinder bore to make the piston actuate the ball steel to act on the stator in N for pressure.

$$N = \frac{0.785d^2P}{\cos a}$$

d-piston diameter p-pressure of working oil a-pressure angle

Meanwhile, the stator acts on the steel ball in a counterforce N' the same as N, then the steel ball actuates the piston to act on the roller in a tangential force F.

$$F = 0.785d^2ptga$$

Therefore, the roller rotates around the oil feed shaft in F, then a large torque is caused by the rotation of several pistons at the same time, influenced by the pressure oil.

When the piston rotates to the top of the stator displacement curve around the roller, the piston begins to return to the shaft center, and working oil in the piston cylinder is pushed back into the low pressure cavity through the oil feed shaft opening. Thus, the hydraulic energy is transformed into mechanical energy again and again for repeated operations.

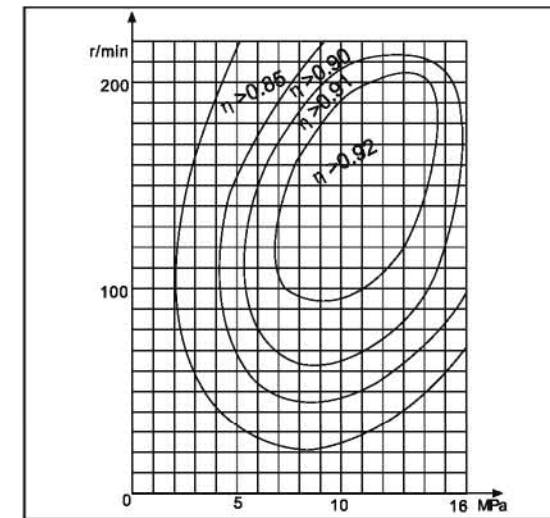
By changing the oil flow direction of two oil feed openings, positive and negative rotations can be realized.

The stepping variable displacement of the hydraulic motor is controlled by the speed change valve (installed in the motor) that can be controlled by hand or the pilot-actuated valve, and also fixed in a position, which makes the motor into a fixed displacement motor (the requirements changed to the fixed displacement motor or manual control should be indicated in the contract). When the motor is controlled by the pilot-actuated valve, the pressure for controlling the oil pipeline should be within the range from 0.3 to 10Mpa.

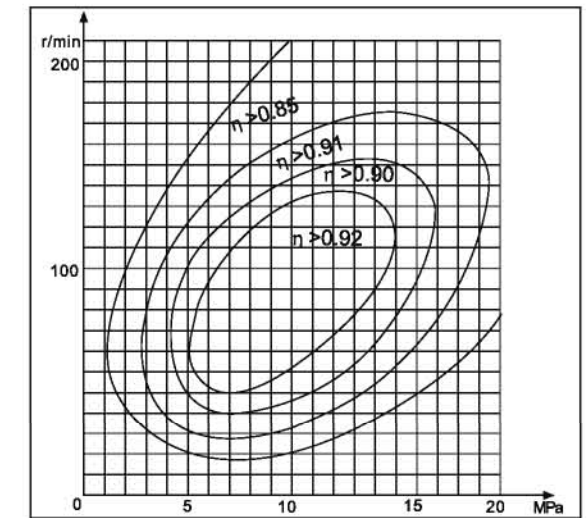
QJM型各基型的额定流量(=额定转速x排量)  
Flow rate of QJM motors=rated speed x displacement

基型 Series	QJM001	QJM01	QJM11	QJM12	QJM21	QJM32	QJM42	QJM52	QJM62
额定流量 Flow rate L/min	50	63	80	80	100	160	250	320	400
外径 Outer diameter (mm)	Φ 140	Φ 180	Φ 240	Φ 240	Φ 300	Φ 320	Φ 350	Φ 420	Φ 485

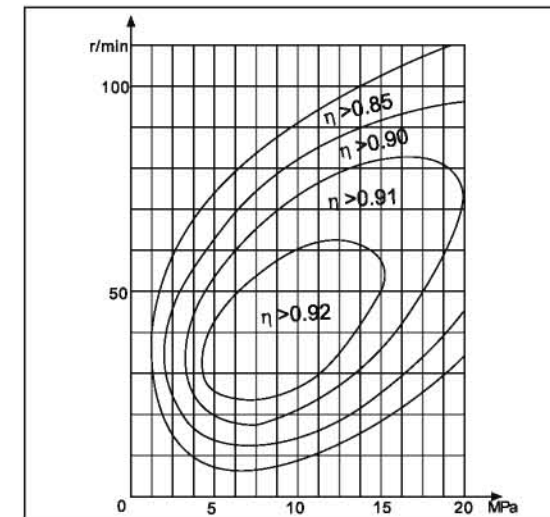
效率特性曲线  
Performance Curve of Efficiency



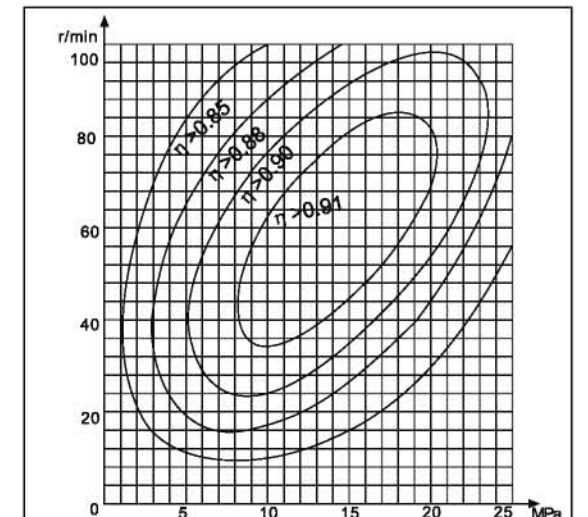
1QJM11-0.5型效率特性曲线  
Model 1QJM11-0.5performance curve of efficiency



1QJM21-0.63型效率特性曲线  
Model 1QJM21-0.63performance curve of efficiency



1QJM32-1.25型效率特性曲线  
Model 1QJM32-1.25performance curve of efficiency



1QJM42-2.5型效率特性曲线  
Model 1QJM42-2.5performance curve of efficiency

## ● 1QJM\*\*---\*\*型液压马达的技术参数

1QJM\*\*---\*\*series Technical Data

型号 Type	排量 Displacement (L/r)	压力 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)
		额定 Rated	尖峰 Peak			
1QJM001-0.08	0.083	10	16	15~400	123	5
1QJM001-0.10	0.104	10	16	15~350	154	5
1QJM002-0.2	0.2	10	16	15~300	295	8
1QJM01-0.1	0.10	10	16	15~500	148	10
1QJM01-0.16	0.163	10	16	15~500	241	12.5
1QJM01-0.2	0.203	10	16	15~450	300	12.5
1QJM02-0.32	0.326	10	16	15~350	483	13
1QJM02-0.4	0.406	10	16	15~300	600	13
1QJM11-0.32	0.339	10	16	15~350	468	20
1QJM11-0.4A1	0.404	10	16	15~350	598	20
1QJM11-0.5	0.496	10	16	15~300	734	20
1QJM11-0.63	0.664	10	16	15~200	983	20
1QJM11-0.63A1	0.664	10	16	15~200	983	20
1QJM12-0.8	0.8	10	16	15~200	1170	25
1QJM12-1.0	1.0	10	16	15~180	1480	25
1QJM12-1.25	1.33	10	16	15~140	1968	25
1QJM21-0.4	0.404	14	20	10~350	810	32
1QJM21-0.5	0.496	14	20	10~280	995	32
1QJM21-0.63	0.664	14	20	10~200	1332	32
1QJM21-0.8	0.808	14	20	10~160	1621	32
1QJM21-1.0	1.01	10	16	10~160	1447	25
1QJM21-1.25	1.354	10	16	10~125	1940	25
1QJM21-1.6	1.65	10	16	10~100	2364	25
1QJM32-0.63	0.635	16	20	10~400	1450	80
1QJM32-0.8	0.808	16	20	10~400	1853	80
1QJM32-1.0	1.06	16	20	10~350	2431	80
1QJM32-1.25	1.295	16	20	10~300	2969	80
1QJM32-1.6	1.649	16	20	10~230	3782	80
1QJM32-2.0	2.03	14	20	10~180	4072	80
1QJM32-2.5	2.71	10	16	10~140	3884	62
1QJM32-3.2	3.2	10	16	10~100	4586	62
1QJM32-4.0	4.0	10	16	10~80	5733	62
1QJM42-2.0	2.11	16	20	10~300	4839	105
1QJM42-2.5	2.56	16	20	10~230	5871	105
1QJM42-3.2	3.24	10	20	10~180	4644	90
1QJM42-4.0	4.0	10	16	10~150	5732	90
1QJM42-4.5	4.6	10	16	10~100	6593	90
1QJM52-2.5	2.67	16	20	8~300	6123	130
1QJM52-3.2	3.24	16	20	8~200	7430	130
1QJM52-4.0	4.0	14	20	8~180	8026	130
1QJM52-5.0	5.23	10	16	8~150	7496	120
1QJM52-6.3	6.36	10	16	8~120	9114	120
1QJM62-4.0	4.0	16	20	5~140	9172	150
1QJM62-5.0	5.18	16	20	5~120	11878	150
1QJM62-6.3	6.27	14	20	5~120	12580	150
1QJM62-8.0	7.85	10	16	5~100	11250	121
1QJM62-10	10.15	10	16	5~80	14547	121

注:各型带支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 various sorts of types hydraulic motors with beating have the same data as standard type hydraulic motors.

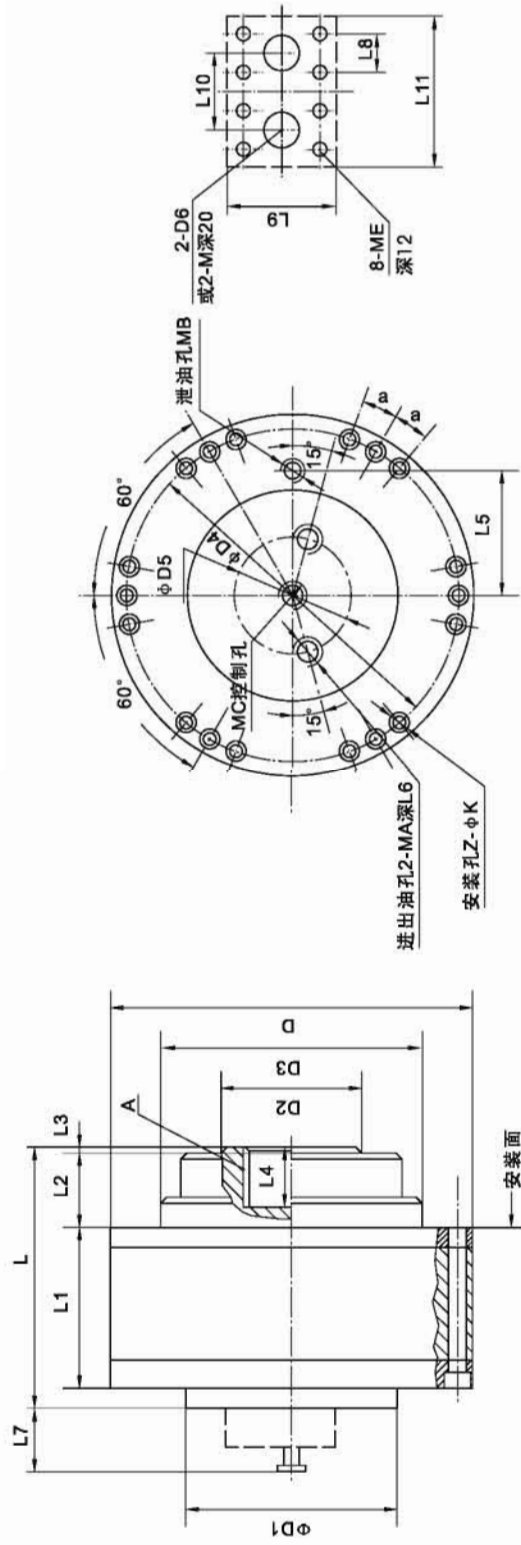
## ● 2QJM\*\*---\*\*型液压马达的技术参数

2QJM\*\*---\*\*series Technical Data

型号 Type	排量 Displacement (L/r)	压力 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)
		额定 Rated	尖峰 Peak			
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	2~500	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
2QJM32-1.6/0.4	1.6 0.4	20	31.5	2~250	4736 1184	80
2QJM32-2.0	2.03 1.015	16	25	2~200	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	4884 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的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 various sorts of variable hydraulic motors with bearing and oil passing valve have the same data as variable hydraulic motors.



外形安装图 Installation

型号 Type	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	a	A	重量 (kg)
1QJM001-***	101	58	38	5	20	43	20	37	-	37	35	63	φ140	-	φ60	φ110g6	φ128	12-φ6.5	-	-	M18x1.5	M12x1.5	-	-	10°	6-48H11x42H11x12D9	7
1QJM01-***	130	80	37	3	30	62	20	-	-	-	-	-	φ180	φ105	φ70	φ130g7	φ165	12-φ9	φ58	-	M27x2	M12x1.5	-	-	10°	6-48H11x42H11x12D9	15
1QJM02-***	162	99	38	3	34	62	20	-	-	-	-	-	φ180	φ105	φ70	φ130g7	φ165	12-φ9	φ58	-	M27x2	M12x1.5	-	-	10°	6-48H11x42H11x12D9	24
1/2 QJM11-***	134	82	33	3	32	87	18	-	-	-	-	-	φ240	φ150	φ110	φ160g7	φ220	12-φ11	φ69	-	M33x2	M16x1.5	M12x1.5	-	10°	6-70H11x62H11x16D9	28
1QJM11-***A	134	82	25	11	38	87	18	-	-	-	-	-	φ240	φ150	φ60	φ200g7	φ220	12-φ11	φ69	-	M33x2	M16x1.5	-	-	10°	8-42H11x36H11x7D9	28
1/2 QJM12-***	165	123	33	2	39	87	20	-	-	-	-	-	φ240	φ150	φ110	φ160g7	φ220	12-φ11	φ69	-	M33x2	M16x1.5	M12x1.5	-	10°	6-90H11x60H11x20D9	39
1/2 QJM21-***	168	99	29	14	38	100	20	-	-	-	-	-	φ304	φ150	φ110	φ160g7	φ283	12-φ11	φ69	-	M33x2	M22x1.5	-	-	10°	6-90H11x60H11x20D9	50
2LSQJM21-***	-	-	-	-	-	-	-	110	-	48	58	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/2 QJM32-***	215	140	42	10	55	115	22	-	-	-	-	-	φ320	φ165	φ120	φ170g7	φ299	12-φ13	φ79	-	M33x2	M22x1.5	-	-	10°	10-98H11x62H11x14D9	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	φ40	M42x2	M22x1.5	-	-	10°	10-112H11x102H11x16D9	90
2LSQJM42-***	-	-	-	-	-	-	-	151	73	105	104	204	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100
1QJM42-***A	207	158	23	5	35	124	22	-	-	-	-	-	φ340	φ190	φ120	φ170g7	φ320	12-φ13	φ100	-	M42x2	M22x1.5	-	-	10°	10-98H11x62H11x14D9	90
1/2 QJM52-***	238	175	30	6	45	135	24	-	-	-	-	-	φ420	φ220	φ160	φ315g7	φ360	6-φ22	φ110	φ40	M48x2	M22x1.5	-	-	6°	10-120H11x12H11x18D9	150
2LSQJM52-***	-	-	-	-	-	-	-	144	73	101	105	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	160
1/2 QJM62-***	264	182	29	11	45	165	24	-	-	-	-	-	φ485	φ255	φ170	φ395g7	φ435	6-φ22	φ128	φ48	M48x2	M22x1.5	-	-	6°	10-120H11x12H11x18D9	200
2LSQJM62-***	-	-	-	-	-	-	-	144	73	101	123	255	-	-	-	-	-	-	-	-	-	-	-	-	-	-	212

● 1/2 QJM\*\*\*-\*\*\*Z(Z2、Z3、Ze3)型液压马达技术参数  
 1/2 QJM\*\*\*-\*\*\*Z(Z2、Z3、Ze3) Type of Hydraulic Motor Technical Data

型号 Type	排量 Displacement (L/r)	压力 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)
		额定 Rated	尖峰 Peak			
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	4-250	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
1/2 QJM21-0.32Z3	0.32 0.16	16	25	2-600	770 384	32
1/2 QJM21-0.4Z3(Ze3)	0.4 0.2	16	25	2-400	957 479	32
1/2 QJM21-0.5Z3(Ze3)	0.496 0.258	16	25	2-320	1175 588	32
1/2 QJM21-0.63Z3(Ze3)	0.664 0.332	16	25	2-250	1572 786	32
1/2 QJM21-0.8Z3(Ze3)	0.808 0.404	16	25	2-200	1913 957	32
1/2 QJM21-1.0Z3(Ze3)	1.01 0.505	10	16	2-160	1495 748	25
1/2 QJM21-1.25Z3(Ze3)	1.354 0.667	10	16	2-125	2004 1002	25
1/2 QJM21-1.6Z3(Ze3)	1.65 0.825	10	16	2-100	2442 1221	25
1/2 QJM32-0.63Z(Z3,Ze3)	0.635 0.318	20	31.5	3-500	1880 940	80
1/2 QJM32-1.0Z(Z3,Ze3)	1.06 0.503	20	31.5	2-400	3138 1519	80
1/2 QJM32-1.25Z(Z3,Ze3)	1.295 0.648	20	31.5	2-320	3833 1917	80
1/2 QJM32-1.6Z(Z3,Ze3)	1.649 0.825	20	31.5	2-250	4881 2441	80
1/2 QJM32-2.0Z(Z3,Ze3)	2.03 1.015	16	25	2-200	4807 2404	80
1/2 QJM32-2.5Z(Z3,Ze3)	2.71 1.355	10	16	1-160	4011 2006	62
1/2 QJM32-3.2Z(Z3,Ze3)	3.3 1.65	10	16	1-125	4884 2442	62
1/2 QJM52-2.5Z	2.67 1.335	20	31.5	1-200	7903 3952	130
1/2 QJM52-3.2Z	3.24 1.62	20	31.5	1-200	9590 4795	130
1/2 QJM52-4.0Z	4.0 2.0	16	25	1-200	9472 4736	130
1/2 QJM52-5.0Z	5.23 2.165	10	16	1-160	7740 3870	120
1/2 QJM52-6.3Z	6.36 3.18	10	16	1-125	9413 4707	120
1/2 QJM62-4.0Z	4.0 2.0	20	31.5	0.5-150	11840 5920	150
1/2 QJM62-5.0Z	5.18 2.59	20	31.5	0.5-125	15333 7667	150
1/2 QJM62-6.3Z	6.27 3.135	16	25	0.5-125	14847 7424	150
1/2 QJM62-8.0Z	7.85 3.925	10	16	0.5-100	11618 5809	121
1/2 QJM62-10Z	10.15 5.075	10	16	0.5-80	15022 7511	121

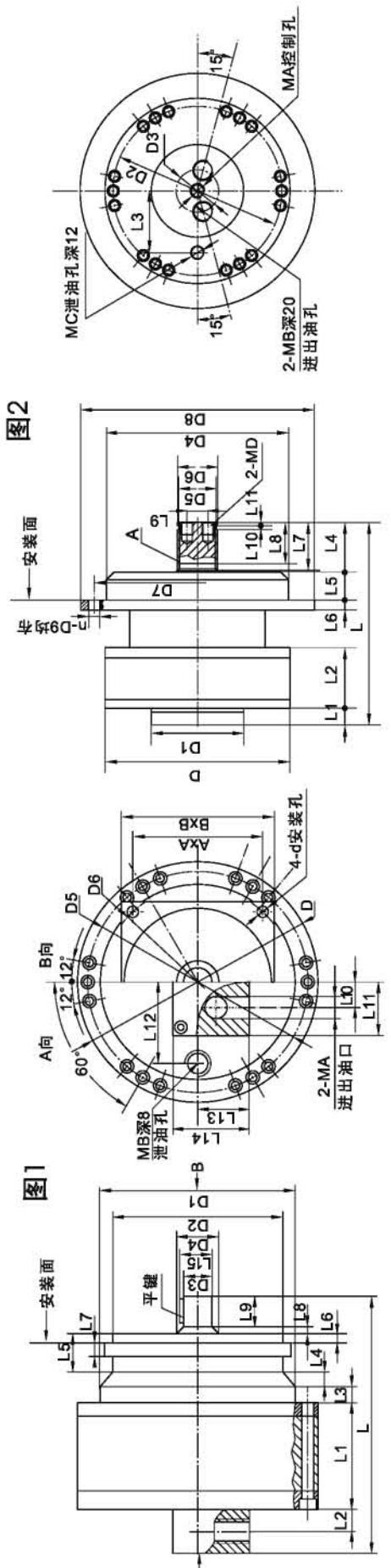


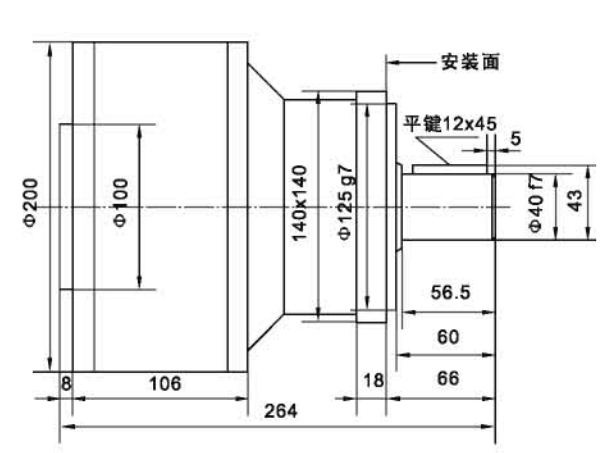
图1外形安装图 Installation

型号 Type	L	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13	L14	L15	D	D1	D2	D3	D4	D5	D6	D7	D8	n-D9	MA	MB	MC	MD	平键	花键A	重量 (kg)
1QJM001-**-Z	68	17	6	16	70	48	12	3	40	17.5	31.5	43	32	49	28	φ141	φ110	φ75g7	φ25h8	φ35	φ128	-	φ11	M18x1.5	M12x1.5	70x70	90x90	8x36	-	10			
1QJM002-**-Z	88	19	6	16	70	48	12	3	40	17.5	31.5	43	32	49	28	φ141	φ110	φ75g7	φ25h8	φ35	φ128	-	φ11	M18x1.5	M12x1.5	70x70	90x90	8x36	-	12			
1QJM02-**-Z	290	102	-	52	32	5	18	3	56.5	28	50	60	41	82	43	φ180	-	φ125g7	φ40h6	-	φ165	φ160	φ13.5	G3/4"	M12x1.5	-	140x140	12x45	-	24			
1QJM12-**-Z	472	123	40	-	162	10	20	30	82	34.5	75	87	40	70	53.5	φ240	-	φ160g7	φ40f7	φ60	φ220	φ200	φ18	M33x2	M16x1.5	-	178x178	14x70	-	70			

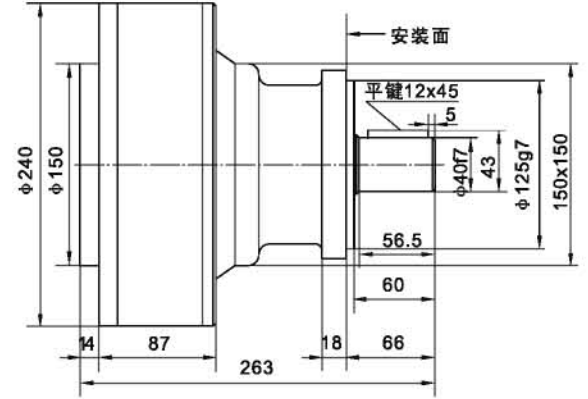
图2外形安装图 Installation

型号 Type	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	花键A	重量 (kg)
1QJM21-**-Z3	328	26	99	100	81	55	16	78	66	38	-	-	φ304	φ150	φ283	φ69	φ295f9	-	φ65f7	φ335	φ379	6-φ18	M12x1.5	M33x2	M22x1.5	2-M12深20	C18x75	-	75
1QJM21-**-Z63	378	26	113	100	81	38	16	78	66	38	-	-	φ304	φ150	φ283	φ69	φ220f9	-	φ65f7	φ260	φ300	6-φ18	M12x1.5	M33x2	M22x1.5	2-M12深20	C18x75	-	80
1QJM32-**-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	M22x1.5	2-M12深25	-	10-82b11x72b11x129	106
1QJM32-**-Z2	395	22	139	115	140	22	21	86	65	-	-	-	φ320	φ165	φ299	φ79	φ340f9	φ79	φ92b11	φ390	φ430	6-φ17	M12x1.5	M33x2	M22x1.5	2-M12深20	-	10-82g6x72b12x129	106
1QJM32-**-Z63	446	24.5	138	115	81	55	16	78	66	-	-	-	φ320	φ165	φ299	φ79	φ295f9	-	φ65f7	φ335	φ379	6-φ18	M12x1.5	M33x2	M22x1.5	中央孔M16深25	C18x75	-	140
1QJM32-**-Z3	363.5	24.5	138	115	81	55	16	78	66	38	-	-	φ320	φ165	φ299	φ79	φ295f9	-	φ65f7	φ335	φ379	6-φ18	M12x1.5	M33x2	M22x1.5	2-M12深25	C18x75	-	108
1QJM52-**-Z	516	27	176	135	131	10	30	131	131	-	-	-	φ420	φ220	φ360	φ110	φ290f7	-	φ78f7	φ340	φ370	8-φ20	M16x1.5	M48x2	M22x1.5	中央孔M16深40	C22x132	-	190
1QJM62-**-Z	487	42	162	165	157	5	20	155	152	-	-	-	φ485	φ255	φ435	φ128	φ400f8	-	φ101.55	φ490	φ530	8-φ22	M16x1.5	M48x2	M22x1.5	-	A25.4x120	-	240

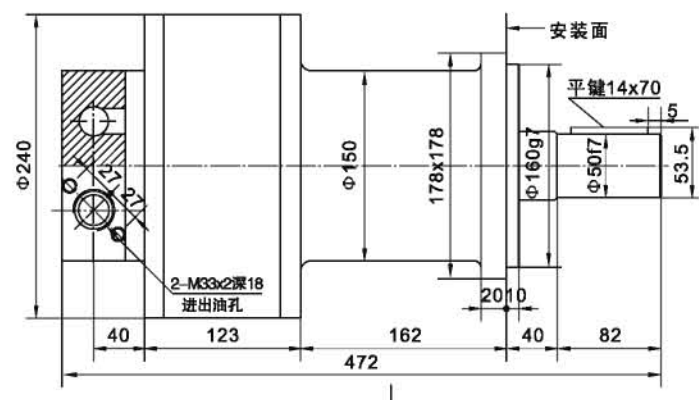
1QJM02-\*\*-Z2 外形安装图 INSTALLATION



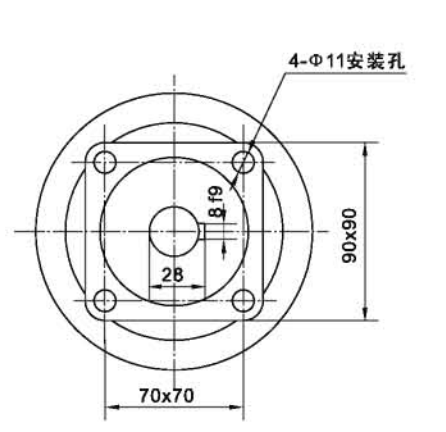
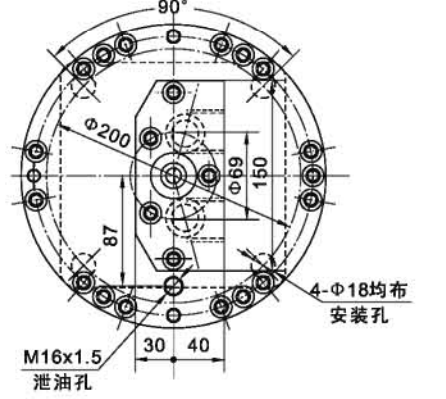
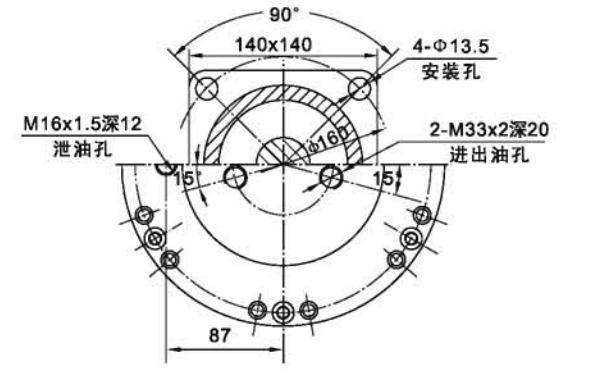
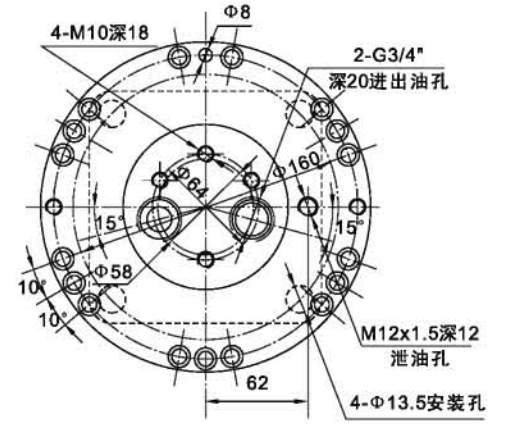
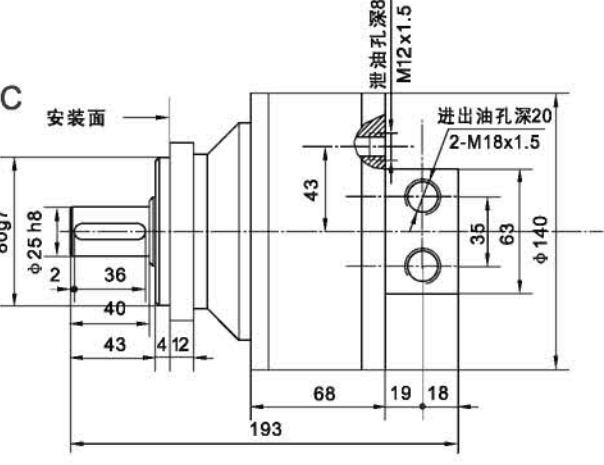
\*\*QJM11-\*\*-Z 外形安装图 INSTALLATION



1QJM12-\*\*-Z 外形安装图 INSTALLATION



1QJM001-0.1ZC 外形安装图 INSTALLATION

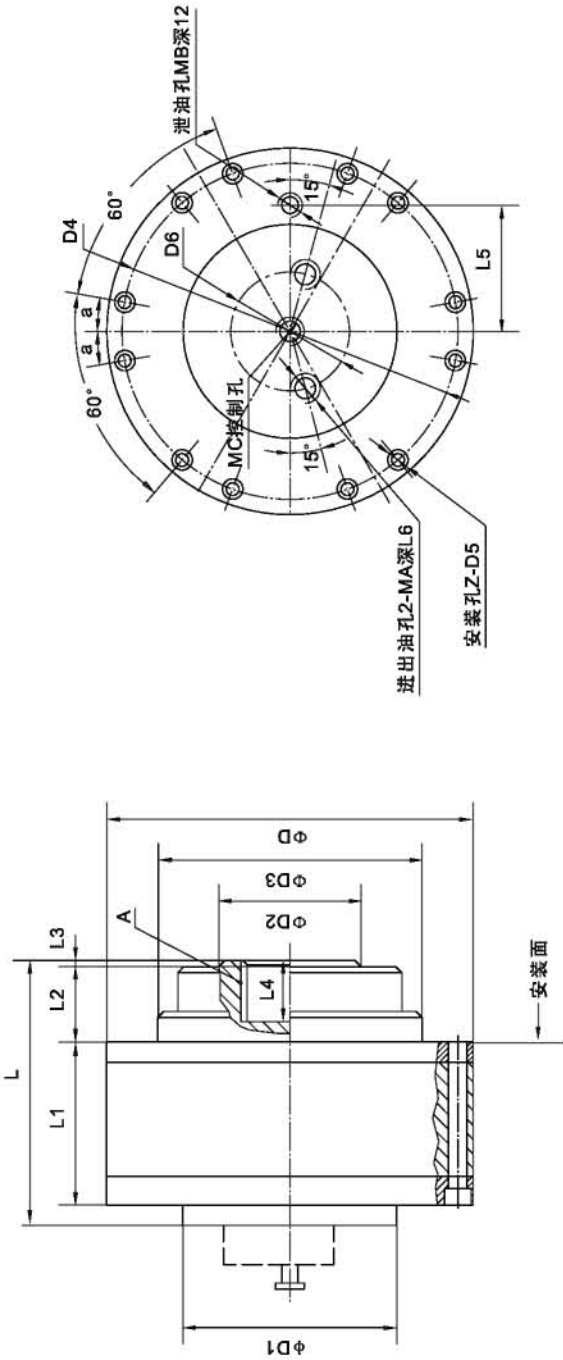


●  $\frac{1}{2}$ QJM\*\*---\*\*S型自控式带制动器液压马达的技术参数  
 Technical data of  $\frac{1}{2}$ QJM\*\*---\*\*S series hydraulic motor with brake

型号 Type	排量 Displacement (L/r)	压力 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)
		额定 Rated	尖峰 Peak				
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	2~320	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

●  $\frac{1}{2}$ QJM\*\*---\*\*S型自控式带制动器液压马达技术参数  
 Technical data of  $\frac{1}{2}$ QJM\*\*---\*\*S series hydraulic motor with brake

型号 Type	排量 Displacement (L/r)	压力 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)
		额定 Rated	尖峰 Peak				
$\frac{1}{2}$ QJM32-0.63S	0.635 0.318	20	31.5	3~500	1880 940	4~7	≥2500
$\frac{1}{2}$ QJM32-0.8S	0.808 0.404	20	31.5	2~450	2368 1184	4~7	≥2500
$\frac{1}{2}$ QJM32-1.0S	1.06 0.53	20	31.5	2~400	3138 1569	4~7	≥2500
$\frac{1}{2}$ QJM32-1.25S	1.295 0.648	20	31.5	2~320	3833 1916	3~5	≥2500
$\frac{1}{2}$ QJM32-1.6S	1.649 0.825	20	31.5	2~250	4881 2440	3~5	≥2500
$\frac{1}{2}$ QJM32-2.0S	2.03 1.015	16	25	2~200	4807 2403	3~5	≥2500
$\frac{1}{2}$ QJM32-2.5S	2.71 1.355	10	16	1~160	4011 2005	3~5	≥2500
$\frac{1}{2}$ QJM32-3.2S	3.3 1.65	10	16	1~125	4884 2442	3~5	≥2500
$\frac{1}{2}$ QJM32-4.0S	4.0 2.00	10	16	1~100	5920 2960	3~5	≥2500
$\frac{1}{2}$ QJM32-0.63S2	0.635 0.318	20	31.5	3~500	1880 940	4~7	≥4000
$\frac{1}{2}$ QJM32-0.8S2	0.808 0.404	20	31.5	1~450	2368 1184	4~7	≥4000
$\frac{1}{2}$ QJM32-1.0S2	0.993 0.497	20	31.5	2~400	3138 1069	4~7	≥4000
$\frac{1}{2}$ QJM32-1.25S2	1.295 0.648	20	31.5	2~320	3833 1916	3~5	≥4000
$\frac{1}{2}$ QJM32-1.6S2	1.649 0.825	20	31.5	2~250	4881 2440	3~5	≥4000
$\frac{1}{2}$ QJM32-2.0S2	2.03 1.015	16	25	2~200	4807 2403	3~5	≥4000
$\frac{1}{2}$ QJM32-2.5S2	2.71 1.355	10	16	1~160	4011 2005	3~5	≥4000
$\frac{1}{2}$ QJM32-3.2S2	3.3 1.65	10	16	1~125	4884 2442	3~5	≥4000
$\frac{1}{2}$ QJM32-4.0S2	4.0 2.0	10	16	1~100	5920 2960	3~5	≥4000
$\frac{1}{2}$ QJM42-2.0S	2.11 1.055	20	31.5	1~320	6246 3123	4~7	≥5000
$\frac{1}{2}$ QJM42-2.5S	2.56 1.28	20	31.5	1~250	7578 3769	4~7	≥5000
$\frac{1}{2}$ QJM42-3.2S	3.28 1.64	10	16	1~200	4850 2425	4~6	≥5000
$\frac{1}{2}$ QJM42-4.0S	4.0 2.0	10	16	1~160	5920 2960	3~5	≥5000
$\frac{1}{2}$ QJM42-4.5S	4.56 2.28	10	16	1~125	6808 3404	3~5	≥5000
$\frac{1}{2}$ QJM52-2.5S	2.67 1.335	20	31.5	1~320	7903 3951	4~7	≥6000
$\frac{1}{2}$ QJM52-3.2S	3.24 1.62	20	31.5	1~250	9590 4795	4~7	≥6000
$\frac{1}{2}$ QJM52-4.0S	4.0 2.0	16	25	1~200	9472 4736	4~6	≥6000
$\frac{1}{2}$ QJM52-5.0S	5.23 2.615	16	25	1~160	7740 3870	3~5	≥6000
$\frac{1}{2}$ QJM52-6.3S	6.36 3.18	16	25	1~125	9413 4706	3~5	≥6000



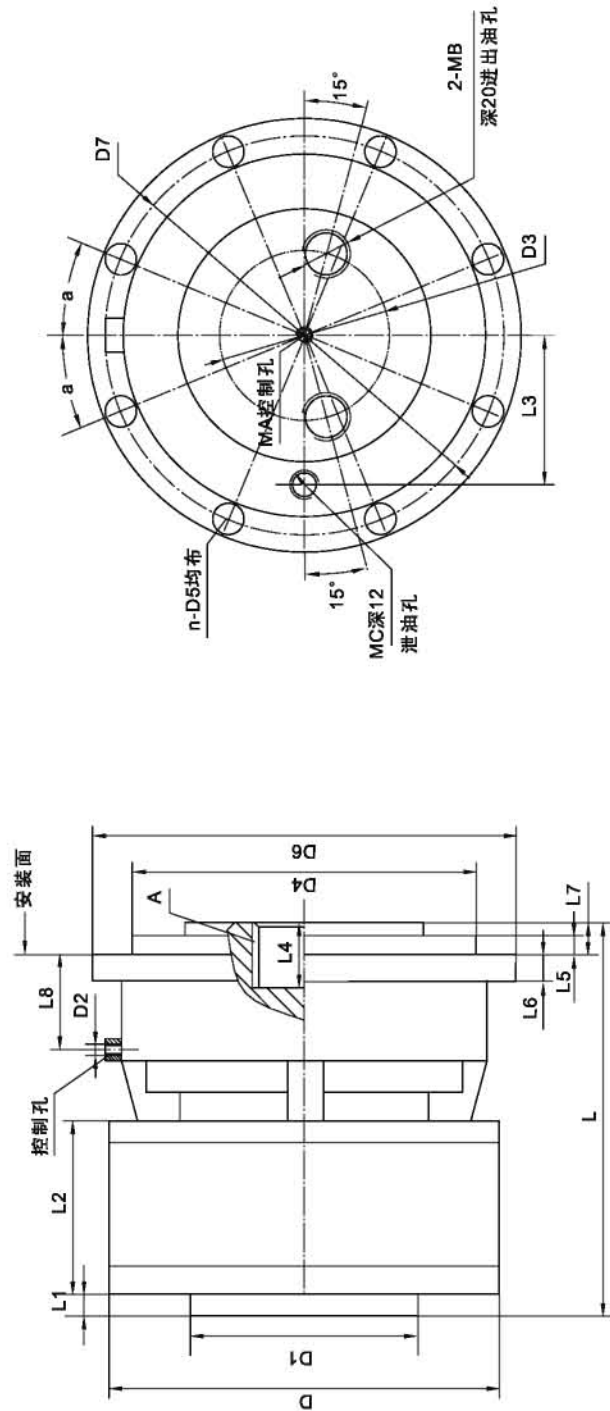
外形安装图 Installation

型号 Type	L	L1	L2	L3	L4	L5	L6	D	D1	D2	D3	D4	Z-D5	D6	MA	MB	MC	a	A	重量 (kg)
$\frac{1}{2}$ QJM11-***S	146.5	97	20	11.5	28	87	20	$\phi 240$	$\phi 150$	$\phi 100$	$\phi 160g7$	$\phi 220$	12- $\phi 11$	$\phi 69$	M33x2	M16x1.5	M12x1.5	10°	6-70H11x62H11x16D9	35
$\frac{1}{2}$ QJM21-***S	170	117	17	7	31	100	20	$\phi 304$	$\phi 150$	$\phi 100$	$\phi 160g7$	$\phi 283$	12- $\phi 11$	$\phi 69$	M33x2	M22x1.5	M12x1.5	10°	6-90H11x80H11x20D9	53
$\frac{1}{2}$ QJM32-***S	231	140	58	7	55	115	20	$\phi 320$	$\phi 165$	$\phi 120$	$\phi 280g7$	$\phi 299$	12- $\phi 13$	$\phi 79$	M33x2	M22x1.5	M12x1.5	10°	10-98H11x92H11x14D9	86
$\frac{1}{2}$ QJM32-***S2	252	167.5	58	3	55	115	20	$\phi 320$	$\phi 165$	$\phi 120$	$\phi 280g7$	$\phi 299$	12- $\phi 13$	$\phi 79$	M33x2	M22x1.5	M12x1.5	10°	10-98H11x92H11x14D9	86
$\frac{1}{2}$ QJM42-***S	229	187	16	3	35	124	22	$\phi 350$	$\phi 190$	$\phi 140$	$\phi 200g7$	$\phi 320$	12- $\phi 13$	$\phi 100$	M42x2	M22x1.5	M12x1.5	10°	10-112H11x102H11x16D9	108
$\frac{1}{2}$ QJM52-***S	266	187	56	3	55	135	24	$\phi 420$	$\phi 220$	$\phi 160$	$\phi 315g7$	$\phi 360$	10- $\phi 22$	$\phi 110$	M48x2	M22x1.5	M12x1.5	6°	10-120H11x112H11x18D9	167

●  $\frac{1}{2}$ QJM\*\*---\*\*Se型外控式带制动器液压马达技术参数

Technical data of out control  $\frac{1}{2}$ QJM\*\*---\*\*Se series hydraulic motor with brake

型号 Type	排量 Displacement (L/r)	压力 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)
		额定 Rated	尖峰 Peak				
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



外形安装图 Installation

型号 Type	L	L1	L2	L3	L4	L5	L6	L7	L8	D	D1	D2	D3	D4	Z-D5	D6	D7	MA	MB	MC	a	A	重量 (kg)
1QJM12-***Se	288	17	121	87	60	12	13	25	33	φ240	φ150	M16x1.5	φ69	φ290g7	8-φ11	φ327	φ307	-	2-M33x2	M16x1.5	22.5°	6-90H1x80H11x20D9	50
1/2QJM21-***Se	245	27	102	100	60	18.5	16	24	36	φ304	φ150	M18x1.5	φ69	φ310g7	8-φ13	φ360	φ330	M12x1.5	2-M33x2	M22x1.5	22.5°	6-90H1x80H11x20D9	95
1QJM32-***Se	271	24	140	115	55	13	16	19	35	φ320	φ165	M16x1.5	φ79	φ335g7	8-φ13	φ380	φ354	M12x1.5	2-M33x2	M22x1.5	15°	10-98H1x82H11x14D9	120
1/2QJM42-***Se	278	21	160	124	35	15	18	22	45	φ350	φ190	M16x1.5	φ100	φ395f6	12-φ17	φ445	φ418	M16x1.5	2-M42x2	M22x1.5	15°	10-112H1x102H11x16D9	150
1/2QJM52-***Se	318	27	175	135	45	17	18	22	45	φ420	φ220	M16x1.5	φ110	φ395f6	12-φ17	φ445	φ418	M16x1.5	2-M48x2	M22x1.5	15°	10-120H1x112H11x18D9	200

1/2 QJM\*\*---\*\*SeZ(SeZH)型外控式带制动器液压马达技术参数

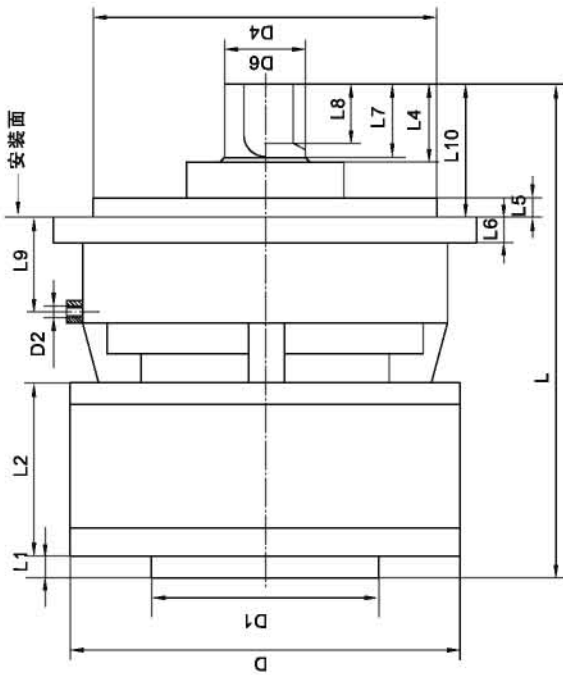
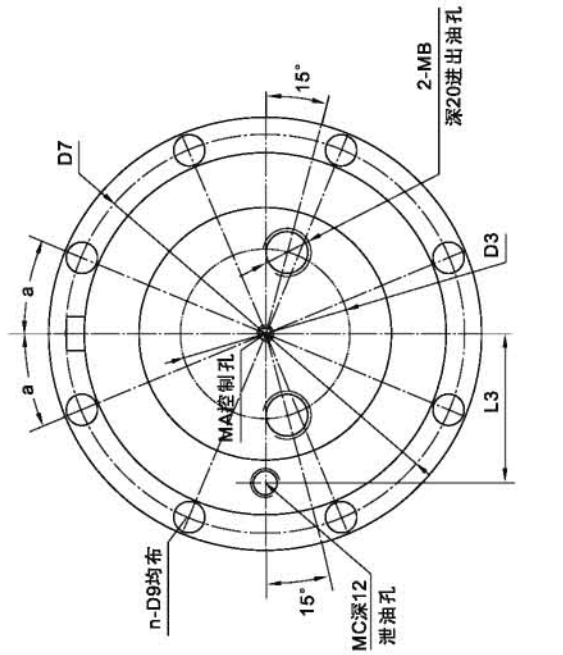
Technical data of out control 1/2 QJM\*\*---\*\*SeZ(SeZH) hydraulic motor with bearing and outside brake

型号 Type	排量 Displacement (L/r)	压力 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)
		额定 Rated	尖峰 Peak				
1QJM12-0.8SeZ	0.808	10	16	4~250	1076	1.3≤P≤6.3	≥1800
1QJM12-1.0SeZ	0.993	10	16	4~200	1332	1.3≤P≤6.3	≥1800
1QJM12-1.25SeZ	1.328	10	16	4~160	1771	1.3≤P≤6.3	≥1800
1/2QJM21-0.32SeZ	0.317 0.158	16	25	2~500	751 376	2.5≤P≤6.3	≥2500
1/2QJM21-0.4SeZ	0.404 0.202	16	25	2~400	957 478	2.5≤P≤6.3	≥2500
1/2QJM21-0.5SeZ	0.496 0.248	16	25	2~320	1175 588	2.5≤P≤6.3	≥2500
1/2QJM21-0.63SeZ	0.664 0.332	16	25	2~250	1572 786	2.5≤P≤6.3	≥2500
1/2QJM21-0.8SeZ	0.808 0.404	16	25	2~200	1913 956	2.5≤P≤6.3	≥2500
1/2QJM21-1.0SeZ	1.01 0.505	10	16	2~160	1495 748	2.5≤P≤6.3	≥2500
1/2QJM21-1.25SeZ	1.354 0.677	10	16	2~125	2004 1002	2.5≤P≤6.3	≥2500
1/2QJM21-1.6SeZ	1.65 0.825	10	16	2~100	2442 1221	2.5≤P≤6.3	≥2500
1/2QJM32-0.63SeZ	0.635 0.318	20	31.5	3~500	1880 940	2.5≤P≤6.3	≥6000
1/2QJM32-0.8SeZ	0.808 0.404	20	31.5	3~500	2368 1184	2.5≤P≤6.3	≥6000
1/2QJM32-1.0SeZ	0.993 0.497	20	31.5	2~400	3138 1519	2.5≤P≤6.3	≥6000
1/2QJM32-1.25SeZ	1.328 0.664	20	31.5	2~320	3833 1917	2.5≤P≤6.3	≥6000
1/2QJM32-1.6SeZ	1.616 0.808	20	31.5	2~250	4881 2441	2.5≤P≤6.3	≥6000
1/2QJM32-2.0SeZ	2.03 1.015	16	25	2~200	4807 2404	2.5≤P≤6.3	≥6000
1/2QJM32-2.5SeZ	2.71 1.335	10	16	4~160	4011 2006	2.5≤P≤6.3	≥6000
1/2QJM32-3.2SeZ	3.3 1.65	10	16	1~125	4884 2442	2.5≤P≤6.3	≥6000
1/2QJM32-4.0SeZ	4.0 2.0	10	16	1~100	5920 2960	2.5≤P≤6.3	≥6000
1/2QJM42-2.0SeZ	2.11 1.055	20	31.5	1~320	6246 3123	2.1≤P≤6.3	≥9000
1/2QJM42-2.5SeZ	2.56 1.28	20	31.5	1~250	7578 3789	2.1≤P≤6.3	≥9000
1/2QJM42-3.2SeZ	3.3 1.65	10	16	1~200	4884 2442	2.1≤P≤6.3	≥9000
1/2QJM42-4.0SeZ	4.0 2.0	10	16	1~160	5920 2960	2.1≤P≤6.3	≥9000
1/2QJM42-4.5SeZ	4.56 2.28	10	16	1~125	6808 3404	2.1≤P≤6.3	≥9000
1/2QJM52-2.5SeZ	2.67 1.335	20	31.5	1~320	7903 3952	-	-
1/2QJM52-3.2SeZ	3.24 1.62	20	31.5	1~250	9590 4795	-	-
1/2QJM52-4.0SeZ	4.0 2.0	16	25	1~200	9472 4736	-	-
1/2QJM52-5.0SeZ	5.23 2.615	10	16	1~160	7740 3870	-	-
1/2QJM52-6.3SeZ	6.36 3.18	10	16	1~125	9413 4707	-	-

注: 1/2 QJM\*\*---\*\*SeZH的技术参数与上表中相应排量的液压马达技术参数相同

Note: Technical data of 1/2 QJM\*\*---\*\*SeZH hydraulic motor have the same data as 1/2 QJM\*\*---\*\*SeZ hydraulic motors.





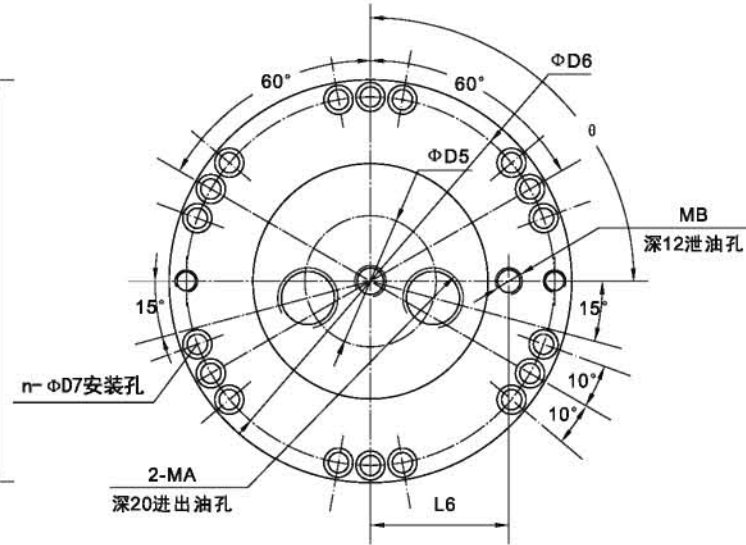
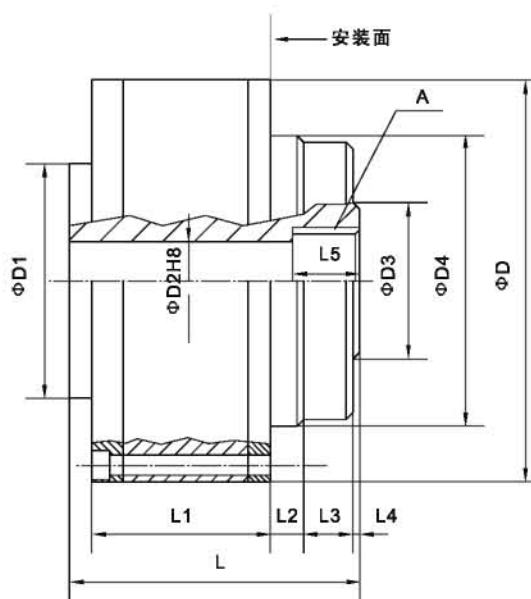
外形安装图 Installation

型号 Type	L	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	D	D1	D2	D3	D4	D6	D7	D8	n-D9	MA	MB	MC	a	平键	花键	重量 (kg)		
1QJM12-***SeZ	350	17	121	87	66	10	13	62	-	24	96	Φ240	Φ150	Φ150	Φ165	Φ150	Φ69	Φ250g7	Φ60h7	Φ265	Φ285	8-Φ11	-	2-M33x2	M16x1.5	22.5°	C18x60	-	60
1QJM12-***SeZH	370	17	121	87	62	12	13	58	39	24	100	Φ240	Φ150	Φ165	Φ150	Φ69	Φ290g7	-	Φ307	Φ327	8-Φ11	-	2-M33x2	M16x1.5	22.5°	-	6-90h12x60h12x20x60	-	60
1QJM21-***SeZ	410	27	102	100	69.5	14	16	65	-	36	113	Φ304	Φ150	Φ181x1.5	Φ69	Φ310g7	Φ70h7	Φ330	Φ360	8-Φ13	M12x1.5	2-M33x2	M22x1.5	22.5°	C20x60	-	80		
1QJM32-***SeZ	416	24	140	115	81	13	16	78	-	35	136	Φ320	Φ165	Φ165	Φ165	Φ79	Φ335g7	Φ70h7	Φ354	Φ380	12-Φ13	M12x1.5	2-M33x2	M22x1.5	15°	C20x70	-	95	
1QJM32-***SeZH	410	24	140	115	75	13	16	72	55	35	114	Φ320	Φ165	Φ165	Φ165	Φ79	Φ335g7	-	Φ354	Φ380	12-Φ13	M12x1.5	2-M33x2	M22x1.5	15°	-	10-98h12x62h12x1469	-	95
1QJM42-***SeZ	466	21	160	124	75	12	18	71	50	44	135	Φ350	Φ190	Φ165	Φ165	Φ100	Φ365g7	-	Φ398	Φ430	12-Φ17	M16x1.5	2-M42x2	M22x1.5	15°	-	10-112h12x102h12x1668	120	
1QJM42-***SeZH	456	21	160	124	75	15	18	71	50	37	120	Φ350	Φ190	Φ165	Φ165	Φ100	Φ365g7	-	Φ398	Φ430	12-Φ17	M16x1.5	2-M42x2	M22x1.5	15°	-	10-112h12x102h12x1668	120	
1QJM52-***SeZ	532	27	175	135	141	17	18	136	-	45	184	Φ420	Φ220	Φ165	Φ165	Φ110	Φ395f6	Φ78h7	Φ418	Φ445	12-Φ17	M16x1.5	2-M48x2	M22x1.5	15°	C22x132	-	150	
1QJM52-***SeZH	471	27	175	135	71	17	18	-	45	45	114	Φ420	Φ220	Φ165	Φ165	Φ110	Φ395f6	-	Φ418	Φ445	12-Φ17	M16x1.5	2-M48x2	M22x1.5	15°	-	12-120h12x112h12x2008	150	

● 1/2 QJM\*\*---\*\*T\*\*型通孔液压马达技术参数

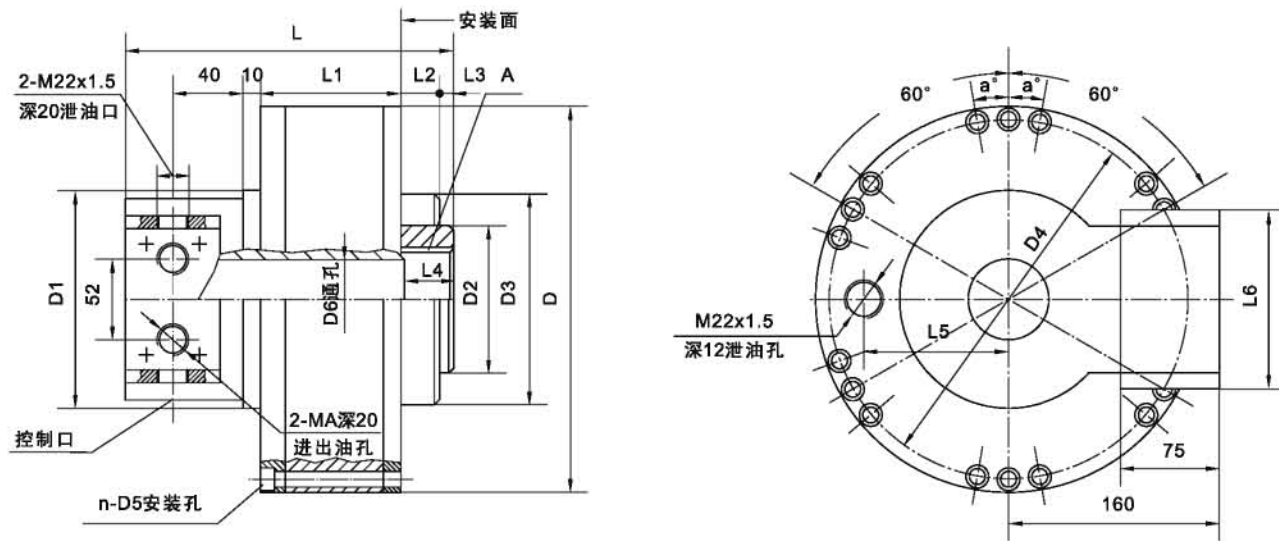
1/2 QJM\*\*---\*\*T\*\*series Technical Data

型号 Type	排量 Displacement (L/r)	压力 Pressure(Mpa)		转速范围 Rotational Speed range (r/min)	额定输出扭矩 Rated output Torgue (N·m)	通孔直径 Through hole dia mm
		额定 Rated	尖峰 Peak			
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
1/2 QJM21-0.32T65	0.317 0.159	16	25	2~500	751 376	65
1/2 QJM21-0.5T65	0.496 0.248	16	25	2~320	1175 588	65
1/2 QJM21-0.63T65	0.664 0.332	16	25	2~250	1572 786	65
1/2 QJM21-1.0T65	1.01 0.505	10	16	2~160	1495 748	65
1/2 QJM21-1.25T65	1.354 0.677	10	16	2~125	2004 1002	65
1/2 QJM32-0.63T75	0.635 0.318	20	25	1~500	1880 940	75
1/2 QJM32-1.0T75	1.06 0.53	20	25	1~400	3138 1519	75
1/2 QJM32-1.25T75	1.30 0.65	20	25	2~320	3833 1917	75
1/2 QJM32-2.0T75	2.03 1.02	16	25	2~200	4807 2404	75
1/2 QJM32-2.5T75	2.71 1.36	10	16	1~160	4011 2006	75
1/2 QJM42-2.5T80	2.56 1.26	20	31.5	1~250	7578 3789	80
1/2 QJM52-3.2T80	3.24 1.62	20	31.5	1~250	9590 4795	80
1/2 QJM52-4.0T80	4.0 2.0	16	25	1~200	9472 4736	80
1/2 QJM52-5.0T80	5.23 2.615	10	16	1~160	7740 3870	80
1/2 QJM52-6.3T80	6.36 3.18	10	16	1~125	9413 4707	80
1/2 QJM62-4.0T125	4.0 2.0	20	31.5	0.5~150	11840 5920	125
1/2 QJM62-5.0T125	5.18 2.59	20	31.5	0.5~125	15333 7667	125
1/2 QJM62-6.3T125	6.27 3.135	16	25	0.5~125	14847 7424	125
1/2 QJM62-8.0T125	7.85 3.925	10	16	0.5~100	11618 5809	125
1/2 QJM62-10T125	10.15 5.075	10	16	0.5~80	15022 7501	125



外形安装图 Installation

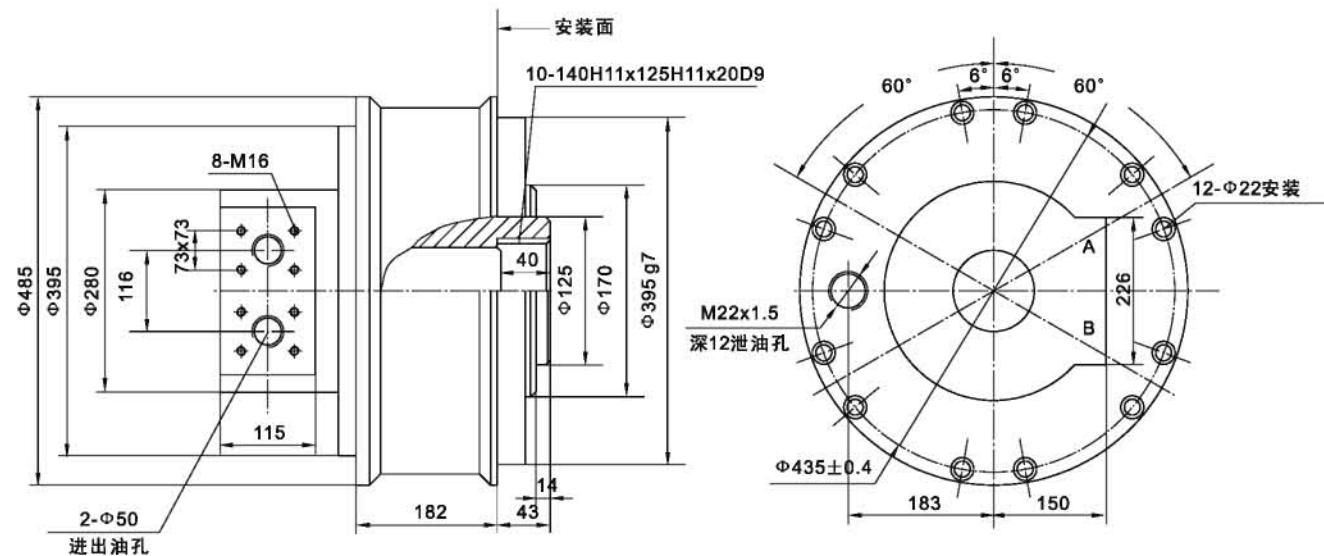
型号 Type	L	L1	L2	L3	L4	L5	L6	θ	D	D1	D2	D3	D4	D5	D6	n-D7	MA	MB	A	重量 (kg)
1QJM01-***T40	130	79	15	23	3	30	62	180°	Φ180	Φ105	Φ40	Φ110	Φ130g6	Φ68	Φ165	11-Φ9	M22x1.5	M12x1.5	6-48H11x42H11x12D9	15
1QJM11-***T50	139	87	16	17	3	28	87	90°	Φ240	Φ150	Φ50	Φ100	Φ160g6	Φ80	Φ220	12-Φ11	M22x1.5	M16x1.5	6-70H11x62H11x16D9	26



外形安装图 INSTALLATION

型号 Type	L	L1	L2	L3	L4	L5	L6	D	D1	D2	D3	D4	n-D5	D6	MA	a	A	重量 (kg)
1/2 QJM21-**T50	229	99	29	14	36	100	156	Φ300	Φ148	Φ110	Φ160g6	Φ283	10-Φ11	Φ50	M27x2	10°	10-98H11x92H11x14D9	60
1/2 QJM21-**T65	230	98	29	14	37	110	146	Φ304	Φ186	Φ110	Φ160g6	Φ283	10-Φ11	Φ65	M33x2	10°	10-98H11x92H11x14D9	64
1/2 QJM32-**T75	273	138	43	10	41	115	146	Φ320	Φ186	Φ120	Φ170g6	Φ299	10-Φ13	Φ75	M33x2	10°	10-98H11x92H11x14D9	88
1/2 QJM42-**2.5T80	292	160	16	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 达控制口和泄油口 上图所示对调



1QJM62-\*\*T125型 达外形安装尺寸图

使用及注意事项

一、基本要求

马达的使用是否正确，将直接影响工作寿命，因此，必须满足以下基本要求。

- 1、QJM液压马达的工作介质必须用抗磨液压油，建议使用YB-N46或YB-N68液压油。
- 2、正常工作油温控制在-40℃~80℃。短期工作最高油温不超过90℃。
- 3、工作介质必须清洁，滤油精度可按所配油泵要求选定。

二、安装

安装液压马达必须注意：

- 1、液压马达花键孔与工作机构的花键轴必须对中，并保证二者松动配合。对花键处和安装定位机座的技术要求见下图所示，液压马达在机器中安装并联接好管路后，应用手或扳手动盘液压马达，此时转子应灵活，不得有卡住或重轻现象。
- 2、因QJM液压马达转子呈浮动状态，故安装时花键联接必须留轴向空隙2-3毫米，以保证转子体可以在轴向自由窜动（见图所示）。
- 3、所有安装螺钉必须拧得很紧。
- 4、安装过程中各通油孔必须堵塞，以防脏物进入液压马达。

三、使用和维护

- 1、新装液压马达的系统，工作油在运转2-3月后应调换一次，以后每隔1-2年换一次油，具体视使用条件和工作环境而定。
- 2、马达在二速或三速档或在工作中存在作泵工况时，主回路应有0.3-0.8Mpa的背压。转速高时取大值，具体视工况而定，以不出现冲击声为准。
- 3、液压系统中不得吸入空气，否则会使马达运转不平稳，出现冲击声。
- 4、泄漏油管路及接头的孔径一般在φ12以下，并直接与油箱接通，若要过滤单独用过滤器，壳体内压力一般不允许大于0.1Mpa。

USAGE AND NOTICE

I. Principal requirements

How to use the motor has direct influences on its useful life, therefore the following principal requirements must be satisfied.

1. QJM hydraulic motor must be lubricated with anti-wear hydraulic oil, recommended for YB-N46 or YB-N68 hydraulic oil.
2. The normal temperature range of working oil is from -40°C to 80°C. The maximum temperature for its short-term usage mustn't exceed 90°C.
3. The working media must be clean. The oil-filtrating precision is decided by the provided oil pump.

II. Mounting

The motor must be mounted according to the following steps:

1. 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. 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.
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).
3. All the mounting screws must be tightened.
4. During the installation, all the oil feed openings must be blocked for avoiding the entrance of dirt into the motor.

III. Usage and maintenance

1. For the system newly equipped with hydraulic motors, its working oil must be renewed once after running for 2 to 3 months, and afterwards once every 1 to 2 years. For details, see its operating conditions and working environment.
2. If pump operating conditions exist when the motor is running in dual or trinal speeds or working, the back pressure from 0.3 to 0.8Mpa must act on the major loop. Apply the maximum pressure during the rotation at high speed. Please select the pressure according to actual conditions, but it shouldn't cause any impact sound.
3. No air exists in the hydraulic system, otherwise the motor can't run smoothly or will make some impact sound.
4. The bore diameter of the leakage oil pipe and the joint should be generally less than φ12. 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 0.2Mpa.

