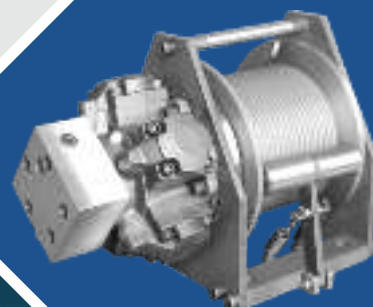


BLINCE
普|林|斯



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**DONGGUAN BLINCE
MACHINERY & ELECTRONICS CO., LTD.**

东莞市普林斯机电设备有限公司



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东莞市普林斯机电设备有限公司创建于2004年，是一家专业研发、生产、销售液压元件的工贸一体型企业。我们工厂位于东莞市，拥有超过20年的经验，拥有尖端的生产设备，强大的研发能力，先进的技术和精确的检测设备，所有确保符合ISO9001, CE标准，并拥有10项注册专利。近几年又与美国 PARKER、意大利 BREVINI 等多家世界百强企业签署战略合作协议。

普林斯液压产品广泛应用于农业、工程、塑料、海洋等领域。欢迎OEM和ODM订单，我们产品出口全球, 进一步巩固了我们作为行业领导者的地位。

使命: 振兴民族工业，为中国液压走向世界而奋斗，让普林斯每一位家人都能衣锦还乡。

愿景: 成为世界液压领域的新星，做幸福感最强的企业。

价值观: 诚信、勤奋、信任、开拓、创新、共赢。

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普林斯（BLINCE）品牌简介

BLINCE是由普林斯实业（香港）有限公司与东莞市普林斯机电设备有限公司共同打造的自主品牌，以提供优质的液压产品和卓越的售后服务为使命。我们的目标是改善中国液压产品在国际市场上的声誉，挑战行业的“低价格、低质量、低技术”的困境，为中国液压走向世界而奋斗。

BLINCE品牌秉承品质至上的理念，不断追求卓越。我们专注于技术创新和生产工艺的提升，确保产品在性能和可靠性上达到国际水平。BLINCE有完善的售后服务体系，确保客户在使用过程中能够获得及时、专业的技术支持和解决方案，致力于为客户创造最佳的使用体验。

我们将继续秉承诚信合作的价值观，与客户携手共进，共创美好未来！

Dongguan Blince Machinery & Electronics Co., Ltd. was established in the year of 2004. Blince is a company integrated with manufacture and trade specializing in design, manufacture and sales of hydraulic components. We located in Dongguan city, With over 20 years of experience, we boast cutting-edge production equipment, robust R&D capabilities, advanced technologies, and precise testing equipment, all ensuring compliance with ISO 9001, CE standards and holding 10 registered patents. In recent years, Blince signed a strategic cooperation agreement with some of the world's top 100 companies including American Parker, Italy Brevini etc.

Blince Hydraulic products find applications across agriculture, engineering, plastic, marine and beyond. Welcoming OEM and ODM orders, we export globally, solidifying our reputation as an industry leader.

Company mission: Revitalizing national industry and striving for China's Hydraulics going to the world. Let every Blince family member return home with honour and gloriously.

Company vision: To be a new star in the world's hydraulic field and the happiest company.

Company values: Honesty, diligence, trust, pioneering, innovation, win-win

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Introduction of BLINCE

BLINCE, a proprietary brand developed jointly by Blince Industry (HK) Limited and Dongguan Blince Machinery & Electronics Co., Ltd. , is dedicated to providing high-quality hydraulic products and exceptional after-sales services. Our mission is to enhance the reputation of Chinese hydraulic products globally and challenge the industry's prevailing notion of "low prices, low quality, and low technology" thereby contributing to the global expansion of the Chinese hydraulic industry.

At BLINCE, quality is our top priority, and we continually strive for excellence. We focus on technological innovation and advancements in manufacturing processes to ensure that our products meet international standards in performance and reliability. Additionally, BLINCE offers a comprehensive after-sales service system, ensuring that our customers receive timely and professional technical support and solutions, aiming to provide the best user experience possible.

Upholding the values of integrity and cooperation, we are committed to partnering with our customers to create a brighter future together!



PRODUCTS APPLICATION

产品应用

公司生产的各类产品可广泛应用于矿山建筑工程机械，起重运输设备、重型冶金机械、石油煤矿机械、船舶甲板机械、机床、轻工、塑料机械、地质钻探设备、农业和林业机械、矿物机械、建筑设备和工作平台、割草机、特殊车辆、渔业卷扬机、工具机、木工和锯木机、橡胶机械等各种机械的液压传动系统中，特别适用于注塑机的螺杆驱动、提升绞盘、卷筒的驱动、各种回转机构的驱动履带和轮子行走机构的驱动。

All kinds of products produced by our company can be widely applied in mining machinery, construction machinery, handling facility, metallurgical machinery, petroleum machinery, coal mine machinery, deck machinery, machine tool, light industry, plastic machinery, Geological drilling equipment, agricultural machinery, forestry machinery, construction equipment, grass cutter, special vehicles, toolroom machine, sawmill, rubber manufacturing machinery and other mechanical hydraulic transmission system. Especially suitable for injection molding machine's screw drive, upgrade winch, drum drive, all kinds of swing mechanism's caterpillar drive and wheel travelling mechanism's drive.



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摆线液压马达/ Orbit Hydraulic Motor

使用指南/ Usage Guide

- 为OMM 、OMP 、OMR 、OMH、OMP1 、OM1 、OM2、OM3摆线液压马达在最佳状态下工作，兹推荐：
- 1、油温：正常工作油温20℃–60℃，最高系统工作温度90℃（ 不应超过一小时）。
 - 2、滤清器及油液清洁度等级：滤清器过滤精度为 10–30 微米，最好在油箱底部加装磁块阻止金属屑进入系统。工作油液的固体污染等级不得高于19/16。
 - 3、油粘度：油温在40℃时的运动粘度为42–74mm²/s，可根据实际工作和环境温度选用液压油。
 - 4、马达可串联或并联使用， 串联或并联使用时背压超过10MPa (转速低于200rpm)，必须用外泄油口泄压，最好将外泄油口与油箱直接连通。
 - 5、OMP、OMR系列马达输出轴可根据用户需要选用：
带径向轴承可承受径向负荷；
不带径向轴承不能承受径向负荷，有径向负荷作用在输出轴时，应附加卸载装置。
 - 6、OMP1、OM2、OM3系列马达均可承受径向负荷；而不能承受大的轴向负荷。
 - 7、马达使用最佳工况应选择额定工况 1/3–2/3处。
 - 8、为使马达有长的使用寿命，在给马达加负荷时应先以额定压力的30%运行约1小时；在任何情况下给马达加负荷前应确保马达内充满油液。

In order to make the motors working in optimal situation, we recommend the following:

- 1、Oil temperature: Normal 20℃~60℃ upper limit 90℃ (no more than one hour).
- 2、Filtering and oil cleanliness: Return filter should be installed in the system with a fineness in the range of 10~30 μ m and a piece of magnet should be installed at the bottom of the tank to prevent grits into the system. The max solid contamination grade of the oil is no more than 19/16.
- 3、Viscosity: 42~74 mm²/s at 40℃ of oil temperature, according to the condition to choose an applicable hydraulic oil.
- 4、The motors can be operated in parallel or in series. When the pressure of the back exceeds 10MPa,it is necessary to install an external drain line to the tank.
- 5、For OMM and OMP and OMR series motors, the type of output shaft may be chosen in demand.
The output shaft permits a radial force with the radial bearing.
The output shaft doesn't permit the radial force without the radial bearing. When the radial force acts on the shaft, the force must be discharged.
- 6、For OMS、OMSY、OMT 、OMV and OMK6 series motors, the output shaft permit high axial and radial forces.
- 7、The optimal operation situation should be at the 1/3~2/3 of the rated operation situation.
- 8、In order to obtain a longer life of operating motor should operate motors at first for one hour under 30% of rated pressure. In any case, be sure to fill up with hydraulic oil inside motor before increasing load.

马达技术参数一览表/ Specification Data of Hydraulic Motors

配流形式 Distribution type	□ □ Model	排量 Displacement (cm³/rev.)	最大工作压力 Max.operating pressure (MPa)	□ □ □ □ Speed range (rpm)	□ □ □ □ □ □ Max.output power (kw)
轴配流 Axial distribution	OMM	8–50	14	40–1950	3.2
	OMP	36–400	16.5	30–879	10
	OMR	36–375	20	30–970	15
	OMH	200–500	20	30–430	17
	OM2	125–400	20	30–650	16
	OM3	500–630	20	20–220	19

摆线液压马达/ Orbit Hydraulic Motor

使用指南/ Usage Guide

- 为使OMS 、OMSY 、OMT 、OMV摆线液压马达在最佳状态下工作，兹推荐：
- 1、油温：正常工作油温20℃~ 60℃，最高系统工作温度90℃（ 不应超过一小时）。
 - 2、滤清器及油液清洁度等级：滤清器过滤精度为10–30微米，最好在油箱底部加装磁块阻止金属屑进入系统。工作油液的固体污染等级不得高于19/16。
 - 3、油粘度：油温在40℃时的运动粘度为42–74mm²/s，可根据实际工作和环境温度选用液压油。
 - 4、马达可串联或并联使用， 串联或并联使用时背压超过10MPa（ 转速低于200rpm ），必须用外泄油口泄压，最好将外泄油口与油箱直接连通。
 - 5、OMS、OMSY 、OMT、OMV系列马达输出轴可承受较大的轴、径向负荷。
 - 6、马达使用最佳工况应选择额定工况 1/3–2/3处。
 - 7、为使马达有长的使用寿命，在给马达加负荷时应先以额定压力的30%运行约1小时；在任何情况下给马达加负荷前应确保马达内充满油液。

In order to make the motors working in optimal situation, we recommend the following:

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- 3、Viscosity: 42~74 mm²/s at 40℃ of oil temperature, according to the condition to choose an applicable hydraulic oil.
- 4、The motors can be operated in parallel or in series. When the pressure of the back exceeds 10MPa,it is necessary to install an external drain line to the tank.
- 5、For OMS、OMSY、OMT 、OMV motors, the output shaft permit high axial and radial forces.
- 6、The optimal operation situation should be at the 1/3~2/3 of the rated operation situation.
- 7、In order to obtain a longer life of operating motor should operate motors at first for one hour under 30% of rated pressure. In any case, be sure to fill up with hydraulic oil inside motor before increasing load.

马达技术参数一览表/ Specification Data of Hydraulic Motors

配流形式 Distribution type	□ □ Model	排量 Displacement (cm³/rev.)	最大工作压力 Max.operating pressure (MPa)	□ □ □ □ Speed range (rpm)	□ □ □ □ □ □ Max.output power (kw)
端面配流 Axial distribution	OMS	80–375	22.5	30–800	20
	OMSY	80–475	22.5	8–800	24
	OMT	160–800	24	30–705	35
	OMV	315–1000	28	10–446	43



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产品特点/ Product features

OMM系列摆线液压马达是一种微型轴配流马达，能够在很小的空间安装使用。采用整体式转定子付，4/5齿结构，结构紧凑、重量轻、功率密度大。

- 其特点：
- 1、整体式转定子付采用世界先进加工工艺手段，确保整机体积小、效率高、转速高、寿命长。
 - 2、轴密封承压高，可串、并联使用。
 - 3、结构设计先进，功率密度大。

OMM series motor are small volume, economical type, which is designed with shaft distribution flow, which adapt the Gerotor gear set design and provide compact volume, high power and low weigth.

- Characteristic features:
- 1、Advanced manufacturing devices for the Gerotor gear set, which provide small volume, high efficiency and long life.
 - 2、Shaft seal can bear high pressure of motor of which can be used in parallel or in series.
 - 3、Advanced construction design, high power and low weight.

技术参数/ Technical data

型 号 Type		OMM8	OMM12.5	OMM20	OMM32	OMM40	OMM50
排量 (cm³/rev.) Geometric displacement		8.2	12.9	19.9	31.6	39.8	50.3
最高转速 Max. speed (rpm)	额定 rated	1537	1256	814	513	452	358
	连续 cont.	1950	1550	1000	630	500	400
	断续 int.	2450	1940	1250	800	630	500
最大扭矩 Max. torque (N.m)	额定 rated	8	13	19	31	37	33
	连续 cont.	11	16	25	40	45	46
	断续 int.	15	23	35	57	70	88
	峰值 peak	21	33	51	64	82	100
最大输出功率 Max. output (kw)	额定 rated	1.3	1.7	1.7	1.7	1.7	1.2
	连续 cont.	1.8	2.4	2.4	2.4	2.2	1.8
	断续 int.	2.6	3.2	3.2	3.2	3.2	3.2
最高工作压差 Max. pressure drop (MPa)	额定 rated	9	9	9	9	8.5	6
	连续 cont.	10	10	10	10	9	7
	断续 int.	14	14	14	14	14	14
	峰值 peak	20	20	20	16	16	16
最大流量 Max. flow (L/min)	额定 rated	14	18	18	18	20	20
	连续 cont.	16	20	20	20	20	20
	断续 int.	20	25	25	25	25	25
重量 Weight (kg)		1.9	2	2.1	2.2	2.3	2.4

型 号 Type		最大进油压力 Max.inlet pressure
OMM8-50 (MPa)	额定 rated	14
	连续 cont.	17.5
	断续 int.	22.5

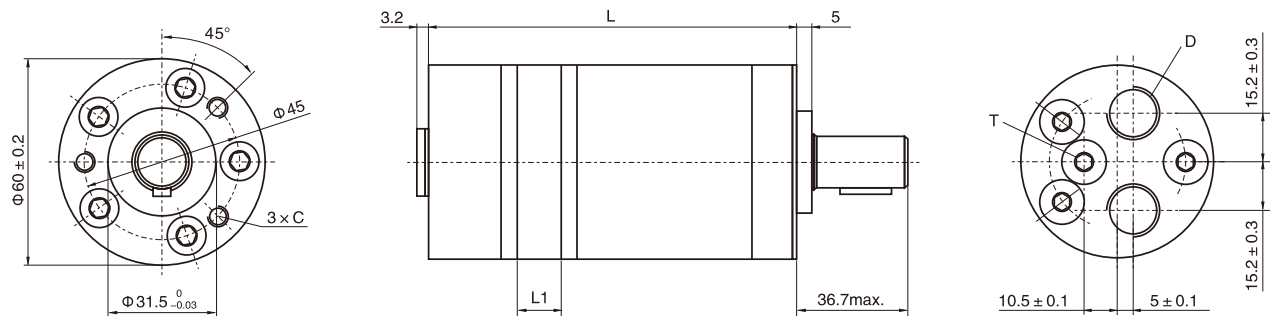
* 额定转速、扭矩是指在额定流量、压力下的输出值。
* 连续值是指该排量马达可以连续工作的最大值。
* 断续值是指该排量马达在1分钟内工作6秒的最大值。
* 峰值是指该排量马达在1分钟内工作0.6秒的最大值。

* Rated speed and rated torque: output value of speed and torque under rated flow and rated pressure;
* Continuous pressure: Max.value of operating motor continuously;
* Intermittent prssure: Max.value of operating motor in 6 seconds per minute;
* Peak pressure: Max.value of operating motor in 0.6 second per minute.

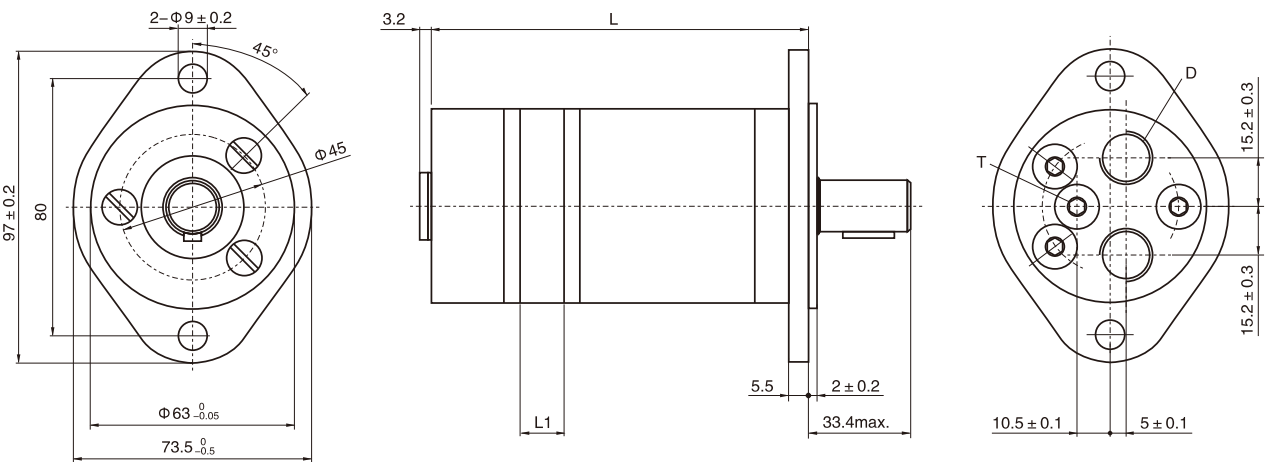
OMM系列/ OMM Serie

OMM 后油口安装连接尺寸/ OMM End port Installation Dimensions

M、U 法兰 Flange



F 法兰 Flange



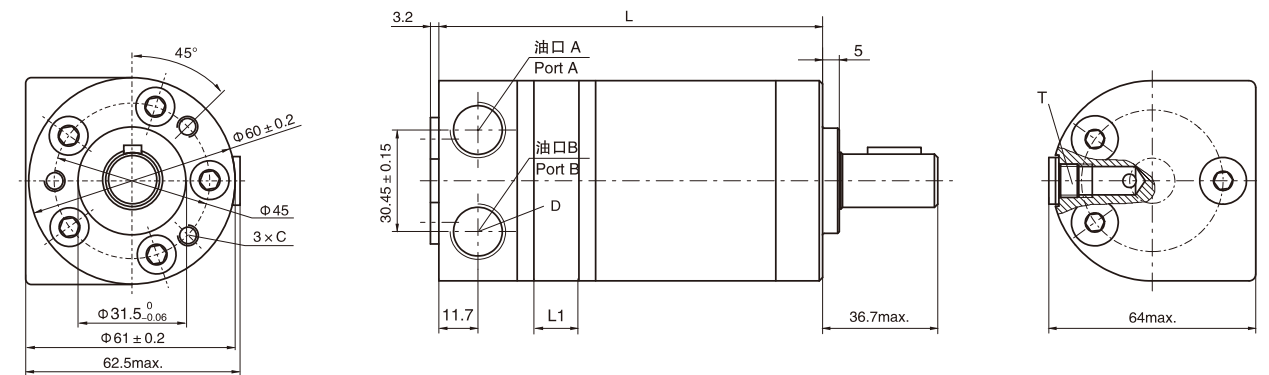
型号 Type	M、U法兰 Flange		F法兰 Flange	
	L	L1	L	L1
OMM8	104	3.5	107.5	3.5
OMM12.5	106	5.5	109.5	5.5
OMM20	109	8.5	112.5	8.5
OMM32	114	13.5	117.5	13.5
OMM40	117.5	17	121	17
OMM50	122	21.5	125.5	21.5

连接形式 Mounting	M、U法兰 Flange		F法兰 Flange	
	1E (深) (depth)	1U (深) (depth)	1E (深) (depth)	1U (深) (depth)
C	3-M6 (10)	3-1/4-28UNF-2B (10)	/	/
D	G3/8 (12)	9/16-18UNF (12)	G3/8 (12)	9/16-18UNF (12)
T	G1/8 (8)	3/8-24UNF (8)	G1/8 (8)	3/8-24UNF (8)

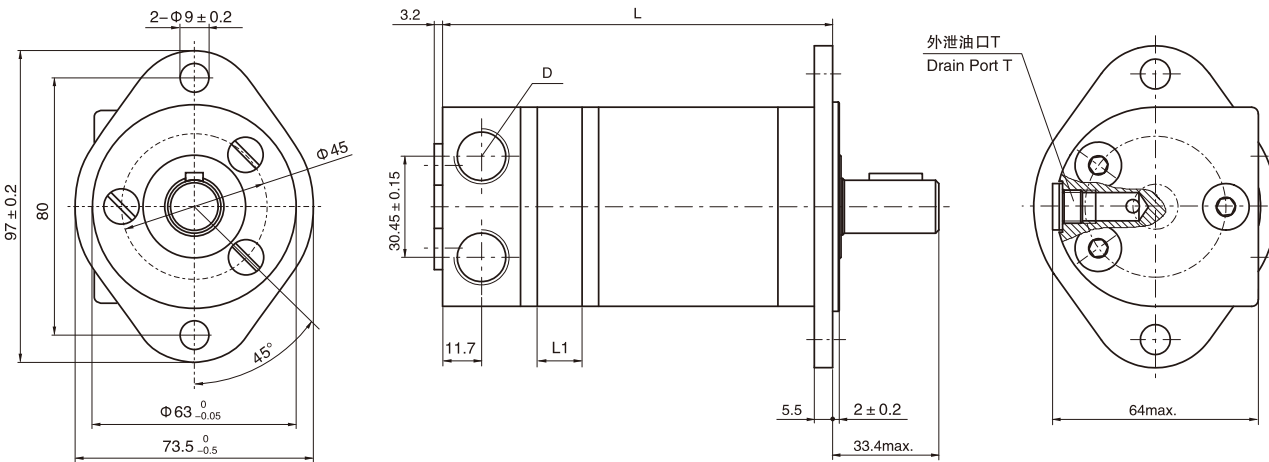
OMM系列/ OMM Serie

OMM 侧油口安装连接尺寸/ OMM Side port Installation Dimensions

M、U 法兰 Flange



F 法兰 Flange

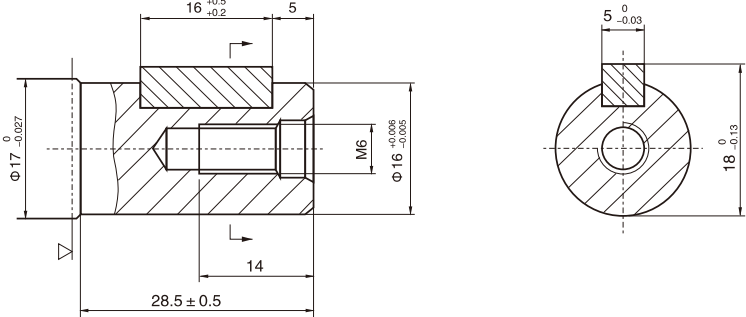


型号 Type	M、U法兰 Flange		F法兰 Flange	
	L	L1	L	L1
OMM8	105	3.5	108.5	3.5
OMM12.5	107	5.5	110.5	5.5
OMM20	110	8.5	113.5	8.5
OMM32	115	13.5	118.5	13.5
OMM40	118.5	17	122	17
OMM50	123	21.5	126.5	21.5

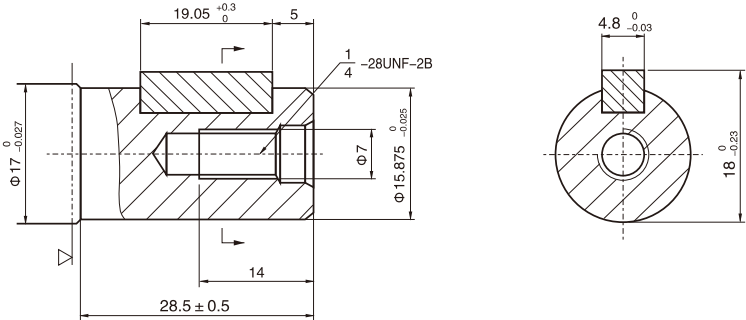
连接形式 Mounting	M、U法兰 Flange		F法兰 Flange	
	1E (深) (depth)	1U (深) (depth)	1E (深) (depth)	1U (深) (depth)
C	3-M6 (10)	3-1/4-28UNF-2B (10)	/	/
D	G3/8 (12)	9/16-18UNF (12)	G3/8 (12)	9/16-18UNF (12)
T	G1/8 (8)	3/8-24UNF (8)	G1/8 (8)	3/8-24UNF (8)

OMM 轴伸连接尺寸/ OMM Output Shaft Dimensions

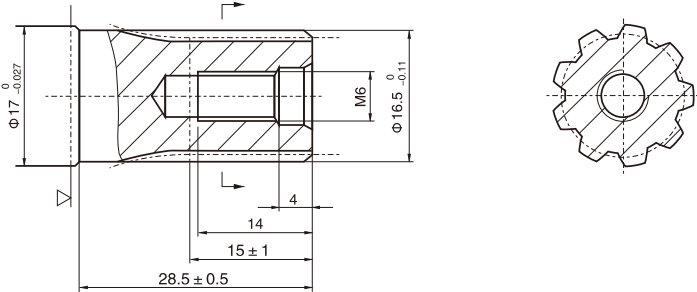
A轴：圆柱轴 Φ16
平键5×5×16
Shaft A: Cylindrical shaft Φ16
Parallel key 5×5×16



B轴：圆柱轴 Φ15.875
平键4.8×4.8×19.05
Shaft B: Cylindrical shaft Φ5.875
Parallel key 4.8×4.8×19.05



C轴：渐开线花键轴 B17×14
DIN 5482
Shaft C: Involute splind shaft
B17×14 DIN5482



▽ 马达安装面
Motor Mounting Surface

订货信息/ Order Information

1	2	3	4	5	6	7	8
型号	排量	法兰、止口	轴 伸	油 口、外泄口	旋向工况	油漆选项	特殊功能
OMM	8	M 3-M6圆法兰，止口Φ31.5×5 U 3-1/4-28UNF圆法兰，止口Φ31.5×5 F 2-Φ9菱法兰，止口Φ63×2	A Φ16轴，平键5×5×16 B Φ15.875轴，平键4.8×4.8×19.05 C Φ16.5轴，花键B17×14，DIN5482	E G3/8, G1/8 U 9/16-18UNF, 3/8-24UNF 1E 后油口G3/8, G1/8 1U 后油口9/16-18UNF, 3/8-24UNF	无 标准 R 反向	00 不油漆 无 蓝漆 B 黑漆 S 银灰漆	常规 0 无外泄
	12.5						
	20						
	32						
	40						
	50						

注：用户在使用订货信息时，将马达结构、排量、安装法兰、轴伸、进出油口等信息，选择左面作色部位的代号按上面格式写给我们即可。
其中SP配的轴型为T1、D、B、F、G若所选规格不在上述表中或特殊要求，请与我们联系。

1	2	3	4	5	6	7	8
Type	Displace ment	Flange	Output shaft	Ports and drain port	Rotation direction	Paint	Unusually function
OMM	8	M 3-M6 Circle-flange, pilot Φ31.5×5 U 3-1/4-28UNF Circle flange, pilot Φ31.5×5 F 2-Φ9 Rhomb-flange, pilot Φ63×2	A ShaftΦ16, parallel key 5×5×16 B ShaftΦ15.875, parallel key 4.8×4.8×19.05 C ShaftΦ16.5, involute B17×14, DIN5482	E G3/8, G1/8 U 9/16-18UNF, 3/8-24UNF 1E 后油口G3/8, G1/8 1U 后油口9/16-18UNF, 3/8-24UNF	00 Standard Omit Opposite B R S	No paint Blue Black Silver grey	Omit Standard 0 No case drain
	12.5						
	20						
	32						
	40						
	50						

Note: When the table is used, please fill the code of left rows in the table and give us, which the code information is consists of construction, displacement, mounting flange, output shaft and ports. If the specification is not in the table or you have specific requirements, please contact us.



1、产品特点/ Product features	10
2、技术参数/ Technical data	10
3、安装联接尺寸/ Installation Dimensions	
OMP 安装连接尺寸 OMP Installation Dimensions	12
OMP 轴伸连接尺寸 OMP Output Shaft Dimensions	13
OMPH 安装连接尺寸 OMPH Installation Dimensions	14
OMPH轴伸连接尺寸 OMPH Output Shaft Dimensions	15
4、订货信息/ Order Information	16
OMPW 安装连接尺寸 OMPW Installation Dimensions	18
5、订货信息/ Order Information	19

OMP系列/ OMP Serie

产品特点/ Product features

OMP系列摆线液压马达是一种小体积、经济型轴配流液压马达。采用整体式转定子付，结构紧凑、重量轻、功率密度大。其特点：

- 1、整体式转定子付采用世界先进加工手段，确保整机体积小、效率高、功率大、寿命长。
- 2、轴密封承压高，可串、并联试用。
- 3、结构设计先进，功率密度大。

OMP series motor are small volume, economical type, which is designed with shaft distribution flow,which adapt the Gerotor gear set design and provide compact volume, high power and low weight.

Characteristic features:

- 1、Advanced manufacturing devices for the Gerotor gear set, which provide small volume, high efficiency and long life.
- 2、Shaft seal can bear high pressure of motor of which can be used in parallel or in series.
- 3、Advanced construction design, high power and low weight.

技术参数/ Technical data

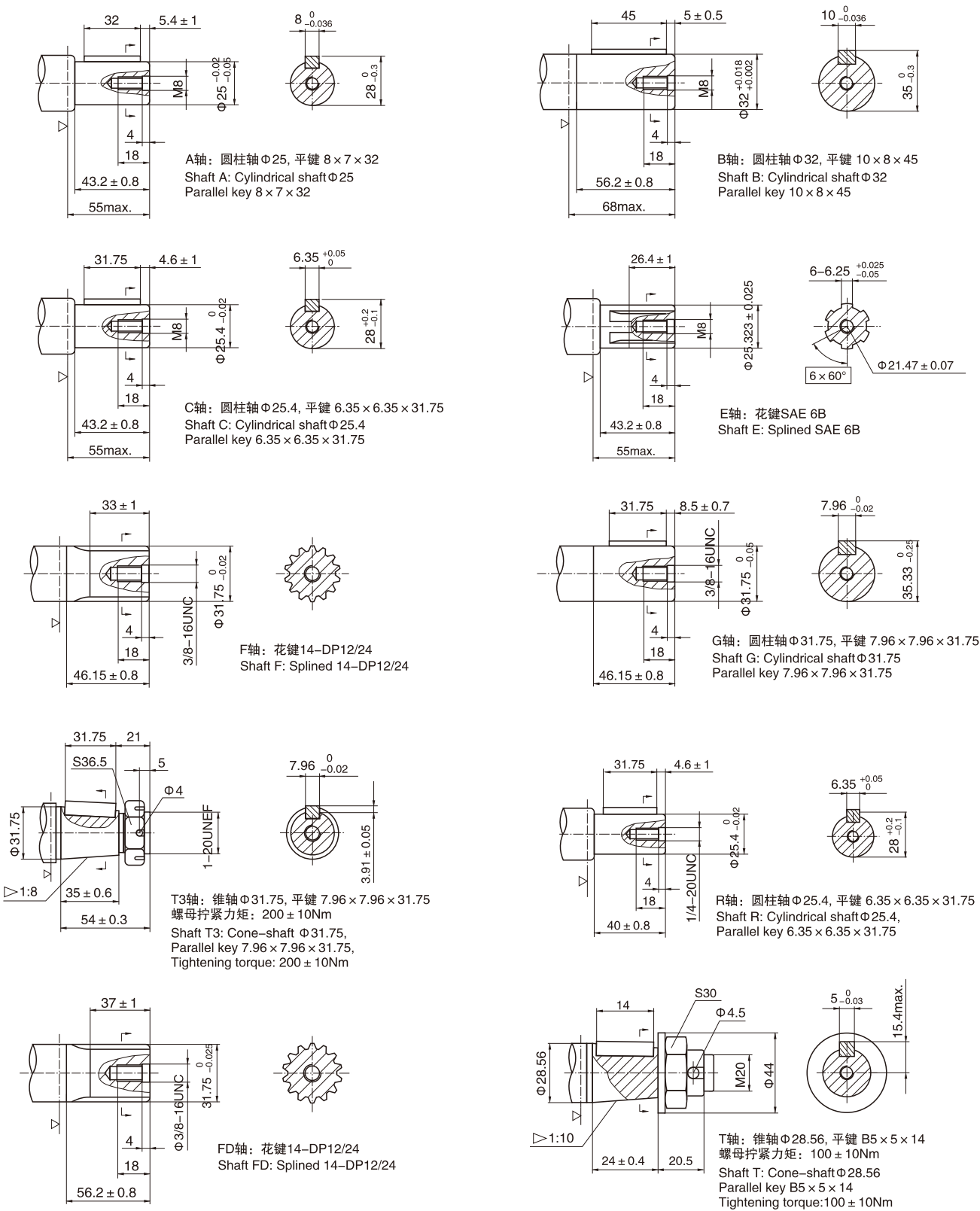
以下表格技术参数针对OMP系列马达轴径为Φ25、Φ25.4，花键轴Φ25.4和锥轴Φ28.56
Technical parameters for OMP series motor shaft diameter Φ25 and Φ25.4, Spline shaft Φ25.4 and Cone shaft Φ28.56

型 号 Type		OMP OMPH 36	OMP OMPH 50	OMP OMPH 80	OMP OMPH 100	OMP OMPH 125	OMP OMPH 160	OMP OMPH 200	OMP OMPH 250	OMP OMPH 315	OMP OMPH 400	OMP OMPH 500
排量 (cm³/rev.) Geometric displacement		36	51.7	77.7	96.2	120.2	157.2	194.5	240.3	314.5	389.5	486.5
最高转速 Max. speed (rpm)	额定 rated	1050	850	650	520	390	310	260	200	156	130	110
	连续 cont.	1500	1150	770	615	490	383	310	250	192	155	120
	断续 int.	1650	1450	960	770	615	475	385	310	240	190	150
最大扭矩 Max. torque (N.m)	额定 rated	55	81	129	161	202	204	259	325	375	360	385
	连续 cont.	55	100	146	182	236	302	360	380	375	360	385
	断续 int.	76	128	186	227	290	370	440	460	555	525	560
	峰值 peak	96	148	218	264	360	434	540	550	650	680	680
最大输出功率 Max. output (kw)	连续 cont.	8.0	10.0	10.0	11.0	10.0	10.0	10.0	8.5	7.0	6.0	5.0
	断续 int.	11.5	12.0	12.0	13.0	12.0	12.0	12.0	10.5	8.5	7.0	6.0
最高工作压力 Max. pressure drop (MPa)	额定 rated	12.5	12.5	12.5	12.5	12.5	10.0	10.0	10.0	9.0	7.0	6
	连续 cont.	12.5	14	14	14	14	14	14	11	9	7	6
	断续 int.	16.5	17.5	17.5	17.5	17.5	17.5	17.5	14	14	10.5	9
	峰值 peak	22.5	22.5	22.5	22.5	22.5	22.5	22.5	18	16	14	12
最大流量 Max. flow (L/min)	额定 rated	40	45	55	55	55	55	55	55	55	55	55
	连续 cont.	50	60	60	60	60	60	60	60	60	60	60
	断续 int.	60	75	75	75	75	75	75	75	75	375	75
重量 Weight (kg)		5.6	6	5.7	5.9	6.0	6.2	6.4	7	6.9	7.4	8

- * 额定转速、扭矩是指在额定流量、压力下的输出值。
- * 连续值是指该排量马达可以连续工作的最大值。
- * 断续值是指该排量马达在1分钟内工作6秒的最大值。
- * 峰值是指该排量马达在1分钟内工作0.6秒的最大值。
- * Rated speed and rated torque: output value of speed and torque under rated flow and rated pressure;
- * Continuous pressure: Max.value of operating motor continuously;
- * Intermittent prssure: Max.value of operating motor in 6 seconds per minute;
- * Peak pressure: Max.value of operating motor in 0.6 second per minute.

OMP系列/ OMP Serie

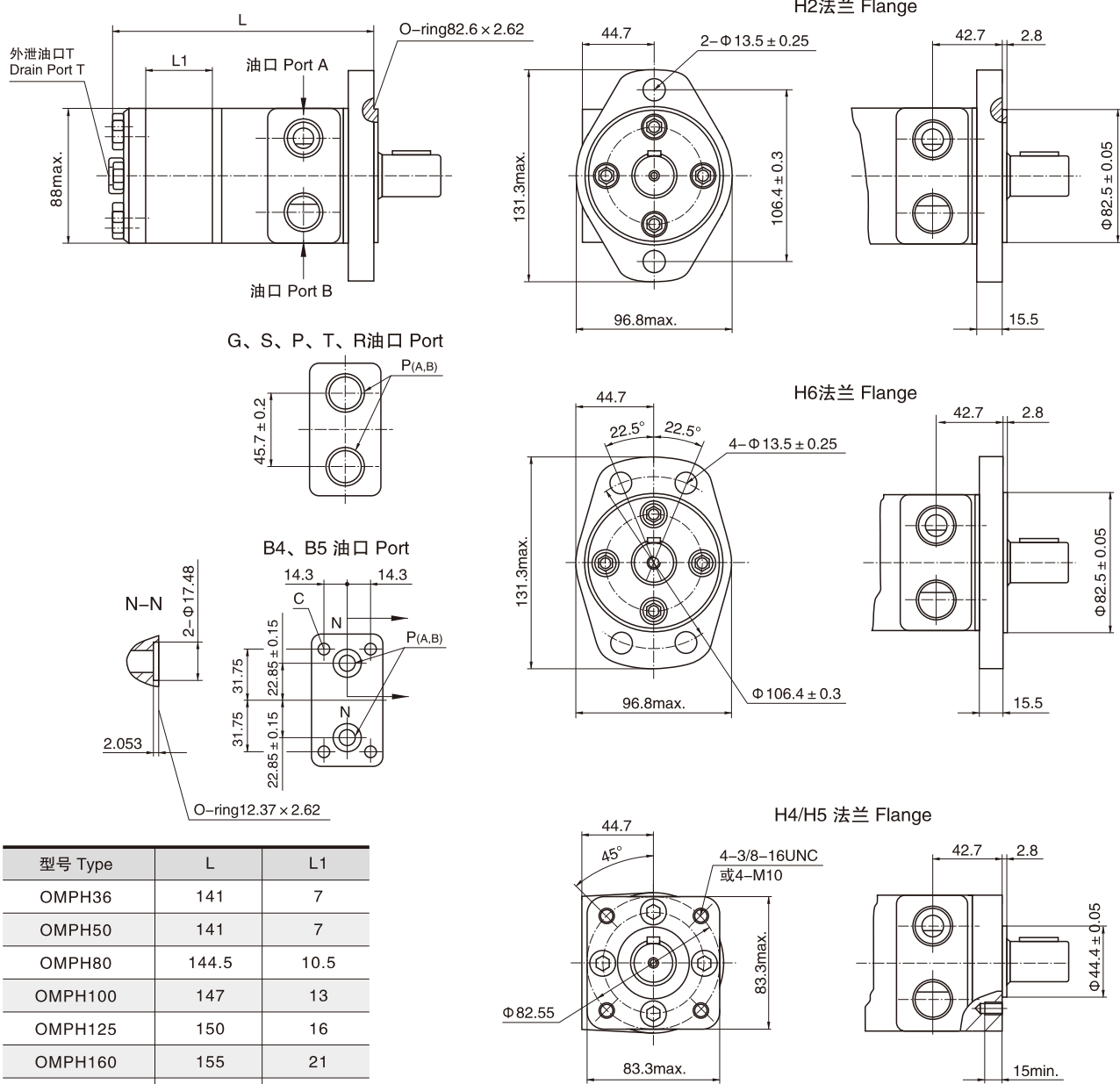
OMP 轴伸连接尺寸/ OMP Output Shaft Dimensions



马达安装面
Motor Mounting Surface

OMP系列/ OMP Serie

OMPH 安装连接尺寸/ OMPH Installation Dimensions

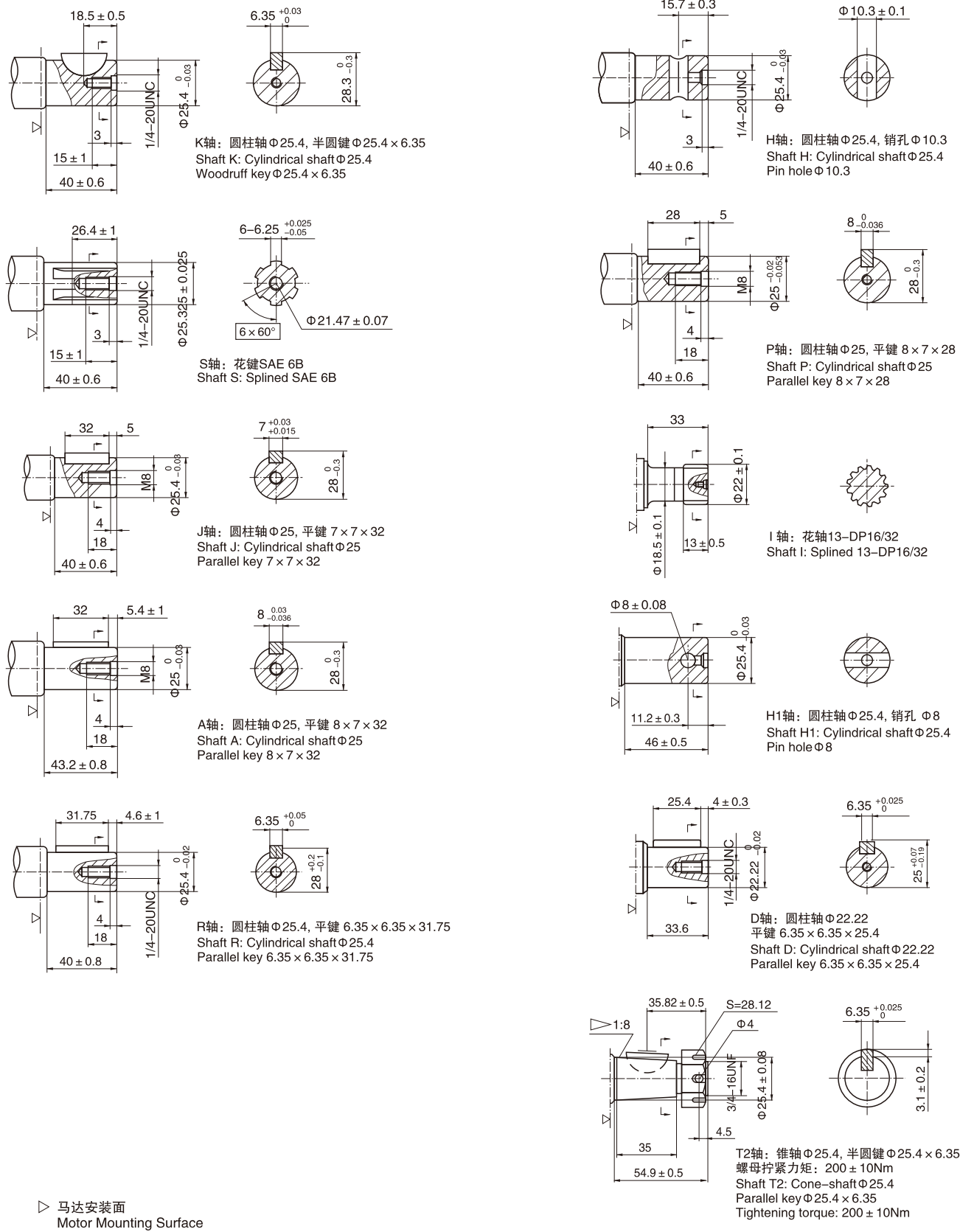


型号 Type	L	L1
OMPH36	141	7
OMPH50	141	7
OMPH80	144.5	10.5
OMPH100	147	13
OMPH125	150	16
OMPH160	155	21
OMPH200	160	26
OMPH250	166	32
OMPH315	176	42
OMPH400	186	52
OMPH500	199	65

连接形式 Mounting	代号 Code	G(深) (depth)	S(深) (depth)	P(深) (depth)	T(深) (depth)	R(深) (depth)	B4(深) (depth)	B5(深) (depth)
P (A,B)		G1/2 (15)	7/8-14 O-ring (17)	1/2-14NPTF (15)	3/4-16 O-ring (15)	PT (RC) 1/2 (15)	Φ10	Φ10
C		G1/4 (12)	7/16-20UNF (12)	7/16-20UNF (12)	7/16-20UNF (12)	PT(RC)1/4 (9.7)	7/16-20UNF (12)	G/4 (12)
T		-	-	-	-	-	4-5/16-18UNC (13)	4-M8 (13)

OMP系列/ OMP Serie

OMPH轴伸连接尺寸/ OMPH Output Shaft Dimensions



订货信息/ Order Information

1	2	3	4	5	6	7	8
型号	排量	法兰、止口	轴伸	油口、外泄口	旋向工况	油漆选项	特殊功能
OMP	36	2- $\Phi 13.5$ 菱法兰, 止口 $\Phi 82.5 \times 8$ 4- $\Phi 13.5$ 菱法兰, 止口 $\Phi 82.5 \times 8$ 4- $\Phi 13.5$ 菱法兰, 止口 $\Phi 82.5 \times 8$ 4-M10 方法兰, 止口 $\Phi 44.4 \times 2.8$	A $\Phi 25$ 轴, 平键 $8 \times 7 \times 32$	D G1/2板式 $4 \times M8$, G1/4 M M22 $\times 1.5$ 板式 $4 \times M8$, M14 $\times 1.5$ S 7/8-14 O-ring 板式 $4 \times 5/16-18\text{UNC}$, 7/16-20UNF P 1/2-14 NPTF 板式 $4 \times 5/16-18\text{UNC}$, 7/16-20UNF R PT(Rc)1/2 板式 $4 \times M8$, PT(Rc)1/4	无 标准 R 反向	00 不油漆 无 蓝漆 B 黑漆 S 银灰漆	常规 大径向力 无外泄 自由转动 低转速
	50		B $\Phi 32$ 轴, 平键 $10 \times 8 \times 45$				
	80		C $\Phi 25.4$ 轴, 平键 $6.35 \times 6.35 \times 31.75$				
	100		E $\Phi 25.4$ 轴, 花键 SAE 6B				
	125		R $\Phi 25.4$ 短轴, 平键 $6.35 \times 6.35 \times 31.75$				
	160		F $\Phi 31.75$ 轴, 花键 14-DP12/24				
	200		FD $\Phi 31.75$ 长轴, 花键 14-DP12/24				
	250		G $\Phi 31.75$ 轴, 平键 $7.96 \times 7.96 \times 31.75$				
	315		T $\Phi 28.56$ 锥轴, 平键 $6.35 \times 6.35 \times 31.75$				
	500		T3 $\Phi 31.75$ 锥轴, 平键 $7.96 \times 7.96 \times 25.4$				

注: 用户在使用订货信息时, 将马达结构、排量、安装法兰、轴伸、进出油口等信息, 选择左面作色部位的代号按上面格式写给我们即可。若所选规格不在上述表中或特殊要求, 请与我们联系。
B、F、FD、G、T3 轴伸规格不能和 H4、H5 安装法兰同时选用。(即 H4、H5 选用小于 $\Phi 28.56$ 轴径)。

1	2	3	4	5			6	7	8
Type	Displace ment	Flange	Output shaft	Ports and drain port			Rotation direction	Paint	Unusually function
OMP	36	2- Φ 13.5 Rhomb-flange, pilot Φ 82.5 x 8 4- Φ 13.5 Rhomb-flange, pilot Φ 82.5 x 8 H4 4-3/8-16 Square-flange, pilot Φ 44.4 x 2.8 H5 4-M10 Square-flange, pilot Φ 44.4 x 2.8	A Shaft Φ 25, parallel key 8 x 7 x 32	D	G1/2 Manifold Mount4 x M8, G1/4	Omit Standard R	00 Omit B S	No paint Blue Black Silver grey	Omit N 0 F LS
	50		B Shaft Φ 32, parallel key 10 x 8 x 45	M	M22 x 1.5 Manifold Mount4 x M8, M14 x 1.5				
	80		C Short shaft Φ 25.4, parallel key 6.35 x 6.35 x 31.75	S	7/8-14 O-ring manifold 4 x 5/16-18UNC, 7/16-20UNF				
	100		E Shaft Φ 25.4, splined tooth SEA 6B	P	1/2-14 NPTF Manifold 4 x 5/16-18UNC, 7/16-20UNF				
	125		R Shaft Φ 25.4, parallel key 6.35 x 6.35 x 31.75	R	PT(Rc)1/2 Manifold 4 x M8, PT(Rc)1/4				
	160		F Shaft Φ 31.75, splined tooth 14-DP12/24						
	200		FD Long shaft Φ 31.75, splined tooth14-DP12/24						
	250		G Shaft Φ 31.75, parallel key 7.96 x 7.96 x 31.75						
	315		T Cone shaft Φ 28.56, parallel key B5 x 5 x 14						
	400		T3 Cone shaft Φ 31.75, parallel key 7.96 x 7.96 x 25.4						
500									

Note: When the table is used, please fill the code of left rows in dash area and give us, which the code information is consists of construction, displacement, mounting flange, output shaft and ports. If the specification is not in the table or you have specific requirements, please contact us.

订货信息/ Order Information

1	2	3	4	5	6	7	8
型号	排量	法兰、止口	轴伸	油口、外泄口	旋向工况	油漆选项	特殊功能
OMPH	36	H2 2-Φ13.5菱法兰，止口Φ82.5×2.8 H6 4-Φ13.5菱法兰，止口Φ82.5×2.8 H4 4-3/8-16方法兰，止口Φ44.4×2.8 H5 4-M10方法兰，止口Φ44.4×2.8	K Φ25.4轴，半圆键Φ25.4×6.35	G G1/2, G1/4 S 7/8-14 O-ring, 7/16-20UNF P 1/2-14 NPTF, 7/16-20UNF T 3/4-16 O-ring, 7/16-20UNF R PT(Rc)1/2, PT(Rc)1/4 B4 Φ10 O-ring 板式4×5/16-18UNC, 7/16-20UNF B5 Φ10 O-ring 板式4×M8 G1/4	无	00 不油漆	无
	50		S Φ25轴，平键SAE 6B				
	80		R Φ25.4轴，平键6.35×6.35×31.75				
	100		H Φ25.4轴，销孔Φ10.3				
	125		H1 Φ25.4轴，销孔Φ8				
	160		D Φ22.22轴，平键6.35×6.35×25.4				
	200		I Φ22.22轴，花键13-DP16/32				
	250		T2 Φ25.4锥轴，半圆键Φ25.4×6.35				
	315		P Φ25轴，平键8×7×28				
	400		J Φ25轴，平键7×7×32				
	500					S 银灰漆	LS 低转速

注：用户在使用订货信息时，将马达结构、排量、安装法兰、轴伸、进出油口等信息，选择左面作色部位的代号按上面格式写给我们即可。若所选规格不在上述表中或特殊要求，请与我们联系。
B、F、FD、G、T3 轴件规格不能和 H4、H5安装法兰同时选用。(即H4、H5选用小于Φ28.56轴径)。

1	2	3	4	5	6	7	8
Type	Displace ment	Flange	Output shaft	Ports and drain port	Rotation direction	Paint	Unusually function
OMPH	36	H2 2-φ13.5 Rhomb—flange, pilotφ82.5×2.8 H6 4-φ13.5 Rhomb—flange, pilotφ82.5×2.8 H4 4-3/8-16 Square—flange, pilotφ44.4×2.8 H5 4-M10 Square—flange, pilotφ44.4×2.8	K Shaftφ25.4, woodruff key φ25.4×6.35	G G1/2, G1/4 S 7/8-14 O-rmg, 7/16-20UNF P 1/2-14 NPTF, 7/16-20UNF T 3/4-16 O-rmg, 7/16-20UNF R PT(Rc)1/2, PT(Rc)1/4 B4 φ10 O-rmg manifold 4x5/16-18UNC,7/16-20UNF B5 φ10 O-rmg manifold 4×M8	Omit Standard R	No paint Blue Black Silver grey	Omit N 0 F LS
	50		S Shaftφ25.4, splined tooth SEA 6B				
	80		A Shaftφ25, parallel key 8×7×32				
	100		R Shaftφ25.4, parallel key 6.35×6.35×31.75				
	125		H Shaftφ25.4, pin holeφ10.3				
	160		H1 Shaftφ25.4, pin holeφ8				
	200		D Shaftφ22.22, parallel key 6.35×6.35×25.4				
	250		I Shaftφ22.22, splined tooth 13-DP16/32				
	315		T2 Cone shaftφ25.4, woodruff key φ25.4×6.35				
	400		P Shaftφ25, parallel key 8×7×28				
	500		J Shaftφ25, parallel key 7×7×32				

Note:When the table is used, please fill the code of left rows in dash area and give us, which the code information is consists of construction, displacement, mounting flange, output shaft and ports. If the specification is not in the table or you have specific requirements, please contact us.

OMP系列/ OMP Serie

OMPW 安装连接尺寸/ OMPW Installation Dimensions

连接形式 Mounting	代号 Code	G(深) (depth)	S(深) (depth)	M(深) (depth)
P (A,B)		G1/2 (15)	7/8-14 O-ring (17)	M22×1.5
T		G1/4 (12)	7/16-20UNF (12)	M14×1.5
C		M10 (20)	3/8-16UNF (20)	M10 (20)

型号 Type	OMPW36	OMPW50	OMPW80	OMPW100	OMPW125	OMPW160	OMPW200	OMPW250	OMPW315	OMPW400	OMPW500
L	81	81	84.5	87	90	95	100	106	116	126	139
L1	7	7	10.5	13	16	21	26	32	42	52	65

订货信息/ Order Information

OMP系列/ OMP Serie

1

OMPW

2

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4

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6

7

8

1	2	3	4	5	6	7	8
型号	排量	法兰、止口	轴伸	油口、外泄口	旋向工况	油漆选项	特殊功能
OMPW	36	无 车轮法兰，止口Φ80×7.5	A	G G1/2, G1/4	无 标准	00	无
	50		C			不油漆	常规
	80		E			蓝漆	大径向力
	125		T			黑漆	无外泄
	160					S	银灰漆
200			M				
315							
400							
500							

注：用户在使用订货信息时，将马达结构、排量、安装法兰、轴伸、进出口等信息，选择左面作色部位的代号按上面格式写给我们即可。若所选规格不在上述表中或特殊要求，请与我们联系。

1

OMPW

2

3

4

5

6

7

8

1	2	3	4	5	6	7	8
Type	Displacement	Flange	Output shaft	Ports and drain port	Rotation direction	Paint	Unusually function
OMPW	36	Omit Wheel-flange pilotΦ80×7.5	A	G G1/2, G1/4	Omit Standard	00	Omit
	50		C			No paint	Standard
	80		E			Blue	Big radial force
	125		T			Black	No case drain
	160					S	Silver grey
200			M				
250							
315							
400							
500							

Note:When the table is used, please fill the code of left rows in dash area and give us, which the code information is consists of construction, displacement, mounting flange, output shaft and ports. If the specification is not in the table or you have specific requirements, please contact us.



1、产品特点/ Product features	21
2、技术参数/ Technical data	21
3、安装联接尺寸/ Installation Dimensions	
OZ 安装连接尺寸 OZ Installation Dimensions	22
OZ 轴伸连接尺寸 OZ Output Shaft Dimensions	22
4、订货信息/ Order Information	23

订货信息/ Order Information

1

2

3

4

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6

7

8

OZ

1	2	3	4	5	6	7	8		
型号	排量	法兰、止口	轴伸	油口、外泄口	旋向工况	油漆选项	特殊功能		
OZ	36	2 2-Φ13.5菱法兰，止口Φ82.5×8	A	D G1/2, 板式4×M8, G1/4 M M22×1.5, 板式4×M8, M14×1.5 S 7/8-14 O-ring 板式4×5/16-18UNC, 7/16-20UNF P 1/2-14 NPTF 板式4×5/16-18UNC, 7/16-20UNF R PT(Rc)1/2 板式4×M8, PT(Rc)1/4	无	00	不油漆	无	
	50		C			标准	无	蓝漆	无
	80		E			反向	R	黑漆	B
	100		W				S	银灰漆	S
	125		T						
	160								
200									
250									
315									
400									

注：用户在使用订货信息时，将马达结构、排量、安装法兰、轴伸、进出油口等信息，选择左面作色部位的代号按上面格式写给我们即可。若所选规格不在上述表中或特殊要求，请与我们联系。

1

2

3

4

5

6

7

8

OZ

1	2	3	4	5	6	7	8			
Type	Displace ment	Flange	Output shaft	Ports and drain port	Rotation direction	Paint	Unusually function			
OZ	36	2 2-Φ13.5 Rhomb-flange, pilotΦ82.5×8	A	D G1/2 Manifold 4×M8, G1/4 M M22×1.5 Manifold4×M8, M14×1.5 S 7/8-14 O-ring manifold, 4×5/16-18UNC,7/16-20UNF P 1/2-14NPTF manifold, 4×5/16-18UNC,7/16-20UNF R PT(Rc)1/2 manifold 4×M8, PT(Rc)1/4	00	No paint	Omit			
	50		C					Standard	Blue	Standard
	80		E					Opposite	Black	Free Running
	100		W					S	Silver grey	No case drain
	125		T							
	160									
200										
250										
315										
400										

Note:When the table is used, please fill the code of left rows in dash area and give us, which the code information is consists of construction, displacement, mounting flange, output shaft and ports. If the specification is not in the table or you have specific requirements, please contact us.



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产品特点/ Product features

OMR系列摆线液压马达是一种轴配流液压马达，该系列马达使用镶柱式转定子付，具有在高压下工作并能自动补偿的结构，从而使整机具有高效保持性好，工作寿命长。

- 其特点：
- 1、采用先进的转定子参数设计，启动压力低，效率较高，并且保持性好，运转平稳。
 - 2、采用高压轴密封，可承载较高背压，允许串、并联使用。
 - 3、联动轴结构优化设计，马达使用寿命长。
 - 4、配流系统参数优化设计，可满足低噪声要求。
 - 5、马达结构紧凑，安装方便。

OMR series motor adapt the advanced Geroler gear set design with shaft distribution flow, which can automatically compensate in operating with high pressure, provide reliable and smooth operation, high efficiency and long life.

- Characteristic features:
- 1、Advanced manufacturing devices for the Gerolor gear set, which use low pressure of start-up, provide smooth, reliable operation and high efficiency.
 - 2、Shaft seal can bear high pressure of back and the motor can be used in parallel or in series.
 - 3、Special design in the driver-linker and prolong operating life
 - 4、Special design for distribution system can meet the requirement of low noise of unit.
 - 5、Compact volume and easy installation

技术参数/ Technical data

以下表格技术参数针对OMR系列马达轴径为Φ25、Φ25.4，花键轴Φ25.4和锥轴Φ28.56
Technical parameters for OMR series motor shaft diameter Φ25 and Φ25.4, Spline shaft Φ25.4 and Cone shaft Φ28.56

型 号 Type		OMR OMRS 36	OMR OMRS 50	OMR OMRS 80	OMR OMRS 100	OMR OMRS 125	OMR OMRS 160	OMR OMRS 200	OMR OMRS 250	OMR OMRS 315	OMR OMRS 375
排量 (cm³/rev.) Geometric displacement		36	51.7	81.5	102	127.2	157.2	194.5	253.5	317.5	381.4
最高转速 Max. speed (rpm)	额定 rated	1055	750	650	520	420	330	265	200	165	135
	连续 cont.	1250	960	750	600	475	378	310	240	190	155
	断续 int.	1520	1150	940	750	600	475	385	300	240	190
最大扭矩 Max. torque (N.m)	额定 rated	69	100	160	200	250	320	330	352	360	420
	连续 cont.	72	100	195	240	300	360	360	390	390	365
	断续 int.	83	126	220	280	340	430	440	490	535	495
	峰值 peak	105	165	270	320	370	460	560	640	650	680
最大输出功率 Max. output (kw)	连续 cont.	8.5	9.5	12.5	13.0	12.5	12.5	10.0	7.0	6.0	5.0
	断续 int.	9.8	11.2	15.0	15.0	14.5	14.0	13.0	9.5	9.0	8.0
最高工作压差 Max. pressure drop (MPa)	额定 rated	14.0	14.0	14.0	14.0	14.0	14.0	12.0	11.0	8.5	8.5
	连续 cont.	14.0	14	17.5	17.5	17.5	16.5	13	11	9	7
	断续 int.	16.5	17.5	20	20	20	20	17.5	15	13	10
	峰值 peak	22.5	22.5	22.5	22.5	22.5	22.5	22.5	20	17.5	15
最大流量 Max. flow (L/min)	额定 rated	40	40	55	55	55	55	55	55	55	55
	连续 cont.	45	50	60	60	60	60	60	60	60	60
	断续 int.	55	60	75	75	75	75	75	75	75	75
重量 Weight (kg)		6.5	6.7	6.9	7	7.3	7.6	8.0	8.5	9.0	9.5

- * 额定转速、扭矩是指在额定流量、压力下的输出值。
* 连续值是指该排量马达可以连续工作的最大值。
* 断续值是指该排量马达在1分钟内工作6秒的最大值。
* 峰值是指该排量马达在1分钟内工作0.6秒的最大值。
- * Rated speed and rated torque: output value of speed and torque under rated flow and rated pressure;
* Continuous pressure: Max.value of operating motor continuously;
* Intermittent prssure: Max.value of operating motor in 6 seconds per minute;
* Peak pressure: Max.value of operating motor in 0.6 second per minute.

技术参数/ Technical data

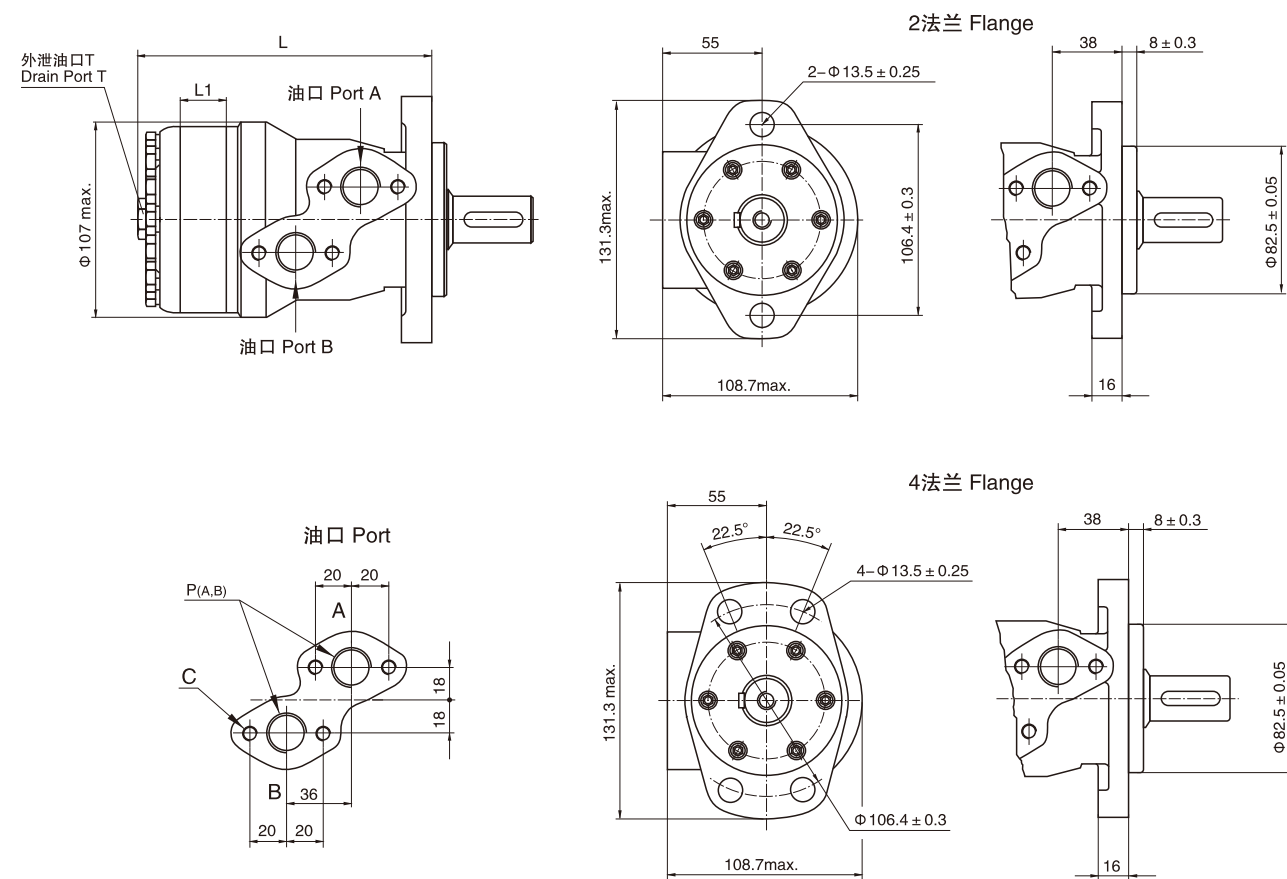
以下表格技术参数针对OMR系列马达轴径为Φ31.75、Φ32
Technical parameters for OMR series motor shaft diameter Φ31.75 and Φ32

型 号 Type		OMR OMRS 36	OMR OMRS 50	OMR OMRS 80	OMR OMRS 100	OMR OMRS 125	OMR OMRS 160	OMR OMRS 200	OMR OMRS 250	OMR OMRS 315	OMR OMRS 375
排量 (cm³/rev.) Geometric displacement		36	51.7	81.5	102	127.2	157.2	194.5	253.5	317.5	381.4
最高转速 Max. speed (rpm)	额定 rated	1055	750	650	520	420	330	265	200	165	135
	连续 cont.	1250	960	750	600	475	378	310	240	190	155
	断续 int.	1520	1150	940	750	600	475	385	300	240	190
最大扭矩 Max. torque (N.m)	额定 rated	69	100	160	200	250	320	330	352	360	420
	连续 cont.	72	100	195	240	300	360	450	540	550	580
	断续 int.	83	126	220	280	340	430	500	610	690	690
	峰值 peak	105	165	270	320	370	460	560	710	840	830
最大输出功率 Max. output (kw)	连续 cont.	8.5	9.5	12.5	13.0	12.5	12.5	11.0	10.0	9.0	7.5
	断续 int.	9.8	11.2	15.0	15.0	14.5	14.0	13.0	12.0	10.0	9.0
最高工作压差 Max. pressure drop (MPa)	额定 rated	14.0	14.0	14.0	14.0	14.0	14.0	12.0	11.0	8.5	8.5
	连续 cont.	14.0	14	17.5	17.5	17.5	16.5	17.5	17.5	13.5	11.5
	断续 int.	16.5	17.5	20	20	20	20	20	20	17.5	15
	峰值 peak	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	21	17.5
最大流量 Max. flow (L/min)	额定 rated	40	40	55	55	55	55	55	55	55	55
	连续 cont.	45	50	60	60	60	60	60	60	60	60
	断续 int.	55	60	75	75	75	75	75	75	75	75
重量 Weight (kg)		6.5	6.7	6.9	7	7.3	7.6	8.0	8.5	9.0	9.5

- * 额定转速、扭矩是指在额定流量、压力下的输出值。
* 连续值是指该排量马达可以连续工作的最大值。
* 断续值是指该排量马达在1分钟内工作6秒的最大值。
* 峰值是指该排量马达在1分钟内工作0.6秒的最大值。
- * Rated speed and rated torque: output value of speed and torque under rated flow and rated pressure;
* Continuous pressure: Max.value of operating motor continuously;
* Intermittent prssure: Max.value of operating motor in 6 seconds per minute;
* Peak pressure: Max.value of operating motor in 0.6 second per minute.

OMR系列/ OMR Serie

OMR 安装连接尺寸/ OMR Installation Dimensions

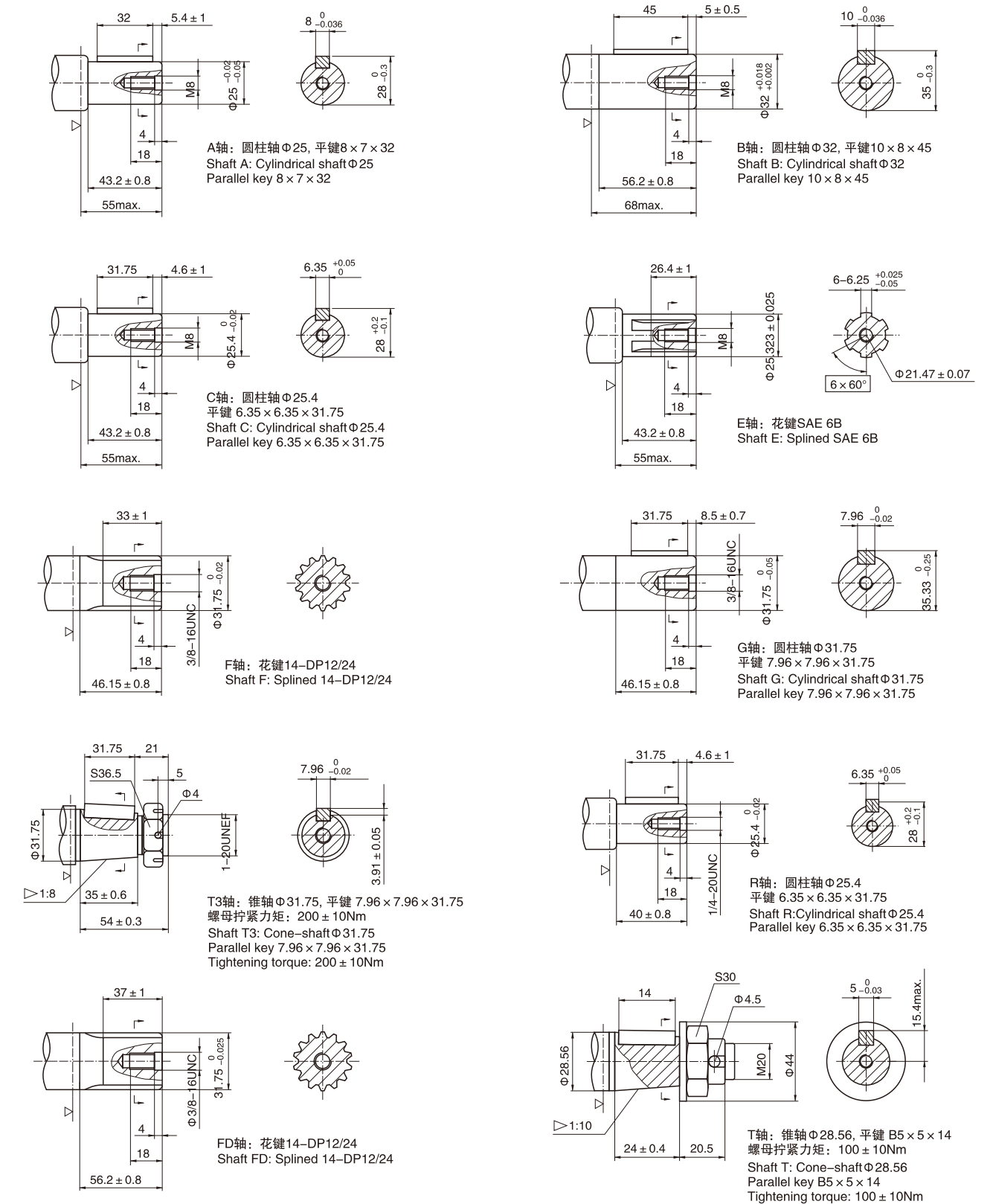


型号 Type	L	L1
OMR36	137	7
OMR50	140	10
OMR80	146	16
OMR100	150	20
OMR125	155	25
OMR160	161.5	30.5
OMR200	170	38.1
OMR250	180	50
OMR315	192	62
OMR375	204	74

连接形式 Mounting	代号 Code	D(深) (depth)	M(深) (depth)	S(深) (depth)	P(深) (depth)	R(深) (depth)
P (A,B)		G1/2 (15)	M22 × 1.5 (15)	7/8-14 O-ring (17)	1/2-14NPTF (15)	PT (RC) 1/2 (15)
C		4-M8 (13)	4-M8 (13)	4-5/16-18UNC (13)	4-5/16-18UNC (13)	4-M8 (13)
T		G1/4 (12)	M14 × 1.5 (12)	7/16-20UNF (12)	7/16-20UNF (12)	PT(RC)1/4 (9.7)

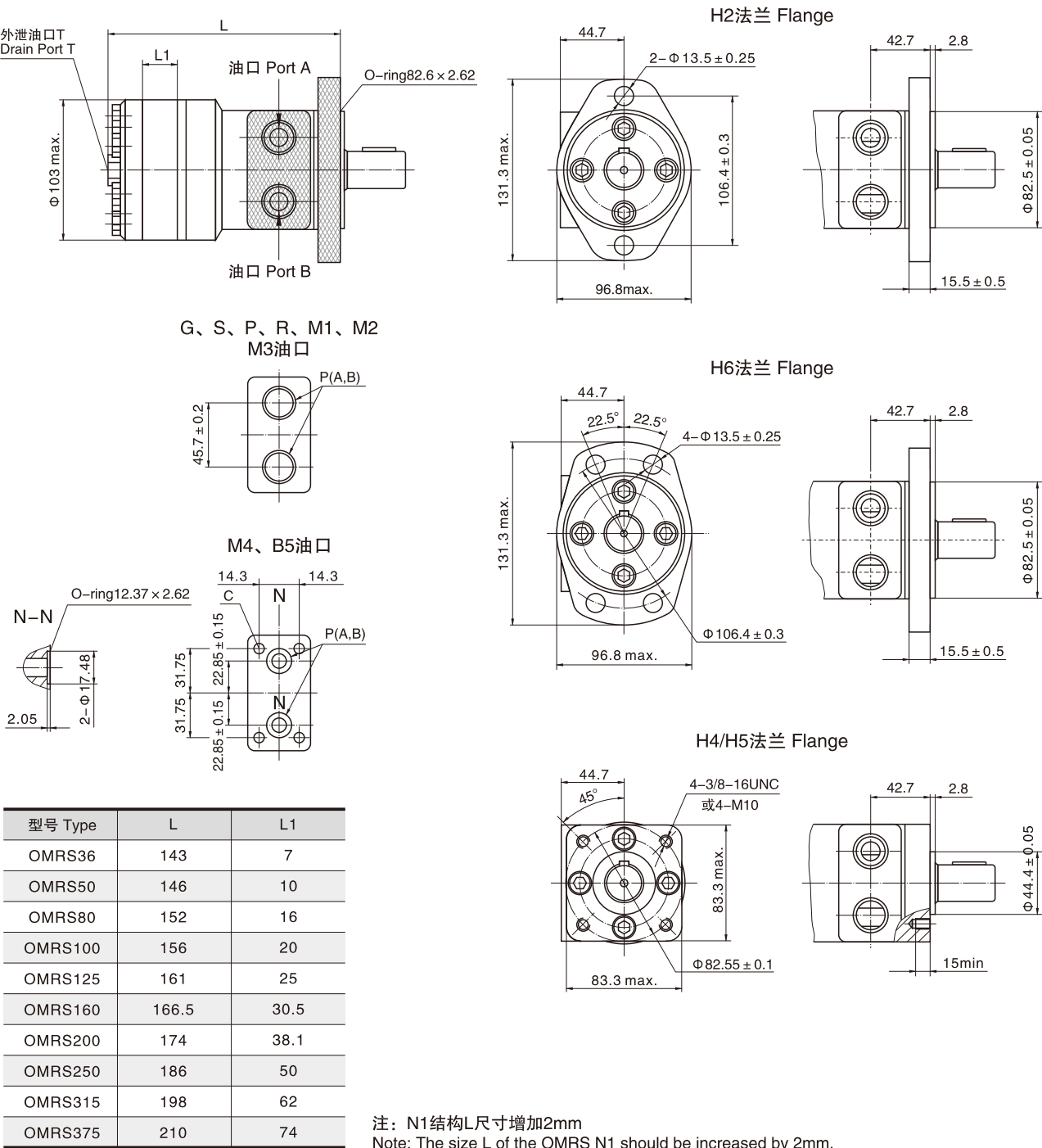
OMR系列/ OMR Serie

OMR 轴伸连接尺寸/ OMR Output Shaft Dimensions



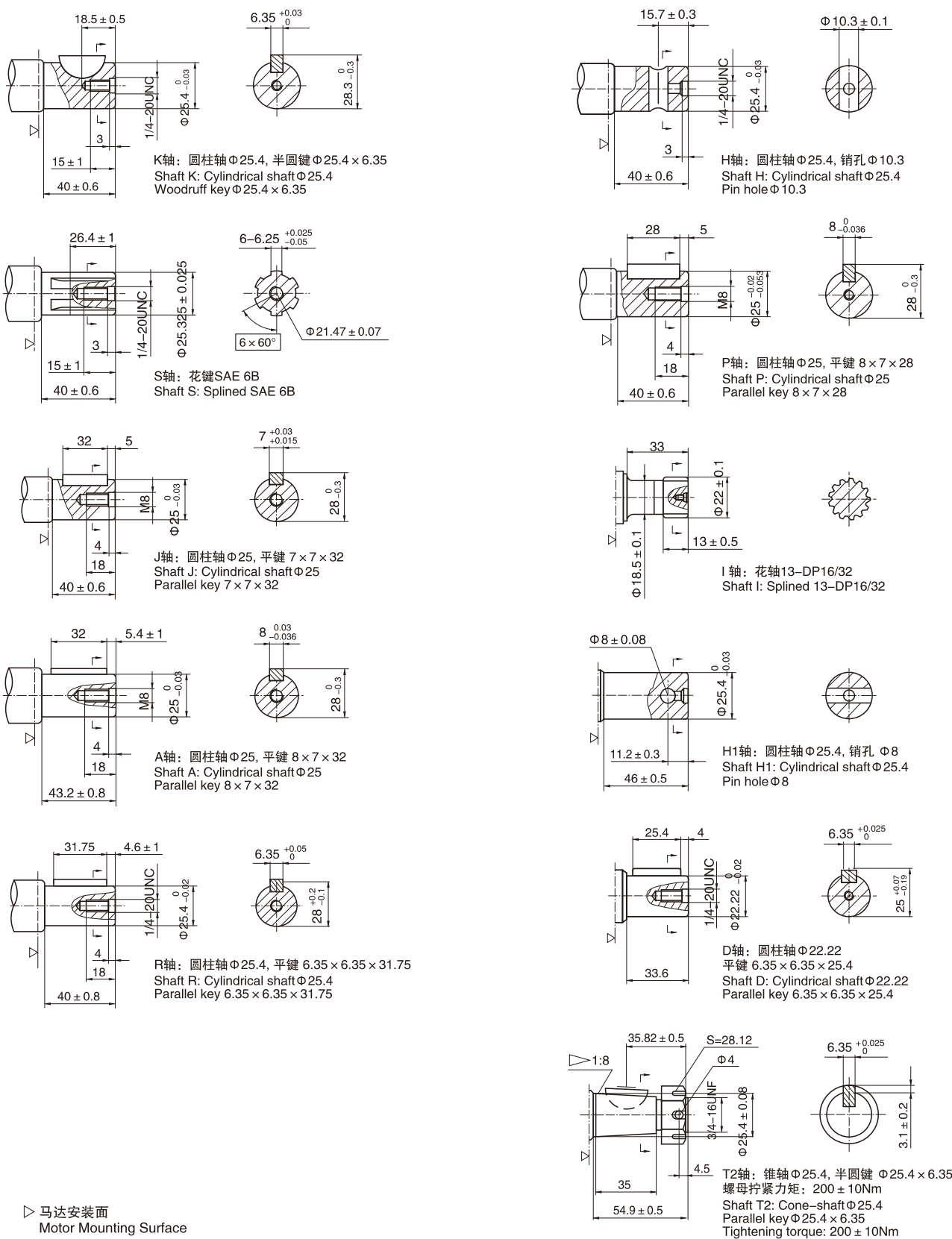
▶ 马达安装面
Motor Mounting Surface

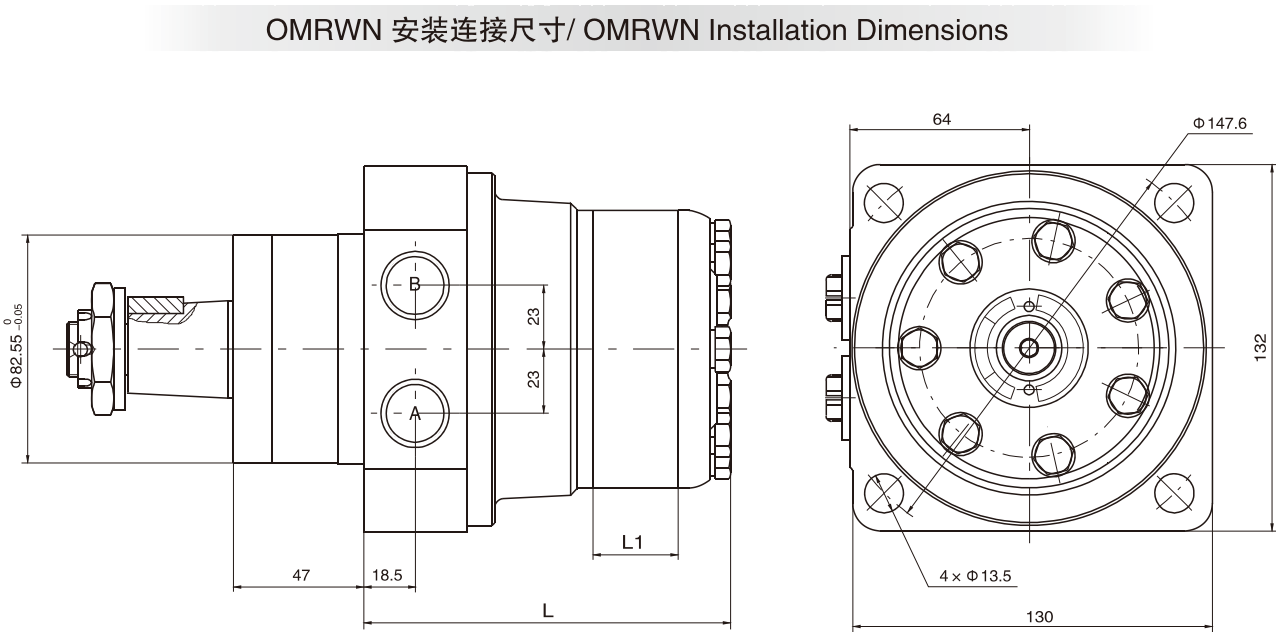
OMRS 安装连接尺寸/ OMRS Installation Dimensions



代号 连接形式 Mounting	G(深) (depth)	S(深) (depth)	P(深) (depth)	R(深) (depth)	M1(深) (depth)	M2(深) (depth)	M3(深) (depth)	B4(深) (depth)	B4(深) (depth)
P (A,B)	G1/2 (15)	7/8-14 O-ring (17)	1/2-14NPTF (15)	PT (RC) 1/2 (15)	M18×1.5 (15)	M20×1.5 (15)	M22×1.5 (15)	Φ10	Φ10
T	G1/4 (12)	7/16-20UNF (12)	7/16-20UNF (12)	PT(RC)1/4 (9.7)	M10×1 (12)	M10×1 (12)	M10×1 (12)	7/16-20UNF (12)	G1/4 (12)
C	-	-	-	-	-	-	-	4-5/16-18UNC (13)	4-M8 (13)

OMRS 轴伸连接尺寸/ OMRS Output Shaft Dimensions





型号 Type	L	L1
OMRWN-50	113	10
OMRWN-80	119	16
OMRWN-100	123	20
OMRWN-125	128	25
OMRWN-160	133.5	30.5
OMRWN-200	141	38.1
OMRWN-250	153	50
OMRWN-315	165	62
OMRWN-375	177	74

连接形式 Mounting	代号 Code	D(深) (depth)	M(深) (depth)	S(深) (depth)	P(深) (depth)
P (A,B)		G1/2 (15)	M22 x 1.5 (15)	7/8-14 O-ring (17)	1/2-14NPTF (15)
C		G1/4 (15)	M14 x 1.5 (12)	7/16-20UNC (12)	7/16-20UNC (12)

订货信息/ Order Information

1	2	3	4	5	6	7	8
型号	排量	法兰、止口	轴伸	油口、外泄口	旋向工况	油漆选项	特殊功能
OMR	36	2-Φ13.5菱法兰，止口Φ82.5×8 4-Φ13.5菱法兰，止口Φ82.5×8 4-3/8-16方法兰，止口Φ44.4×2.8 4-M10方法兰，止口Φ44.4×2.8	A Φ25轴，平键8×7×32	D G1/2板式 4×M8, G1/4 M M22×1.5板式4×M8, M14×1.5 S 7/8-14 O-ring板式4×5/16-18UNC, 7/16-20UNF P 1/2-14 NPTF板式4×5/16-18UNC, 7/16-20UNF R PT(Rc)1/2板式4×M8, PT(Rc)1/4	无 标准 R 反向	00 不油漆 无 蓝漆 B 黑漆 S 银灰漆	常规 大径向力 无外泄 自由转动 低转速
	50		B Φ32轴，平键10×8×45				
	80		C Φ25.4轴，平键6.35×6.35×31.75				
	100		E Φ25.4轴，花键SAE 6B				
	125		R Φ25.4短轴，平键6.35×6.35×31.75				
	160		F Φ31.75轴，花键14-DP12/24				
	200		FD Φ31.75长轴，花键14-DP12/24				
	250		G Φ31.75轴，平键7.96×7.96×31.75				
	315		T Φ28.56锥轴，平键B5×5×14				
	375						

注：用户在使用订货信息时，将马达结构、排量、安装法兰、轴伸、进出油口等信息，选择左面作色部位的代号按上面格式写给我们即可。若所选规格不在上述表中或特殊要求，请与我们联系。
B、F、FD、G、T3轴件规格不能和H4、H5安装法兰同时选用。(即H4、H5选用小于Φ28.56轴径)。

1	2	3	4	5	6	7	8
Type	Displace ment	Flange	Output shaft	Ports and drain port	Rotation direction	Paint	Unusually function
OMR	36	2-Φ13.5Rhomb-flange, pilotΦ82.5×8 4-Φ13.5Rhomb-flange, pilotΦ82.5×8 4-3/8-16 Square-flange, pilotΦ44.4×2.8 4-M10 Square-flange, pilotΦ44.4×2.8	A ShaftΦ25, parallel Key 8×7×32 B ShaftΦ32, parallel Key 10×8×45 C Short shaftΦ25.4, parallel key 6.35×6.35×31.75 E ShaftΦ25.4, splined tooth SAE 6B R ShaftΦ25.4, parallel Key 6.35×6.35×31.75 F ShaftΦ31.75, splined tooth 14-DP12/24 FD Long shaftΦ31.75, splined tooth 14-DP12/24 G ShaftΦ31.75, parallel Key 7.96×7.96×31.75 T Cone-ShaftΦ28.56, parallel Key B5×5×14	D G1/2 Manifold Mount 4-M8, G1/4 M M22×1.5 Manifold Mount 4-M8, M14×1.5 S 7/8-14 O-ring manifold 4-5/16-18UNC, 7/16-20UNF P 1/2-14 NPTF Manifold 4-5/16-18UNC, 7/16-20UNF R PT(Rc)1/2 Manifold 4-M8, PT(Rc)1/4	Omit Standard R Opposite S	00 No paint Omit Blue B Black S Silver grey	Omit N Big radial force O No case drain F Free Running LS Low Speed
	50						
	80						
	100						
	125						
	160						
	200						
	250						
	315						
	375						

Note: When the table is used, please fill the code of left rows in dash area and give us, which the code information is consists of construction, displacement, mounting flange, output shaft and ports. If the specification is not in the table or you have specific requirements, please contact us.

订货信息/ Order Information

OMR系列/ OMR Serie

1	2	3	4	5	6	7	8	
型号	排量	法兰、止口	轴 伸	油 口、外泄 口	旋 向 工 况	油 漆 选 项	特殊功能	
OMRS	36	K 2-Φ13.5菱法兰，止口Φ82.5×2.8 S 4-Φ13.5菱法兰，止口Φ82.5×2.8 R 4-Φ13.5菱法兰，止口Φ44.4×2.8 H 4-M10法兰，止口Φ44.4×2.8	K Φ25.4轴，半圆键Φ25.4×6.35	G G1/2, G1/4	无	00 不油漆	无	
	50		S Φ25.4小轴，花键SAE 6B	S 7/8-14 O-ring, 7/16-20UNF				
	80		A Φ25轴，平键8×7×32	P 1/2-14 NPTF, 7/16-20UNF				
	100		H2 Φ25.4轴，平键6.35×6.35×31.75	T 3/4-16 O-ring, 7/16-20UNF				
	125		H6 Φ25.4轴，销孔Φ10.3	R PT(Rc)1/2, PT(Rc)1/4				
	160		H4 Φ25.4轴，销孔Φ8	B4 Φ10 O-ring 板式4×5/16-18UNC, 7/16-20UNF				
	200		H5 4-M10法兰，止口Φ44.4×2.8	D Φ22.22轴，平键6.35×6.35×25.4		B5 Φ10 O-ring 板式4×M8 G1/4		
	250		I Φ22轴，花键13-DP16/32	M1 M18×1.5, M10×1		M1 M18×1.5, M10×1		
	315		T2 Φ25.4锥轴，半圆键Φ25.4×6.35	M2 M20×1.5, M10×1		M2 M20×1.5, M10×1		
	375		J Φ25轴，平键7×7×32	M3 M22×1.5, M10×1		M3 M22×1.5, M10×1	S 银灰漆	LS 低转速

注：用户在使用订货信息时，将马达结构、排量、安装法兰、轴伸、进出油口等信息，选择左面作色部位的代号按上面格式写给我们即可。若所选规格不在上述表中或特殊要求，请与我们联系。
B、F、FD、G、T3 轴件规格不能和 H4、H5安装法兰同时选用。(即H4、H5选用小于Φ28.56轴径)。

1	2	3	4	5	6	7	8	
Type	Displace ment	Flange	Output shaft	Ports and drain port	Rotation direction	Paint	Unusually function	
OMRS	36	H2 2-Φ13.5Rhomb-flange, pilotΦ82.5×2.8	K ShaftΦ25.4, Woodruff KeyΦ25.4×6.35	G G1/2, G1/4	Omit	00 No paint	Omit	
	50	A ShaftΦ25, parallel key 8×7×32	S Sub-shaftΦ25.4, splined tooth SAE 6B	S 7/8-14 O-ring 7/16-20UNF				N Big radial force
	80	R ShaftΦ25.4, parallel key 6.35×6.35×31.75	A ShaftΦ25, parallel key 8×7×32	P 1/2-14 NPTF, 7/16-20UNF				0 No case drain
	100	H 4-Φ13.5Rhomb-flange, pilotΦ82.5×2.8	R ShaftΦ25.4, parallel key 6.35×6.35×31.75	T 3/4-16 O-ring, 7/16-20UNF				B Black
	125	H1 4-3/8-16 Square-flange, pilotΦ44.4×2.8	H ShaftΦ25.4, Pin holeΦ10.3	R PT(Rc)1/2, PT(Rc)1/4				S Silver grey
	160	H4 4-3/8-16 Square-flange, pilotΦ44.4×2.8	H1 ShaftΦ25.4, pin holeΦ8	B4 Φ10 O-ring manifold 4×5/16-18UNC, 7/16-20UNF				LS Low Speed
	200	I 4-M10 Square-flange, pilotΦ44.4×2.8	D ShaftΦ22.22, parallel key 6.35×6.35×25.4	B5 Φ10 O-ring manifold 4×M8, G1/4				
	250	T2 4-M10 Square-flange, pilotΦ44.4×2.8	I ShaftΦ22, splined tooth 13-DP16/32	M1 M18×1.5, M10×1				
	315	J 4-M10 Square-flange, pilotΦ44.4×2.8	T2 Cone shaftΦ25.4, woodruff keyΦ25.4×6.35	M2 M20×1.5, M10×1				
	375		J ShaftΦ25, parallel Key 7×7×32	M3 M22×1.5, M10×1				

Note: When the table is used, please fill the code of left rows in dash area and give us, which the code information is consists of construction, displacement, mounting flange, output shaft and ports.
If the specification is not in the table or you have specific requirements, please contact us.

订货信息/ Order Information

OMR系列/ OMR Serie

1	2	3	4	5	6	7	8	
型号	排量	法兰、止口	轴 伸	油 口、外泄 口	旋 向 工 况	油 漆 选 项	特殊功能	
OMRWN	50	无 4-Φ13.5车轮法兰，止口Φ82.5×9.4	T1 Φ35锥轴，平键B6×6×20 B Φ32轴，平键10×8×4 F Φ31.75轴，花键 14-DP12/24 FD Φ31.75长轴，花键14-DP12/24 G Φ31.75轴，平键7.96×7.96×31.75	D G1/2, G1/4	无	00 不油漆	无	
	80			M M22×1.5, M14×1.5				
	100			S 7/8-14 O-ring, 7/16-20UNF				
	125			P 1/2-14 NPTF, 7/16-20UNF				
	160							
	200							
250								
315								
375								

注：用户在使用订货信息时，将马达结构、排量、安装法兰、轴伸、进出油口等信息，选择左面作色部位的代号按上面格式写给我们即可。若所选规格不在上述表中或特殊要求，请与我们联系。
马达具体的安装连接尺寸请与销售或技术服务人员联系确认。

1	2	3	4	5	6	7	8		
Type	Displace ment	Flange	Output shaft	Ports and drain port	Rotation direction	Paint	Unusually function		
OMRWN	50	Omit 4-Φ13.5 Wheel Mount, Φ82.5×9.4	T1 Cone shaftΦ35, parallel key B6×6×20 B ShaftΦ32, parallel key 10×8×4 F ShaftΦ31.75, splined key 14-DP12/24 FD Long ShaftΦ31.75, splined key14-DP12/24 G ShaftΦ31.75, parallel key 7.96×7.96×31.75	D G1/2, G1/4	00 No paint	00 No paint	Omit Standard		
	80			M M22×1.5, M14×1.5					
	100			S 7/8-14 O-ring, 7/16-20UNF					
	125			P 1/2-14NPTF, 7/16-20UNF					
	160								
	200								
250									
315									
375									

Note: When the table is used, please fill the code of right rows in the table and give us, which the code information is consists of construction, displacement, mounting flange output shaft and ports.
If the specification is not in the table or you have specific requirements, please contact us.



1、产品特点/ Product features	36
2、技术参数/ Technical data	36
3、安装联接尺寸/ Installation Dimensions	
OK 安装连接尺寸 OK Installation Dimensions	37
OK 轴伸连接尺寸 OK Output Shaft Dimensions	37
4、订货信息/ Order Information	38

产品特点/ Product features

OK系列摆线液压马达是一种轴配流液压马达，该系列采用镶柱式转定子付，具有在高压下工作并能自动补偿功能，从而使整机高效保持性好，工作寿命长。

其特点：

- 1、采用先进的转定子参数设计，启动压力低，效率较高，并保持性好，运转平稳；
- 2、旋转轴封承压高，可承载较高背压，允许串、并联使用；
- 3、联动轴特殊设计，马达使用寿命长；
- 4、特殊系统参数设计，可满足低噪音要求；
- 5、马达结构紧凑，安装方便，长度短，更适于紧凑工况。

OK series motor adapt the advanced Geroler gear set design with shaft distribution flow, which can automatically compensate in operating with high pressure, provide reliable and smooth operation, high efficiency and long life.

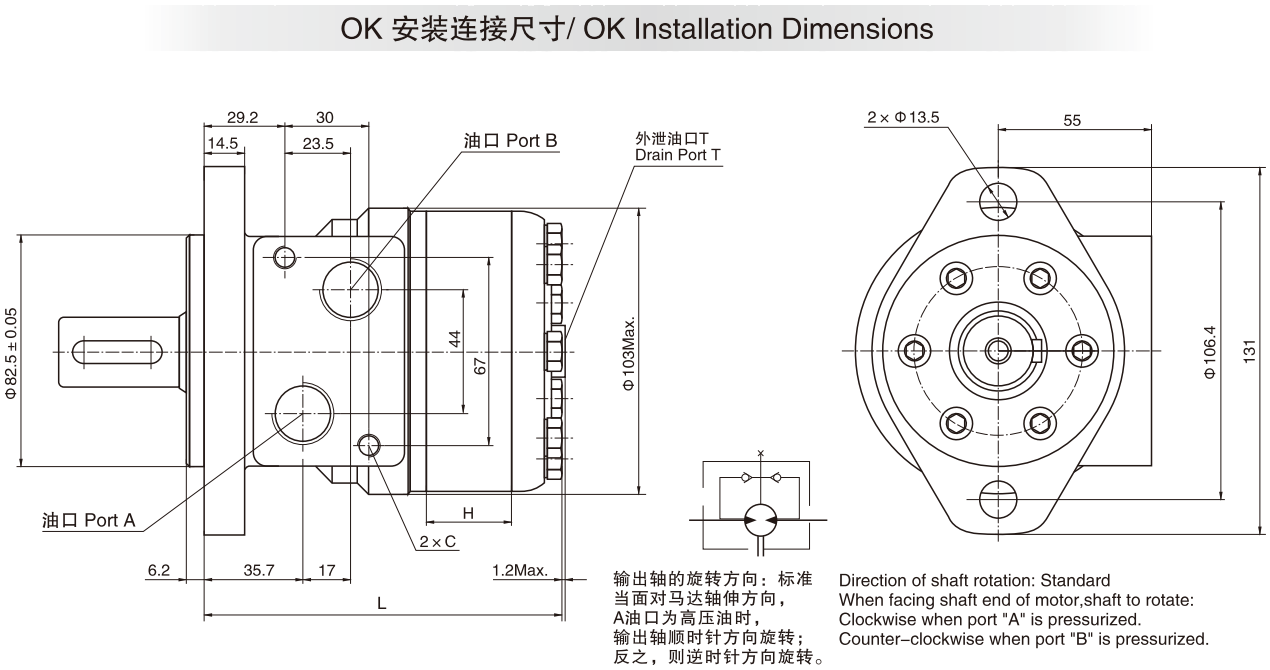
Characteristic features:

- 1、Advanced manufacturing devices for the Gerolor gear set, which use low pressure of start-up, provide smooth, reliable operation and high efficiency.
- 2、Shaft seal can bear high pressure of back and the motor can be used in parallel or in series
- 3、Special design in the driver-linker and prolong operating life
- 4、Special design for distribution system can meet the requirement of low noise of unit
- 5、Compact volume and easy installation

技术参数/ Technical data

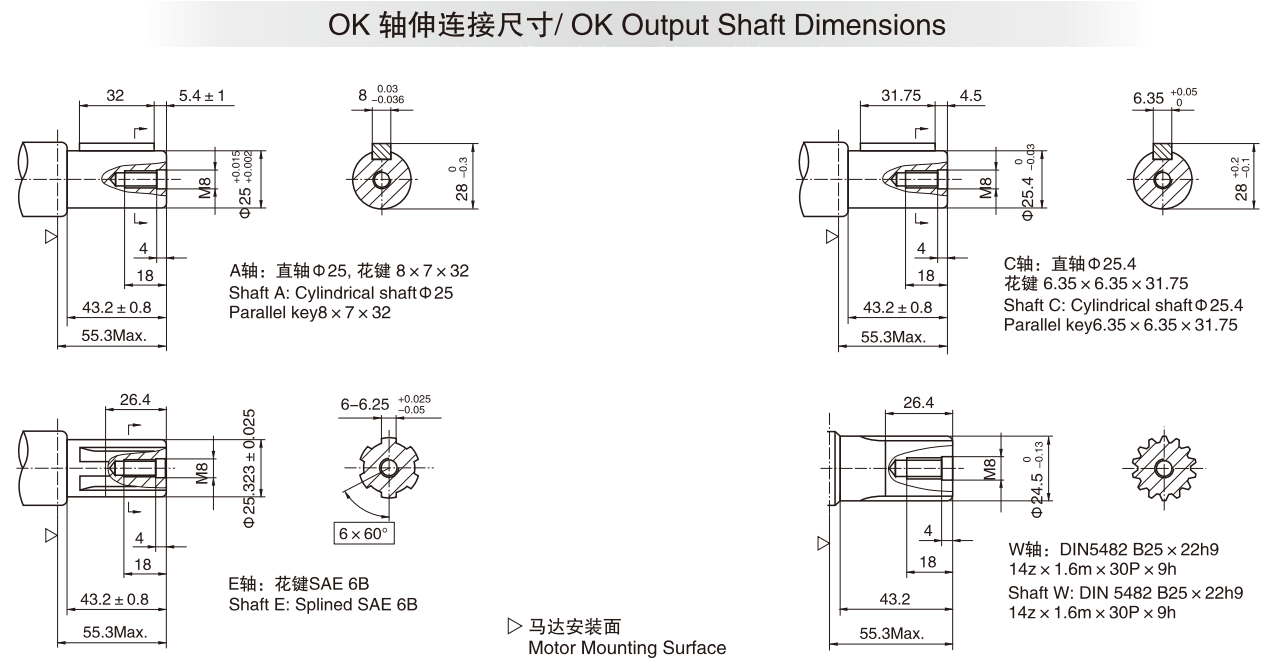
型 号 Type		OK 36	OK 50	OK 80	OK 100	OK 125	OK 160	OK 200	OK 250	OK 315	OK 375
排量 (cm³/rev.) Geometric displacement		36	51.7	81.5	102	127.2	157.2	194.5	253.3	317.5	381.4
最高转速 Max. speed (rpm)	连续 cont.	1111	780	744	595	480	382	301	238	191	162
最大扭矩 Max. torque (N.m)	连续 cont.	66	100	158	200	248	315	339	403	398	373
	断续 int.	83	129	196	242	298	384	419	474	498	466
最大输出功率 Max. output (kw)	连续 cont.	9	9	10.4	10.8	10.8	10.4	8.8	8.1	7.4	6.2
	断续 int.	10.4	10.4	12.6	12.8	12.5	11.5	10.2	9.4	7.8	7.1
最高工作压差 Max. pressure drop (MPa)	连续 cont.	14	14	14	14	14	14	12.5	11	9	7.5
	断续 int.	17.5	17.5	17.5	17.5	17.5	17.5	15.5	14	12.5	9
最大流量 Max. flow (L/min)	连续 cont.	40	40	60	60	60	60	60	60	60	60

- * 连续值是指该排量马达可以连续工作的最大值。
- * 断续值是指该排量马达在1分钟内工作6秒的最大值。
- * Continuous pressure: Max.value of operating motor continuously;
- * Intermittent prssure: Max.value of operating motor in 6 seconds per minute;



型号	OZ 36	OZ 50	OZ 80	OZ 100	OZ 125	OZ 160	OZ 200	OZ 250	OZ 315	OZ 375
H	7	10	16	20	25	30.5	38.1	50	62	74
L	105	108	114	118	123	128.5	136	148	160	172

连接形式 Mounting	代号 Code	D(深) (depth)	M(深) (depth)	S(深) (depth)	P(深) (depth)	R(深) (depth)
P (A,B)		G1/2 (15)	M22 × 1.5 (15)	7/8-14 O-ring (16.7)	1/2-14NPTF (15)	PT (RC) 1/2 (15)
C		4-M8 (13)	4-M8 (13)	4-5/16-18UNC (13)	4-5/16-18UNC (13)	4-M8 (13)
T		G1/4 (12)	M14 × 1.5 (12)	7/16-20UNF (12)	7/16-20UNF (12)	PT(RC)1/4 (9.7)



1	2	3	4	5	6	7	8
OK							
1	2	3	4	5	6	7	8
型号	排量	法兰、止口	轴伸	油口、外泄口	旋向工况	油漆选项	特殊功能
OK	36 50 80 100 125 160 200 250 315 375	2 2-Φ13.5泰法兰, 止口Φ82.5×6.2	A Φ25轴, 平键8×7×32 C Φ25.4轴, 平键6.35×6.35×31.75 E Φ25.4轴, 花键SAE 6B W Φ24.5轴, 花键B25×22 T Φ28.56锥轴, 平键B5×5×14	D G1/2 板式4×M8, G1/4 M M22×1.5, 板式4×M8, M14×1.5 S 7/8-14 O-ring 板式 4×5/16-18UNC, 7/16-20UNF P 1/2-14 NPTF 板式 4×5/16-18UNC, 7/16-20UNF R PT(Rc)1/2 板式4×M8, PT(Rc)1/4	无 标准 反向 R	00 不油漆 无 蓝漆 B 黑漆 S 银灰漆	常规 自由转动 无外泄 F 0
1	2	3	4	5	6	7	8
OK							
1	2	3	4	5	6	7	8
Type	Displace ment	Flange	Output shaft	Ports and drain port	Rotation direction	Paint	Unusually function
OK	36 50 80 100 125 160 200 250 315 375	2 2-Φ13.5 Rhomb-flange, pilot Φ82.5×6.2	A ShaftΦ25, parallel key 8×7×32 C ShaftΦ25.4, parallel key 6.35×6.35×31.75 E ShaftΦ25.4, splined key SEA 6B W ShaftΦ24.5, splined B25×22 T Cone shaftΦ28.56, parallel key B5×5×14	D G1/2 Manifold 4×M8, G1/4 M M22×1.5 Manifold4×M8, M14×1.5 S 7/8-14 O-ring manifold 4×5/16-18UNC, 7/16-20UNF P 1/2-14NPTF manifold 4×5/16-18UNC, 7/16-20UNF R PT(Rc)1/2 manifold 4×M8, PT(Rc)1/4	00 Omit B S Standard Opposite R	No paint Blue Black Silver grey Omit Standard	

注：用户在使用订货信息时，将马达结构、排量、安装法兰、轴伸、进出油口等信息，选择左面作色部位的代号按上面格式写给我们即可。若所选规格不在上述表中或特殊要求，请与我们联系。

Note: When the table is used, please fill the code of right rows in the table and give us, which the code information is consists of construction, displacement, mounting flange output shaft and ports. If the specification is not in the table or you have specific requirements, please contact us.



1、产品特点/ Product features	40
2、技术参数/ Technical data	40
3、安装联接尺寸/ Installation Dimensions	
OMH 安装连接尺寸 OMH Installation Dimensions	41
OMH 轴伸连接尺寸 OMH Output Shaft Dimensions	42
4、订货信息/ Order Information	43

产品特点/ Product features

OMH系列摆线液压马达是一种轴配流液压马达，该系列马达使用镶柱式转定子付，具有在高压下工作并能自动补偿的结构，从而使整机具有高效保持性好，工作寿命长。

- 其特点：
- 1、采用先进的转定子参数设计，启动压力低，效率较高，并且保持性好，运转平稳。
 - 2、采用高压轴密封，可承载较高背压，允许串、并联使用。
 - 3、联动轴结构优化设计，马达使用寿命长。
 - 4、配流系统参数优化设计，可满足低噪声要求。
 - 5、马达结构紧凑，安装方便。

OMH series motor adapt the advanced Geroler gear set design with shaft distribution flow, which can automatically compensate in operating with high pressure, provide reliable and smooth operation, high efficiency and long life.

- Characteristic features:
- 1、Advanced manufacturing devices for the Gerolor gear set, which use low pressure of start-up, provide smooth, reliable operation and high efficiency.
 - 2、Shaft seal can bear high pressure of back and the motor can be used in parallel or series.
 - 3、Special design in the driver-linker and prolong operating life.
 - 4、Special design for distribution system can meet the requirement of low noise of unit.
 - 5、Compact volume and easy installation.

技术参数/ Technical data

以下表格技术参数针对OMH系列马达轴径为Φ35，花键轴Φ31.75和锥轴Φ35
Technical parameters for OMH series motor shaft diameter Φ35, Spline shaft Φ31.75 and Cone shaft Φ35

型 号 Type		OMH 200	OMH 250	OMH 315	OMH 400	OMH 500
排量 (cm³/rev.) Geometric displacement		203.2	255.9	316.1	406.4	489.2
最高转速 Max. speed (rpm)	额定 rated	290	230	180	145	120
	连续 cont.	366	290	236	183	155
	断续 int.	439	348	282	220	166
最大扭矩 Max. torque (N.m)	额定 rated	400	500	600	705	670
	连续 cont.	510	621	740	850	830
	断续 int.	579	702	827	990	1040
	峰值 peak	651	790	980	1092	1170
最大输出功率 Max. output (kw)	连续 cont.	16	16	14	12.5	11
	断续 int.	18.5	18.5	15.5	15	14
最高工作压差 Max. pressure drop (MPa)	额定 rated	14.0	14.0	14.0	12.5	10.0
	连续 cont.	17.5	17.5	17.5	15.5	12.5
	断续 int.	20	20	20	19	16
	峰值 peak	22.5	22.5	22.5	21	18
最大流量 Max. flow (L/min)	额定 rated	60	60	60	60	60
	连续 cont.	75	75	75	75	75
	断续 int.	90	90	90	90	90
重量 Weight (kg)		10.5	11	11.5	12.3	13.0

订货信息/ Order Information

1	2	3	4	5	6	7	8
型号	排量	法兰、止口	轴伸	油口、外泄口	旋向工况	油漆选项	特殊功能
OMH	8	2 2-Φ13.5菱法兰，止口Φ82.5×6 4 4-Φ13.5菱法兰，止口Φ82.5×8	B Φ32轴，平键10×8×45	D G1/2板式 4×M8, G1/4 M M22×1.5板式4×M8, M14×1.5 S 7/8-14 O-ring板式4×5/16-18UNC, 7/16-20UNF P 1/2-14 NPTF板式4×5/16-18UNC, 7/16-20UNF R PT(Rc)1/2板式4-M8, PT(Rc)1/4	无 标准 R 反向	00 不油漆	无 常规
	12.5		M Φ35轴，平键10×8×45			无 蓝漆	0 无外泄
	20		F Φ31.75轴，花键14-DP12/24				
	32		FD Φ31.75长轴，花键14-DP12/24				
	40		G Φ31.75轴，平键7.96×7.96×31.75			B 黑漆	F 自由转动
	50		T1 Φ35锥轴，平键B6×6×20 S Φ25.4轴，花键SAE 6B			S 银灰漆	LS 低转速

注：用户在使用订货信息时，将马达结构、排量、安装法兰、轴伸、进出口等信息，选择左面作色部位的代号按上面格式写给我们即可。若所选规格不在上述表中或特殊要求，请与我们联系。
马达具体的安装连接尺寸请与销售或技术服务人员联系确认。

1	2	3	4	5	6	7	8
Type	Displace ment	Flange	Output shaft	Ports and drain port	Rotation direction	Paint	Unusually function
OMH	8	2 4×Φ13.5 Rhomb×flange, PilotΦ82.5×6 4 2×Φ13.5 Rhomb×flange, PilotΦ82.5×6	B ShaftΦ32, parallel key 10×8×45	D G1/2 Manifold mount 4×M8, G1/4 M M22×1.5 Manifold mount 4×M8, M14×1.5 S 7/8-14 O×ring Manifold mount 4×5/16-18UNC,7/16-20UNF P 1/2-14 NPTF Manifold mount 4×5/16-18UNC,7/16-20UNF R PT(Rc) 1/2 Manifold mount 4×M8, PT(Rc)1/4	Omit Standard R Opposite	00 No paint	Omit Standard
	12.5		M ShaftΦ35, parallel key 10×8×45			Blue	No drain
	20		F ShaftΦ31.75, splined key 14-DP12/24			Black	Free Running
	32		FD Long ShaftΦ31.75, splined key 14-DP12/24			S Silver grey	Low Speed
	40		G ShaftΦ32, parallel key 7.96×7.96×31.75				
	50		T1 Cone shaftΦ35, parallel key B6×6×20 S ShaftΦ25.4, parallel key SAE 6B				

Note: When the table is used, please fill the code of right rows in the table and give us, which the code information is consists of construction, displacement, mounting flange output shaft and ports.
If the specification is not in the table or you have specific requirements, please contact us.



1、产品特点/ Product features	45
2、技术参数/ Technical data	45
3、安装联接尺寸/ Installation Dimensions	
OMSY 安装连接尺寸 OMSY Installation Dimensions	46
OMSYS 安装连接尺寸 OMSYS Installation Dimensions	49
OMSY 安装连接尺寸 OMSY Installation Dimensions	51
OMSY 轴伸连接尺寸 OMSY Output Shaft Dimensions	52
4、订货信息/ Order Information	54

产品特点/ Product features

OMSY系列摆线液压马达是一种先进的端面配流结构液压马达，该马达使用镶柱式转定子付，具有工作压力高，工作效率高，整机高效保持性好，工作寿命长的特点。可在标准结构的基础上根据用户需求进行多功能的变型设计。

- 其特点：
- 1、采用先进的转定子参数设计，启动压力低，效率高并保持性好；
 - 2、工作压力高，输出扭矩大。采用圆锥滚子轴承结构，承受轴、径向负荷能力强，使马达可直接驱动工作机构，使用范围扩大；
 - 3、先进端面配流结构，使马达配流精度高，磨损后自动补偿功能强，确保高的容积效率、马达长寿命，确保马达转速平稳、负载速度特性平稳；
 - 4、能够驱动更大的负载，工作压力等级更高。

OMSY new series motor adapt the advanced Geroler gear set designed with disc distribution flow and high pressure. The unit can be supplied the individual variant in operating multifunction in accordance with requirement of applications.

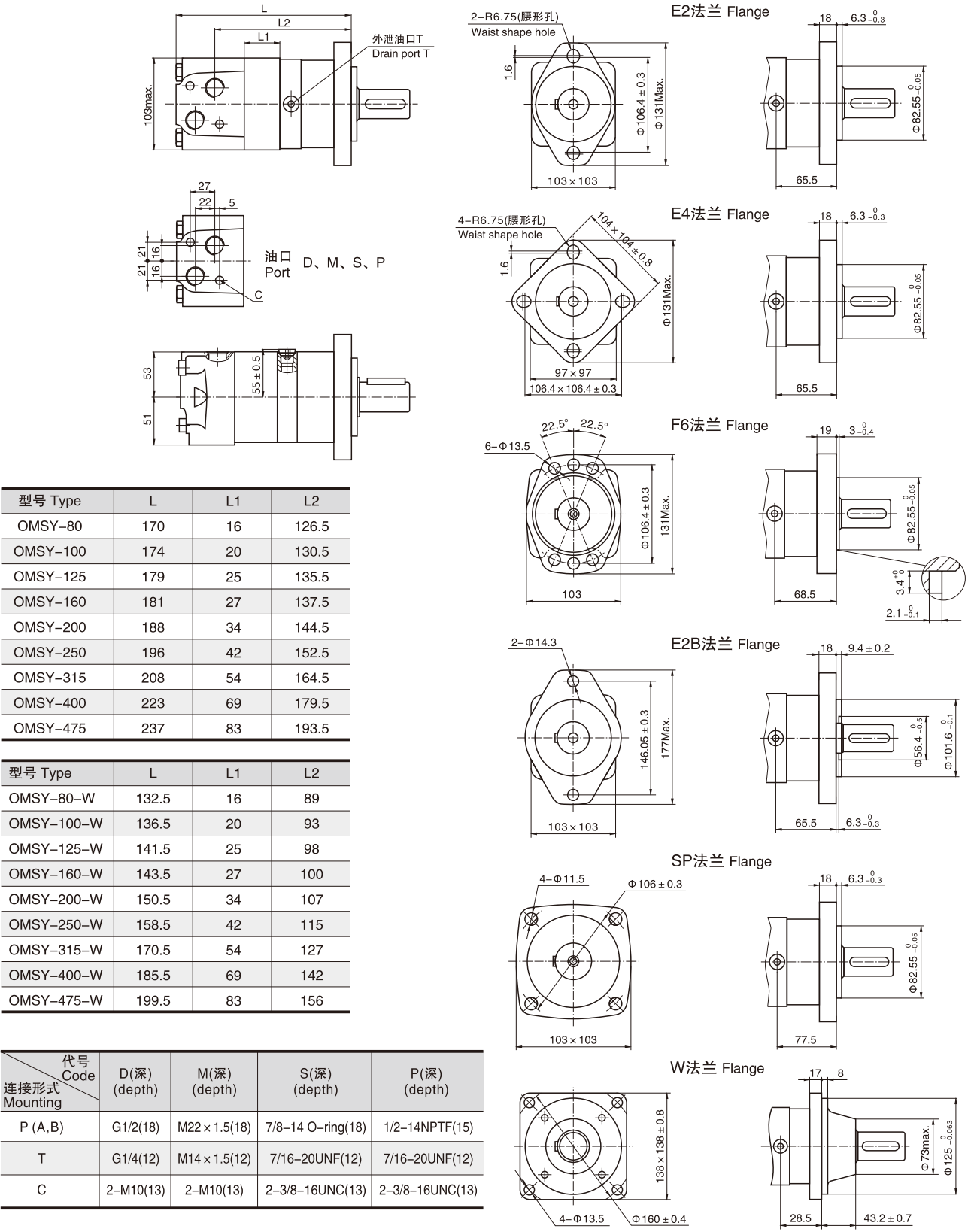
- Characteristic features:
- 1、Advanced manufacturing devices for the Geroler gear set, which use low pressure of start-up, provide smooth and reliable operation and high efficiency.
 - 2、The output shaft adapts in tapered roller bearings that permit high axial and radial forces. The case can offers capacities of high pressure and high torque in the wide of applications.
 - 3、Advanced design in disc distribution flow, which can automatically compensate in operating with high volume efficiency and long life, provide smooth and reliable operation.
 - 4、The new series motor is suitable for vehicles with greater loads and pressure drop.

技术参数/ Technical data

型 号 Type		OMSY OMSYS 80	OMSY OMSYS 100	OMSY OMSYS 125	OMSY OMSYS 160	OMSY OMSYS 200	OMSY OMSYS 250	OMSY OMSYS 315	OMSY OMSYS 400	OMSY OMSYS 475
排量 (cm³/rev.) Geometric displacement		80.6	100.8	125	154	194	243	311	394	475
最高转速 (rpm) Max. speed	额定 rated	675	540	432	337	270	216	171	135	110
	连续 cont.	800	748	600	470	375	300	240	185	155
	断续 int.	988	900	720	560	450	360	280	225	185
最大扭矩 (N.m) Max. torque	额定 rated	175	220	273	445	505	620	700	765	780
	连续 cont.	225	290	365	485	586	708	880	880	910
	断续 int.	305	390	480	590	705	860	1000	980	990
最大输出功率 (kw) Max. output	额定 rated	12	12.4	12.4	12.4	12.4	12.4	11.2	9.6	8.6
	连续 cont.	16	18	18	18.1	18.1	18	17	11	9
	断续 int.	20	22	23	25	24	23.8	20.2	12	11
最高工作压力 Max. pressure drop (MPa)	额定 rated	16	16	16	19	19	18	16	14	12
	连续 cont.	20.5	20.5	20.5	21	21	20	20	16	14
	断续 int.	27.5	27.5	27.5	26	25	25	24	19	15
	峰值 peak	29.5	29.5	29.5	28	27	27	26	21	17.5
最大流量 (L/min) Max. flow	连续 cont.	65	75	75	75	75	75	75	75	75
	断续 int.	80	90	90	90	90	90	90	90	90
最高进油压力 Max. inlet pressure (MPa)	额定 rated	21	21	21	21	21	21	21	21	21
	连续 cont.	25	25	25	25	25	25	25	25	25
	断续 int.	30	30	30	30	30	30	30	30	30
重量 Weight (kg)		9.8	10	10.3	10.7	11.1	11.6	12.3	13.2	14.3

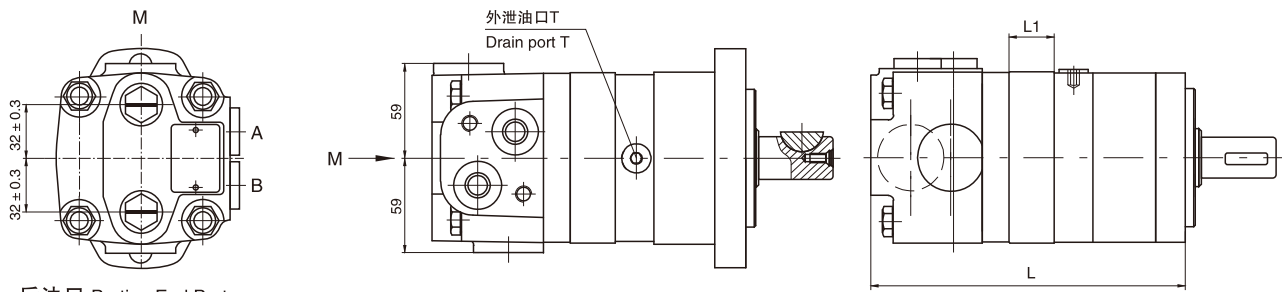
- * 额定转速、扭矩是指在额定流量、压力下的输出值。
* 连续值是指该排量马达可以连续工作的最大值。
* 断续值是指该排量马达在1分钟内工作6秒的最大值。
* 峰值是指该排量马达在1分钟内工作0.6秒的最大值。
- * Rated speed and rated torque: output value of speed and torque under rated flow and rated pressure;
* Continuous pressure: Max.value of operating motor continuously;
* Intermittent prssure: Max.value of operating motor in 6 seconds per minute;
* Peak pressure: Max.value of operating motor in 0.6 second per minute.

OMSY 安装连接尺寸/ OMSY Installation Dimensions



OMSY系列/ OMSY Serie

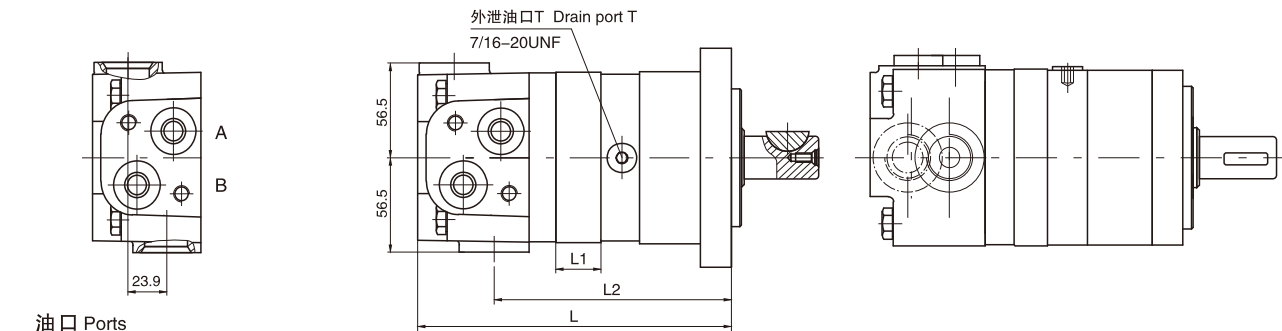
OMSY 安装连接尺寸/ OMSY Installation Dimensions



后油口 Porting End Ports

型号 Type	L	L1	型号 Type	L	L1
OMSY-80	176	16	OMSY-80-WE	148	16
OMSY-100	180	20	OMSY-100-WE	152	20
OMSY-125	185	25	OMSY-125-WE	157	25
OMSY-160	187	27	OMSY-160-WE	159	27
OMSY-200	194	34	OMSY-200-WE	166	34
OMSY-250	202	42	OMSY-250-WE	174	42
OMSY-315	214	54	OMSY-315-WE	186	54
OMSY-400	229	69	OMSY-400-WE	201	69
OMSY-475	243	83	OMSY-475-WE	215	83

连接形式 Mounting	代号 Code	EE-D(深) (depth)	EE-M2(深) (depth)	EE-S2(深) (depth)
P (A,B)		G1/2(15)	M22 × 1.5(15)	7/8-14 O-ring(17)
T		G1/4(12)	M14 × 1.5(12)	7/16-20UNF(12)



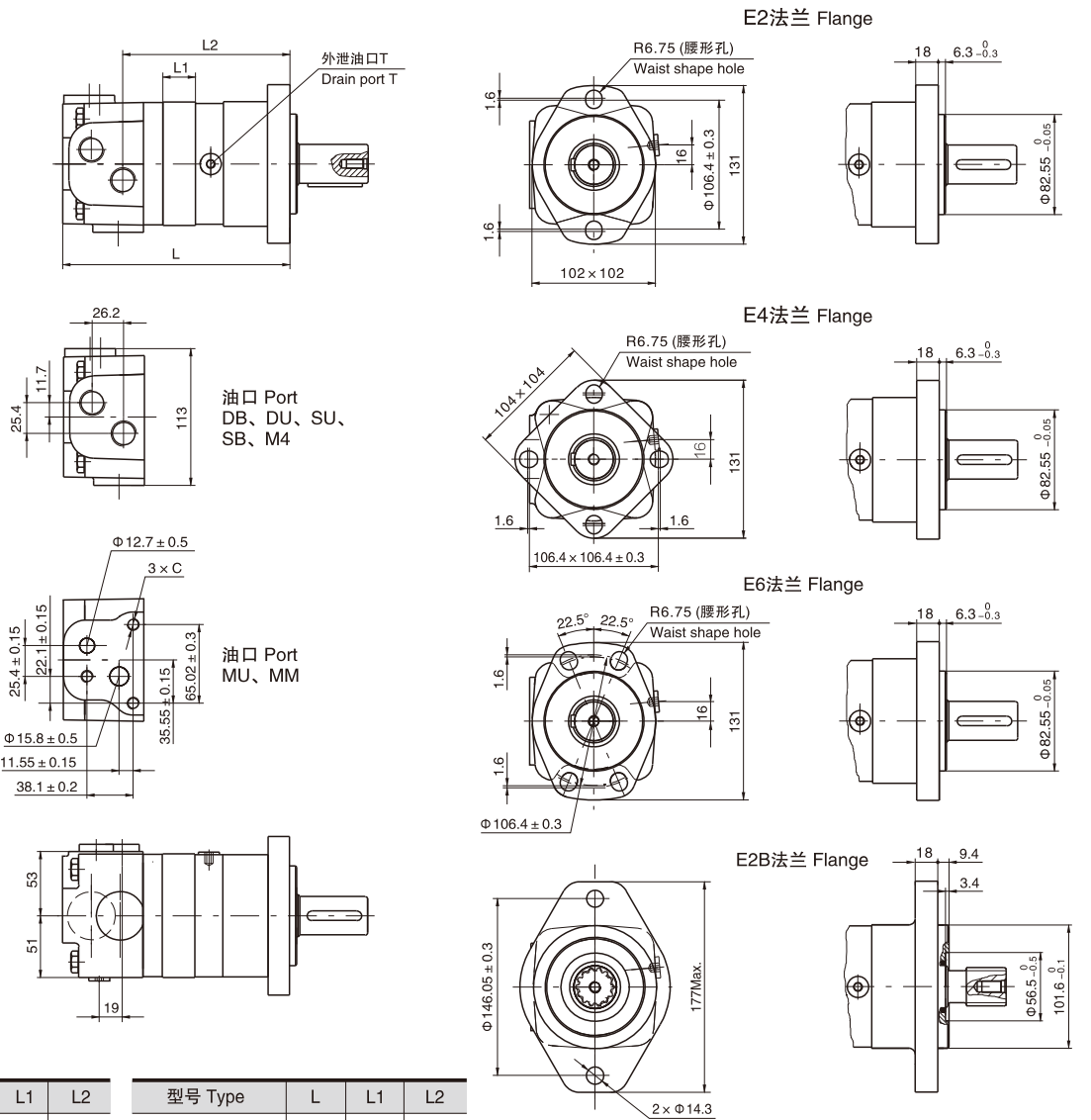
油口 Ports
ED 1-1/16-12UN O-ring
180° 对称油口 Apart ports

型号 Type	L	L1	L2	型号 Type	L	L1	L2
OMSY-80	176	16	130	OMSY-80-WE	148	16	102
OMSY-100	180	20	134	OMSY-100-WE	152	20	106
OMSY-125	185	25	139	OMSY-125-WE	157	25	111
OMSY-160	187	27	141	OMSY-160-WE	159	27	113
OMSY-200	194	34	148	OMSY-200-WE	166	34	119
OMSY-250	202	42	156	OMSY-250-WE	178	42	127
OMSY-315	214	54	168	OMSY-315-WE	190	54	139
OMSY-400	229	69	183	OMSY-400-WE	205	69	154
OMSY-475	243	83	197	OMSY-475-WE	219	83	168

连接形式 Mounting	代号 Code	EE-D(深) (depth)	EE-M2(深) (depth)	EE-S2(深) (depth)
P (A,B)		G1/2(15)	M22 × 1.5(15)	7/8-14 O-ring(17)
T		G1/4(12)	M14 × 1.5(12)	7/16-20UNF(12)

OMSY系列/ OMSY Serie

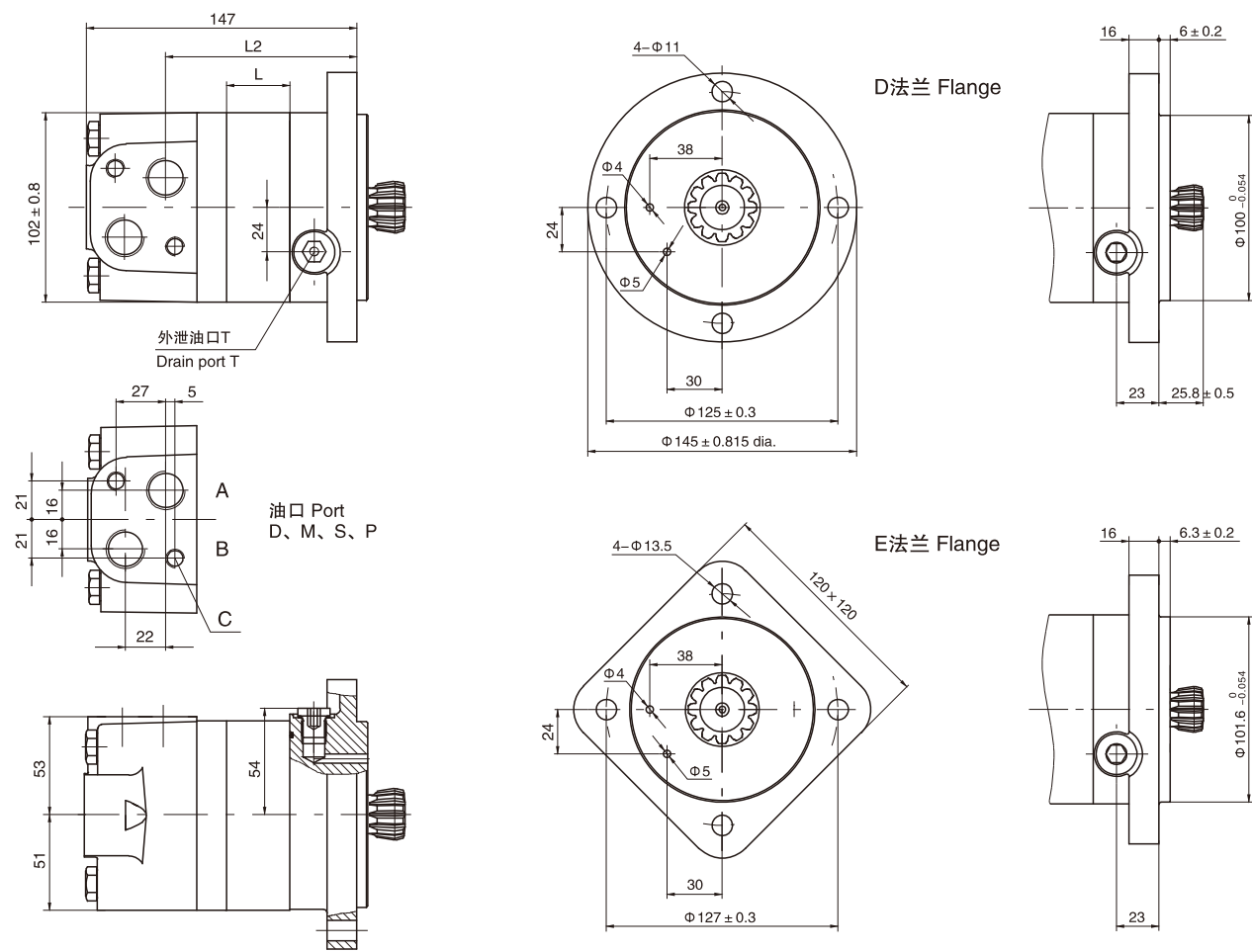
OMSY 安装连接尺寸/ OMSY Installation Dimensions



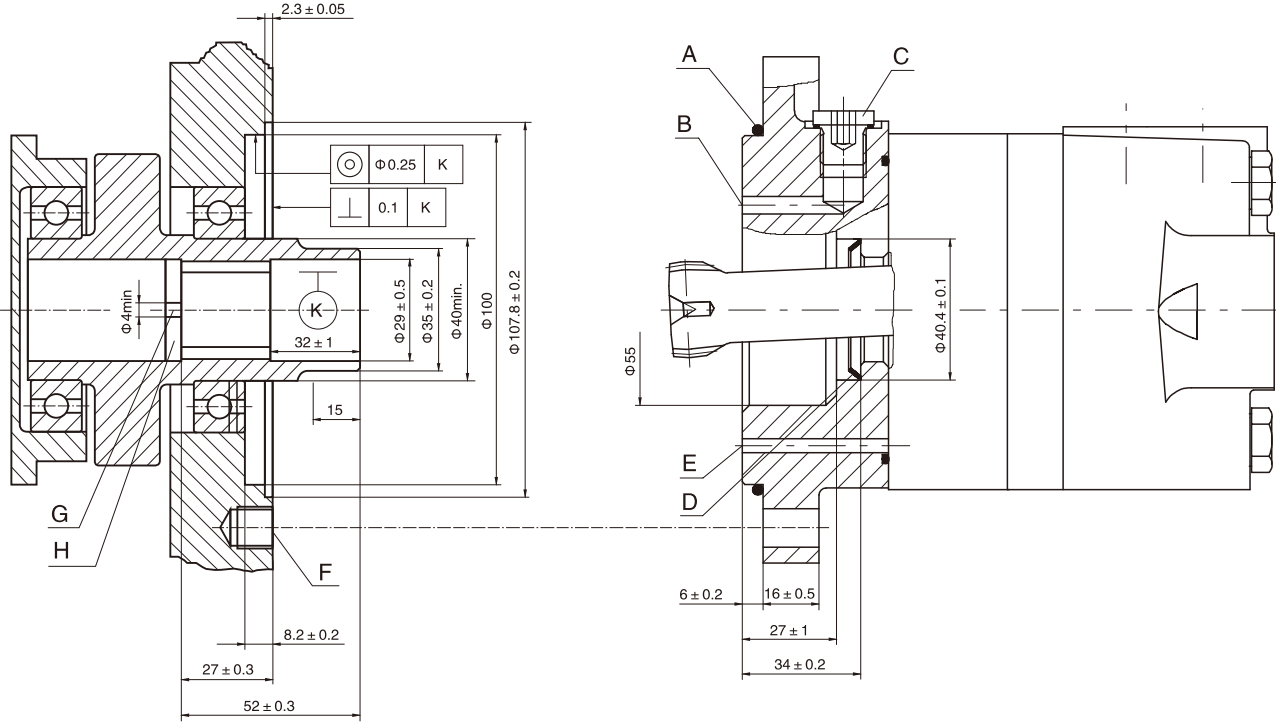
型号 Type	L	L1	L2	型号 Type	L	L1	L2
OMSY-80	177	16	126.5	OMSY-80-WE	148.5	16	98
OMSY-100	181	20	130.5	OMSY-100-WE	152.5	20	102
OMSY-125	186	25	135.5	OMSY-125-WE	157.5	25	107
OMSY-160	188	27	137.5	OMSY-160-WE	159.5	27	109
OMSY-200	195	34	144.5	OMSY-200-WE	166.5	34	116
OMSY-250	203	42	152.5	OMSY-250-WE	174.5	42	124
OMSY-315	215	54	164.5	OMSY-315-WE	186.5	54	136
OMSY-400	230	69	179.5	OMSY-400-WE	201.5	69	151
OMSY-475	244	83	193.5	OMSY-475-WE	215.5	83	165

连接形式 Mounting	代号 Code	D(深) (depth)	DU(深) (depth)	SU7(深) (depth)	SB(深) (depth)	M4(深) (depth)	MU	MM
P (A,B)		G1/2(15)	G1/2(15)	7/8-14 O-ring(17)	7/8-14 O-ring(17)	M22 × 1.5(15)	Φ 12.7, Φ 15.8	Φ 12.7, Φ 15.8
T		G1/4(12)	7/16-20UNF(12)	7/16-20UNF(12)	G1/4(12)	M12 × 1.5(12)	7/16-20UNF(12)	G1/4(12)
C		-	-	-	-	-	3/8-16UNC	M10

OMSYS 安装连接尺寸/ OMSYS Installation Dimensions



OMSYS 安装连接尺寸/ OMSYS Installation Dimensions



- A: O形圈 100×3

B: 外泄油通道

C: 泄油口连接深12mm

D: 锥形密封圈

E: 内泄油通道

F: 15mm深

G: 回油孔

H: 硬化挡板
- A: O-ring: 100×3

B: External drain channel

C: Drain connection G 1/4; 12 mm deep

D: Conical seal ring

E: Internal drain channel

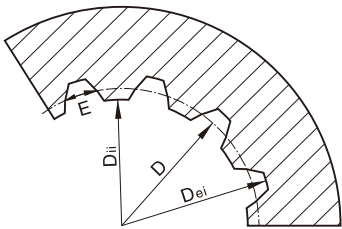
F: M10; min. 15mm deep

G: Oil circulation hole

H: Hardened stop plate

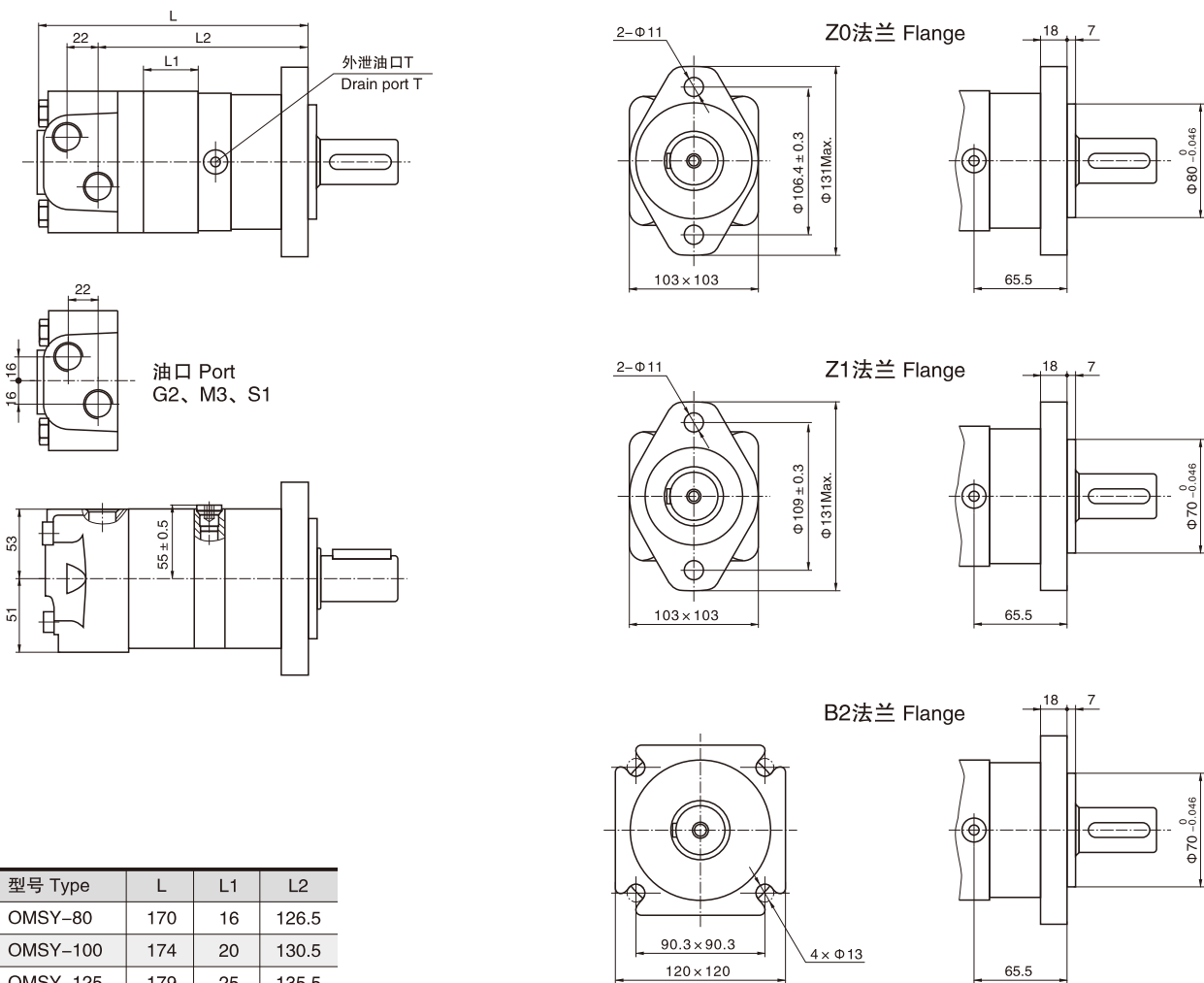
用户花键孔参数表
Internal spline data for the attached component

齿侧配合 Fillet Root Side Fit		mm
齿数 Number of Teeth	Z	12
径节 Diametral Pitch	DP	12/24
压力角 Pressure Angle	α _D	30°
分度圆 Pitch Dia.	D	Φ25.4
大径 Major Dia.	D _{ei}	Φ28 ⁰ _{-0.1}
小径 Minor Dia.	D _{ii}	Φ23 ^{+0.033} ₀
齿槽宽 Space Width [Circular]	E	4.308±0.02



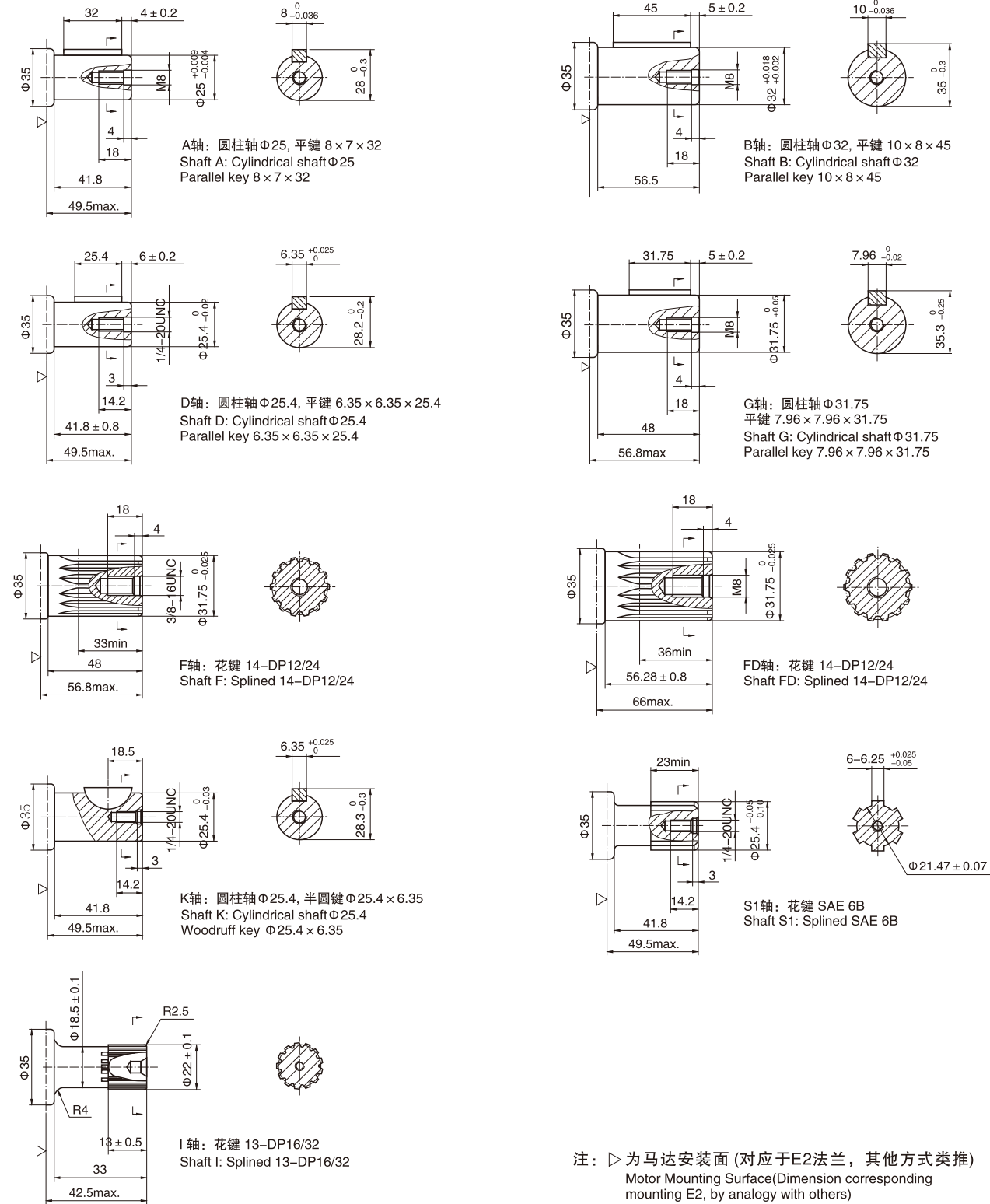
材料硬度: HRC 62±2
渗层深 0.7±0.2
Hardening Specification: HRC 62±2
Effective case depth 0.7±0.2

OMSY 安装连接尺寸/ OMSY Installation Dimensions



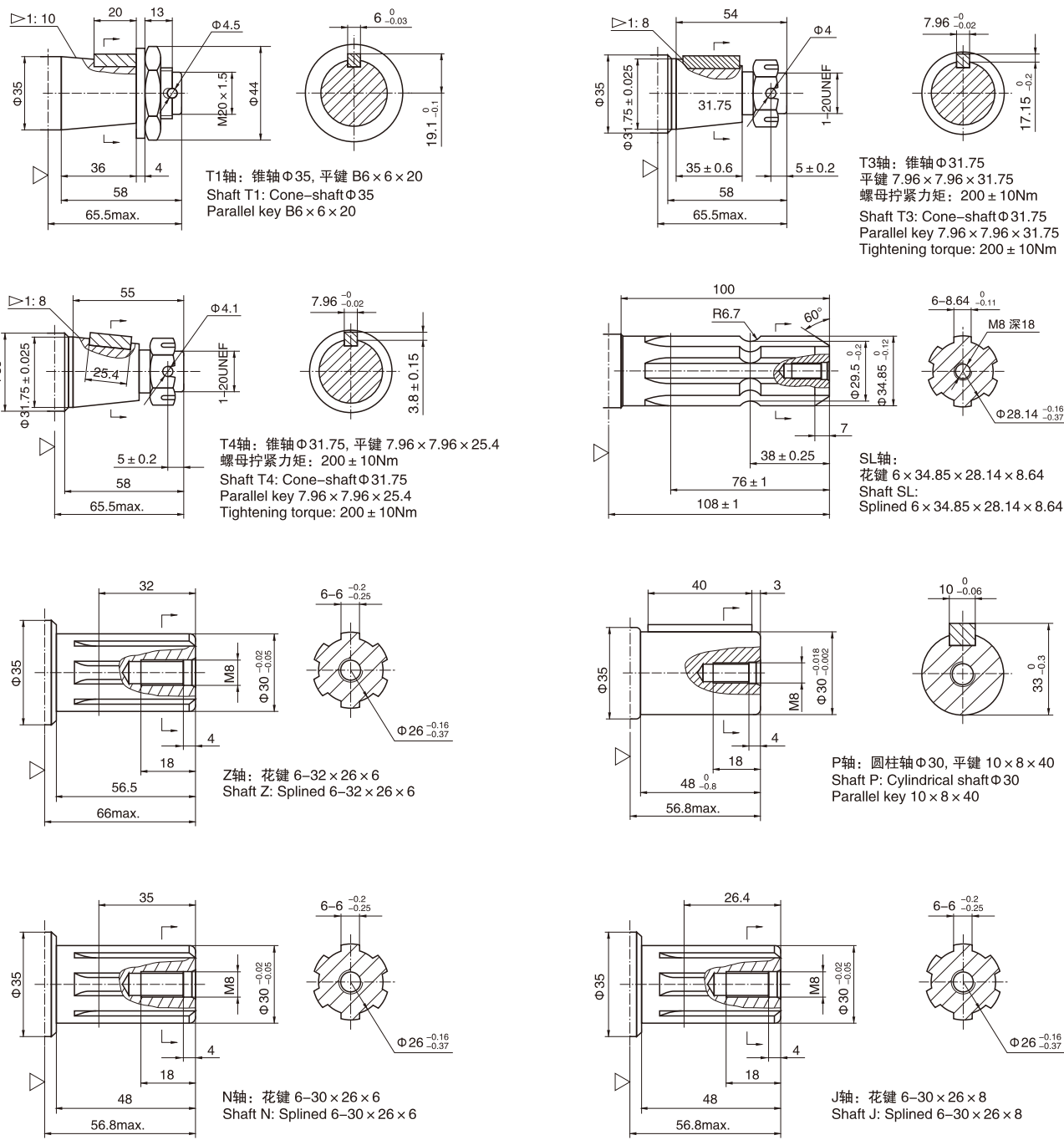
连接形式 Mounting	代号 Code	G2(深) (depth)	M3(深) (depth)	S1(深) (depth)
P (A,B)		G1/2 (18)	M22×1.5 (18)	7/8-14 O-ring (18)
T		M10×1 (9)	M10×1 (9)	M10×1 (9)

OMSY 轴伸连接尺寸/ OMSY Output Shaft Dimensions



OMSY系列/ OMSY Serie

OMSY 轴伸连接尺寸/ OMSY Output Shaft Dimensions



注：▷ 马达安装面 (对应于E2法兰，其他方式类推)
其中SP法兰可配轴型T1、D、B、F、G
Motor Mounting Surface (Dimension corresponding mounting E2, by analogy with others)
Note: Mounting SP is the same with shaft mode T1、D、B、F and G.

OMSY系列/ OMSY Serie

订货信息/ Order Information

1	2	3	4	5	6	7	8
型号	排量	法兰、止口	轴伸	油口、外泄口	旋向工况	油漆选项	特殊功能
OMSY	80 100 125 160 200 250 315 400 475	E2	2-Φ13.5菱法兰Φ106.4, 止口Φ82.5×6.3	D G1/2 板式2-M10, G1/4 M M22×1.5 板式2-M10, M14×1.5 S 7/8-14 UNF O-ring 板式2-3/8-16, 7/16-20UNF P 1/2-14 NPTF 板式2-3/8-16, 7/16-20UNF	无	00 不油漆 无 蓝漆 B 黑漆 S 银灰漆	常规 自由转动 低转速
		E4	4-Φ13.5菱法兰Φ106.4, 止口Φ82.5×6.3				
		F6	6-Φ13.5菱法兰Φ106.4, 止口Φ82.5×2.6				
		W	4-Φ13.5车轮法兰Φ160, 止口Φ125×8				
		E2B	2-Φ14.3菱法兰Φ146.05, 止口Φ101.6×9.4				
		SP	4-Φ11.5正法兰Φ106.4, 止口Φ82.5×6.3				
		E6	4-Φ13.5菱法兰Φ106.4, 止口Φ82.5×6.3				
		D	4-Φ11圆法兰Φ125, 止口Φ100×6				
		E	4-Φ13.5方法法兰Φ127, 止口Φ101.6×6.3				
			无				
S							

注：用户在使用订货信息时，将马达结构、排量、安装法兰、轴伸、进出油口等信息，选择左面作色部位的代号按上面格式写给我们即可。其中SP配的轴型为T1、D、B、F、G，WE法兰配的轴型为T4、B、FE、G有特殊代码，需提供方案图。若所选规格不在上述表中或特殊要求，请与我们联系。

1	2	3	4	5	6	7	8
Type	Displace ment	Flange	Output shaft	Ports and drain port	Rotation direction	Paint	Unusually function
OMSY	80 100 125 160 200 250 315 400 475	E2	2-Φ13.5 Rhomb-flangeΦ106.4, pilotΦ82.5×6.3	D G1/2 Manifold Mount 2-M10, G1/4 M M22×1.5 Manifold Mount 2-M10, M14×1.5 S 7/8-14UNF O-ring manifold 2-3/8-16, 7/16-20UNF P 1/2-14NPTF manifold 2-3/8-16UNC, 7/16-20UNF	Omit Standard R Opposite	00 No paint Omit Blue B Black S Silver grey	Omit Standard F Free Running LS Low Speed
		E4	4-Φ13.5 Rhomb-flangeΦ106.4, pilotΦ82.5×6.3				
		F6	6-Φ13.5 Rhomb-flangeΦ106.4, pilotΦ82.5×2.6				
		W	4-Φ13.5 Wheel-flangeΦ160, pilotΦ125×8				
		E2B	2-Φ14.3 Rhomb-flangeΦ146.05, pilotΦ101.6×9.4				
		SP	4-Φ11.5 Square-flangeΦ106.4, pilotΦ82.5×6.3				
		D	4-Φ11 Circle-flangeΦ125, pilotΦ100×6				
		E	4-Φ13.5Circle-flangeΦ127, pilotΦ101.6×6.3				
			Omit				
			Short shaft 12-DP12/24				
S							

Note: When the table is used, please fill the code of left rows in the table and give us, which the code information is consists of construction, displacement, mounting flange, output shaft and ports. The informations of mounting flange, output shaft and fronts are the same as OMSY series. The SP flange afflies to shafts of T1、D、B、F、G. If the specification is not in the table or you have specific requirements, please contact us.

订货信息/ Order Information

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OMSY — — — — — — — —								
Type	Displace ment	Flange	Output shaft	Ports and drain port		Rotation direction	Paint	Unusually function
OMSY	80	E2 2-Φ13.5 Rhomb-flange Φ 106.4, pilot Φ82.5 × 6.3 E4 4-Φ13.5 Rhomb-flange Φ 106.4, pilot Φ82.5 × 6.3 E6 6-Φ13.5 Rhomb-flange Φ 106.4, pilot Φ82.5 × 2.6 E2B 2-Φ14.3 Rhomb-flange Φ 146.05, pilot Φ 101.6 × 9.4 WE 4-Φ 13.6 Wheel-flange Φ 147.6, pilot Φ 107.95 × 6.4	A Shaft Φ 25, parallel key 8 × 7 × 32	EE-D G1/2, G1/4	Omit Standard R Opposite	00 No paint Omit Blue B Black S Silver grey	Omit F Free Running LS Low Speed	
	100		B Shaft Φ 32, parallel key 10 × 8 × 45	EE-M 2M22 × 1.5, M14 × 1.5				
	125		K Shaft Φ 25.4, Woodruff key ϕ 25.4 × 6.35	EE-S2 7/8-14UNF O-ring, 7/16-20 UNF				
	160		G Shaft Φ 31.75, parallel key 7.96 × 7.96 × 31.75	ED 1-1/16-12UN O-ring, 7/16-20 UNF				
	200		F Shaft Φ 31.75, splined key 14-DP12/24	DB G1/2, G1/4				
	250		FE Shaft Φ 31.75, splined key 14-DP12/24	DU G1/2, 7/16-20 UNF				
	315		T4 Cone-shaft Φ 31.75, parallel key 7.96 × 7.96 × 25.4	SB 7/8-14UNF O-ring, G1/4				
	400		S1 Shaft Φ 25.4, splined key SAE 6B	SU 7/8-14UNF O-ring, 7/16-20 UNF				
	475		I Shaft Φ 22, splined key 13-DP16/32	M4 M22 × 1.5, M14 × 1.5				
								MU 1/2", 5/8"Crosshole Manifold 3 × 3/8-16UNC, 7/16-20UNF

Note: When the table is used, please fill the code of left rows in the table and give us, which the code information is consists of construction, displacement, mounting flange, output shaft and ports. The informations of mounting flange, output shaft and fronts are the same as OMS series. The SP flange afflies to shafts of T1、D、B、F、G. If the specification is not in the table or you have specific requirements, please contact us.



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OMT系列/ OMT Serie

产品特点/ Product features

OMT系列摆线液压马达是一种先进的端面配流结构液压马达，该马达使用镶柱式转定子付，具有工作压力高，工作效率高，整机高效保持性好，工作寿命长的特点。可在标准结构的基础上根据用户需求进行多功能的变型设计。

- 其特点：
- 1、采用先进的转定子参数设计，启动压力低，效率高并保持性好；
 - 2、工作压力高，输出扭矩大。采用圆锥滚子轴承结构，承受轴、径向负荷能力强，使马达可直接驱动工作机构，使用范围扩大；
 - 3、先进端面配流结构，使马达配流精度高，磨损后自动补偿功能强，确保高的容积效率、马达长寿命，确保马达转速平稳、负载速度特性平稳；

OMT series motor adapt the advanced Geroler gear set design with disc distribution flow and high pressure. The unit can be supplied the individual variant in operating multifunction in accordance with requirement of applications.

- Characteristic features:
- 1、Advanced manufacturing devices for the Geroler gear set, which use low pressure of start-up, provide smooth and reliable operation and high efficiency.
 - 2、The output shaft adapts in tapered roller bearings that permit high axial and radial forces. Can offer capacities of high pressure and high torque in the wide of applications.
 - 3、Advanced design in disc distribution flow, which can automatically compensate in operating with high volume efficiency and long life, provide smooth and reliable operation.

技术参数/ Technical data

型号 Type		OMT OMTS OMTE OMTJ OMTZ 160	OMT OMTS OMTE OMTJ OMTZ 200	OMT OMTS OMTE OMTJ OMTZ 230	OMT OMTS OMTE OMTJ OMTZ 250	OMT OMTS OMTE OMTJ OMTZ 315	OMT OMTS OMTE OMTJ OMTZ 400	OMT OMTS OMTE OMTJ OMTZ 500	OMT OMTS OMTE OMTJ OMTZ 630	OMT OMTS OMTE OMTJ OMTZ 800
排量 (cm³/rev.) Geometric displacement		161.1	201.4	232.5	251.8	326.3	410.9	523.6	629.1	801.8
最高转速 (rpm) Max. speed	额定 rated	470	475	412	381	294	228	183	150	121
	连续 cont.	625	625	536	500	380	305	240	196	154
	断续 int.	780	750	643	600	460	365	285	233	185
最大扭矩 (N.m) Max. torque	额定 rated	379	471	530	582	758	896	1063	1156	1207
	连续 cont.	470	590	670	730	950	1080	1220	1318	1464
	断续 int.	560	710	821	880	1140	1260	1370	1498	1520
	峰值 peak	669	838	958	1036	1346.3	1450.3	1643.8	1618.8	1665
最大输出功率 (kw) Max. output	额定 rated	18.7	23.4	23.2	23.2	23.3	21.4	20.4	18.2	15.3
	连续 cont.	27.7	34.9	34.7	34.5	34.9	31.2	28.8	25.3	22.2
	断续 int.	32	40	40	40	40	35	35	27.5	26.8
最高工作压力 Max. pressure drop (MPa)	额定 rated	16	16	16	16	16	15	14	12	10.5
	连续 cont.	20	20	20	20	20	18	16	14	12.5
	断续 int.	24	24	24	24	24	21	18	16	13
	峰值 peak	28	28	28	28	28	24	21	19	16
最大流量 (L/min) Max. flow	额定 rated	80	100	100	100	100	100	100	100	100
	连续 cont.	100	125	125	125	125	125	125	125	125
	断续 int.	125	150	150	150	150	150	150	150	150
最高进油压力 Max. inlet pressure (MPa)	额定 rated	21	21	21	21	21	21	21	21	21
	连续 cont.	21	21	21	21	21	21	21	21	21
	断续 int.	25	25	25	25	25	25	25	25	25
	峰值 peak	30	30	30	30	30	30	30	30	30
重量 Weight (kg)		19.5	20	20.4	20.5	21	22	23	24	25

* 额定转速、扭矩是指在额定流量、压力下的输出值。

* 连续值是指该排量马达可以连续工作的最大值。

* 断续值是指该排量马达在1分钟内工作6秒的最大值。

* 峰值是指该排量马达在1分钟内工作0.6秒的最大值。

* Rated speed and rated torque: output value of speed and torque under rated flow and rated pressure;

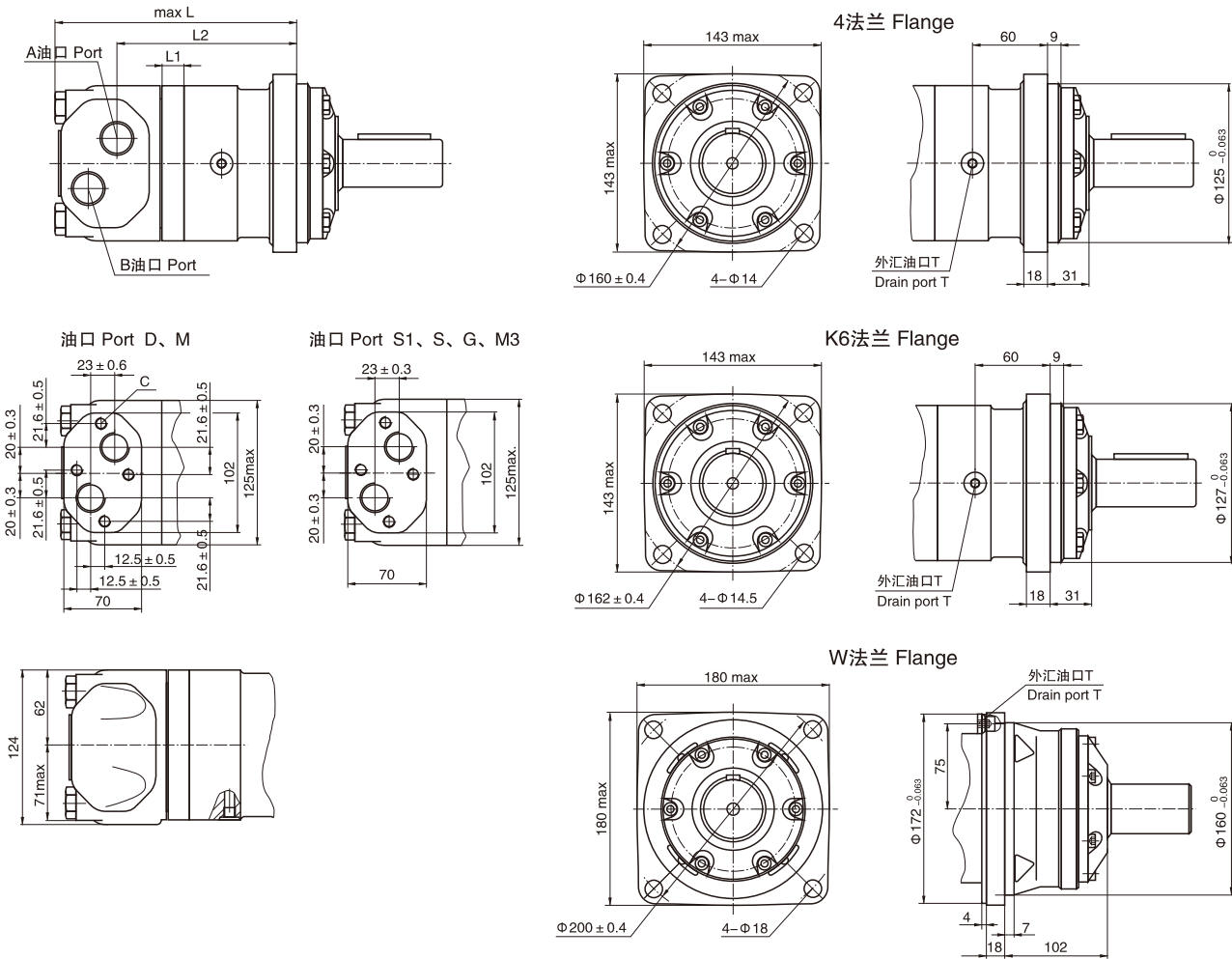
* Continuous pressure: Max.value of operating motor continuously;

* Intermittent prssure: Max.value of operating motor in 6 seconds per minute;

* Peak pressure: Max.value of operating motor in 0.6 second per minute.

OMT系列/ OMT Serie

OMT 安装连接尺寸/ OMT Installation Dimensions



型号 Type	L	L1	L2
OMT160	193	17	142.5
OMT200	197	21	146.5
OMT250	204	14	152.5
OMT315	210	20	158.5
OMT400	217	27	165.5
OMT500	225	35	173.5
OMT630	237	47	185.5
OMT800	248	58	196.5

型号 Type	L	L1	L2
OMTW160	127	17	77
OMTW200	131	21	81
OMTW250	136	14	86
OMTW315	142	20	91
OMTW400	148	27	98
OMTW500	157	35	106
OMTW630	169	47	118
OMTW800	180	58	129

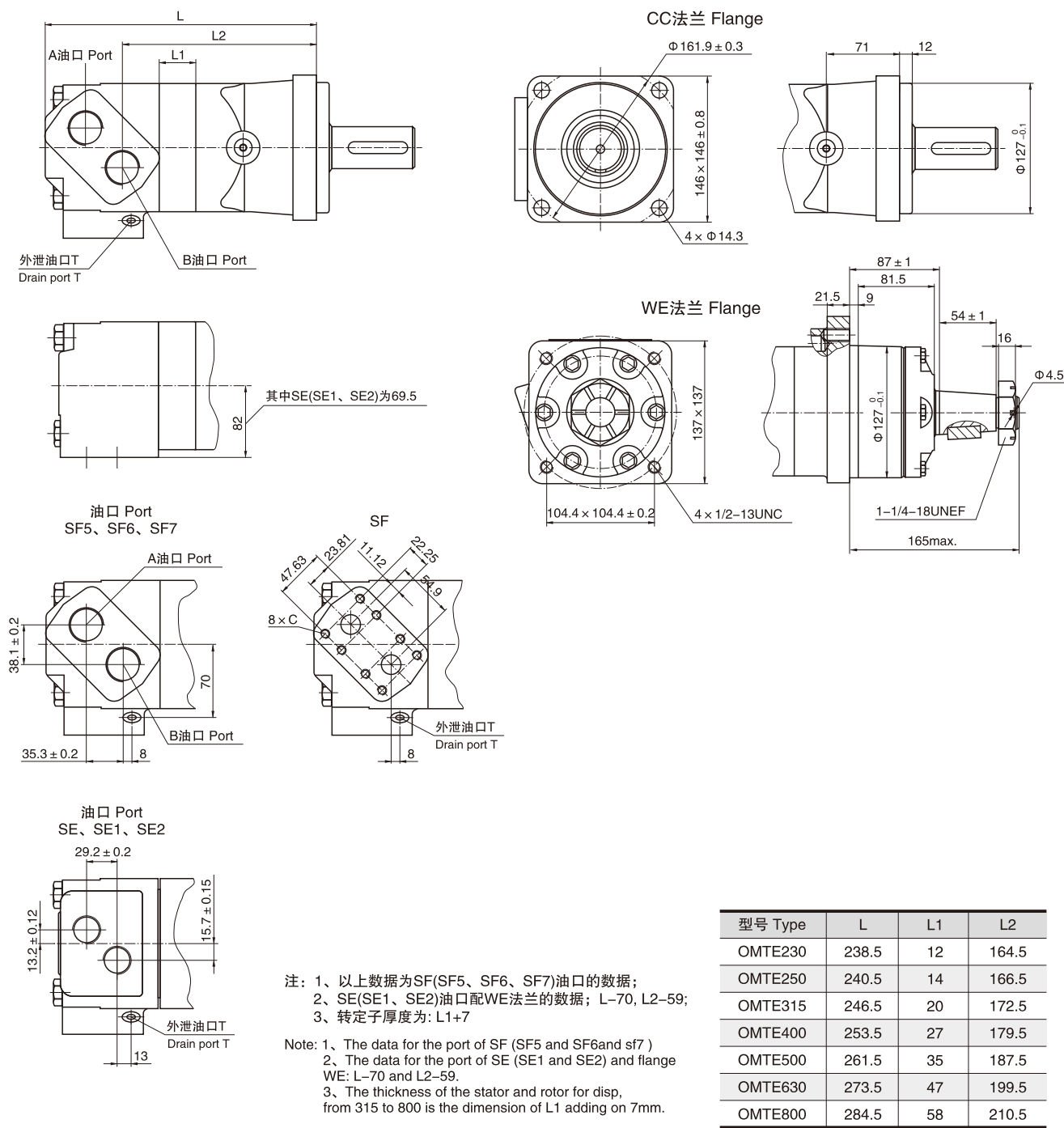
连接形式 Mounting	代号 Code	D(深) (depth)	M(深) (depth)	S(深) (depth)	G(深) (depth)	M3(深) (depth)	S1(深) (depth)
P (A,B)		G3/4 (18)	M27 × 2(18)	1-1/16-12UNC(18)	G3/4 (18)	M27 × 2(18)	1-1/16-12UNC(18)
T		G1/4 (12)	M14 × 1.5(12)	9/16-18UNF (12)	G1/4 (12)	M14 × 1.5(12)	7/16-20UNF (12)
C		4-M10(10)	4-M10(10)	-	-	-	-

注： 1、转定子厚度为： L1+3 (排量160-200)
2、转定子厚度为： L1+7 (排量250-800)

Note: 1、 The thickness of the stator and rotor for disp. from 160 to 200 is the dimension of L1 adding on 3mm.
2、 The thickness of the stator and rotor for disp. from 250 to 800 is the dimension of L1 adding on 7mm.

OMT系列/ OMT Serie

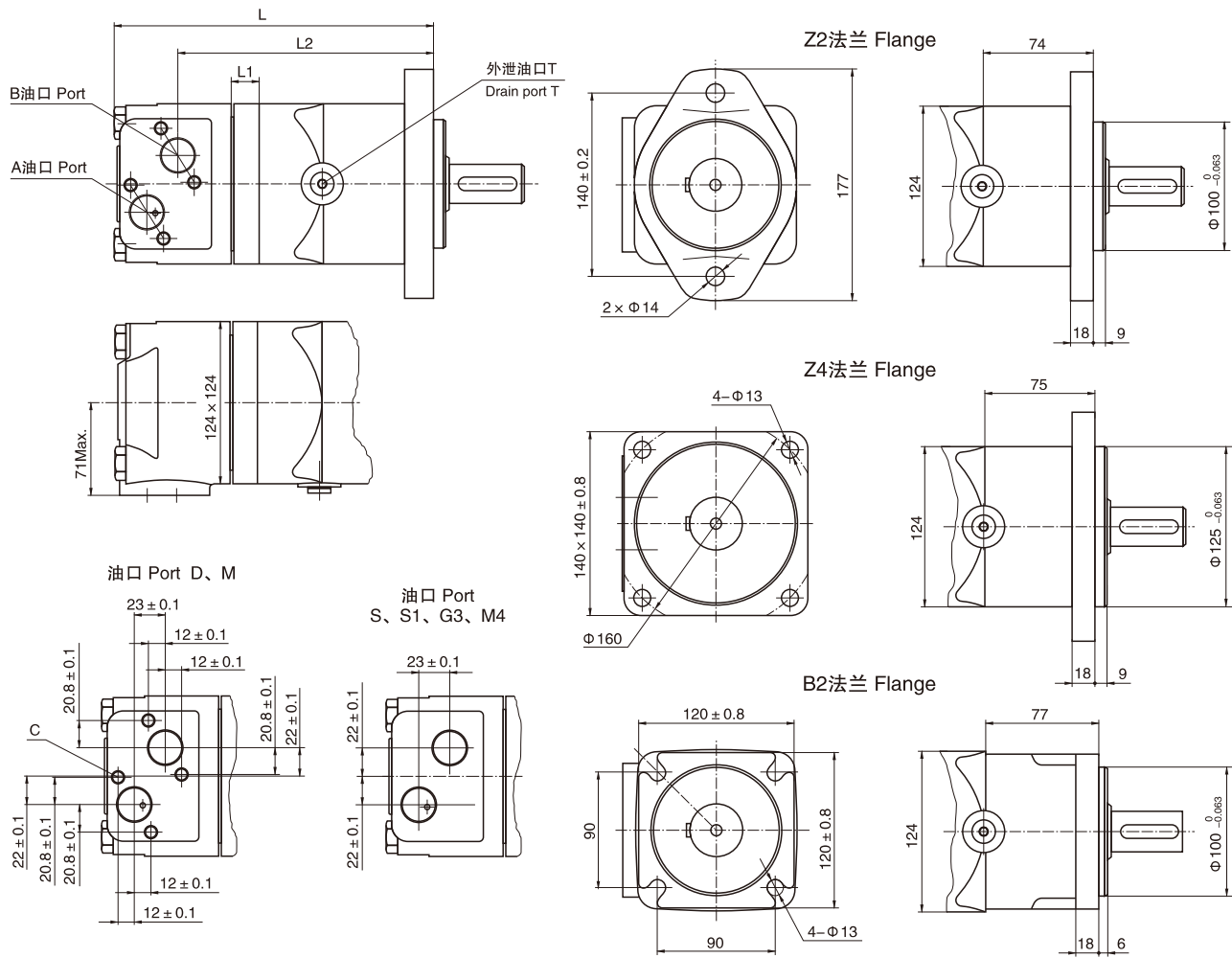
OMTE 安装连接尺寸/ OMTE Installation Dimensions



连接形式 Mounting	代号 Code	SF5(深) (depth)	SF6(深) (depth)	SF7(深) (depth)	SF(深) (depth)	SE(深) (depth)	SE1(深) (depth)	SE2(深) (depth)
P (A,B)		1-5/16-12UN(18)	M33×2(18)	G1 (18)	3/4"(18)	1-1/16-12UN(18)	1-1/16-12UN(18)	G3/4 (18)
T		7/16-20UNF (12)	M14×1.5(12)	G1/4 (12)	7/16-20UNF (12)	9/16-18UNF (12)	7/16-20UNF (12)	G1/4 (12)
C		-	-	-	8×3/8-16UNC	-	-	-

OMT系列/ OMT Serie

OMTZ 安装连接尺寸/ OMTZ Installation Dimensions

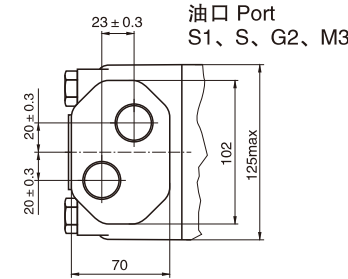
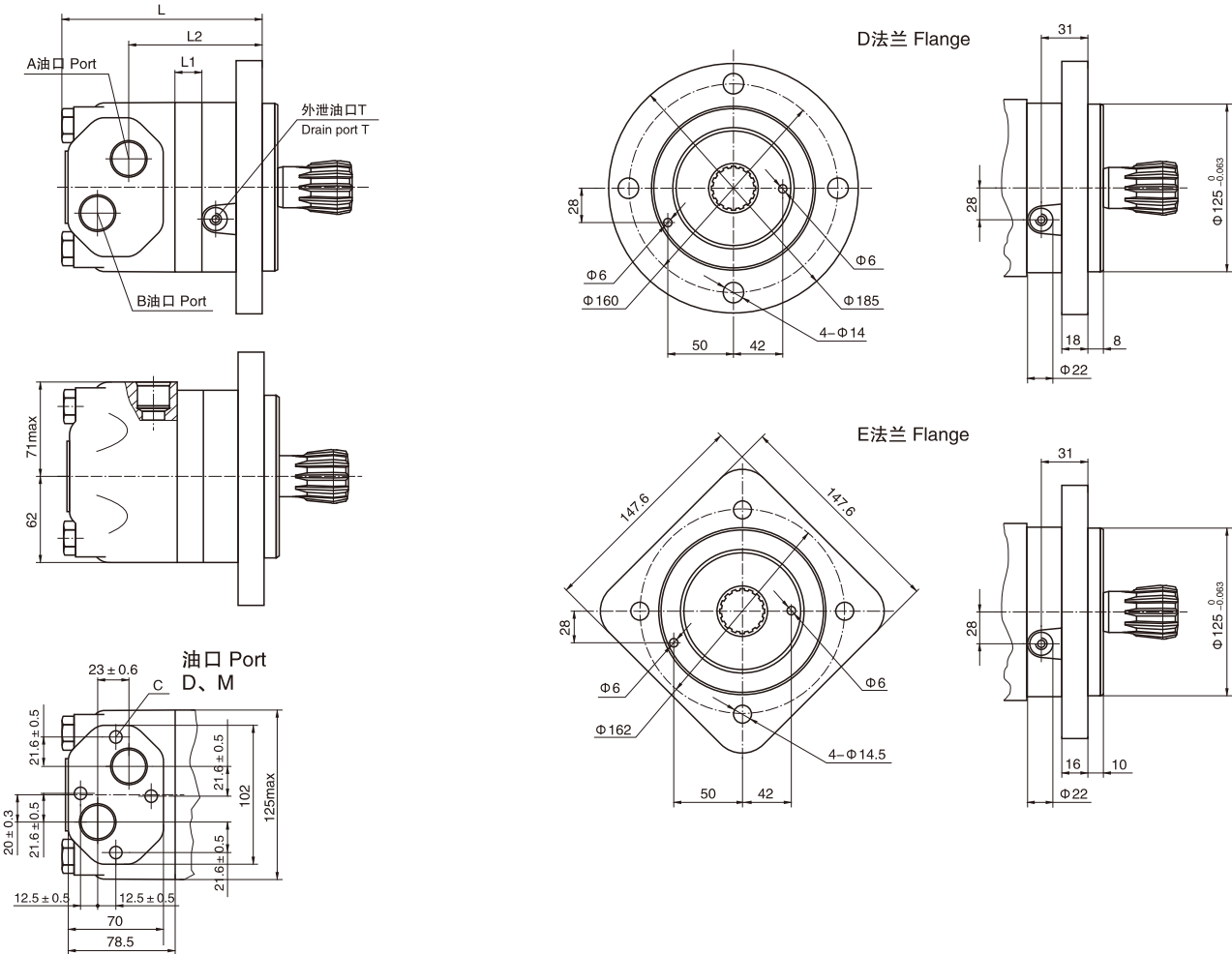


型号 Type	L	L1	L2
OMTZ160	203	17	152
OMTZ200	207	21	156
OMTZ230	21.5	12	174.5
OMTZ250	223.5	14	176.5
OMTZ315	229.5	20	182.5
OMTZ400	236.5	27	189.5
OMTZ500	244.5	35	197.5
OMTZ630	256.5	47	209.5
OMTZ800	267.5	58	220.5

连接形式 Mounting	代号 Code	D(深) (depth)	M(深) (depth)	S(深) (depth)	S1(深) (depth)	M4(深) (depth)	G3(深) (depth)
P (A,B)		G3/4 (18)	M27×2(18)	1-1/16-12UN(18)	1-1/16-12UN(18)	M27×2(18)	G3/4 (18)
T		G1/4 (12)	M14×1.5(12)	9/16-18UNF (12)	7/16-20UNF (12)	M10×1(12)	M10×1(12)
C		4-M10 (10)	4-M10 (10)	-	-	-	-

OMT系列/ OMT Serie

OMTS 安装连接尺寸/ OMTS Installation Dimensions



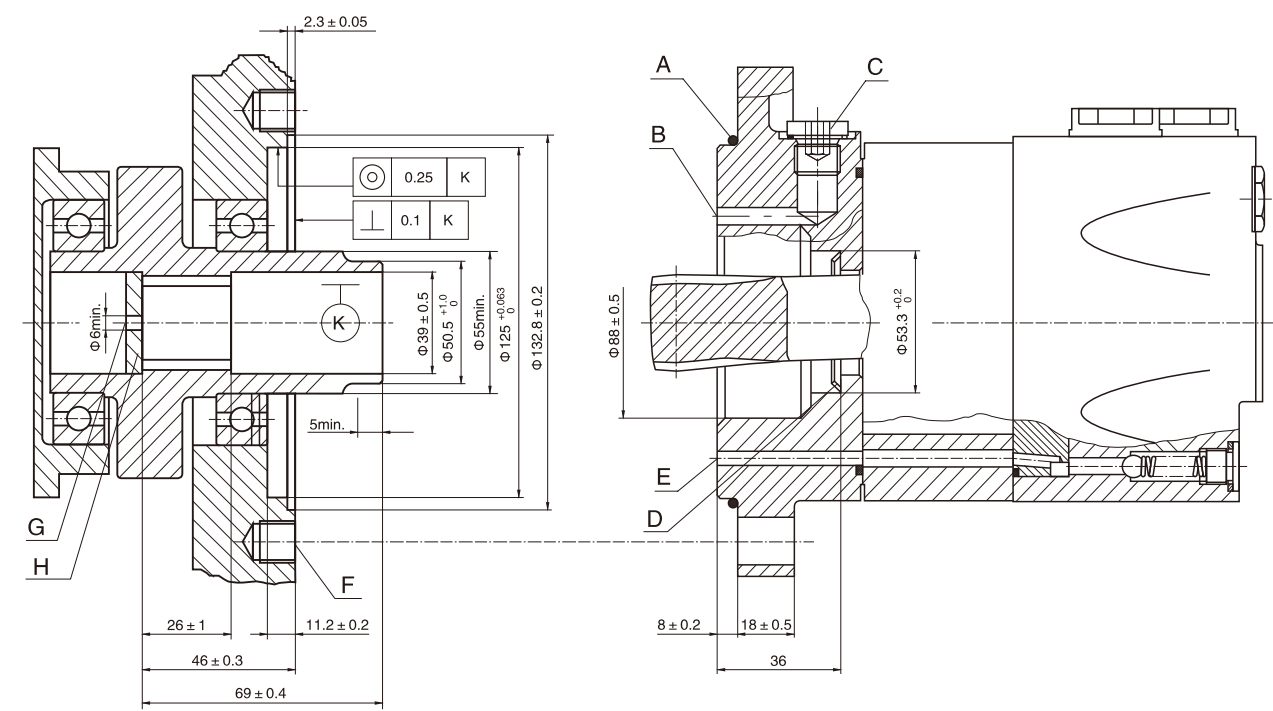
注：1、转定子厚度为：L1+3（排量160-200）
2、转定子厚度为：L1+7（排量315-800）
Note:
1、The thickness of the stator and rotor for disp. from 160 to 200 is the dimension of L1 adding on 3mm.
2、The thickness of the stator and rotor for disp. from 315 to 800 is the dimension of L1 adding on 7mm.

连接形式 Mounting	代号 Code	D(深) (depth)	M(深) (depth)	S(深) (depth)	G(深) (depth)	M3(深) (depth)	S1(深) (depth)
P (A,B)		G3/4 (18)	M27 × 2(18)	1-1/16-12UN(18)	G3/4 (18)	M27 × 2(18)	1-1/16-12UN(18)
T		G1/4 (12)	M14 × 1.5(12)	9/16-18UNF (12)	G1/4 (12)	M14 × 1.5(12)	7/16-20UNF (12)
C		4-M10 (10)	4-M10 (10)	-	-	-	-

型号 Type	L	L1	L2
OMTS160	148	17	96.5
OMTS200	152	21	100.5
OMTS250	157	14	109
OMTS315	163	20	115
OMTS400	170	27	122
OMTS500	178	35	130
OMTS630	190	47	142
OMTS800	201	58	153

OMT系列/ OMT Serie

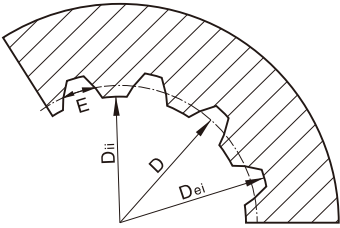
OMTS 安装连接尺寸/ OMTS Installation Dimensions



- A: O形圈 125 × 3
B: 外泄油通道
C: 泄油口连接深12mm
D: 锥形密封圈
E: 内泄油通道
F: 18mm深
G: 回油孔
H: 硬化挡板
- A: O-ring: 125 × 3
B: External drain channel
C: Drain connection G 1/4; 12 mm deep
D: Conical seal ring
E: Internal drain channel
F: M10; min. 18mm deep
G: Oil circulation hole
H: Hardened stop plate

用户花键孔参数表
Internal spline data for the attached component

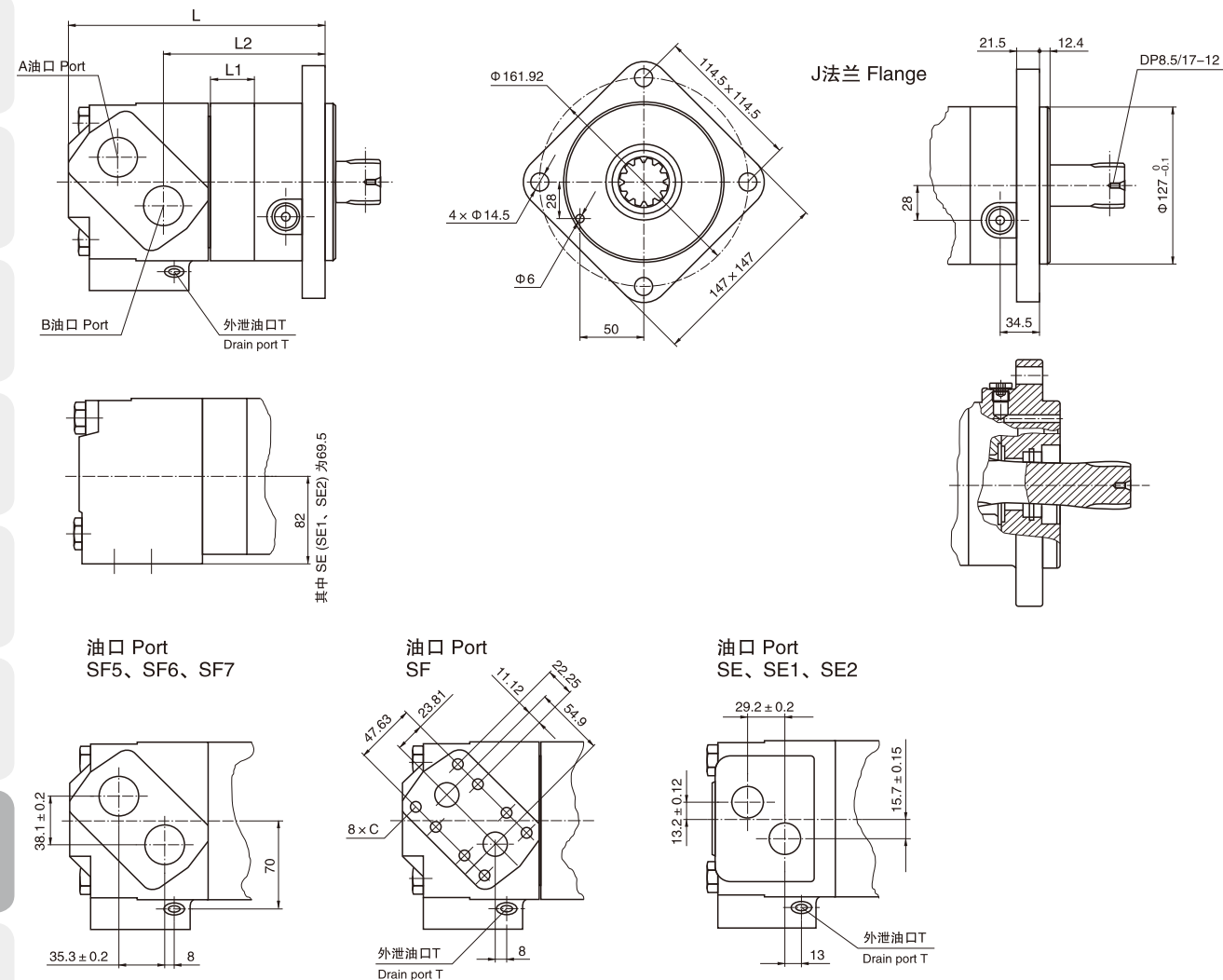
齿侧配合 Fillet Root Side Fit		mm
齿数 Number of Teeth	Z	16
径节 Diametral Pitch	DP	12/24
压力角 Pressure Angle	α _D	30°
分度圆 Pitch Dia.	D	Φ 33.8656
大径 Major Dia.	D _{ei}	Φ 38.4 ^{+0.25} ₀
小径 Minor Dia.	D _{ii}	Φ 32.15 ^{+0.04} ₀
齿槽宽 Space Width [Circular]	E	4.516 ± 0.037



材料硬度：HRC 61 ± 2
渗层深 0.7 ± 0.2
Hardening Specification: HRC 61 ± 2
Effective case depth 0.7 ± 0.2

OMT系列/ OMT Serie

OMTJ 安装连接尺寸/ OMTJ Installation Dimensions



型号 Type	L	L1	L2
OMTJ230	176	12	104.5
OMTJ250	178	14	106.5
OMTJ315	184	20	112.5
OMTJ400	191	27	119.5
OMTJ500	199	35	127.5
OMTJ630	211	47	139.5
OMTJ800	222	58	150.5

注:

- 1、以上数据为SF (SF5、SF6、SF7) 油口的数据;
- 2、SE (SE1、SE2) 油口配WE法兰的数据: L-70, L2-59;
- 3、转定子厚度为: L1+7;

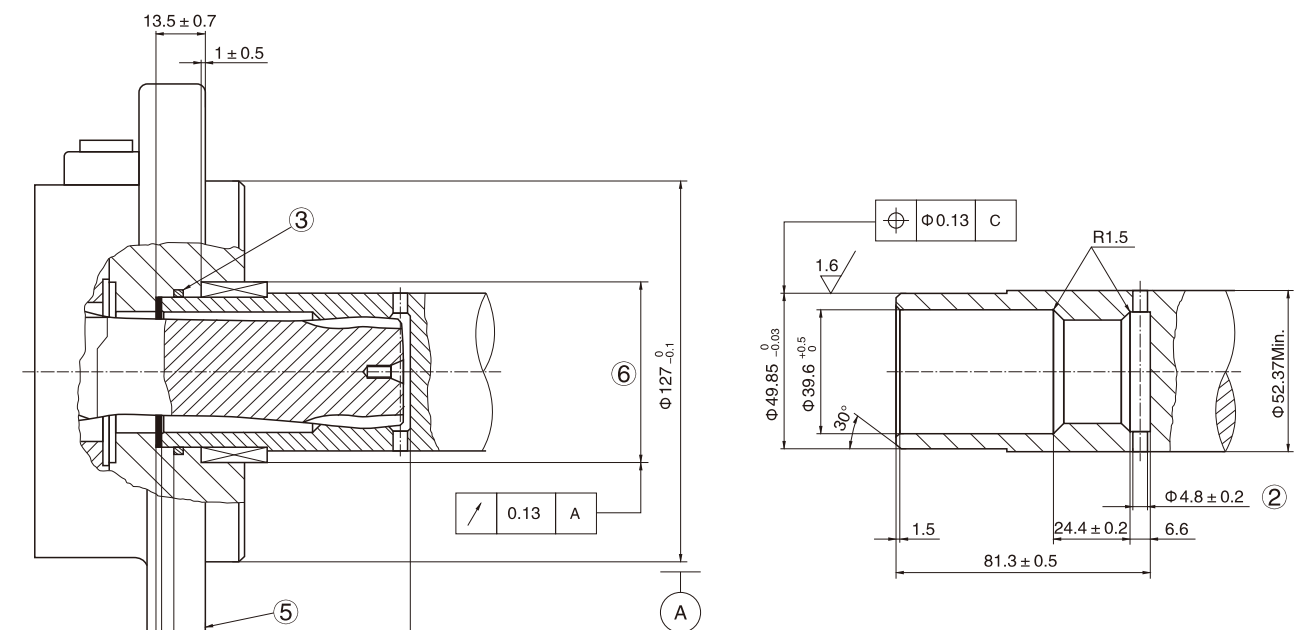
Note:

- 1、The data for the port of SF (SF5 and SF6 andSF7).
- 2、The data for the port of SE (SE1 and SE2) and flange WE: L-70 and L2-59.
- 3、The thickness of the stator and rotor is the dimension of L1 adding on 7mm.

连接形式 Mounting	代号 Code	SF5(深) (depth)	SF6(深) (depth)	SF7(深) (depth)	SF(深) (depth)	SE(深) (depth)	SE1(深) (depth)	SE2(深) (depth)
P (A,B)		1-5/16-12UN(18)	M33 x 2(18)	G1 (18)	3/4" (18)	1-1/16-12UN(18)	1-1/16-12UN(18)	G3/4 (18)
T		7/16-20UNF (12)	M14 x 1.5(12)	G1/4 (12)	7/16-20UNF (12)	9/16-18UNF (12)	7/16-20UNF (12)	G1/4 (12)
C		-	-	-	8 x 3/8-16UNC	-	-	-

OMT系列/ OMT Serie

OMTJ 安装连接尺寸/ OMTJ Installation Dimensions

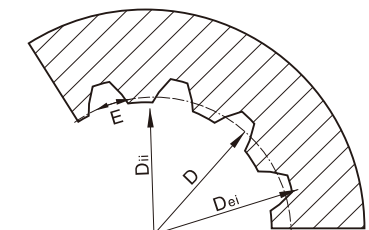


- 1、热处理后内花键参数应符合右图所列，材料可采用低碳合金钢渗碳淬火，硬度58-62HRC。
- 2、⑤壳体孔的尺寸符合铜套轴承外径60.51~60.079，内径50.01~50.038。
 - ① Internal spline in mating part to be as follows: Material to be ASTM A304, 8620H. Carborize to a hardness of 60-64HRC with case depth (to 50HRC) of 0.75-1 [.030-.040] (dimensions apply after heat treat).
 - ② Mating part to have critical dimensions as shown, Oil holes must be provided and open for proper oil circulation.
 - ③ Some means of maintaining clearance between shaft and mounting flange must be provided.
 - ④ Seal to be furnished with motor for proper oil circulation thru splines.
 - ⑤ Similar to SAE "C" Four Bolt Flange
 - ⑥ Counterbore designed to adapt to a standard sleeve bearing 50.010-50.038 [1.9689-1.9700] ID by 60.51-60.079 [2.3642-2.3653] O.D.(Oilite bronze sleeve bearing). C This surface to be diameter of output shaft.

用户花键孔参数表

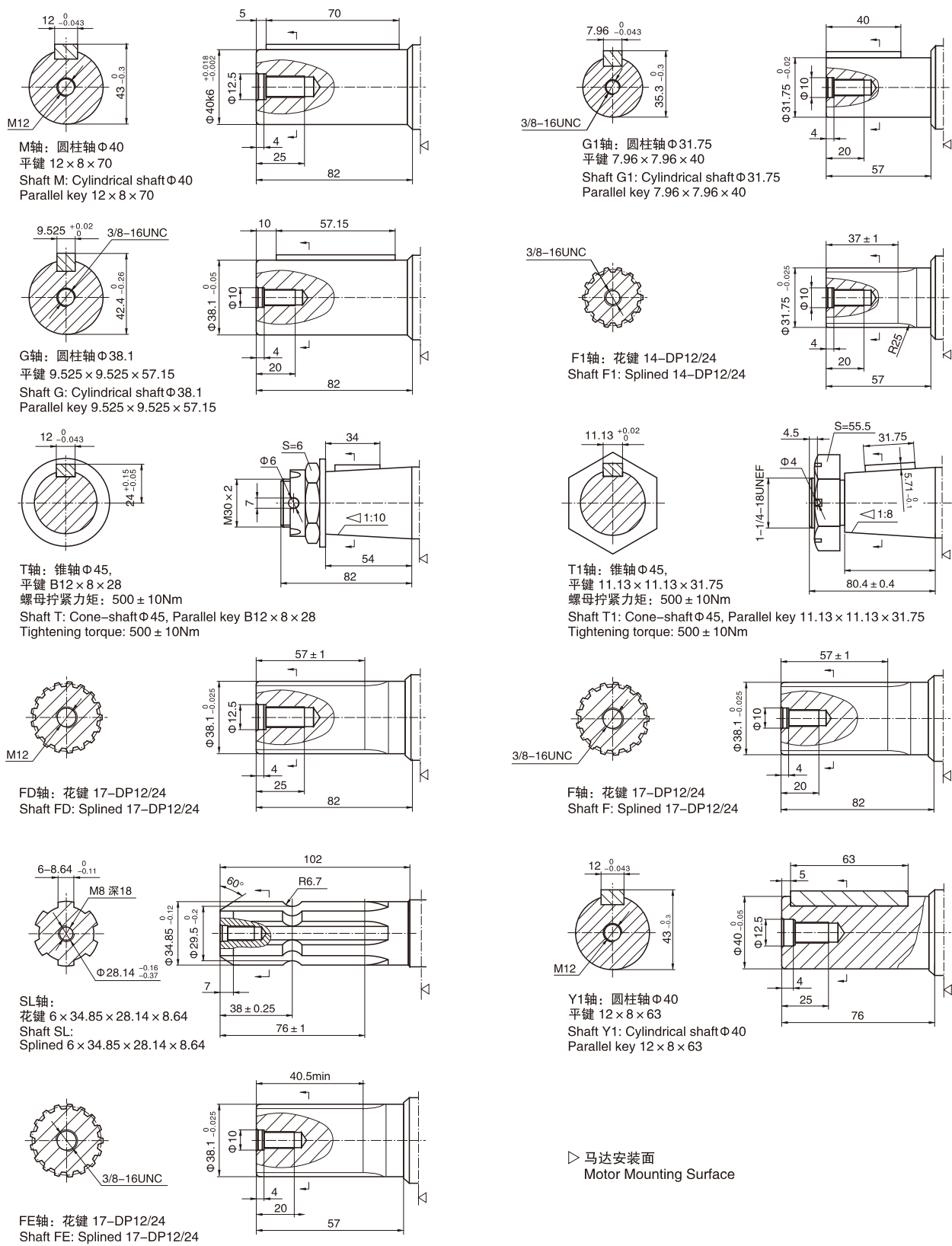
Internal spline data for the attached component

齿侧配合 Fillet Root Side Fit		mm
齿数 Number of Teeth	Z	12
径节 Diametral Pitch	DP	8.5/17
压力角 Pressure Angle	D	30°
分度圆 Pitch Dia.	α_D	$\Phi 35.858823$
大径 Major Dia.	D_{ei}	$\Phi 38.97^{+0.20}_0$
小径 Minor Dia.	D_{ii}	$\Phi 33.3^{+0.18}_0$
齿槽宽 Space Width [Circular]	E	5.866 ± 0.032
棒间距 Dimension between two pins ($\Phi 4$)	M_e	$26.929 - 27.084$



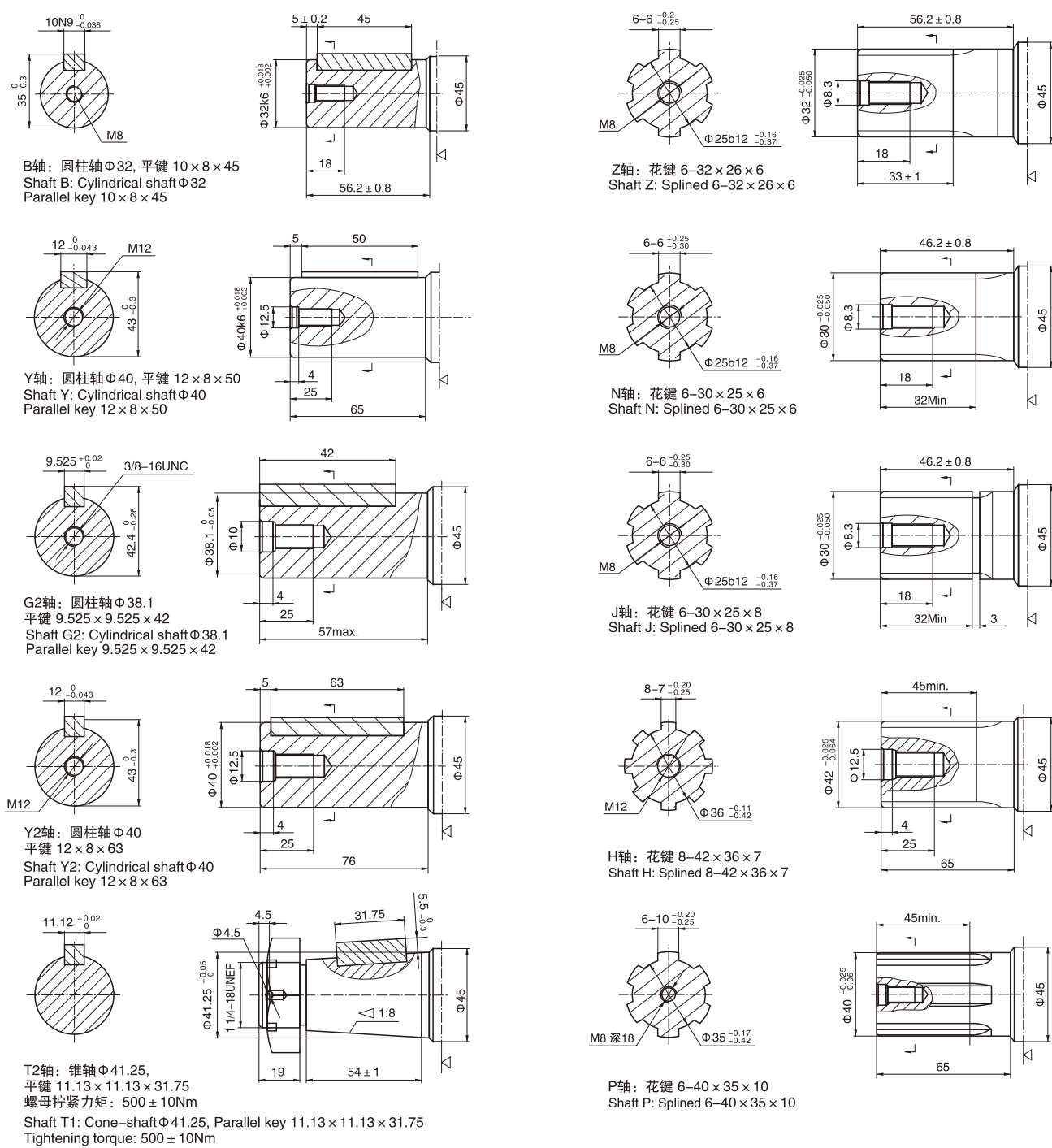
OMT系列/ OMT Serie

OMT (E、Z) 轴伸连接尺寸/ OMT (E、Z) Output Shaft Dimensions



OMT系列/ OMT Serie

OMT (E、Z) 轴伸连接尺寸/ OMT (E、Z) Output Shaft Dimensions



马达安装面
Motor Mounting Surface

订货信息/ Order Information

订货信息/ Order Information

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OMT、OMTS

1	2	3		4		5		6		7		8	
型号	排量	法兰、止口		轴 伸		油口、外泄口		旋向工况		油漆选项		特殊功能	
OMT	160	4 K6 W	4-Φ14 方法兰Φ160，止口Φ125×9 4-Φ14.5 方法兰Φ162，止口Φ127×9 4-Φ18 车轮法兰Φ200，止口Φ160×7	M	Φ40轴，平键12×8×70	D M S S1 G M3	G3/4板式 4-M10, G1/4 M27×2板式 4-M10, M14×1.5 1-1/16-12UN, 9/16-18UNF 1-1/16-12UN, 7/16-20UNF G3/4, G1/4 M27×2, M14×1.5	无	标准	00	不油漆	无	常规
	200			G	Φ38.1轴，平键9.52×9.52×57.15								
	250			F	Φ38.1轴，花键17-DP12/24								
	315			FD	Φ38.1轴，花键17-DP12/24								
	400			T	1: 10锥轴，Φ45轴，平键B12×8×28								
	500			T1	1: 8锥轴，Φ45轴，平键11.13×11.13×31.75								
	630			SL	Φ34.85轴，花键6-34.85×28.14×8.64								
OMTS	800	D E	4-Φ14圆法兰Φ160，止口Φ125×8 4-Φ14.5方法兰Φ162，止口Φ127×10	无	短轴16-DP12/24			R	反向	B	黑漆	F	自由转动

注：用户在使用订货信息时，将马达结构、排量、安装法兰、轴伸、进出口油口等信息，选择左面作色部位的代号按上面格式写给我们即可。若所选规格不在上述表中或特殊要求，请与我们联系。

1														2		3		4		5		6		7		8	
OMT、OMTS																											
1		2		3		4				5				6		7		8									
Type		Displacement		Flange		Output shaft				Ports and drain port				Rotation direction		Paint		Unusually function									
OMT		160 200 250 315 400 500 630 800	4	4-Φ14 Square-flangeΦ160, pilotΦ125×9	K6	4-Φ14.5Square-flangeΦ162, pilotΦ127×9	W	4-Φ18 Wheel-flangeΦ200, pilotΦ160×7	M	ShaftΦ40, parallel key 12×8×70				D	G3/4 Manifold Mount, 4-M10, G1/4	Omit	Standard	00	No paint	Omit							
									G	ShaftΦ38.1, parallel key 9.52×9.52×57.15																	
									F	ShaftΦ38.1, splined tooth 17-DP12/24																	
									FD	ShaftΦ38.1, splined tooth 17-DP12/24																	
									T	Cone-shaft 1:10Φ45, parallel key B12×8×28																	
									T1	Cone-shaft 1:8Φ45, parallel key11.13×11.13×31.75																	
OMTS									SL	ShaftΦ34.85, splined key 6-34.85×28.14×8.64				S	1-1/16-12UN O-ring, 9/16-18UNF	R	Opposite	Omit	B	Blue	F	Free Running					
									G1	ShaftΦ31.75, parallel key 7.96×7.96×40																	
									F1	ShaftΦ31.75, splined tooth 14-DP12/24																	
									Omit	Short shaft 16-DP12/24																	
									E	4-Φ14.5Square-flangeΦ162, pilotΦ127×10																	

Note: When the table is used, please fill the code of left rows in the table and give us, which the code information is consists of construction, displacement, mounting flange, output shaft and ports. If the specification is not in the table or you have specific requirements, please contact us .

订货信息/ Order Information

订货信息/ Order information

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OMTZ

1	2	3		4		5		6		7		8	
型号	排量	法兰、止口		轴 伸		油口、外泄口		旋向工况		油漆选项		特殊功能	
OMTZ	160	Z2 Z4 B2	2-Φ14 菱法兰Φ140，止口Φ100×9 4-Φ13 正方法兰Φ160，止口Φ125×8 4-Φ13 方法兰，止口Φ100×6	B Y Z N J H P P1	Φ32轴，平键10×8×45 Φ40轴，平键12×8×50 Φ32轴，花键6-32×26×6 Φ30轴，花键6-30×25×6 Φ30轴，花键6-30×25×8 Φ42轴，花键8-42×36×7 Φ40轴，花键8-40×35×10 Φ35轴，花键6-Φ35×29×10	D M S S1 G3 M4	G3/4板式4-M10, G1/4 M27×2板式4-M10, M14×1.5 1-1/16-12UN, 9/16-18UNF 1-1/16-12UN, 7/16-20UNF G3/4, M10×1 M27×2, M10×1	无 R	标准 反向	00 B S	不油漆 蓝漆 黑漆 银灰漆	无 F LS	常规 自由转动 低转速
	200												
	250												
	315												
	400												
	500												
	630												
	800												

注：用户在使用订货信息时，将马达结构、排量、安装法兰、轴伸、进出口油口等信息，选择左面作色部位的代号按上面格式写给我们即可。若所选规格不在上述表中或特殊要求，请与我们联系。

12345678 OMTZ- - - - - - - -															
1	2	3		4		5		6		7		8			
Type	Displacement	Flange		Output shaft		Ports and drain port		Rotation direction		Paint		Unusually function			
OMTZ	160	Z2	2-Φ14 Rhomb-flangeΦ140, pilotΦ100×9	B	ShaftΦ32, parallel key 10×8×45	D	G3/4 Manifold Mount 4-M10, G1/4	Omit	Standard	00	No paint	Omit	Standard		
	200			Y	ShaftΦ40, parallel key 12×8×50									M27×2 Manifold Mount 4-M10, M14×1.5	
	250			Z	ShaftΦ32, splined tooth 6-32×26×6										
	315	Z4	4-Φ13 Square-flangeΦ160, pilotΦ125×8	N	ShaftΦ30, splined tooth 6-30×25×6		S		1-1/16-12UN, 9/16-18UNF	Opposite	B		Blue		F
	400			J	ShaftΦ30, splined tooth 6-30×25×6		S1		1-1/16-12UN, 7/16-20UNF						
	500			H	ShaftΦ42, splined tooth 8-42×36×7		G3		G3/4, M10×1						
	630	B2	4-Φ13 Square-flange, pilotΦ100×6	P	ShaftΦ40, splined tooth 8-40×35×10		M4		M27×2, M10×1	S	Silver grey		LS	Low Speed	
800	P1			ShaftΦ35, splined tooth 6-Φ35×29×10											

Note: When the table is used, please fill the code of left rows in the table and give us, which the code information is consists of construction, displacement, mounting flange, output shaft and ports. If the specification is not in the table or you have specific requirements, please contact us .

订货信息/ Order Information

1

OMTE、OMTJ

2345678

1	2	3	4	5	6	7	8	
型号	排量	法兰、止口	轴 伸	油 口、外泄口	旋向工况	油漆选项	特殊功能	
OMTE	230 250 315 400 500 630 800	CC 4-Φ14.3 方法兰Φ161.9, 止口Φ127×12	G2 Φ38.1轴, 平键9.52×9.52×42	SF 3/4板式" 8-3/8-16UN, 7/16-20UNF SF6 M33×2, M14×1.5 SF7 G1, G1/4 SE 1-1/16-12UN, 9/16-18UNF SE1 1-1/16-12UN, 7/16-20UNF SE2 G3/4, G1/4 SF5 1-5/16-12UN, 7/16-20UNF	无	00 不油漆	无	
			FE Φ38.1轴, 平键17-DP12/24			标准	蓝漆	F 自由转动
			Y1 Φ40轴, 平键12×8×63			R 反向	B 黑漆	LS 低转速
			Y2 Φ40轴, 平键12×8×63					
			T2 1: 8锥轴, Φ41.25轴, 平键11.13×11.13×31.75					
			H Φ42轴, 花键8-42×36×7					
P Φ40轴, 花键6-40×35×10								
OMTJ	WE 4-1/2-13UNC 车轮法兰Φ147.6, 止口Φ127×9	T3 1: 8锥轴, Φ41.25轴, 平键11.13×11.13×31.75						
		J 4-Φ14.5方法兰Φ161.9, 止口Φ127×12.4	无					

注：用户在使用订货信息时，将马达结构、排量、安装法兰、轴伸、进出油口等信息，选择左面作色部位的代号按上面格式写给我们即可。若所选规格不在上述表中或特殊要求，请与我们联系。

1

OMTE、OMTJ

2345678

1	2	3	4	5	6	7	8
Type	Displace ment	Flange	Output shaft	Ports and drain port	Rotation direction	Paint	Unusually function
OMTE	230 250 315 400 500 630 800	CC 4-Φ14.3 Square-flange Φ161.9, pilotΦ127×12	G2 ShaftΦ38.1, parallel key 9.52×9.52×42 FE ShaftΦ38.1, parallel key 17-DP12/24 Y1 ShaftΦ40, parallel key 12×8×63 Y2 ShaftΦ40, parallel key 12×8×63 T2 Cone-shaft 1:8Φ41.25, parallel key 11.13×11.13×31.75 H ShaftΦ42, splined tooth 8-42×36×7 P ShaftΦ40, splined tooth 6-40×35×10	SF 3/4", Manifold Mount, 8-3/8-16UNC, 7/16-20UNF SF6 M33×2,M14×1.5 SF7 G1,G1/4 SE 1-1/16-12UN O-ring,9/16-18UNF SE1 1-1/16-12UN O-ring,7/16-20 UNF SE2 G3/4,G1/4 SF5 1-5/16-12UN O-ring,7/16-20 UNF	00 Standard R Opposite	No paint Blue Black Silver grey	Omit Standard F Free Running LS Low Speed
			T3 Cone-shaft 1:8 Φ41.25, parallel key 11.13 x 11.13 x 31.75				
		WE 4-1/2-13UNC Wheel flange Φ147.6, pilotΦ127×9					
		J 4-Φ14.5 Square-flange Φ161.9, pilotΦ127×12.4	Omit 12-DP8.5/17				
OMTJ							

Note: When the table is used, please fill the code of left rows in the table and give us, which the code information is consists of construction, displacement, mounting flange, output shaft and ports.
If the specification is not in the table or you have specific requirements, please contact us .



1、产品特点/ Product features	71
2、技术参数/ Technical data	71
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OMV 安装连接尺寸 OMV Installation Dimensions	72
OMVE 安装连接尺寸 OMVE Installation Dimensions	73
OMV 轴伸连接尺寸 OMV Output Shaft Dimensions	74
4、订货信息/ Order Information	75

产品特点/ Product features

OMV系列摆线液压马达是一种先进的端面配流结构液压马达，该马达使用镶柱式转定子付，具有工作压力高，工作效率高，整机高效保持性好，工作寿命长的特点。可在标准结构的基础上根据用户需求进行多功能的变型设计。

- 其特点：
- 1、采用先进的转定子参数设计，启动压力低，效率高并保持性好；
 - 2、工作压力高，输出扭矩大。采用圆锥滚子轴承结构，承受轴、径向负荷能力强，使马达可直接驱动工作机构，使用范围扩大；
 - 3、先进端面配流结构，使马达配流精度高，磨损后自动补偿功能强，确保高的容积效率、马达长寿命，确保马达转速平稳、负载速度特性平稳；

OMV series motor adapt the advanced Geroler gear set designed with disc distribution flow and high pressure. The unit can be supplied the individual variant in operating multifunction in accordance with requirement of applications.

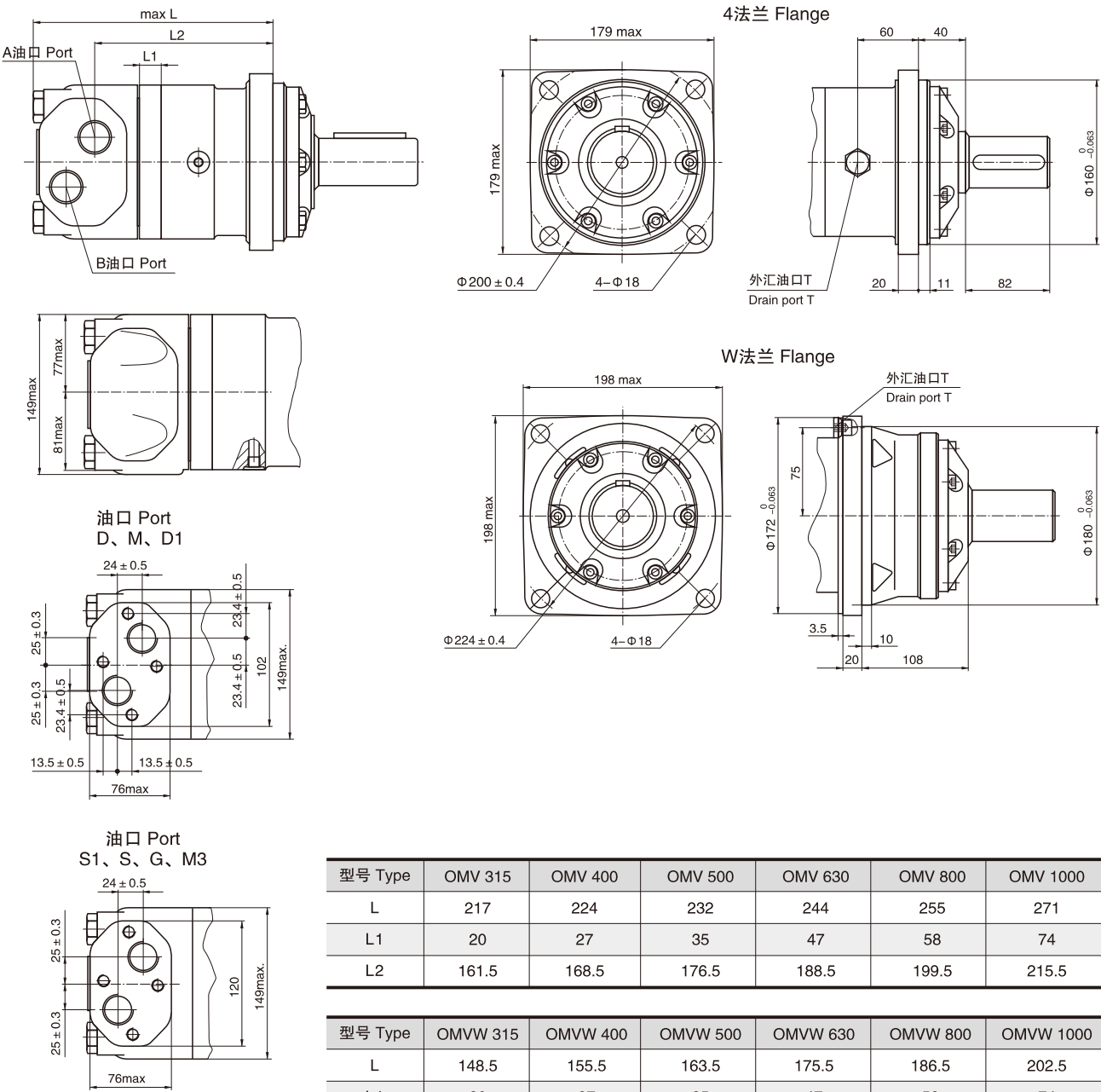
- Characteristic features:
- 1、Advanced manufacturing devices for the Geroler gear set, which use low pressure of startup, provide smooth and reliable operation and high efficiency.
 - 2、The output shaft adapts in tapered roller bearings that permit high axial and radial forces. The case can offer capacities of high pressure and high torque in the wide of applications.
 - 3、Advanced design in disc distribution flow, which can automatically compensate in operating with high volume efficiency and long life, provide smooth and reliable operation.

技术参数/ Technical data

型号 Type		OMV OMVE 315	OMV OMVE 400	OMV OMVE 500	OMV OMVE 630	OMV OMVE 800	OMV OMVE 1000
排量 (cm³/rev.) Geometric displacement		333	419	518	666	801	990
最高转速 (rpm) Max. speed	额定 rated	335	270	215	170	140	105
	连续 cont.	510	500	400	320	250	200
	断续 int.	630	600	480	380	300	240
最大扭矩 (N.m) Max. torque	额定 rated	730	1020	1210	1422	1590	2015
	连续 cont.	920	1180	1460	1660	1880	2015
	断续 int.	1110	1410	1760	1940	2110	2280
最大输出功率 (kw) Max. output	峰值 peak	1290	1640	2050	2210	2470	2400
	连续 cont.	38	47	47	40	33	28.6
	断续 int.	46	56	56	56	44	40
最高工作压力 Max. pressure drop (MPa)	额定 rated	16	16	16	16	14	14
	连续 cont.	20	20	20	18	16	14
	断续 int.	24	24	24	21	18	16
最大流量 (L/min) Max. flow	峰值 peak	28	28	28	24	21	18
	额定 rated	110	110	110	110	110	110
	连续 cont.	160	200	200	200	200	200
最高进油压力 Max. inlet pressure (MPa)	断续 int.	200	240	240	240	240	240
	额定 rated	21	21	21	21	21	21
	连续 cont.	21	21	21	21	21	21
重量 Weight (kg)	断续 int.	25	25	25	25	25	25
	峰值 peak	30	30	30	30	30	30
		31.8	32.6	33.5	34.9	36.5	38.6

* 额定转速、扭矩是指在额定流量、压力下的输出值。
* 连续值是指该排量马达可以连续工作的最大值。
* 断续值是指该排量马达在1分钟内工作6秒的最大值。
* 峰值是指该排量马达在1分钟内工作0.6秒的最大值。
* Rated speed and rated torque: output value of speed and torque under rated flow and rated pressure;
* Continuous pressure: Max.value of operating motor continuously;
* Intermittent prssure: Max.value of operating motor in 6 seconds per minute;
* Peak pressure: Max.value of operating motor in 0.6 second per minute.

OMV 安装连接尺寸/ OMV Installation Dimensions



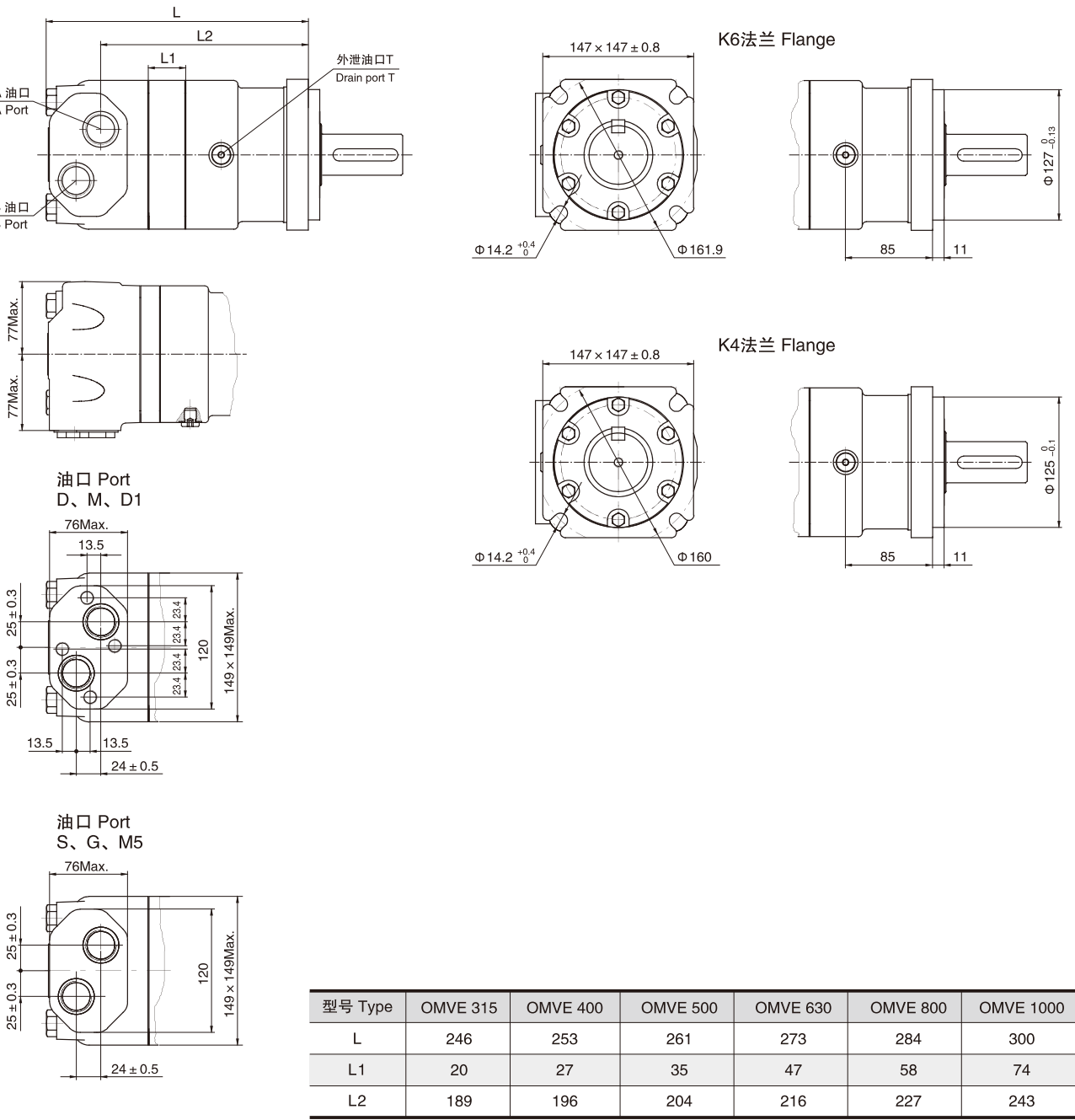
型号 Type	OMV 315	OMV 400	OMV 500	OMV 630	OMV 800	OMV 1000
L	217	224	232	244	255	271
L1	20	27	35	47	58	74
L2	161.5	168.5	176.5	188.5	199.5	215.5

型号 Type	OMVW 315	OMVW 400	OMVW 500	OMVW 630	OMVW 800	OMVW 1000
L	148.5	155.5	163.5	175.5	186.5	202.5
L1	20	27	35	47	58	74
L2	93.5	100.5	108.5	120.5	131.5	147.5

注：1、转定子厚度为：L1+7
Note: The thickness of the stator and rotor is the dimension of L1adding on 7mm.

连接形式 Mounting	代号 Code	D(深) (depth)	M(深) (depth)	S(深) (depth)	G(深) (depth)	M5(深) (depth)	D1(深) (depth)
P (A,B)		G1 (18)	M33×2(18)	1-5/16-12UNC(18)	G1 (18)	M33×2(18)	G3/4 (18)
T		G1/4 (12)	M14×1.5(12)	9/16-18UNF (12)	G1/4 (12)	M14×1.5(12)	G1/4 (12)
C		4-M12(12)	4-M12(12)	-	-	-	4-M12 (12)

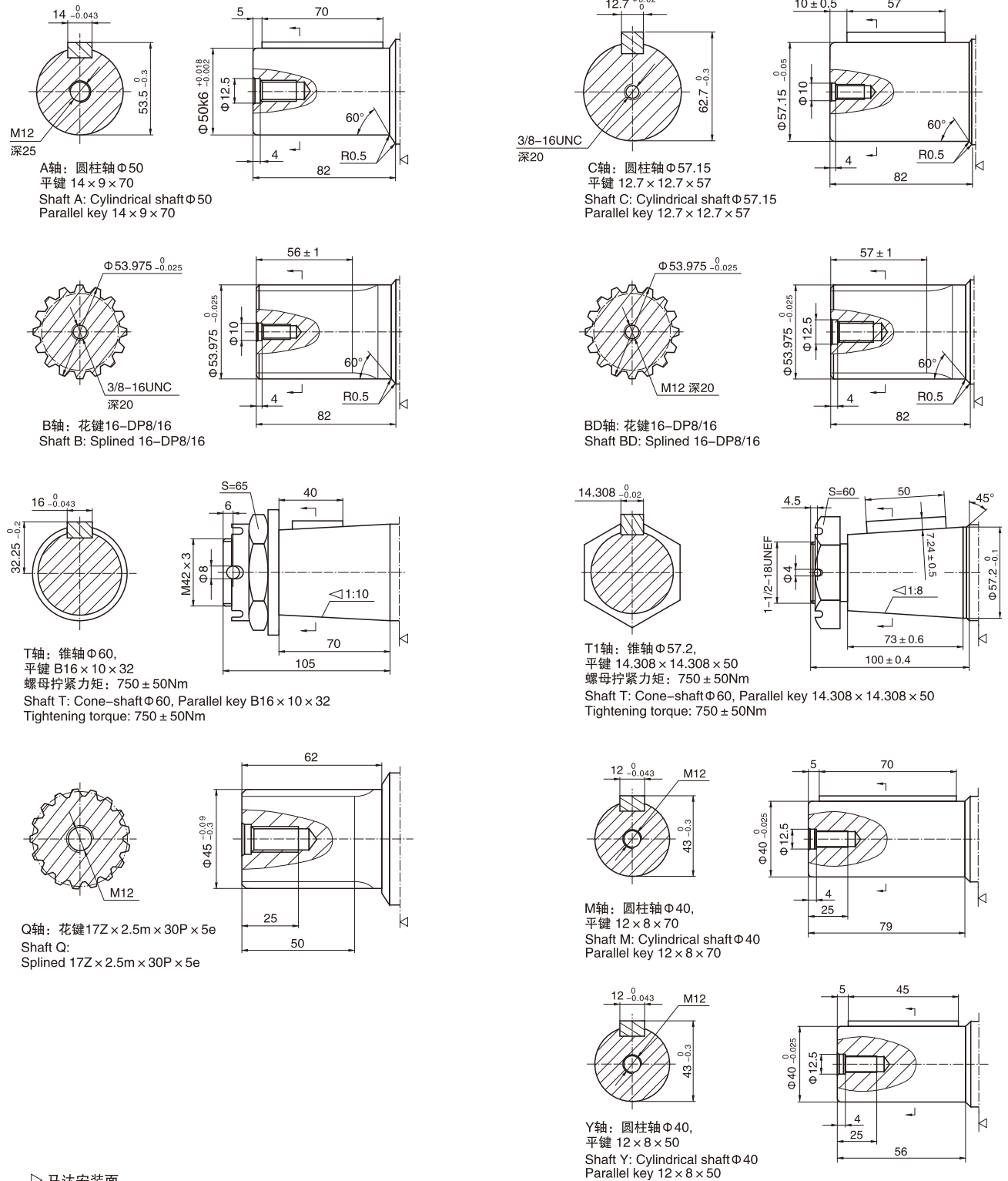
OMVE 安装连接尺寸/ OMVE Installation Dimensions



注：1、转定子厚度为：L1+7
Note: The thickness of the stator and rotor is the dimension of L1adding on 7mm.

连接形式 Mounting	代号 Code	D(深) (depth)	M(深) (depth)	S(深) (depth)	G(深) (depth)	M5(深) (depth)	D1(深) (depth)
P (A,B)		G1 (18)	M33×2 (18)	1-5/16-12UNC (18)	G1 (18)	M33×2 (18)	G3/4 (18)
T		G1/4 (12)	M14×1.5 (12)	9/16-18UNF (12)	G1/4 (12)	M14×1.5 (12)	G1/4 (12)
C		4-M12 (12)	4-M12 (12)	-	-	-	4×M12 (12)

OMV 轴伸连接尺寸/ OMV Output Shaft Dimensions



▷ 马达安装面
Motor Mounting Surface

订货信息/ Order Information

12345678

OMV、OMVE

1	2	3	4	5	6	7	8
型号	排量	法兰、止口	轴伸	油口、外泄口	旋向工况	油漆选项	特殊功能
OMV	315 400 500 630 800 1000	4-Φ18 方法兰Φ200，止口Φ160×11 4-Φ18 车轮法兰Φ224，止口Φ180×10	A Φ50 轴，平键14×9×70	D G1板式 4×M12, G1/4 M M33×2板式4×M12, M1×1.5 S 1-5/16-12UN, 9/16-18UNF G G1, G1/4 M5 M33×2, M14×1.5 D1 G3/4板式4×M12, G1/4	无	00 不油漆	无 常规
			BD Φ53.975 轴，花键16-DP8/16			无 蓝漆	
			B Φ53.975 轴，花键16-DP8/16			标准	
			C Φ57.15 轴，平键12.7×12.7×57.15			反向	
			T Φ60 锥轴，平键16×10×32			R	
			T1 Φ57.2 锥轴，平键14.308×14.308×50.8			S 银灰漆	
OMVE	K6 K4	4-Φ14.2 方法兰Φ162，止口Φ127×11 4-Φ14.2 方法兰Φ160，止口Φ125×11	Q Φ45 轴，花键17Z×2.5×30P×5e				
			M M型Φ40 轴，平键12×8×70 Y Y型Φ40 轴，平键12×8×45				

注：用户在使用订货信息时，将马达结构、排量、安装法兰、轴伸、进出油口等信息，选择左面作色部位的代号按上面格式写给我们即可。若所选规格不在上述表中或特殊要求，请与我们联系。

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OMV、OMVE

1	2	3	4	5	6	7	8
Type	Displace ment	Flange	Output shaft	Ports and drain port	Rotation direction	Paint	Unusually function
OMV	315 400 500 630 800 1000	4 W T T1 Q	A ShaftΦ50, parallel key 14×9×70	D G1 Manifold Mount 4×M12, G1/4 M M33×2 Manifold Mount 4×M12, M1×1.5 S 1-5/16-12UN, 9/16-18UNF G G1, G1/4 M5 M33×2, M14×1.5 D1 G3/4 Manifold Mount 4×M12, G1/4	Omit Standard R Opposite	00 No paint Omit Blue B Black S Silver grey	Omit Standard
			BD ShaftΦ53.975, splined key 16-DP8/16				
			B ShaftΦ53.975, splined key 16-DP8/16				
			C ShaftΦ57.15, parallel key 12.7×12.7×57.15				
			T Cone shaftΦ60, parallel key 16×10×32				
			T1 Cone shaftΦ57.2, parallel key 14.308×14.308×50.8				
OMVE	K6 K4	K6 K4	Q ShaftΦ45, splined key 17Z×2.5×30P×5e				
			M M type ShaftΦ40, parallel key 12×8×70 Y Y type ShaftΦ40, parallel key 12×8×45				

Note: When the table is used, please fill the code of left rows in the table and give us, which the code information is consists of construction, displacement, mounting flange, output shaft and ports. If the specification is not in the table or you have specific requirements, please contact us .



1、产品特点/ Product features	77
2、技术参数/ Technical data	77
3、安装联接尺寸/ Installation Dimensions	
OMK6 安装连接尺寸 OMK6 Installation Dimensions	78
OMK6 轴伸连接尺寸 OMK6 Output Shaft Dimensions	80
OMK6 油口连接尺寸 OMK6 Oil port Connection Dimensions	81
4、订货信息/ Order Information	82

产品特点 / Product features

OMK6系列摆线液压马达是一种先进的平面配流结构液压马达，该系列马达使用镶柱式转定子付，具有工作压力高，工作效率高，整机高效保持性好，工作寿命长的特点。可在标准结构的基础上根据用户需求进行多功能的变型设计。

- 其特点：
- 1、采用先进的转定子参数设计，启动压力低，效率高并保持性好。
 - 2、先进平面配流结构，使马达配流精度高，磨损后自动补偿功能强，确保高的容积效率、马达寿命长，确保马达转速平稳、负载速度特性平稳。
 - 3、采用先进的旋转轴封设计，可承受高的背压能力。
 - 4、采用圆锥滚子轴承结构，承受轴、径向负荷能力强，马达可直接驱动工作机构，应用范围扩大。

OMK6 series motor adapt the advanced Geroler gear set designed with disc distribution flow and high pressure. The unit can be supplied the individual variant in operating multifunction in accordance with requirement of applications.

- Characteristic features:
- 1、Advanced manufacturing devices for the Geroler gear set, which use low pressure of start-up,provide smooth and reliable operation and high efficiency.
 - 2、Advanced design in disc distribution flow ,which can automatically compensate in operating with high volume efficiency and long life, provide smooth and reliable operation.
 - 3、Shaft seal can bear high pressure of back .
 - 4、The output shaft adapts in tapered roller bearings that permit high axial and radial forces. The case can offers capacities of high pressure and high torque in the wide of applications.

技术参数/ Technical data

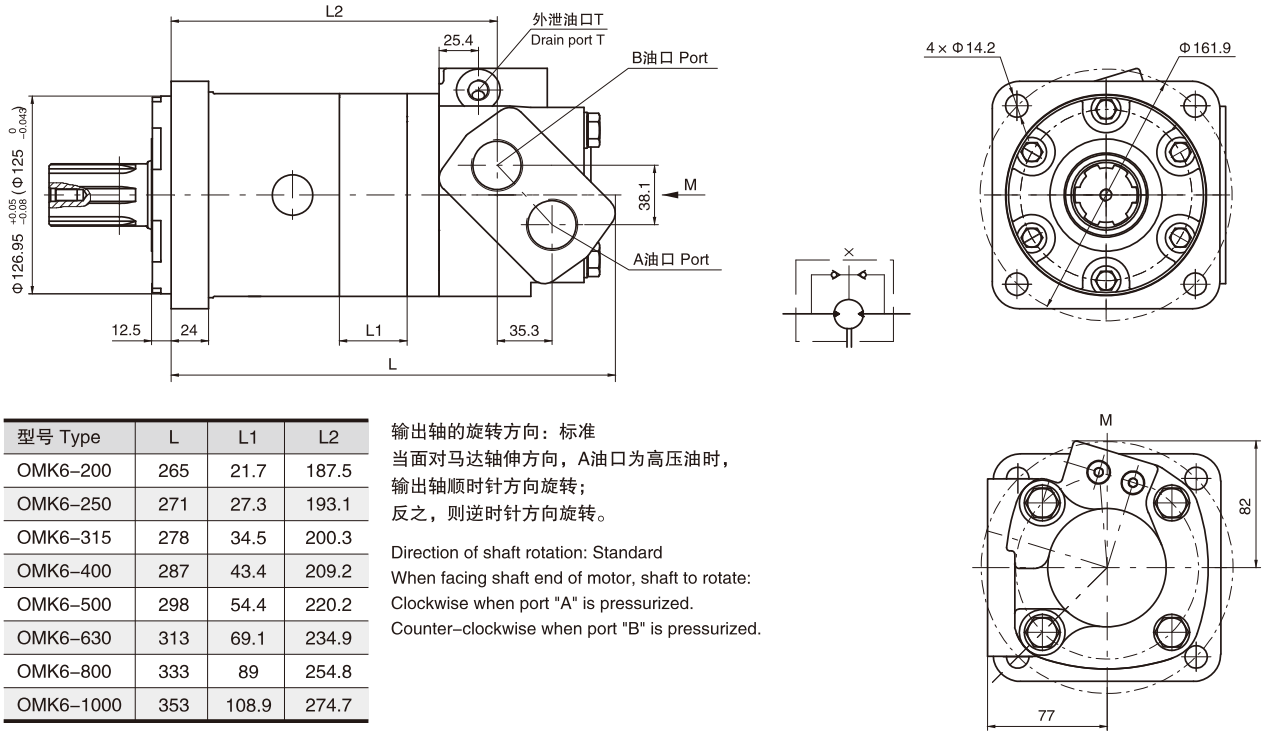
型 号 Type		OMK6 200	OMK6 250	OMK6 315	OMK6 400	OMK6 500	OMK6 630	OMK6 800	OMK6 1000
排量 (cm³/rev.) Geometric displacement		195.6	246.1	311.6	391.3	490.8	623	802.4	981.6
最高转速 (rpm) Max. speed	连续 cont.	765	610	480	382	304	240	186	152
	断续 int.	865	830	690	570	455	360	280	230
最大扭矩 (N.m) Max. torque	连续 cont.	565	710	920	1160	1445	1480	1580	1675
	断续 int.	840	1080	1325	1625	1880	1890	1880	1860
最高工作压差 Max. pressure drop (MPa)	连续 cont.	20	20	20	20	20	17.5	14	14
	断续 int.	30	30	30	30	27.5	22.5	15.5	14
	峰值 peak	30	30	30	30	30	24	17.5	17
最大流量 (L/min) Max. flow	连续 cont.	150	150	150	150	150	150	150	150
	断续 int.	170	205	225	225	225	225	225	225
重量 Weight (kg)		26.3	26.8	27.3	28	28.8	29.6	30.5	32

- * 额定转速、扭矩是指在额定流量、压力下的输出值。
* 连续值是指该排量马达可以连续工作的最大值 。
* 断续值是指该排量马达在1分钟内工作6秒的最大值。
* 峰值是指该排量马达在1分钟内工作0.6秒的最大值。

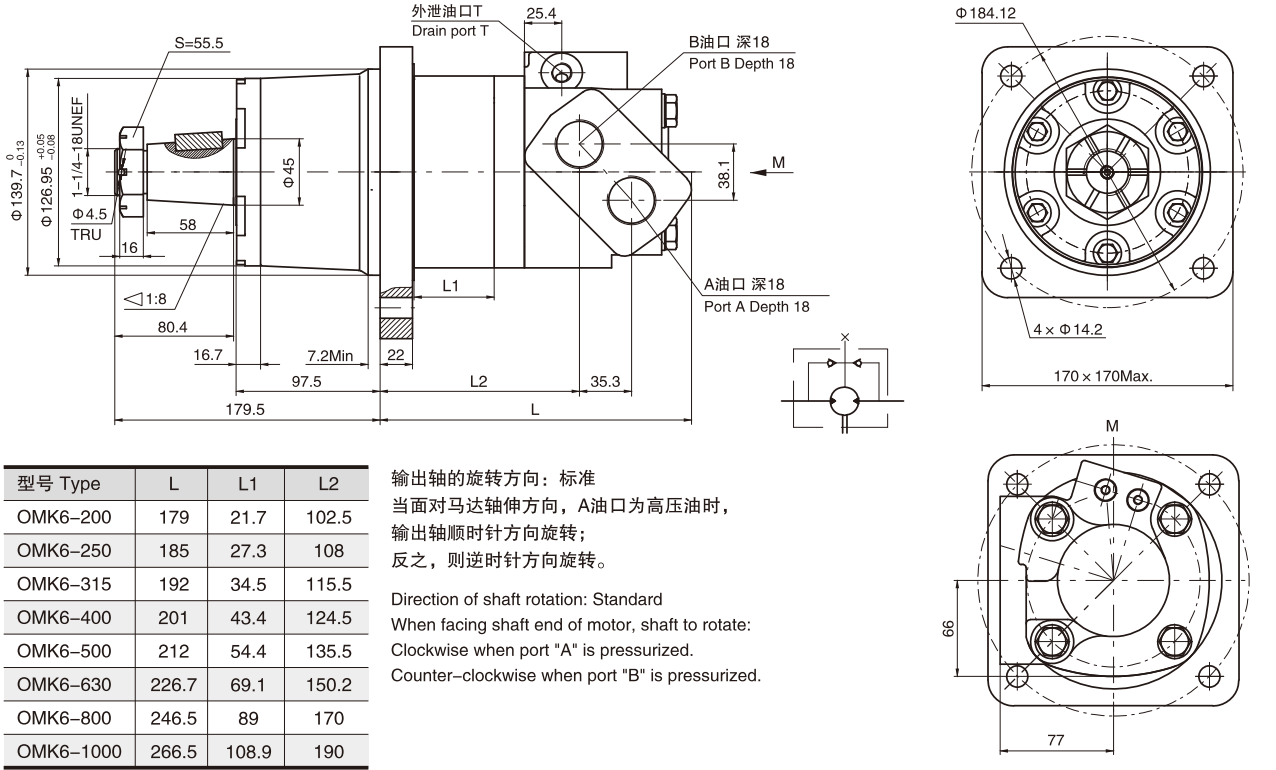
* Rated speed and rated torque: output value of speed and torque under rated flow and rated pressure;
* Continuous pressure: Max.value of operating motor continuously;
* Intermittent prssure: Max.value of operating motor in 6 seconds per minute;
* Peak pressure: Max.value of operating motor in 0.6 second per minute.

OMK6 安装连接尺寸/ OMK6 Installation Dimensions

CC、CC1法兰 Flange

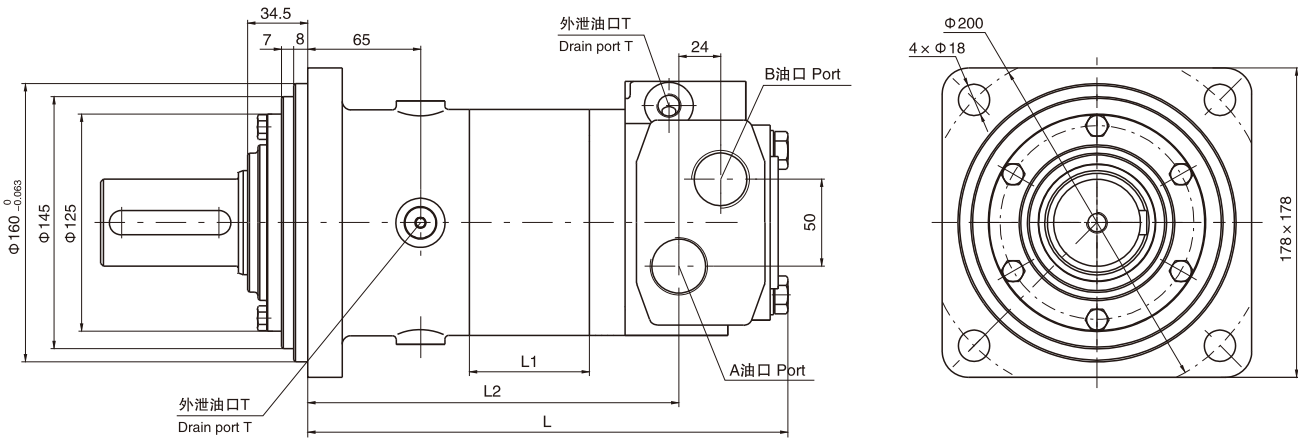


W法兰 Flange



OMK6 安装连接尺寸/ OMK6 Installation Dimensions

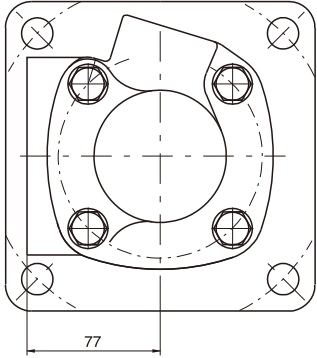
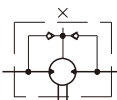
J6法兰 Flange



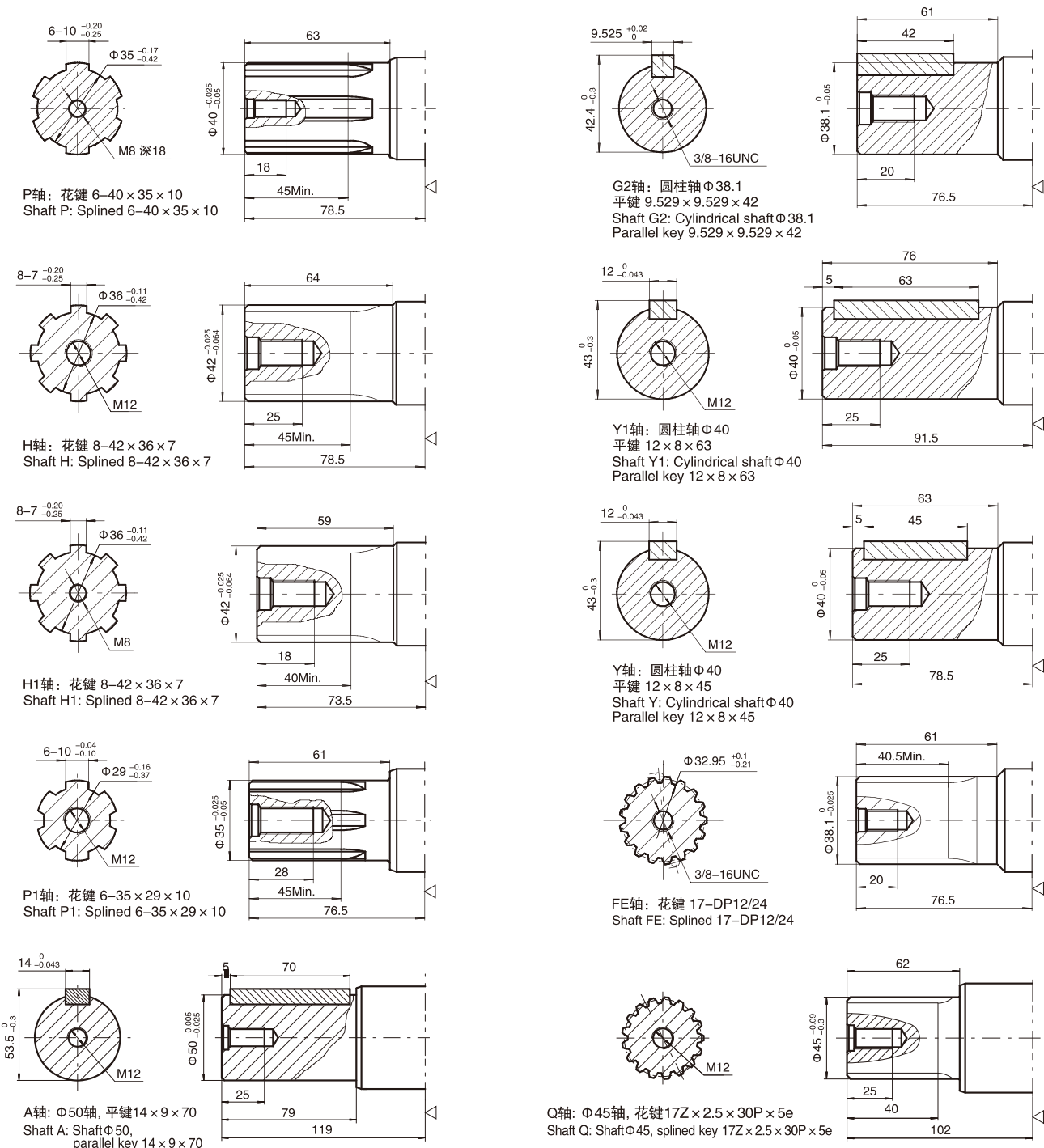
型号 Type	L	L1	L2
OMK6-200	230	21.7	166
OMK6-250	236	27.3	172
OMK6-315	243	34.5	179
OMK6-400	252	43.4	188
OMK6-500	263	54.4	199
OMK6-630	277.5	69.1	213.5
OMK6-800	297.5	89	233.5
OMK6-1000	317.5	108.9	253.5

输出轴的旋转方向: 标准
当面对马达轴伸方向, A油口为高压油时,
输出轴顺时针方向旋转; 反之, 则逆时针方向旋转。
无单向阀, M14 x 15外泄油口必须接回油箱。

Direction of shaft rotation: Standard
When facing shaft end of motor, shaft to rotate, Clockwise
when port "A" is pressurized. Counter-clockwise
when port "B" is pressurized. No one-way valve,
M14 x 15 leakage oil port must be back to the tank.

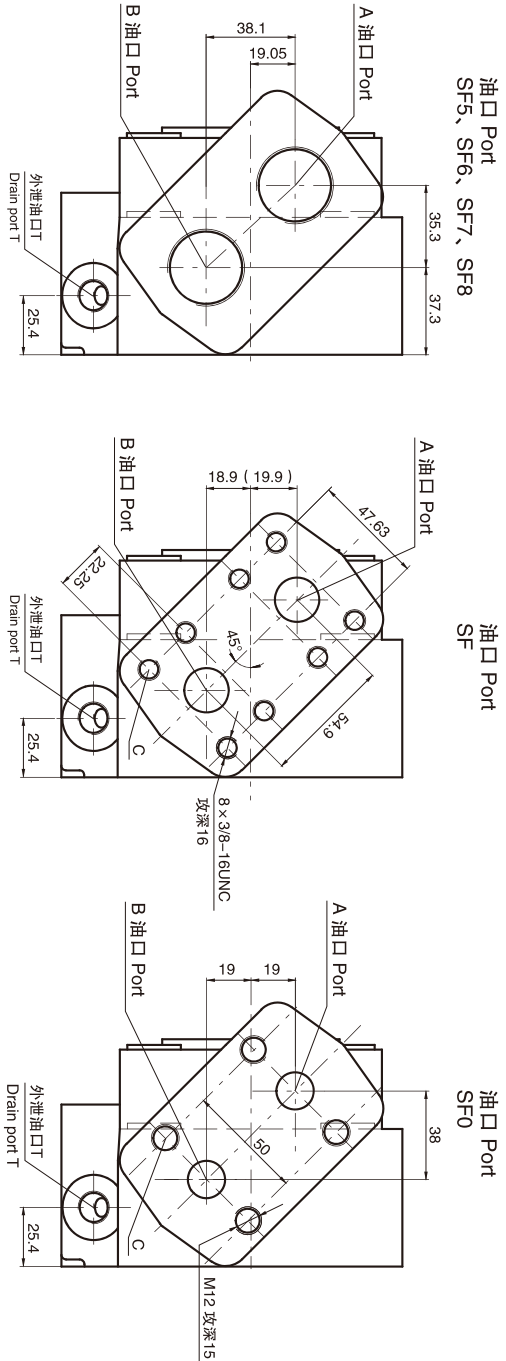


OMK6 轴伸连接尺寸/ OMK6 Output Shaft Dimensions

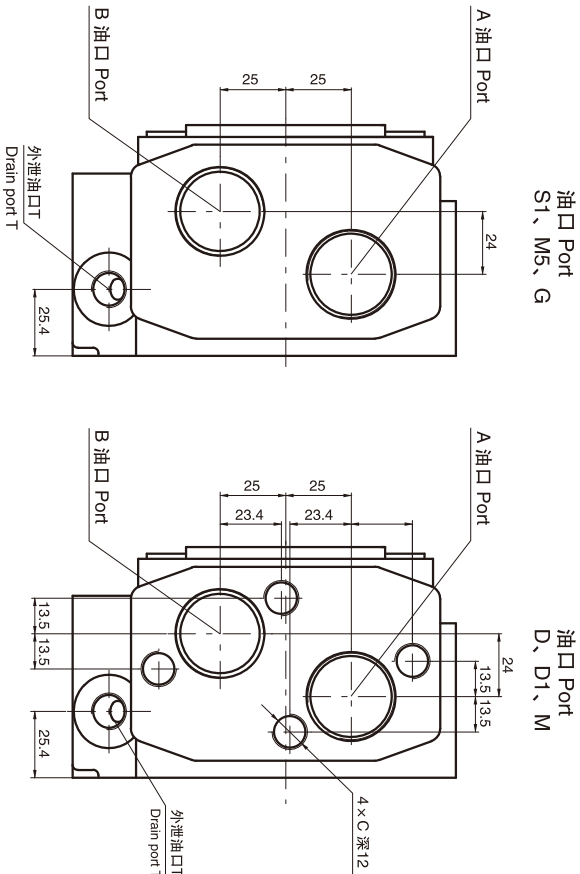


马达安装面
Motor Mounting Surface

OMK6 油口连接尺寸/ OMK6 Oil port Connection Dimensions



连接形式 Mounting	代号 Code	SF5(深) (depth)	SF6(深) (depth)	SF7(深) (depth)	SF8(深) (depth)	SF(深) (depth)	SF0(深) (depth)
P (A,B)		1-5/16-12UNC (18)	M33×2 (18)	G1 (18)	G3/4 (18)	Φ 19.05	Φ 16
T		7/16-20UNF (12)	M14×1.5 (12)	G1/4 (12)	G1/4 (12)	7/16-20UNF (18)	M14×1.5 (12)
C		-	-	-	-	8×3/8-16UNC	4×M12



连接形式 Mounting	代号 Code	S1(深) (depth)	M5(深) (depth)	G(深) (depth)	D(深) (depth)	D1(深) (depth)	M(深) (depth)
P (A,B)		1-5/16-12UNC(18)	M33×2(18)	G1(18)	G1(18)	G3/4(18)	M33×2(18)
T		7/16-20UNF(12)	M14×1.5(12)	G1/4(12)	G1/4(12)	G1/4(12)	M14×1.5(12)
C		-	-	-	4×M12	4×M12	4×M12

订货信息/ Order Information

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OMK6

1	2	3		4		5		6		7		8	
型号	排量	法兰、止口		轴 伸		油 口、外泄口		旋向工况		油漆选项		特殊功能	
OMK6	200 250 315 400 500 630 800 1000	CC	4—Φ14.2 方法兰Φ161.9, 止口Φ127×12.5	G2	Φ38.1 轴, 平键9.52×9.52×57.15	SF	3/4" 板式 4×3/8—16UNF, 7/16—20UNF	无	标准	00	不油漆	无	常规
		CC1	4—Φ14.2 方法兰Φ161.9, 止口Φ125×12.5	FE	Φ38.1 轴, 花键17—DP12/24	SF0	Φ16板式4×M12, M14×1.5						
		W	4—Φ14.2 车轮法兰Φ184.12, 止口Φ139.7	Y1	Φ40 轴, 平键12×8×63	SF5	1—5/16—12UN, 7/16—20UNF						
				Y	Φ40 轴, 平键12×8×50	SF6	M33×2, M14×1.5						
				H	Φ42 轴, 花键8—42×36×7	SF7	G1, G1/4	R	反向	B	黑漆		
				H1	Φ42 轴, 花键8—42×36×7	SF8	G3/4, G1/4						
				P	Φ40 轴, 花键6—40×35×10					S	银灰漆		
		J6	4×Φ18方法兰Φ200, 止口Φ160×8	A	Φ50 轴, 平键14×9×70	S1	1—5/16—12UN, 7/16—20UNF						
				Q	Φ45 轴, 花键17Z×2.5×30P×5e	M5	M33×2, M14×1.5						
						G	G1, G1/4						
						D	G1板式4×M12, G1/4						
						D1	G3/4板式4×M12, G1/4						
						M	M33×2板式4×M12, M14×1.4						

注：用户在使用订货信息时，将马达结构、排量、安装法兰、轴伸、进出油口等信息，选择左面作色部位的代号按上面格式写给我们即可。若所选规格不在上述表中或特殊要求，请与我们联系。

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OMK6

1	2	3		4		5		6		7		8	
Type	Displace ment	Flange		Output shaft		Ports and drain port		Rotation direction		Paint		Unusually function	
OMK6	200 250 315 400 500 630 800 1000	CC	4-Φ 14.2 Square-flange Φ 161.9, pilot Φ 127 × 12.5	G2	Shaft Φ 38.1, parallel key 9.52 × 9.52 × 57.15	SF	3/4" Manifold Mount 4 × 3/8-16UNF, 7/16-20UNF	Omit R	Standard Opposite	00 Omit B S	No paint Blue Black Silver grey	Omit	Standard
		CC1	4-Φ 14.2 Square-flange Φ 161.9, pilot Φ 125 × 12.5	FE	Shaft Φ 38.1, splined key 17-DP12/24	SF0	Φ 16 Manifold Mount 4 × M12, M14 × 1.5						
				Y	Shaft Φ 40, parallel key 12 × 8 × 63	SF5	1-5/16-12UN, 7/16-20UNF						
				Y	Shaft Φ 40, parallel key 12 × 8 × 50	SF6	M33 × 2, M14 × 1.5						
		W	4-Φ 14.2 Wheel-flange Φ 184.12, pilot Φ 139.7	H1	Shaft Φ 42, splined key 8-42 × 36 × 7	SF7	G1, G1/4						
				P	Shaft Φ 40, splined key 6-40 × 35 × 10	SF8	G3/4, G1/4						
				P1	Shaft Φ 35, splined key 6-35 × 29 × 10								
		J6	4 × Φ 18 Square-flange Φ 200, pilot Φ 160 × 8	A	Shaft Φ 50, parallel key 14 × 9 × 70	S1	1-5/16-12UN, 7/16-20UNF						
				Q	Shaft Φ 45, splined key 17Z × 2.5 × 30P × 5e	M5	M33 × 2, M14 × 1.5						
						G	G1, G1/4						
						D	G1 Manifold Mount 4 × M12, G1/4						
						D1	G3/4 Manifold Mount 4 × M12, G1/4						
						M	M33 × 2 Manifold Mount 4 × M12, M14 × 1.4						

Note: When the table is used, please fill the code of left rows in the table and give us, which the code information is consists of construction, displacement, mounting flange, output shaft and ports. If the specification is not in the table or you have specific requirements, please contact us .

OMR-BK01

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OMR-BK01系列/ OMR-BK01 Serie

产品特点/ Product features

OMR-BK01系列内置制动器摆线液压马达是一种在OMR系列轴配摆线液压马达内部增加机械装置，使其具有制动功能的液压摆线液压马达。

- 其特点：
- 1、采用先进的转定子参数设计，启动压力低，效率较高，并保持性好，运转平稳。
 - 2、可采用高压轴封，仅仅允许马达单独使用，不允许串联。
 - 3、联动轴特殊设计，马达使用寿命长。
 - 4、特殊系统参数设计，可满足低噪音要求。
 - 5、结构紧凑，安装方便。
 - 6、内置制动器体积小、制动力大、集成使用方便。

OMR-BK01 Series hydraulic motor with brake extending OMR series motor range. This motor has an integrated holding brake.

Characteristic features:

- 1、Advanced manufacturing devices for the Geroler gear set , which use low pressure of start-up ,provide smooth, reliable operation and high efficiency .
- 2、Shaft seal can bear high pressure of back and the motor can be use in parallel or in series .
- 3、Special design in the driver-linker and prolong operating life .
- 4、Special design for distribution system can meet the requirement of low noise of unit .
- 5、Compact volume and easy installation .
- 6、Small volume and radial dimension, high holding torque, power brake, low weight and easy to install.

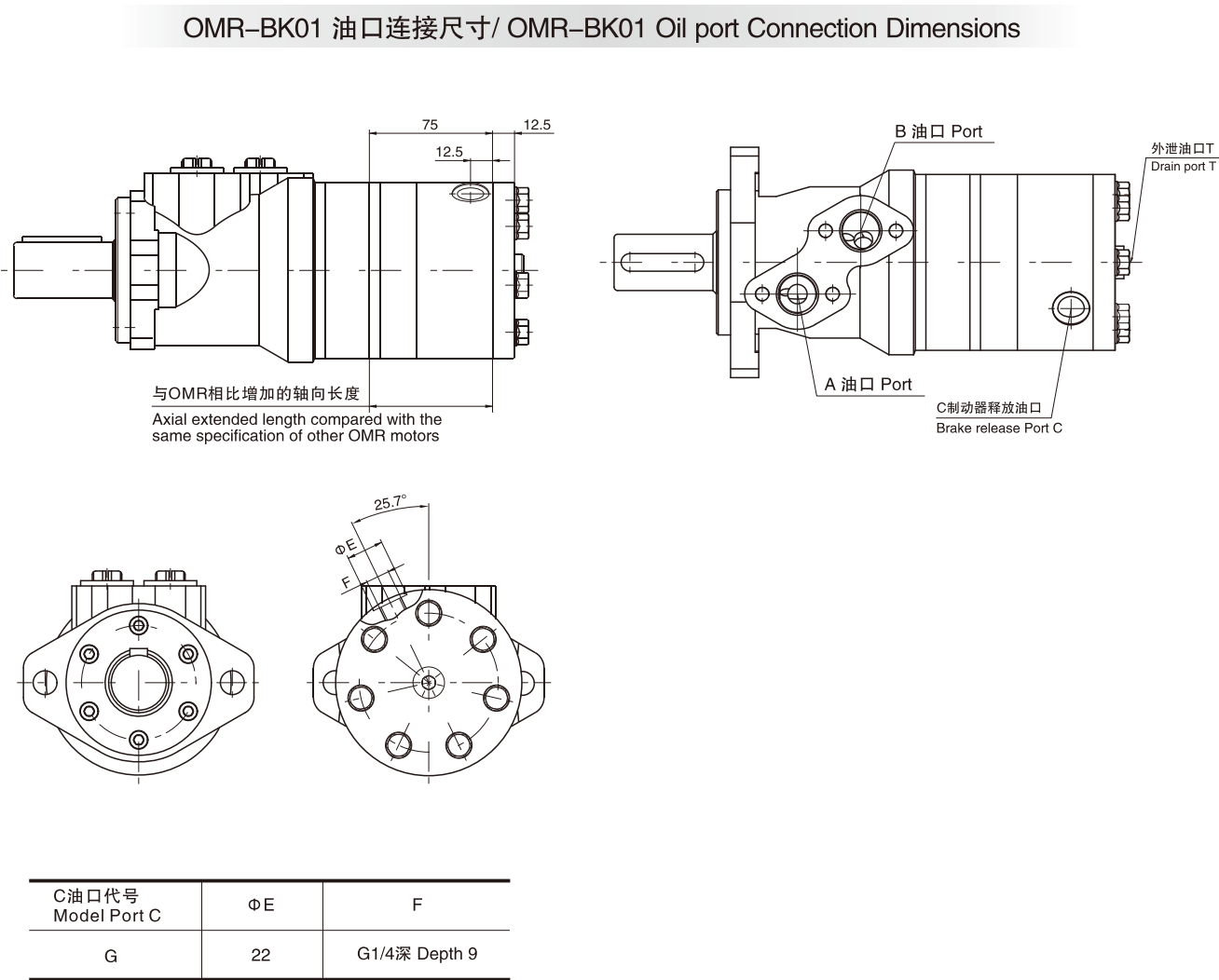
技术参数/ Technical data

型号 Type		OMR-BK01 50	OMR-BK01 80	OMR-BK01 100	OMR-BK01 125	OMR-BK01 160	OMR-BK01 200	OMR-BK01 250	OMR-BK01 315	OMR-BK01 375
排量 (cm³/rev.) Geometric displacement		51.7	81.5	102	128	157	195	253	318	381
最高转速 (rpm) Max. speed	额定 rated	490	479	478	421	341	276	212	169	141
	连续 cont.	509	502	497	459	372	301	231	184	166
	断续 int.	603	598	574	574	465	376	289	230	192
最大扭矩 (N.m) Max. torque	额定 rated	104	164	205	256	316	335	437	456	465
	连续 cont.	103	203	254	317	391	359	437	456	465
	断续 int.	88.6	160	200	250	308	333	473	502	520
最大输出功率 (kw) Max. output	额定 rated	5.3	8.2	10.3	11.3	11.3	9.7	9.7	8.1	6.9
	连续 cont.	5.5	10.7	13.2	15.2	15.2	11.3	10.6	8.8	8.1
	断续 int.	5.6	10	12	15	15	13.1	14.3	12.1	10.5
最高工作压差 Max. pressure drop (MPa)	额定 rated	14	14	14	14	14	12	12	10	8.5
	连续 cont.	14	17.5	17.5	17.5	17.5	13	12	10	8.5
	断续 int.	17.5	20	20	20	20	17.5	13	11	9.5
最大流量 (L/min) Max. flow	额定 rated	26	40	50	55	55	55	55	55	55
	连续 cont.	27	42	52	60	60	60	60	60	65
	断续 int.	32	50	60	75	75	75	75	75	75
制动器开启压力 (MPa) Min. opening pressure	1.7—2.2									
进油口最大承压 (MPa) Max. inlet pressure	25									
制动油口最大承压 (MPa) Max. brake release port pressure	25									
静态制动最大制动扭矩 (Nm) Max. static torque	500—550									
重量 Weight (kg)		11.7	11.9	11.9	12.2	12.5	13	13.5	14	14.5

* 额定转速、扭矩是指在额定流量、压力下的输出值。
* 连续值是指该排量马达可以连续工作的最大值。
* 断续值是指该排量马达在1分钟内工作6秒的最大值。
* 内置制动器为常闭全盘式静态制动器。使用注意如下：
 马达工作时，制动器释放油口压力必须大于2.2MPa; 马达停止后制动状态，制动器释放油口压力必须小于1.7MPa, 最佳为0MPa。所以使用时必须注意制动器所在油路系统的背压最好为0MPa。

* Rated speed and rated torque: output value of speed and torque under rated flow and rated pressure.
* Continuous pressure: Max.value of operating motor continuously.
* Intermittent pressure: Max.value of operating motor in 6 seconds per minute .
* Peak pressure: Max.value of operating motor in 0.6 second per minute.
* Such kind of brake is only used in static paring brake. Dynamic braking in not recommended.
When the motor integrated with brake is working, the pressure at releasing port must be more than 2.2MPa. In the status of braking, the pressure at releasing port must be less than 1.7 MPa, optimally 0 MPa. It is attention in use that the back pressure of the oil circuit is the best 0 MPa.

OMR-BK01系列/ OMR-BK01 Serie



说明：连接尺寸全部可以参照OMR系列摆线液压马达；轴向长度如上图所示增减75mm。C油口为制动器释放油口，位置如上图所示。
Note: The mount data is completely referred to OMR series motor. The axial extended length reduces 70mm as picture.
Port C is brake releasing port, the position is as picture.

订货信息/ Order Information

1	2	3	4	5	6	7	8	9
型号	排量	法兰、止口	轴伸	油口、外泄口	制动器释放油口	旋向工况	油漆选项	特殊功能
OMR-BK01	50	2-Φ13.5 菱法兰，止口 Φ82.5 × 8	A Φ25 轴，平键 8 × 7 × 32	D G1/2 板式 4 × M8, G1/4 M M22 × 1.5 板式 4 × M8, M14 × 1.5 S 7/8-14 O-ring 板式 4 × 5/16-18UNC, 7/16-20UNF P 1/2-14 NPTF 板式 4 × 5/16-18UNC, 7/16-20UNF R PT(Rc)1/2 板式 4 × M8, PT(Rc)1/4	G G1/4深9 总平 Φ22	无 标准 R 反向	00 不油漆 无 蓝漆 B 黑漆 S 银灰漆	常规 N 大径向力 0 无外泄
	80	4-Φ13.5 菱法兰，止口 Φ82.5 × 8	B Φ32 轴，平键 10 × 8 × 45					
	100	4-Φ13.5 菱法兰，止口 Φ82.5 × 8	C Φ25.4 轴，平键 6.35 × 6.35 × 31.75					
	125	4-Φ13.5 菱法兰，止口 Φ82.5 × 8	E Φ25.4 轴，花键 SAE 6B					
	160	4-3/8-16 方法兰，止口 Φ44.4 × 2.8	R Φ25.4 短轴，平键 6.35 × 6.35 × 31.75					
	200	4-3/8-16 方法兰，止口 Φ44.4 × 2.8	F Φ31.75 轴，花键 14-DP12/24					
	250	4-M10 方法兰，止口 Φ44.4 × 2.8	FD Φ31.75 长轴，花键 14-DP12/24					
	315	4-M10 方法兰，止口 Φ44.4 × 2.8	G Φ31.75 轴，平键 7.96 × 7.96 × 31.75					
	375		T Φ28.56 锥轴，平键 B5 × 5 × 14					

注：用户在使用订货信息时，将马达结构、排量、安装法兰、轴伸、进出口等信息，选择左面作色部位代号按上面格式写给我们即可。若所选规格不在上述表中或特殊要求，请与我们联系。

1	2	3	4	5	6	7	8	9
Type	Displace ment	Flange	Output shaft	Ports and drain port	Brake release Port	Rotation direction	Paint	Unusually function
OMR-BK01	50	2-Φ13.5 Rhomb-flange, pilot Φ82.5 × 8	A Shaft Φ25, parallel Key 8 × 7 × 32	D G1/2 Manifold Mount 4 × M8, G1/4 M M22 × 1.5 Manifold Mount 4 × M8, M14 × 1.5 S 7/8-14 O-ring Manifold Mount 4 × 5/16-18UNC, 7/16-20UNF P 1/2-14 NPTF Manifold Mount 4 × 5/16-18UNC, 7/16-20UNF R PT(Rc)1/2 Manifold Mount 4 × M8, PT(Rc)1/4	G G1/4 Depth 9 facing Φ22	Omit Standard R Opposite	00 No paint Omit Blue B Black S Silver grey	Omit Standard N Big radial force 0 No case drain
	80	4-Φ13.5 Rhomb-flange, pilot Φ82.5 × 8	B Shaft Φ32, parallel Key 10 × 8 × 45					
	100	4-Φ13.5 Rhomb-flange, pilot Φ82.5 × 8	C Short shaft Φ25.4, parallel Key 6.35 × 6.35 × 31.75					
	125	4-Φ13.5 Rhomb-flange, pilot Φ82.5 × 8	E Shaft Φ25.4, splined tooth SAE 6B					
	160	4-3/8-16 Square-flange, pilot Φ44.4 × 2.8	R Shaft Φ25.4, parallel Key 6.35 × 6.35 × 31.75					
	200	4-3/8-16 Square-flange, pilot Φ44.4 × 2.8	F Shaft Φ31.75, splined tooth 14-DP12/24					
	250	4-M10 Square-flange, pilot Φ44.4 × 2.8	FD Long shaft Φ31.75, splined tooth 14-DP12/24					
	315	4-M10 Square-flange, pilot Φ44.4 × 2.8	G Shaft Φ31.75, parallel Key 7.96 × 7.96 × 31.75					
	375		T Core-Shaft Φ28.56, parallel Key B5 × 5 × 14					

Note: When the table is used, please fill the code of left rows in the table and give us, which the code information is consists of construction, displacement, mounting flange, output shaft and ports. If the specification is not in the table or you have specific requirements, please contact us .



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产品特点 / Product features

OMER系列摆线液压马达是一种先进的高速配流结构液压马达，该系列马达使用镶柱式转定子付，具有工作压力高，工作效率高，低速稳定性好，能够保持高的容积效率，整机高效保持性好，工作寿命长的特点。可在标准结构的基础上根据用户需求进行多功能的变型设计。其特点：

- 1、采用先进的转定子参数设计，启动压力低，效率高并保持性好。
- 2、工作压力高,输出扭矩大。采用滚针轴承结构，承受轴、径向负荷能力强，使马达可直接驱动工作机构，使用范围扩大。
- 3、先进高速配流结构，使马达配流精度高，磨损后自动补偿能力强，确保高的容积效率、马达长寿命，确保马达转速平稳、负载速度特性平稳。
- 4、配流系统具有低泄漏的特性，配流的旋转速度是输出转速的6倍，使马达配流精度高，磨损后自动补偿能力强，确保高的容积效率，马达具有在低速下平稳运动的特性。

OMER series motor adapt the advanced Geroler gear set designed with high speed distribution flow and high pressure, and have good stability in low speed, and can keep high volume efficiency. The unit can be supplied the individual variant in operating multifunction in accordance with requirement of applications.

- Characteristic features:
- 1、Advanced manufacturing devices for the Geroler gear set, which use low pressure of start-up, provide smooth and reliable operation and high efficiency.
 - 2、The output shaft adapts in needle roller bearings that permit high axial and radial forces. The case can offers capacities of high pressure and high torque in the wide of applications.
 - 3、Advanced design in high speed distribution flow, which can automatically compensate in operating with high volume efficiency and long life , provide smooth and reliable operation.
 - 4、Lowest leakage rate, most accurate timing methods. Commutator rotates 6x faster than shaft speed. It make the distribution in a high precision reduces life-cycle cost, maintain high volume efficiencies and can run very smoothly at low speed, gear box not required.

技术参数/ Technical data

型 号 Type		OMER 125	OMER 160	OMER 200	OMER 230	OMER 250	OMER 300	OMER 350	OMER 375	OMER 400	OMER 475	OMER 540	OMER 650	OMER 750
排量 (cm³/rev.) Geometric displacement		118	156	196	228	257	296	345	371	405	462	540	647	745
最高转速 (rpm) Max. speed	连续 cont.	360	375	330	290	290	250	220	200	185	160	140	115	100
	断续 int.	490	470	425	365	350	315	270	240	220	195	170	138	120
最大扭矩 (N.m) Max. torque	连续 cont.	325	450	530	625	700	810	905	990	1010	1085	980	1015	1050
	断续 int.	380	525	600	710	790	930	1035	1140	1180	1180	1240	1250	1180
	峰值 peak	450	590	750	870	980	1120	1285	1360	1360	1260	1380	1380	1370
最大功率 (kW) Max. output	连续 cont.	12.0	15.0	15.5	16.0	17.5	18.0	17.5	16.5	15.5	14.5	11.5	10.0	8.0
	断续 int.	14.0	17.5	18.0	19.0	20.0	21.0	20.0	19.0	18.0	16.5	15.0	12.0	10.0
最高压力 (Mpa) Max. pressure drop	连续 cont.	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	19	17.5	14	12	10.5
	断续 int.	24	24	24	24	24	24	24	24	22.5	19	17.5	15.5	12
	峰值 peak	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	25	20.5	20.5	17.5	14
最大流量 (L/min) Max. flow	连续 cont.	45	60	70	70	75	80	80	75	75	75	75	75	75
	断续 int.	60	75	85	85	90	95	95	90	90	90	90	90	90

* 额定转速、扭矩是指在额定流量、压力下的输出值。
* 连续值是指该排量马达可以连续工作的最大值 。
* 断续值是指该排量马达在1分钟内工作6秒的最大值。
* 峰值是指该排量马达在1分钟内工作0.6秒的最大值。

* Rated speed and rated torque: output value of speed and torque under rated flow and rated pressure;
* Continuous pressure: Max.value of operating motor continuously;
* Intermittent prssure: Max.value of operating motor in 6 seconds per minute;
* Peak pressure: Max.value of operating motor in 0.6 second per minute.

OMER系列/ OMER Serie

OMER-2 安装连接尺寸/ OMER-2 Installation Dimensions

4孔腰型法兰/ Magneto Mount 4-Hole

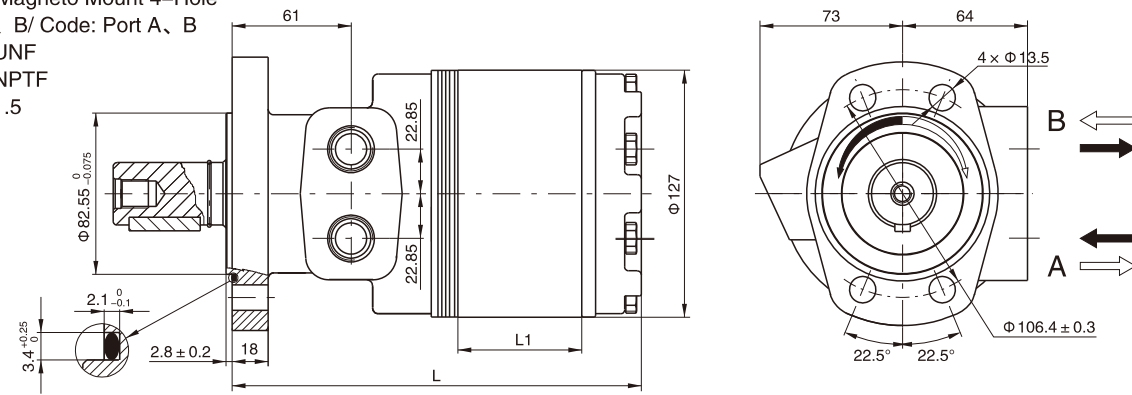
代号: 油口 A、B/ Code: Port A、B

MS 7/8-14UNF

MP 1/2-14NPTF

MG M22 x 1.5

MD G1/2



6孔腰型法兰/ Magneto Mount 4-Hole

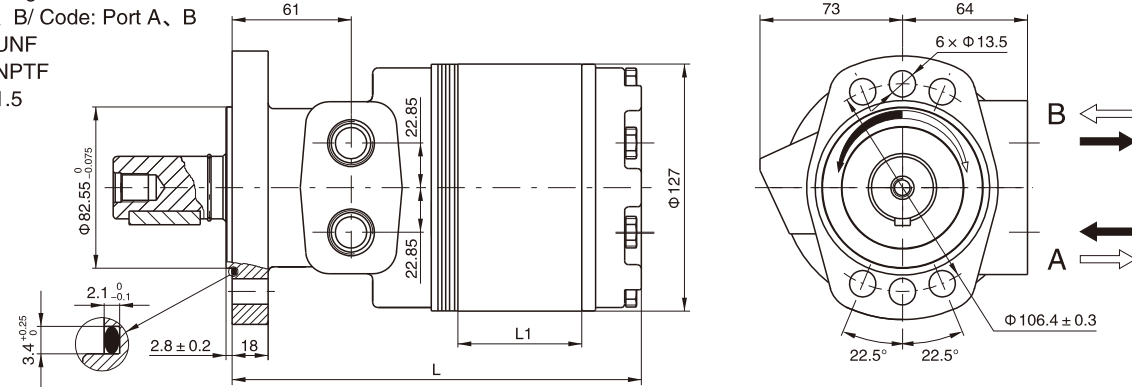
代号: 油口 A、B/ Code: Port A、B

FS 7/8-14UNF

FP 1/2-14NPTF

FG M22 x 1.5

FD G1/2

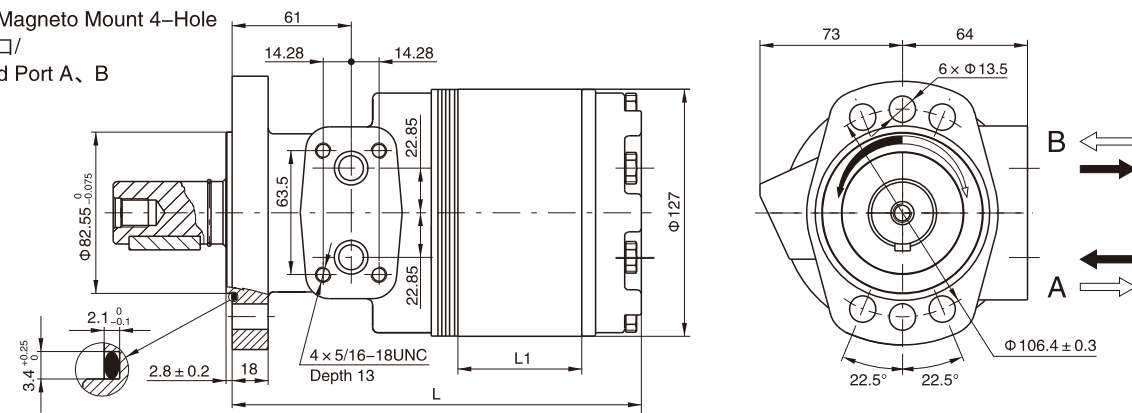


6孔腰型法兰/ Magneto Mount 4-Hole

代号：板式油口/

Code: Manifold Port A、B

FHΦ12.7



排量 Displacement (cm³/rev.)	125	160	200	230	250	300	350	375	400	475	540	650	750
L1(mm)	10.2	13.5	17	19.5	22	25.4	29.5	31.8	35.5	39.4	47.3	57	63.5
L(mm)	159	162	165.5	168	170.5	174	178	180.5	184	188	196	204	212
重量 Weight (kg)	10.6	10.9	11.2	11.3	11.4	11.6	12	12.5	12.7	13	13.5	14.5	15

OMER系列/ OMER Serie

OMER-2 安装连接尺寸/ OMER-2 Installation Dimensions

车轮安装法兰/ Wheel Mount

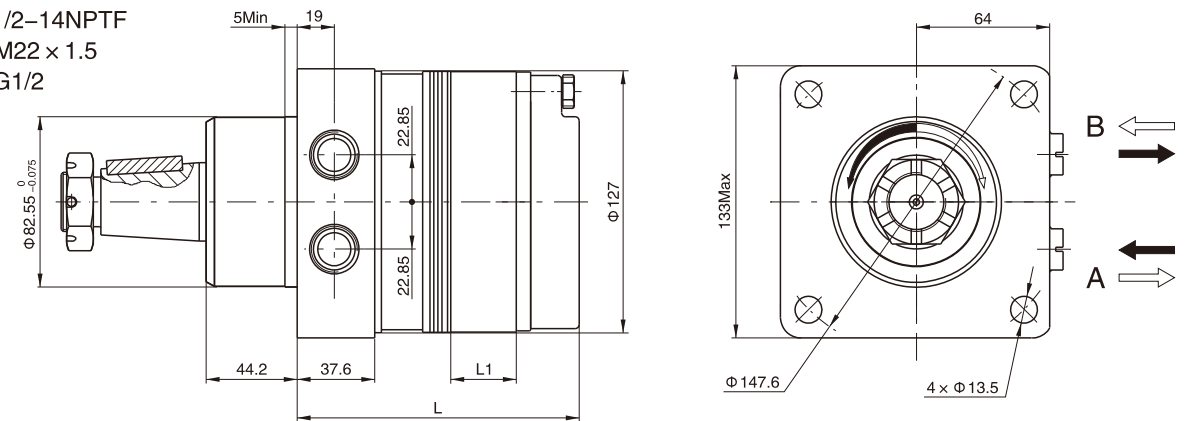
代号: 油口 A、B/ Code: Port A、B

WS 7/8-14UNF

WP 1/2-14NPTF

WG M22 × 1.5

WD	MZZ
WD	G1/2



车轮安装法兰/ Wheel Mount

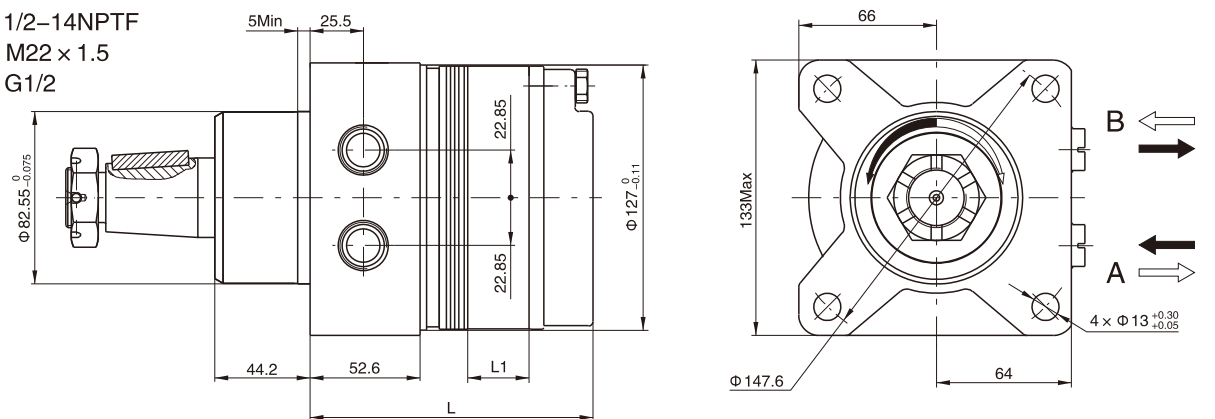
代号：油口 A、B/ Code: Port A、B

TS 7/8-14UNF

TP 1/2-14NPTF

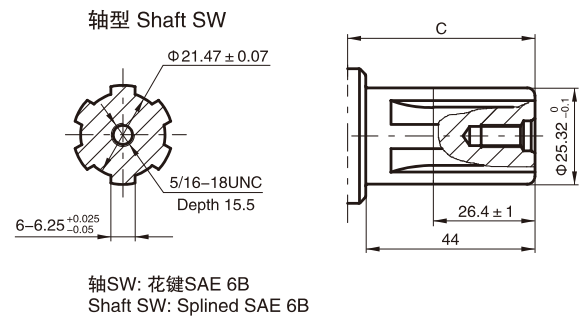
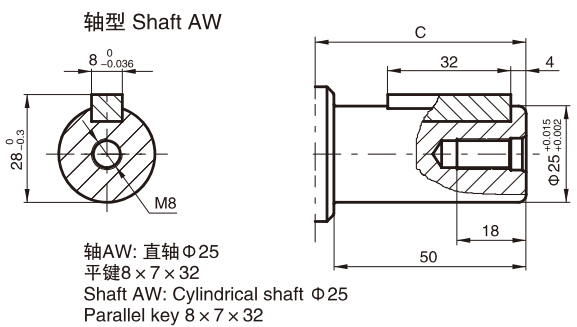
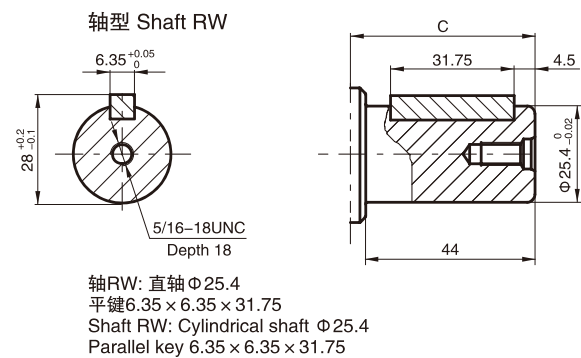
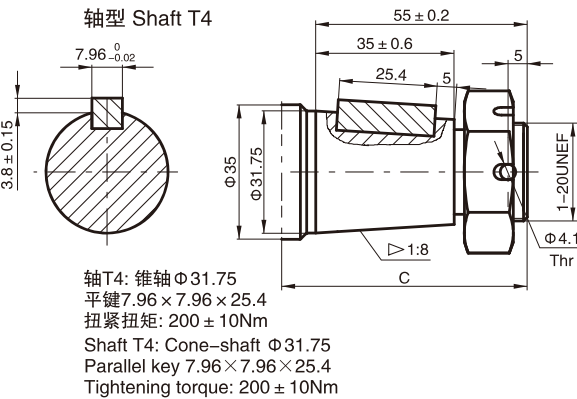
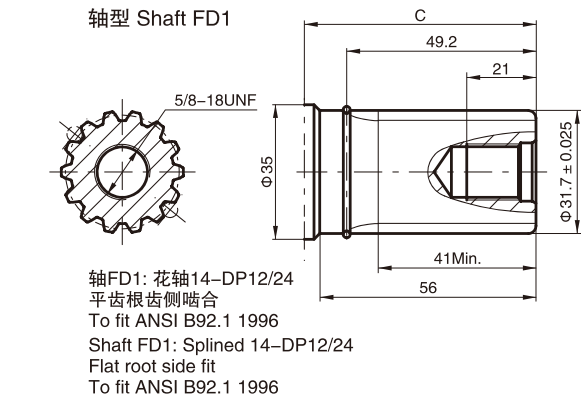
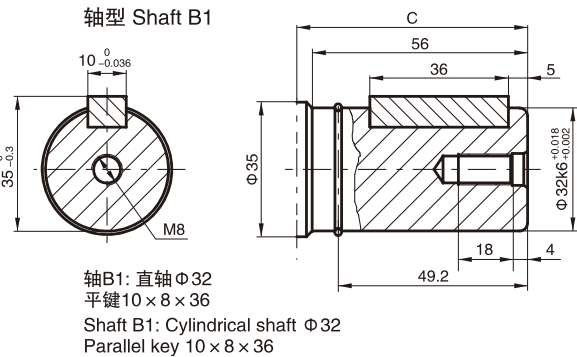
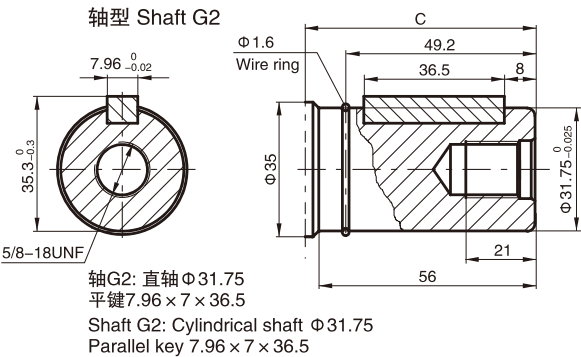
TG M22 × 1.5

TD	G1/2
----	------



排量 Displacement (cm³/rev.)	125	160	200	230	250	300	350	375	400	475	540	650	750
L1(mm)	10.2	13.5	17	19.5	22	25.4	29.5	31.8	35.5	39.4	47.3	57	63.5
L(mm)	120	123	126.5	129	131.5	135	139	141.5	145	149	157	167	176
重量 Weight (kg)	12	12.1	12.3	12.4	12.6	13	13.2	13.5	13.7	14	14.6	15.5	16

OMER-2 轴伸连接尺寸/ OMER-2 Shaft Extensions Dimensions Data

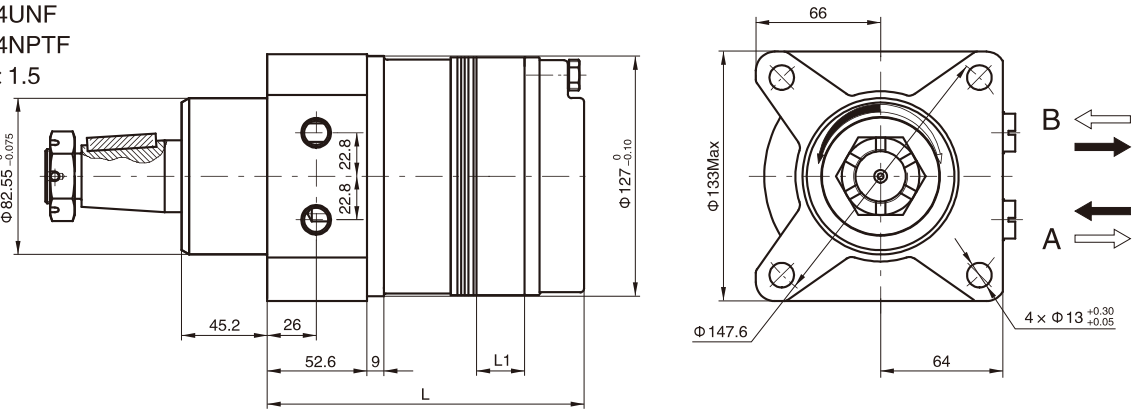


从安装面至轴伸末端/ From Mounting Flange to Shaft End		
尺寸C/ Dimension C		
轴型代号 Shaft Code	腰型法兰 (mm) Magneto Mount	车轮法兰 (mm) Wheel Mount
G2	61	103
B1	61	103
FD1	61	103
T4	65	107
RW	50	91
AW	56	97
SW	50	91

OMER-2也可以安装 $\Phi 38.1$ 轴径, 如T31、M1、G32等轴型, 请与销售经理或技术工程师联系。
OMER-2 can be configured $\Phi 38.1$ shaft seal. Shaft type T31 and M1 and G32. Please consult the sales manager.

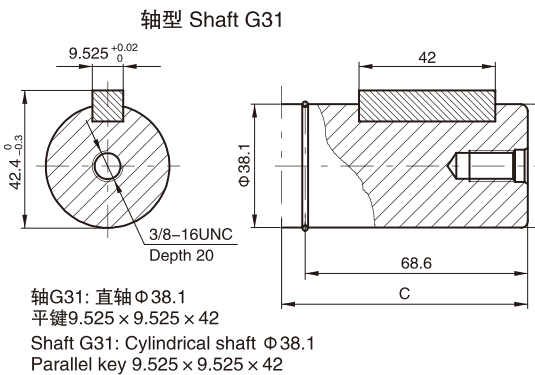
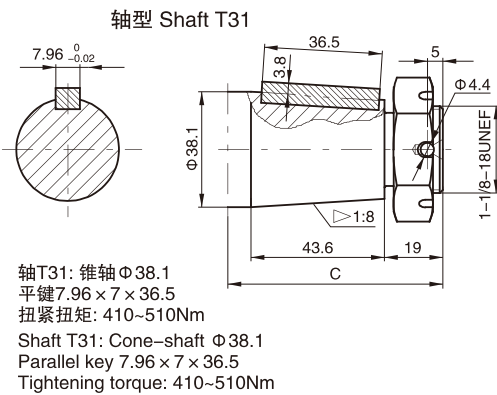
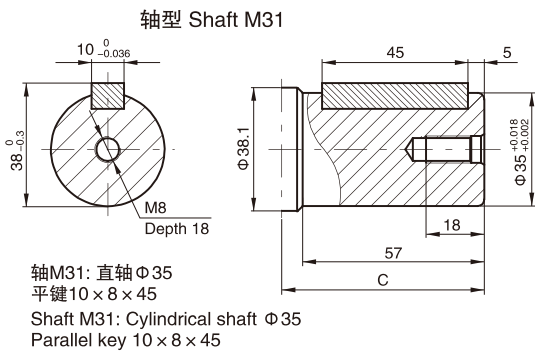
OMER-3 安装连接尺寸/ OMER-3 Installation Dimensions

车轮安装法兰/ Wheel Mount
代号: 油口 A、B/ Code: Port A、B
WS 7/8-14UNF
WP 1/2-14NPTF
WG M22 $\times$ 1.5
WD G1/2



排量 Displacement (cm ³ /rev.)	125	160	200	230	250	300	350	375	400	475	540	650	750
L1(mm)	10.2	13.5	17	19.5	22	25.4	29.5	31.8	35.5	39.4	47.3	57	63.5
L(mm)	153	156	159.5	162	164.5	168	172	174.5	178	182	190	199.5	206
重量 Weight (kg)	13.2	13.5	13.8	14	14.2	14.5	14.9	15.2	15.5	15.7	16.5	17.3	17.8

OMER-3 轴伸连接尺寸/ OMER-3 Shaft Extensions Dimensions Data

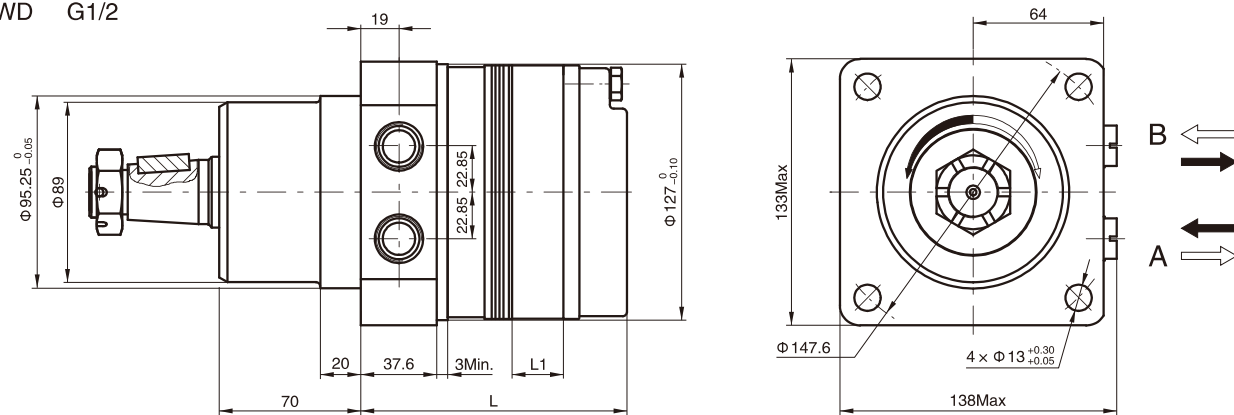


从安装面至轴伸末端/ From Mounting Flange to Shaft End		
尺寸C/ Dimension C		
轴型代号 Shaft Code	腰型法兰 (mm) Magneto Mount	车轮法兰 (mm) Wheel Mount
M31	—	105
T31	—	117
G31	—	119

OMER系列/ OMER Serie

OMER-4 安装连接尺寸/ OMER-4 Installation Dimensions

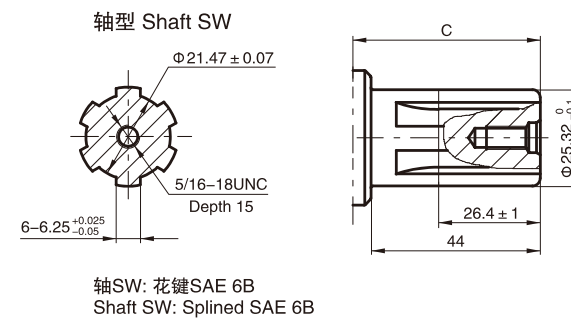
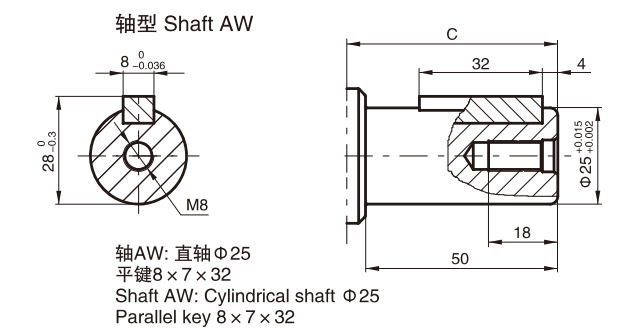
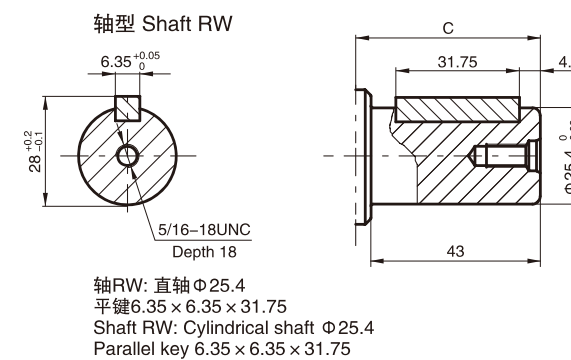
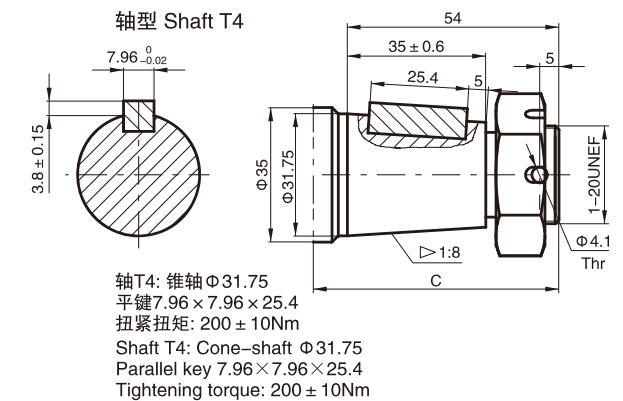
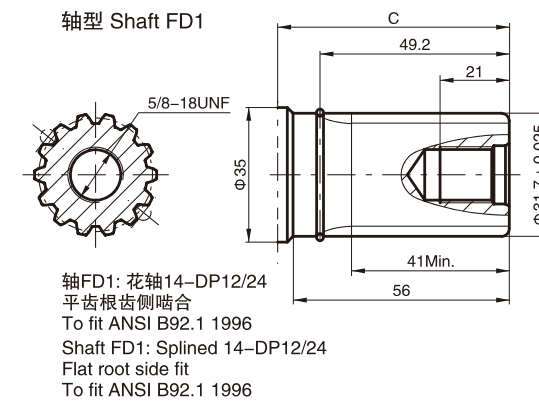
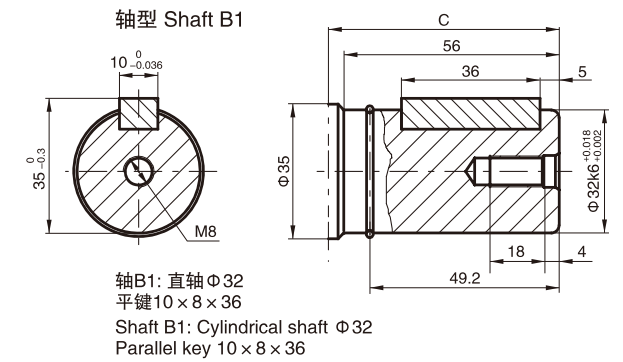
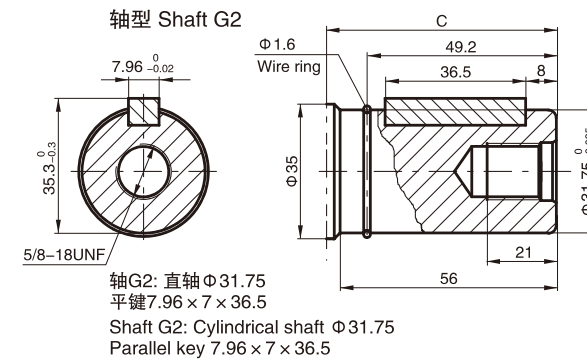
车轮安装法兰/ Wheel Mount
代号: 油口 A、B/ Code: Port A、B
WS 7/8-14UNF
WP 1/2-14NPTF
WG M22 × 1.5
WD G1/2



排量 Displacement (cm³/rev.)	125	160	200	230	250	300	350	375	400	475	540	650	750
L1(mm)	10.2	13.5	17	19.5	22	25.4	29.5	31.8	35.5	39.4	47.3	57	63.5
L(mm)	119	122	125.5	128	130.5	134.5	138	140.5	144.5	148	156	165.5	172
重量 Weight (kg)	12.8	13.1	13.4	13.6	13.8	14.1	14.5	14.8	15.2	15.6	16.1	16.9	17.4

OMER系列/ OMER Serie

OMER-4 轴伸连接尺寸/ OMER-4 Shaft Extensions Dimensions Data



从安装面至轴伸末端/ From Mounting Flange to Shaft End	
尺寸C/ Dimension C	
轴型代号 Shaft Code	车轮法兰 (mm) Wheel Mount
G2	131
B1	130
FD1	131
T4	135
RW	119
AW	119
SW	125

订货信息

OMER系列/ OMER Serie

1	2	3	4	5	6	7
型号	排量	法兰、止口	轴 伸	旋向工况	油漆选项	特殊功能
OMER-2		MS 4 × Ø13.5腰型法兰，止口Ø82.55 × 2.8，油口7/8-14 O-ring	G2 Ø31.75直轴，平键7.96 × 7 × 36.5	无	B 黑漆	无
		MP 4 × Ø13.5腰型法兰，止口Ø82.55 × 2.8，油口1/2-14 NPTF	B1 Ø32直轴，平键10 × 8 × 45			
		MG 4 × Ø13.5腰型法兰，止口Ø82.55 × 2.8，油口M22 × 1.5	FD1 Ø31.75花轴，花键14-DP12/24	标准 反向	S 银灰漆 00 不油漆 无 蓝漆	标准
	125	MD 4 × Ø13.5腰型法兰，止口Ø82.55 × 2.8，油口G1/2	T4 Ø31.75锥轴，平键7.96 × 7.96 × 25.4			
	160	FS 6 × Ø13.5腰型法兰，止口Ø82.55 × 2.8，油口7/8-14 O-ring	RW Ø25直轴，平键6.35 × 6.35 × 31.75			
	200	FP 6 × Ø13.5腰型法兰，止口Ø82.55 × 2.8，油口1/2-14 NPTF	AW Ø25直轴，平键8 × 7 × 32			
	230	FG 6 × Ø13.5腰型法兰，止口Ø82.55 × 2.8，油口M22 × 1.5	SW Ø25花轴，花键SAE 6B			
	250	FD 6 × Ø13.5腰型法兰，止口Ø82.55 × 2.8，油口G1/2				
	300	FH 6 × Ø13.5腰型法兰，止口Ø82.55 × 2.8，板式油口1/2				
	350	WS 4 × Ø13.5车轮法兰，止口Ø82.55 × 5，油口7/8-14 O-ring	M1 Ø35直轴，平键10 × 8 × 45	R		
	375	WP 4 × Ø13.5车轮法兰，止口Ø82.55 × 5，油口1/2-14 NPTF	T31 Ø38.1锥轴，平键7.96 × 7 × 36.5			
	400	WG 4 × Ø13.5车轮法兰，止口Ø82.55 × 5，油口M22 × 1.5	G32 Ø38.1直轴，平键9.525 × 9.525 × 42			
	540	WD 4 × Ø13.5车轮法兰，止口Ø82.55 × 5，油口G1/2				
	650	TS 4 × Ø13.5车轮法兰，止口Ø82.55 × 5，油口7/8-14 O-ring				
	750	TP 4 × Ø13.5车轮法兰，止口Ø82.55 × 5，油口1/2-14 NPTF				
		TG 4 × Ø13.5车轮法兰，止口Ø82.55 × 5，油口M22 × 1.5				
		TD 4 × Ø13.5车轮法兰，止口Ø82.55 × 5，油口G1/2				

注：用户在使用订货信息时，将马达结构、排量、安装法兰、止口、进出油口、轴伸、旋向、油漆等信息，选择左面作色部位的代号按上面格式写给我们即可。若所选规格不在上述表中或特殊要求，(M1、T31、G32) 请与我们联系。

Order Information

OMER系列/ OMER Serie

1	2	3	4	5	6	7
型号	排量	法兰、止口	轴 伸	旋向工况	油漆选项	特殊功能
OMER-2		MS 4-Ø13.5 Magneto Mount, Pilot Ø82.55 × 2.8, Ports 7/8-14 O-ring	G2 Shaft Ø31.75 , parllel key 7.96x7x36.5	None	B No paint	None
		MP 4-Ø13.5 Magneto Mount, Pilot Ø82.55 × 2.8, Ports 1/2-14NPTF	B1 Shaft Ø32, Parallel key 10 × 8 × 45			
		MG 4-Ø13.5 Magneto Mount, Pilot Ø82.55 × 2.8, Ports M22 × 1.5	FD1 Shaft Ø31.75, splined key 14-DP12/24	Standard Reverse timed	S Blue 00 Black None Silver Grey	Standard
	125	MD 4-Ø13.5 Magneto Mount, Pilot Ø82.55 × 2.8, Ports G1/2	T4 Cone-Shaft Ø31.75, Parallel key 7.96 × 7.96 × 25.4			
	160	FS 6-Ø13.5 Magneto Mount, Pilot Ø82.55 × 2.8, Ports 7/8-14 O-ring	RW Shaft Ø25.4, parllel key 6.35 × 6.35 × 31.75			
	200	FP 6-Ø13.5 Magneto Mount, Pilot Ø82.55 × 2.8, Ports 1/2-14NPTF	AW Shaft Ø25, parllel key 8 × 7 × 32			
	230	FG 6-Ø13.5 Magneto Mount, Pilot Ø82.55 × 2.8, Ports M22 × 1.5	SW Shaft cone-shaft Ø25.4, splined key SAE 6B			
	250	FD 6-Ø13.5 Magneto Mount, Pilot Ø82.55 × 2.8, Ports G1/2				
	300	FH 6-Ø13.5 Magneto Mount, Pilot Ø82.55 × 2.8, Manifold Ports 1/2		R		
	350	WS 4-Ø13.5 Wheel Mount, Pilot Ø82.55 × 5, Ports 7/8-14 O-ring	M1 Shaft Ø35, Parallel key 10 × 8 × 45			
	375	WP 4-Ø13.5 Wheel Mount, Pilot Ø82.55 × 5, Ports 7/8-14 O-ring	T31 Cone-Shaft Ø38.1, Parallel key 7.96 × 7 × 36.5			
	400	WG 4-Ø13.5 Wheel Mount, Pilot Ø82.55 × 5, Ports 1/2-14NPTF	G32 Shaft Ø38.1, parllel key 9.525 × 9.525 × 42			
	475	WD 4-Ø13.5 Wheel Mount, Pilot Ø82.55 × 5, Ports M22 × 1.5				
	540	TS 4-Ø13.5 Wheel Mount, Pilot Ø82.55 × 5, Ports 7/8-14 O-ring				
	650	TP 4-Ø13.5 Wheel Mount, Pilot Ø82.55 × 5, Ports 1/2-14NPTF				
	750	TG 4-Ø13.5 Wheel Mount, Pilot Ø82.55 × 5, Ports M22 × 1.5				
		TD 4-Ø13.5 Wheel Mount, Pilot Ø82.55 × 5, Ports G1/2				

Note: When the table is used, please fill the code of left rows in dash area and give us, which the code information is consists of construction, displacement, mounting flange, output shaft and ports. If the specification is not in the table or you have specific requirements, please contact us. OMER-2 Motor: The dimensions 44.2 is replaced by 45.7 with shaft M1、T31、G32 of Ø38.1 shaft seal in flange w# and T#.

订货信息/ Order Information

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OMER-3

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1	2	3	4	5	6	7
型号	排量	法兰、止口、油口	轴 伸	旋向工况	油漆选项	特殊功能
OMER-3	125	4-Φ13.5车轮法兰，止口Φ82.55， 油口 7/8-14 O-ring 4-Φ13.5车轮法兰，止口Φ82.55， 油口 1/2-14 NPTF 4-Φ13.5车轮法兰，止口Φ82.55， 油口 M22 x 1.5 4-Φ13.5车轮法兰，止口Φ82.55， 油口 G1/2	M1 直轴Φ35，平键10×8×45 T31 锥轴Φ38.1，平键7.96×7×36.5 G32 直轴Φ38.1，平键9.525×9.525×42	无 标准 R 反向	B 黑漆	无
	160				S 银灰漆	
	200				00 不油漆	
	230				无 蓝漆	
	250					
	300					
	350					
	375					
	400					
	475					
540						
650						
750						

用。在用户使用货物信息时，将到达结构、重量、安装、兰、轴、油、口、等信息，选择左面作部位的代号按上面格式填写给我们即可。若所选规格不在上表中央或特殊要求，请与我们联系。

1	2	3	4	5	6	7
Type	Displacement	Flange	Output shaft	Rotation direction	Paint	Unusually function
OMER-3	125	WS 4-Φ13.5 Wheel Mount, Pilot Φ82.55, Ports 7/8-14 O-ring WP 4-Φ13.5 Wheel Mount, Pilot Φ82.55, Ports 1/2-14NPTF WG 4-Φ13.5 Wheel Mount, Pilot Φ82.55, Ports M22 x 1.5 WD 4-Φ13.5 Wheel Mount, Pilot Φ82.55, Ports G1/2	M1 Shaft Φ35, Parallel key 10 × 8 × 45 T31 Cone-Shaft Φ38.1, Parallel key 7.96 × 7 × 36.5 G32 Shaft Φ38.1, Parallel key 9.525 × 9.525 × 42	Omit Standard R Reverse timed	00 No paint Omit Blue B Black S Silver Grey	Omit Standard
	160					
	200					
	230					
	250					
	300					
	350					
OMER-3	375					
	400					
	475					
	540					
OMER-3	650					
	750					

Note: When the table is used, please fill the code of left rows in the table and give us, which the code information is consists of construction, displacement, mounting flange, output shaft and ports. If the specification is not in the table or you have specific requirements, please contact us .

订货信息/Order Information

订货信息/ Order Information						
1	2	3	4	5	6	7
型号	排量	法兰、止口、油口	轴伸	旋向/工况	油漆选项	特殊功能
OMER-4	125		G2 直轴 $\Phi 31.75$, 平键 $7.96 \times 7 \times 36.5$			
	160		B1 直轴 $\Phi 32$, 平键 $10 \times 8 \times 45$		B 黑漆	
	200	4- $\Phi 13.5$ 车轮法兰, 止口 $\Phi 82.55$, 油口 7/8-14 O-ring	FD1 花轴 $\Phi 31.75$, 花键 14-DP12/24	标准	S 银灰漆	
	230	4- $\Phi 13.5$ 车轮法兰, 止口 $\Phi 82.55$,	T4 花轴 $\Phi 31.75$, 平键 $7.96 \times 7.96 \times 25.4$			
	250	油口 1/2-14 NPTF	RW 直轴 $\Phi 25.4$, 平键 $6.35 \times 6.35 \times 31.75$	反向	00 不油漆	常规
	300	4- $\Phi 13.5$ 车轮法兰, 止口 $\Phi 82.55$,	SW 花轴 $\Phi 25.4$, 花键 SAE 6B			
	350	油口 M22 $\times 1.5$	AW 直轴 $\Phi 25$, 平键 $8 \times 7 \times 32$		无 蓝漆	
	400	4- $\Phi 13.5$ 车轮法兰, 止口 $\Phi 82.55$, 油口 G1/2				
	475					
	540					
	650					
	750					

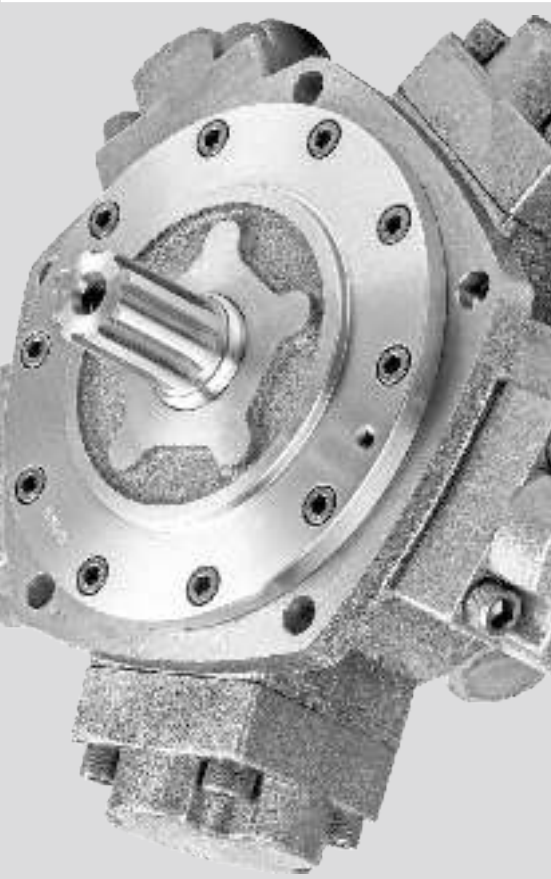
注：用户在使用订货信息时，将马达结构、轴伸、轴兰、法兰、重量、安装尺寸等选择左面作部位的代号按上面格式写给我们即可。若所选规格不在上述表中或特殊要求，请与我们联系。

1	2	3	4	5	6	7
Type	Displace ment	Mount Flange, Pilot, Port	Output shaft	Rotation direction	Paint	Unusually function
OMER-4	125	WS 4-Φ13.5 Wheel Mount, PilotΦ82.55, Ports 7/8-14 O-ring	G2	Omit Standard Reverse timed R	00 Omit Blue Black Silver Grey	
	160		B1			
	200		FD1			
	230		T4			
	250	WP 4-Φ13.5 Wheel Mount, PilotΦ82.55, Ports 1/2-14NPTF	RW	Cone-ShaftΦ31.75, parallel key 7.96 × 7.96 × 25.4 ShaftΦ25.4 , parallel key 6.35 × 6.35 × 31.75 ShaftΦ25.4 ,splined key SAE 6B ShaftΦ25 , parallel key 8 × 7 × 32		
	250		SW			
	300		AW			
	350					
	375	WG				
	400	WD				
475						
540						
650						
750						

Note: When the table is used, please fill the code of left rows in the table and give us, which the code information is consists of construction, displacement, mounting flange, output shaft and ports. If the specification is not in the table or you have specific requirements, please contact us .

ZM

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ZM系列/ ZM Serie

产品特点/ Product Feature

ZM系列曲轴连杆式低速大扭矩液压马达按照意大利提供的技术和标准进行生产。在此基础上，我们还根据市场的需要不断进行技术改进来提高产品的使用性能。其主要特点：

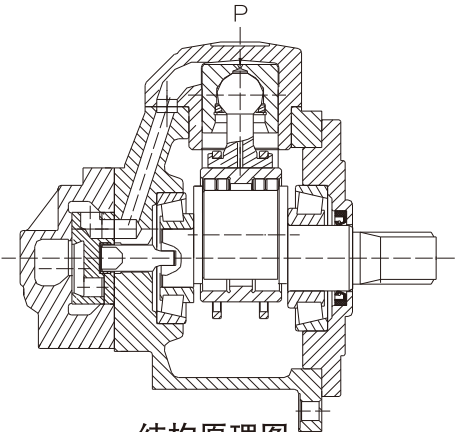
- 1、采用偏心轴及较低激振频率的五活塞结构，具有低噪音的特点；
- 2、起动扭矩大，低速稳定性好，能在很低的速度下平稳运转；
- 3、专利技术的平面补偿配油盘，可靠性好，泄漏少；活塞与柱塞套采用密封环密封，因而具有很高的容积效率；
- 4、曲轴与连杆间由滚柱支承，因而具有很高的机械效率；
- 5、旋转方向可逆，输出轴允许承受一定的径向和轴向外力；
- 6、具有较高的功率质量比，体积重量相对较少。

ZM series product is such kind of low speed high torque motor with crankshaft and connecting rod, produced in strict accordance with the technology and standard of Italy. Meanwhile,we also employ new technoloqy to improve the motor performance according to the market requirements.The main features include:

- 1. Low noise due to an eccentric crankshaft and low excitation frequency of five–piston design;
- 2. Revolve steadily under very low speed due to high starting torque and good low–speed stability;
- 3. Good reliability and less leakage due to the patented flat compensation distributor, special sealing between piston and plunger bushing guarantees higher volumetrical effvciency;
- 4. High mechanical efficency due to roller bearing between crankshaft and connecting rod;
- 5. Reversible rotation, and the output shaft can bear certain external force from both radial and axial direcdtions;
- 6. High power–mass ratio, small volume and light weight.

结构原理

通压力油的柱塞缸受液压力的作用，在柱塞体上产生推力P。该推力通过连杆作用在曲轴中心，使输出轴旋转，同时配油盘随着一起转动，当柱塞体所在位置到达下死点时，柱塞缸便由配油盘接通回油口，柱塞便被曲轴往上推。此时，做功后的液压油通过配油盘返回油箱，各柱塞体依次接通高低压力油，各柱塞体对输出轴中心所产生的驱动力矩同向相加，使马达输出轴获得连续而平稳的回转扭矩。当改变油流方向时，便可改变马达的旋转方向，如将配油盘转180°，装配也可以实现马达的反转。



结构原理图
Structure Graph



ZM系列/ ZM Serie

产品标识说明/ Ordering Code

ZM163B D3172°

ZM系列曲轴连杆式低速大扭矩液压马达
ZM crankshaft and connecting rod low speed
high torque hydraulic motor

系列 / Series

名义排量 (ml/r)
Nominal displacement (ml/r)

输出轴形式
1、无字母表示标准矩形花键轴（以外径定心）。
2、B表示平键轴：注脚数字表示同BM型摆线液压马达或其他
品牌对应型号安装尺寸相同（带过渡法兰板）。
3、D表示安装联接尺寸与昆山液压件厂1JMD型同排量液压马达相同。
4、I表示内花键轴（以内径定心）：注脚数字表示与QJM系列安装尺寸相同（带过渡法兰板）。
5、GM, SI表示安装尺寸与意大利SAI公司生产的M系列、L系列、
GM系列液压马达相同，注脚数字表示不同种类安装尺寸。

Form of output shaft
1. no letter---standard rectangular spline shaft (the center is up to exterior diameter).
2. B---Flat key shaft: Footnote number ---the installation dimension is the same as
BM motors series model (with flange).
3. D---installation dimension is the same as 1JMD series motors of the same displacement
(KunShan HYD element plant).
4. I---internal spline shaft(the center is up to interior diameter).Footnote number---the installation
dimension is the same as QJM series motors(with flange).
5. GM,SI indicates the installation dimension is the same as M series, L series, GM series of ITALY
SAI company. Footnote number---different kinds of installation dimension.

配油器种类，订货时若不注明，则按标准配置（见各系列马达安装联接尺寸图）
如有特殊需要，并在订货时注明。
Oil distribution casing type: it will be configured with standard casing if there is no special requirement
marked in the ordering. If you have special requirements, please mark your requirements in the order.

* 未写明表示马达安装孔位置与样本中图示一致
* “左偏”表示在无法兰连接的情况下其中一个安装孔在正下方 (即马达安装时的两只角朝下)
* “右偏”表示在无法兰连接的情况下其中一个安装孔在正上方 (即马达安装时的一只角朝下)
* Omit--mounting hole position, same as illustrated.
* "Left deviation" indicates that one mounting hole is right below it when there is no flange. (I.e.: two corners
face downward when installing the motor).
* "Right deviation" indicates that one mounting hole is right above it when there is no flange. (I.e.: one corners
face upward when installing the motor).

“左偏” “右偏”只适用于ZM2~ZM11系列马达，且进出油口处水平位置（与图示一样）
"Left deviation" and "Right deviation" are only applicable for ZM2~ZM11 series of motors, and oil inlet and outlet are horizontal
(Same as illustrated)

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ZM系列/ ZM Serie

技术参数/ Technical data

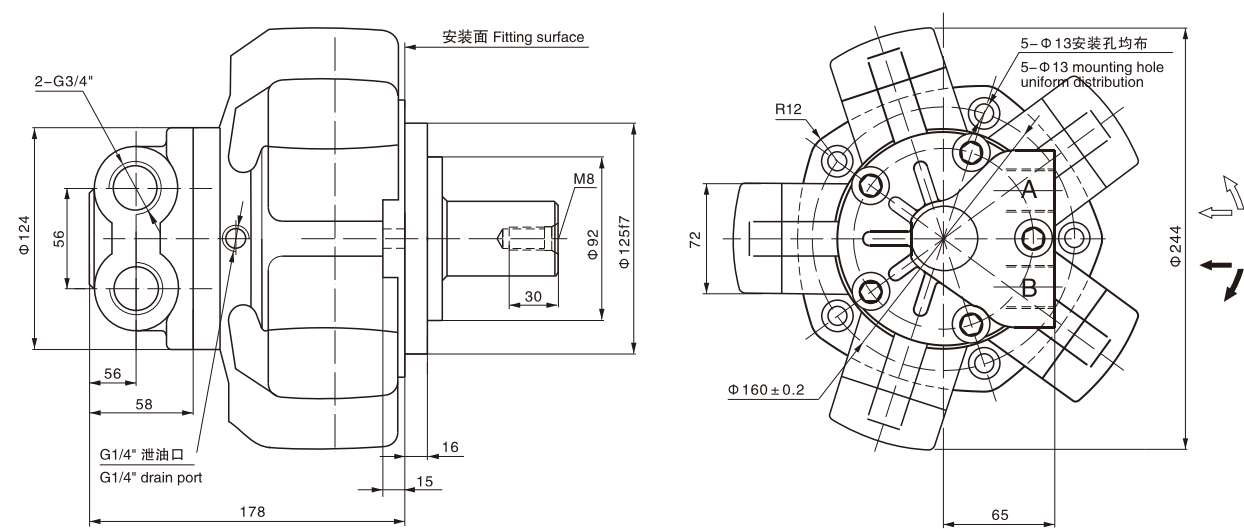
型 号 Model	理论排量 Theory Displacement	压力/Pressure		扭矩/Torque		最高转速 Max. Speed	额定功率 Rated Power	重量 Weight
		额定压力 Rated Pressure	尖峰压力 Max. Pressure	额定扭矩 Rated Torque	单位扭矩 Unit Torque			
		Mpa	Mpa	N.m	N.m/Mpa			
ZM1-63	64	16	22	150	9	450	6	21
ZM1-80	78	16	20	183	11	420	6	
ZM1-100	96	16	20	225	14	350	7	
ZM1-125	126	16	20	295	18	320	8	
ZM1-160	159	14	20	326	23	280	8	28
ZM2-100	113	16	22	264	17	350	8	
ZM2-150	159	16	20	372	23	320	11	
ZM2-175	180	16	20	421	26	320	12	
ZM2-200	206	16	20	482	30	300	13	
ZM2-250	235	14	20	481	34	300	13	
ZM2-280	276	12	18	484	40	280	12	36
ZM3-175	181	16	22	424	26	350	13	
ZM3-200	201	16	20	470	29	320	13	
ZM3-250	254	16	20	594	37	300	16	
ZM3-300	289	14	20	592	42	280	15	
ZM3-350	340	12	18	597	50	250	13	
ZM3-400	380	12	18	667	56	250	15	58
ZM6-400	397	16	22	939	59	320	27	
ZM6-450	452	16	22	1069	67	320	30	
ZM6-500	491	16	22	1162	73	300	31	
ZM6-600	594	16	20	1405	88	280	35	
ZM6-700	683	16	20	1616	101	250	36	
ZM6-750	754	14	18	1561	111	220	31	72
ZM8-600	617	16	20	1444	90	280	36	
ZM8-700	710	16	20	1662	104	260	38	
ZM8-800	810	14	20	1659	118	260	38	
ZM8-900	889	14	20	1821	130	220	36	
ZM8-1000	1000	12	18	1755	146	200	31	
ZM11-700	682	16	22	1596	101	280	40	95
ZM11-800	782	16	22	1830	116	280	46	
ZM11-900	894	16	22	2092	132	280	52	
ZM11-1000	981	16	20	2296	145	250	51	
ZM11-1100	1104	16	20	2584	163	250	57	
ZM11-1200	1234	14	20	2527	182	220	49	
ZM11-1300	1301	14	18	2664	192	200	47	170
ZM16-1400	1413	16	22	3343	209	250	74	
ZM16-1600	1648	16	22	3899	244	250	87	
ZM16-1800	1814	16	22	4292	268	220	84	
ZM16-2000	2034	14	20	4211	301	200	75	
ZM16-2400	2267	14	18	4693	335	180	75	
ZM31-2500	2553	18	25	6722	373	200	120	298
ZM31-2800	2683	18	25	7064	392	200	126	
ZM31-3000	3063	16	25	7169	448	180	115	
ZM31-3150	3218	16	25	7532	471	180	121	
ZM31-3500	3462	16	22	8103	506	160	115	
ZM31-4000	4152	16	20	9718	607	160	138	
ZM31-4500	4522	14	20	10584	661	160	151	550
ZM31-5000	4828	14	20	9887	706	160	141	
ZM70-5000	4946	16	22	11450	716	125	120	
ZM70-5400	5452	16	22	12622	789	125	132	
ZM70-6000	5984	16	22	13853	866	100	116	
ZM70-6300	6540	14	20	13248	946	100	111	
ZM70-7000	7122	14	20	14427	1030	100	121	830
ZM100-6300	6758	16	22	15301	956	100	128	
ZM100-7000	7390	16	22	16732	1046	100	140	
ZM100-8000	7985	16	20	18079	1130	80	121	
ZM100-9000	8636	16	20	19553	1222	80	131	
ZM100-10000	10016	14	20	19843	1417	80	133	

郑重申明：以上数据为实测所得，保证使用性能不低于同类系列产品！版板所有

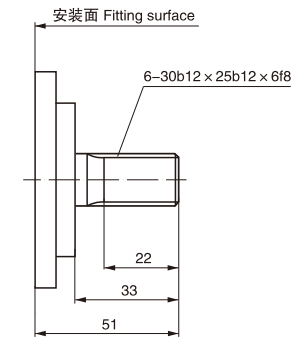
102

ZM1系列/ ZM1 Serie

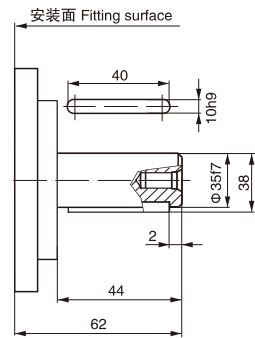
ZM1-63~200 外形及安装尺寸/ ZM1-63~200 Installation Dimension



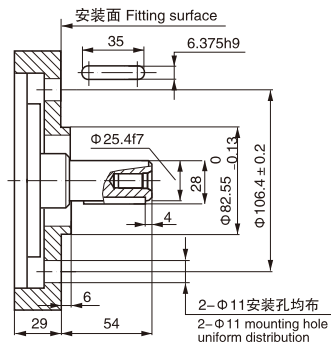
标准外花键 : ZM1-**
Standard Involute Spline : ZM1-**



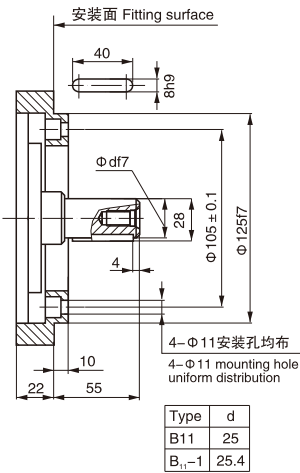
标准平键 : ZM1-**B
Standard Parallel Key : ZM1-**B



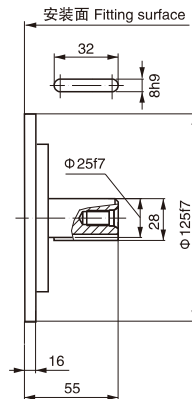
标准内花键 : ZM1-**B3
Standard Female Spline : ZM1-**B3



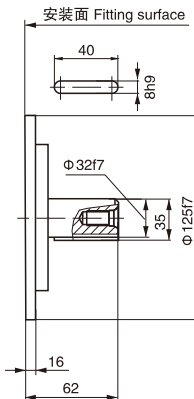
ZM1-**B₁₁ B₁₁-1



ZM1-**B₂₈

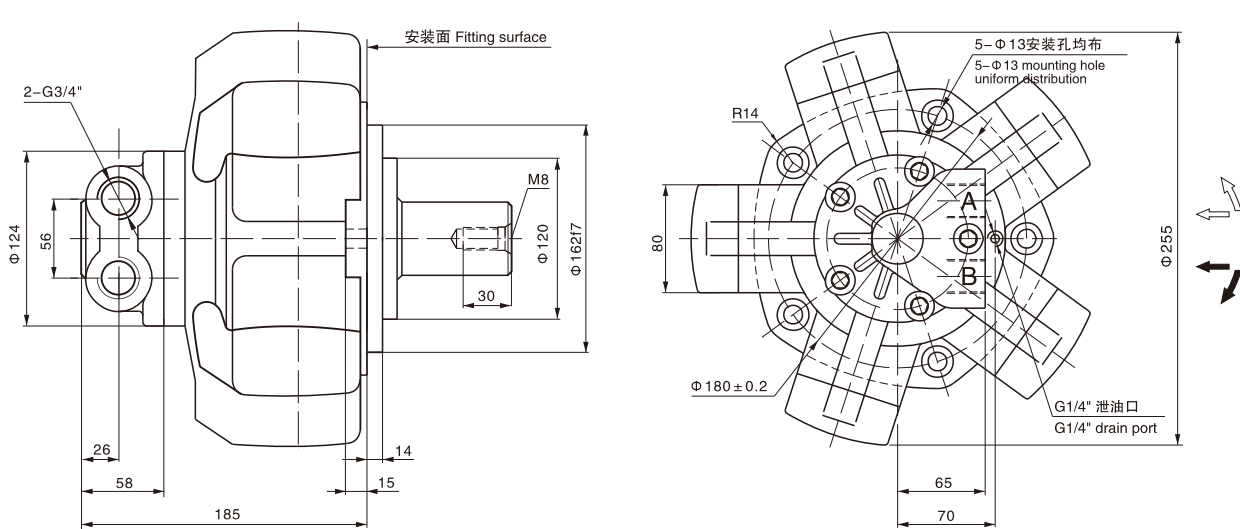


ZM1-**B₃₁

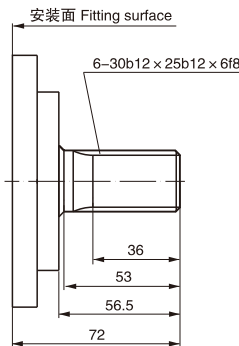


ZM2系列/ ZM2 Serie

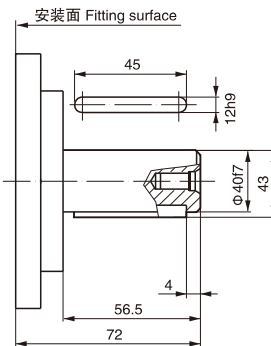
ZM2-100~280 外形尺寸/ ZM2-100~280 Installation Dimension



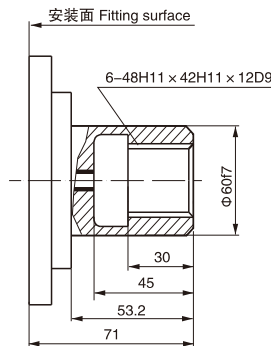
标准外花键 : ZM2-**
Standard Involute Spline : ZM2-**



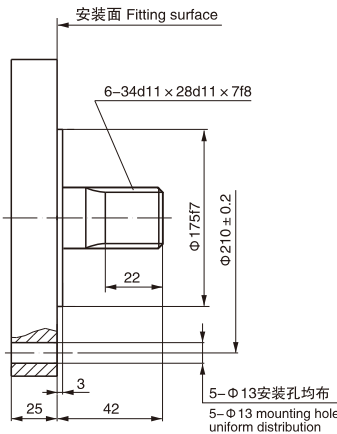
标准平键 : ZM2-**B
Standard Parallel Key : ZM2-**B



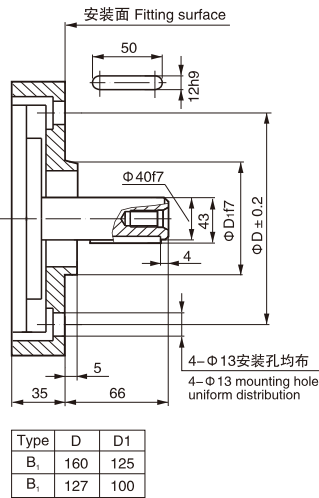
标准内花键 : ZM2-**I
Standard Female Spline : ZM2-**I



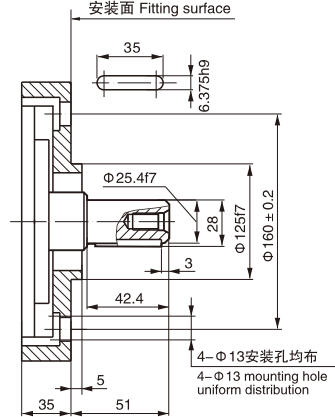
ZM2-**SL₁



ZM2-**B₁、B₂

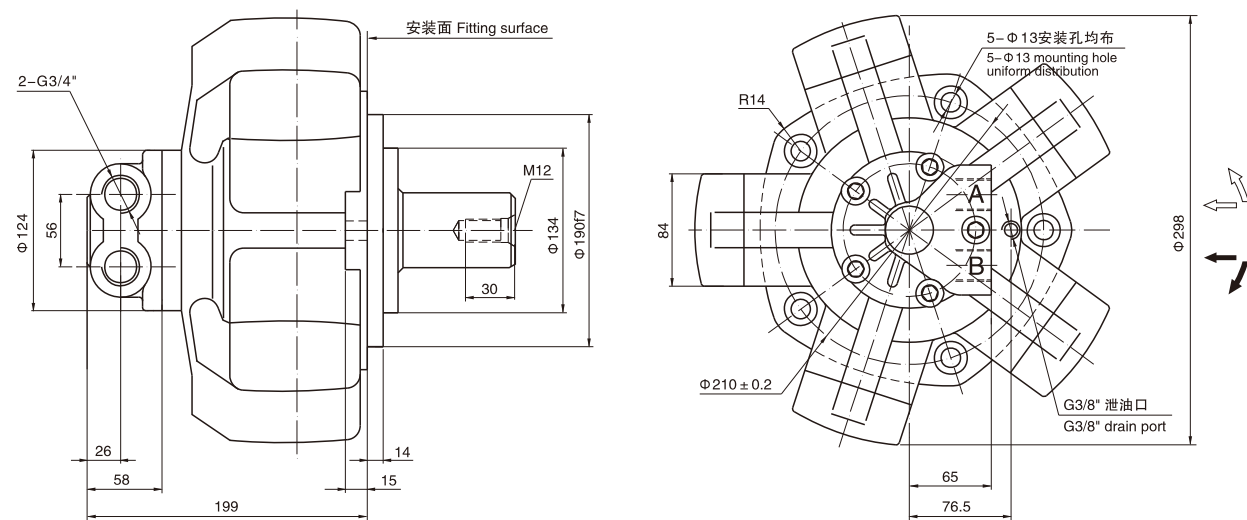


ZM2-**B₃

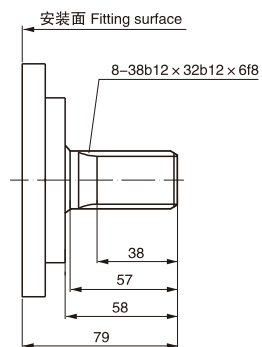


ZM3系列/ ZM3 Serie

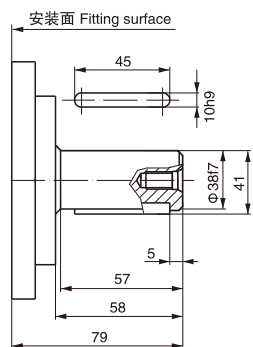
ZM3-175~400 外形及安装尺寸/ ZM3-175~400 Installation Dimension



标准外花键 : ZM3-**
Standard Involute Spline

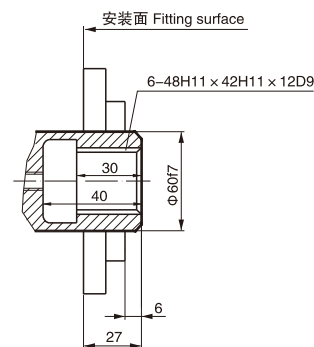
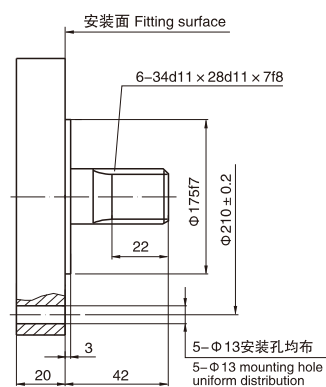
ZM3-^{**}SL₁

标准平键 : ZM3-**B



ZM3-^{**}SL₂、SL₃

标准内花键 : ZM3-**I
Standard Female Splines

ZM3-^{**}B₁

安装面 Fitting surface

8-40d11 x 36d11 x 718

Φ1507

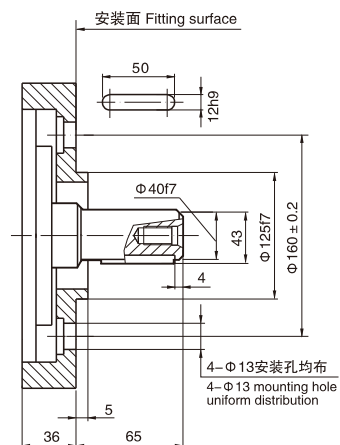
48

5

36 72

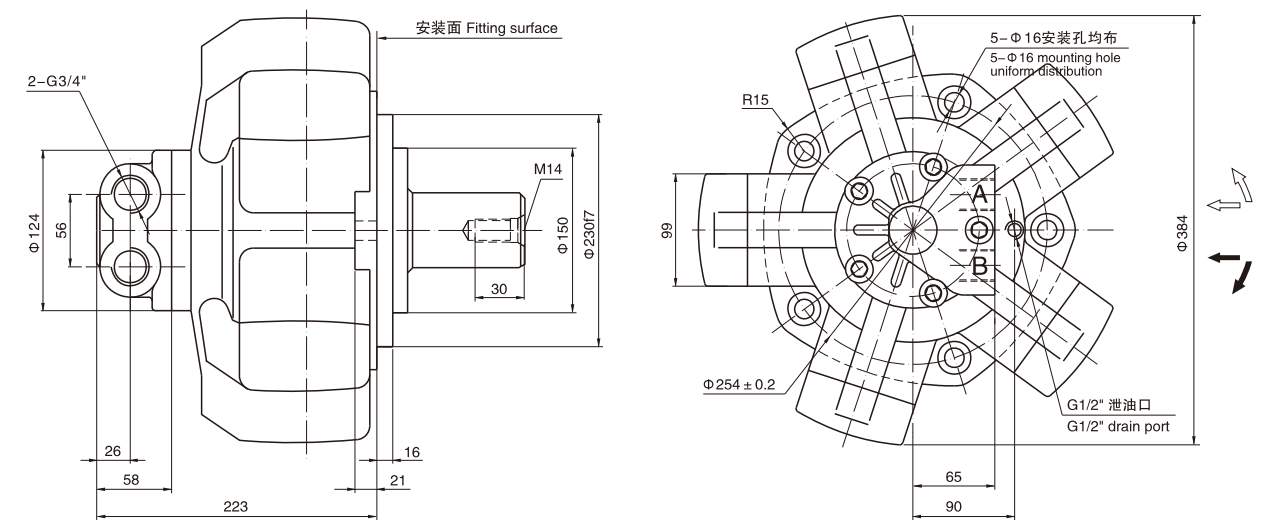
5-Φ13 安装孔均布
5-Φ13 mounting hole
uniform distribution

Type	D
SL ₂	195
SL ₃	250

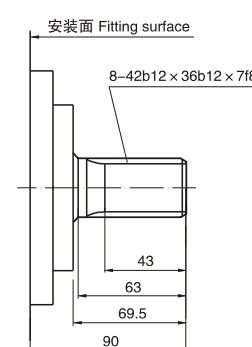


ZM6系列/ ZM6 Serie

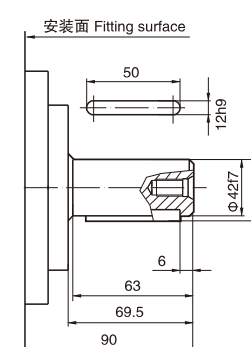
ZM6-400~750 外形及安裝尺寸/ ZM6-400~750 Installation Dimension



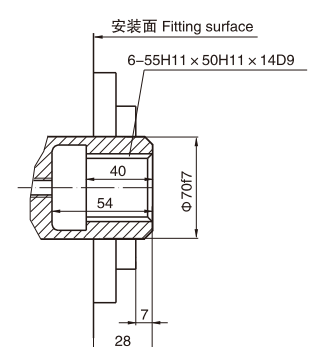
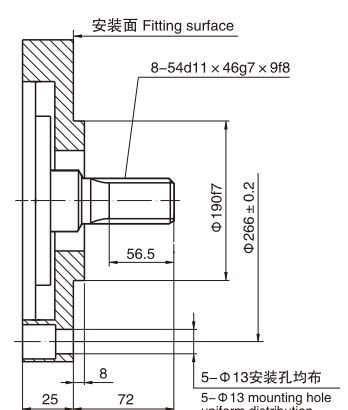
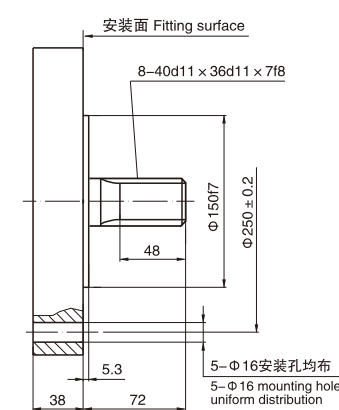
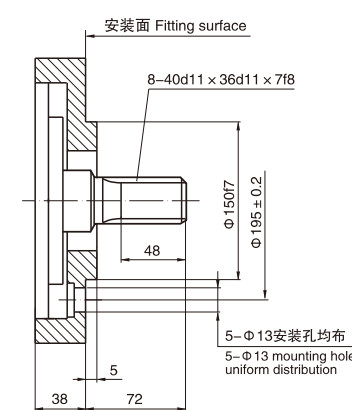
标准外花键 : ZM6-^{**}
Standard Involute Spline

ZM6-^{**}SL₂

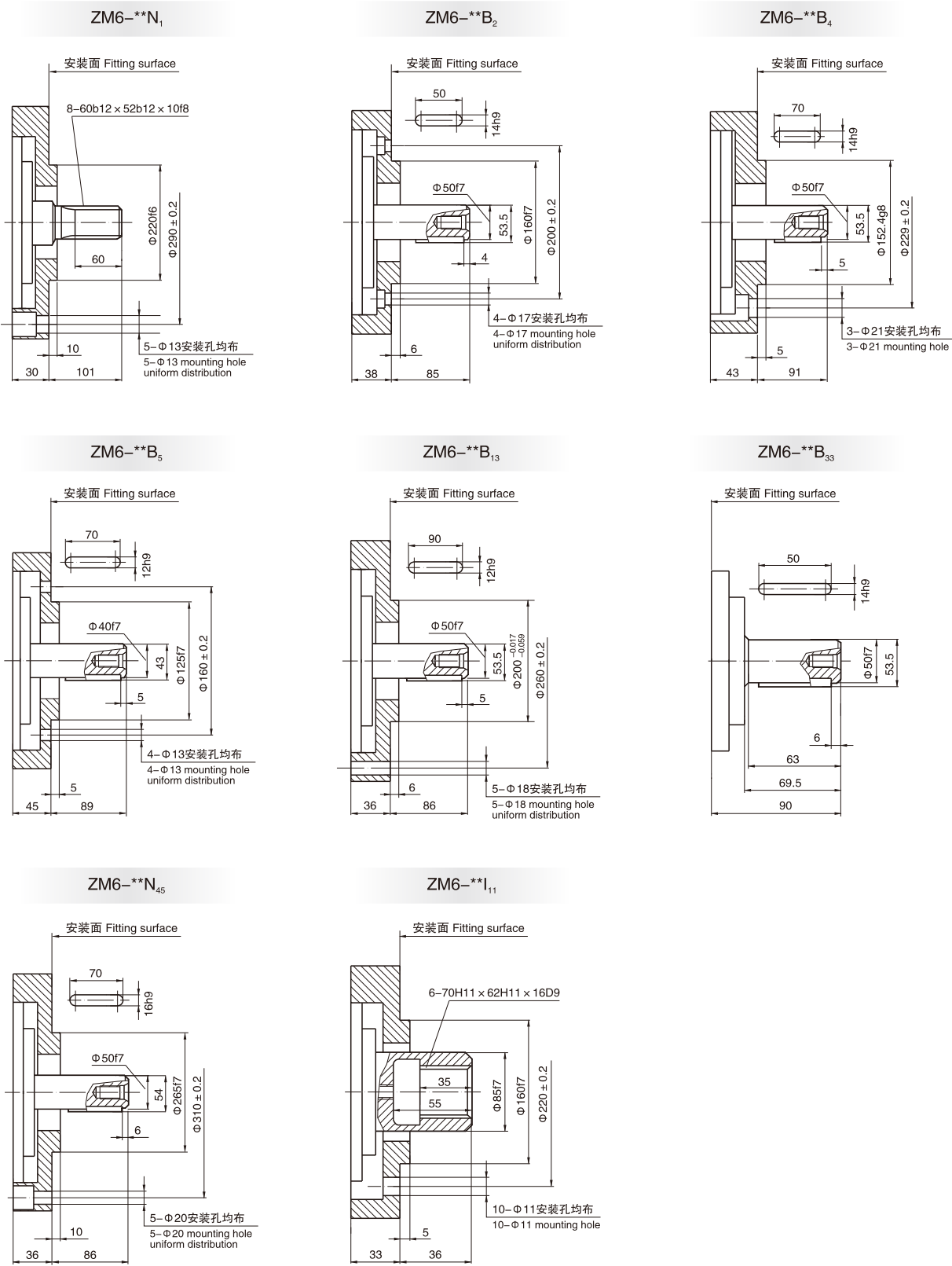
标准平键 : ZM6-**B
Standard Parallel Key

ZM6-^{**}SL₃

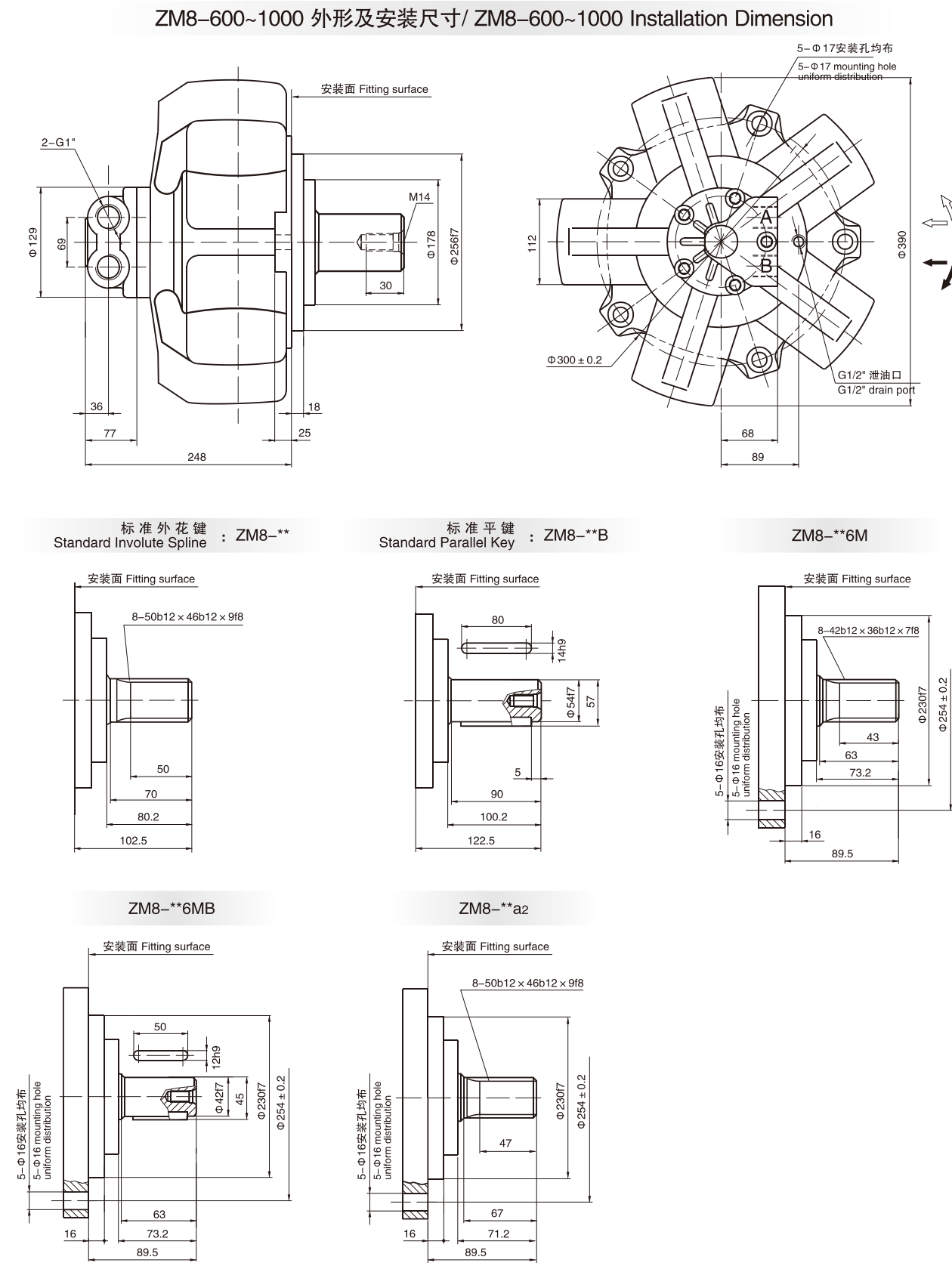
标准内花键 : ZM6-**I
Standard Female Spline

ZM6-^{**}N

ZM6系列/ ZM6 Serie

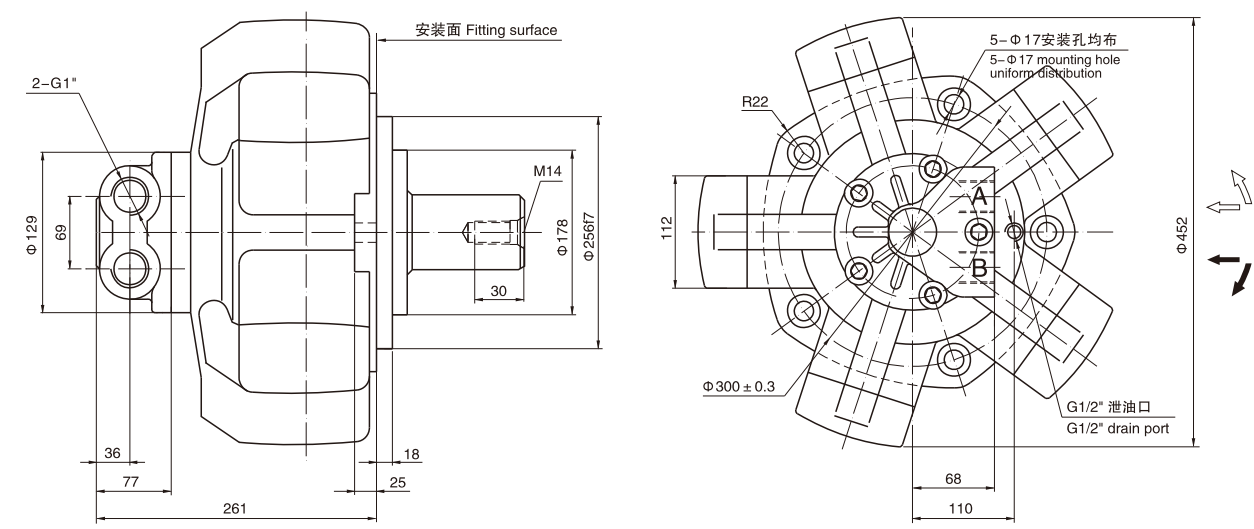


ZM8系列/ ZM8 Serie

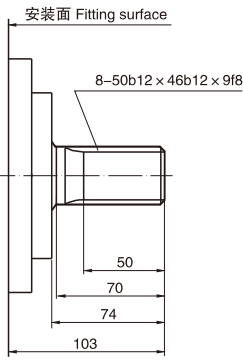


ZM11系列/ ZM11 Serie

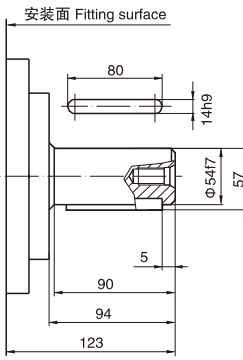
ZM11-700~1300 外形及安装尺寸/ ZM11-700~1300 Installation Dimension



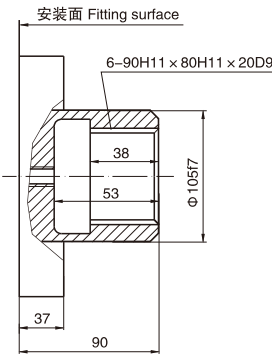
标准外花键 : ZM11-**
Standard Involute Spline : ZM11-**



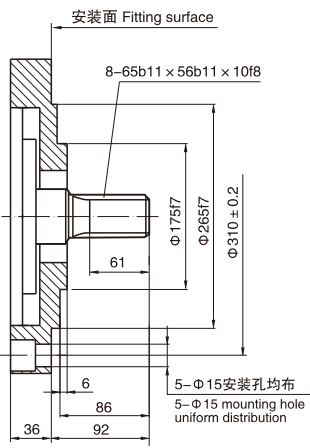
标准平键 : ZM11-**B
Standard Parallel Key : ZM11-**B



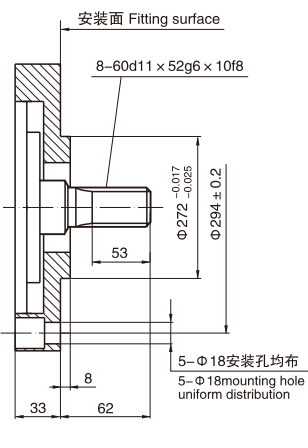
标准内花键 : ZM11-**I
Standard Female Spline : ZM11-**I



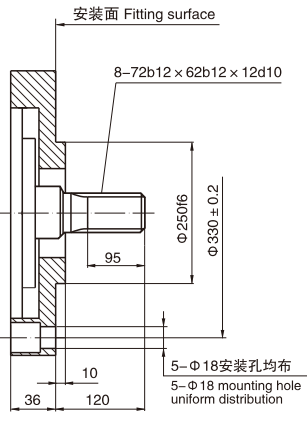
ZM11-**SL₅



ZM11-**N

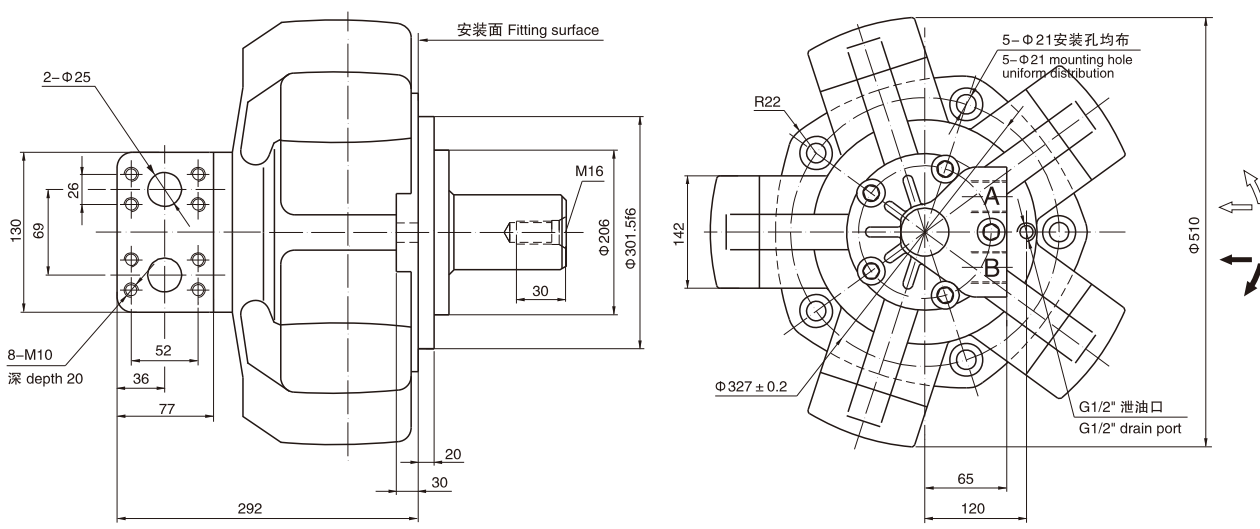


ZM11-**K

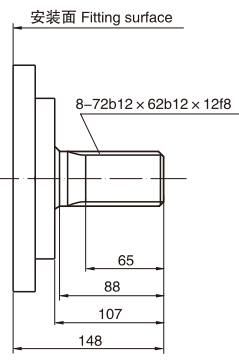


ZM16系列/ ZM16 Serie

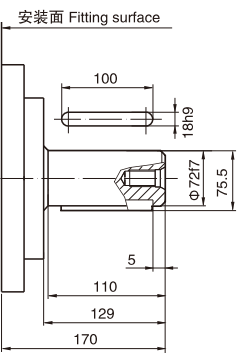
ZM16-1400~2400 外形及安装尺寸/ ZM16-1400~2400 Installation Dimension



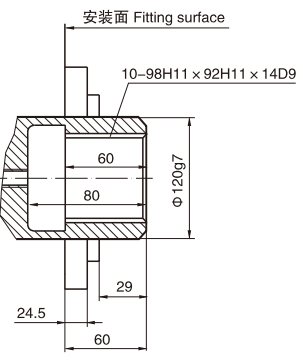
标准外花键 : ZM16-**
Standard Involute Spline : ZM16-**



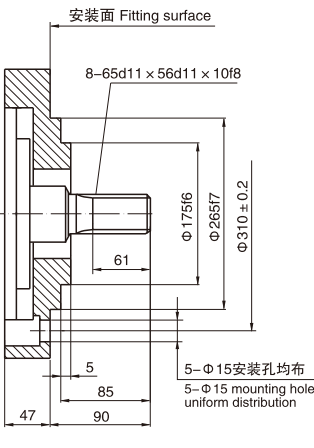
标准平键 : ZM16-**B
Standard Parallel Key : ZM16-**B



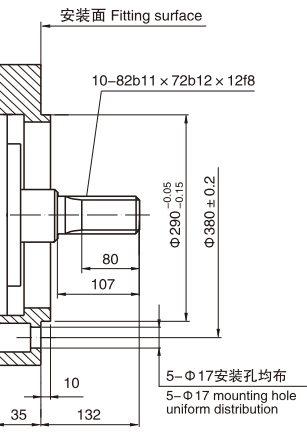
标准内花键 : ZM16-**I
Standard Female Spline : ZM16-**I



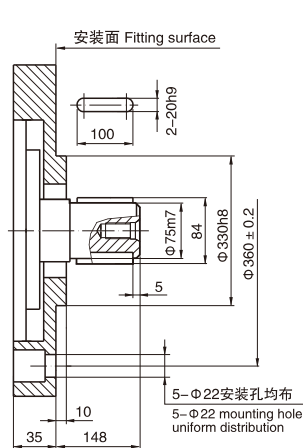
ZM16-**SL₅



ZM16-**N

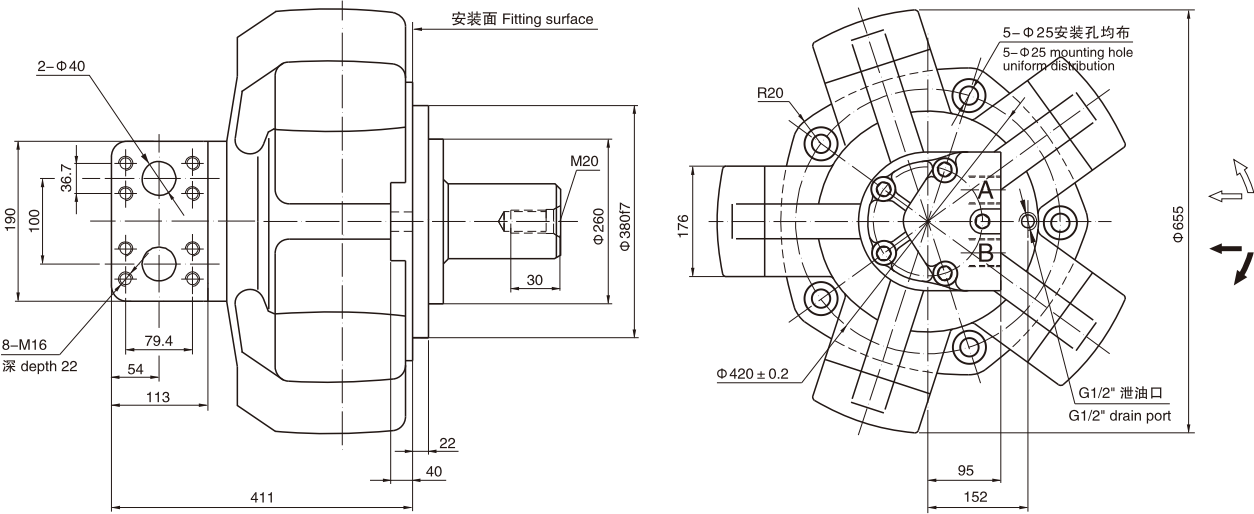


ZM16-**D

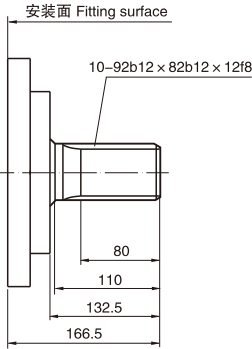


ZM31系列/ ZM31 Serie

ZM31-2500~5000 外形及安装尺寸/ ZM31-2500~5000 Installation Dimension

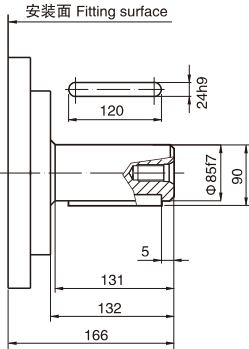


标准外花键 : ZM31-**
Standard Involute Spline



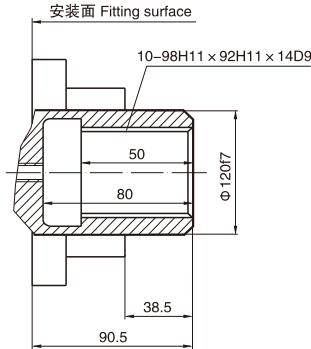
ZM31-**SL₇

标准平键 : ZM31-**B
Standard Parallel Key

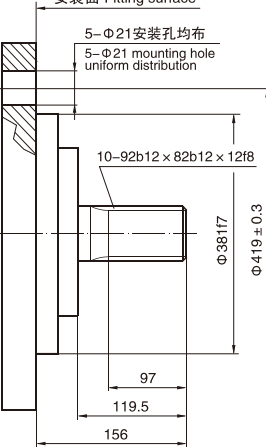
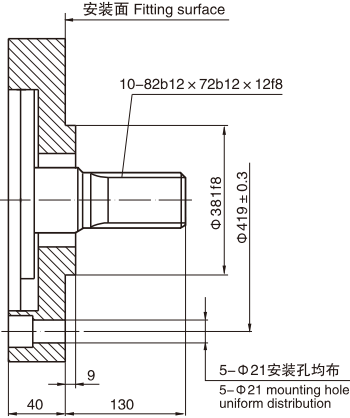
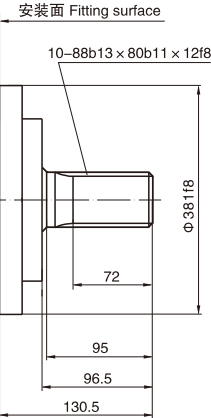


ZM31-**NST

标准内花键 : ZM31-**I
Standard Female Spline

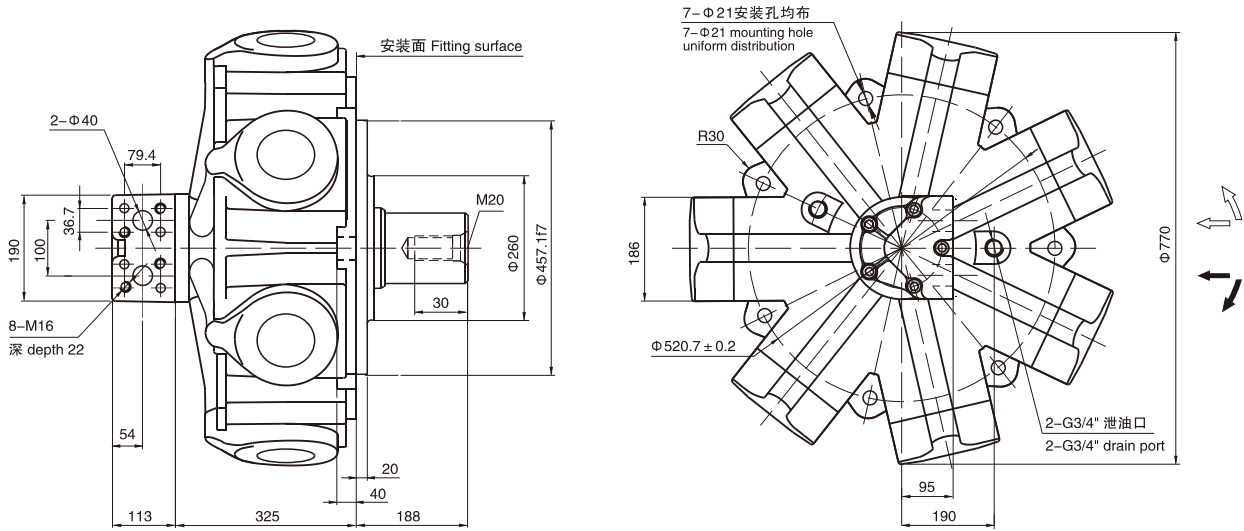


ZM31-**H6

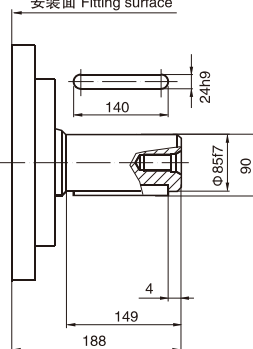


ZM70系列/ ZM70 Serie

ZM70-5000~7000 外形及安装尺寸/ ZM70-5000~7000 Installation Dimension

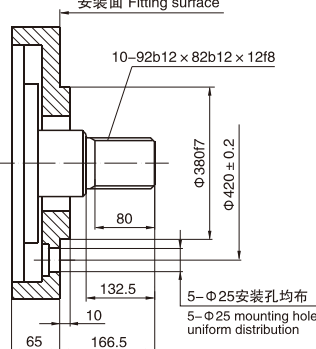


标准平键 : ZM70-**B
Standard Parallel Key

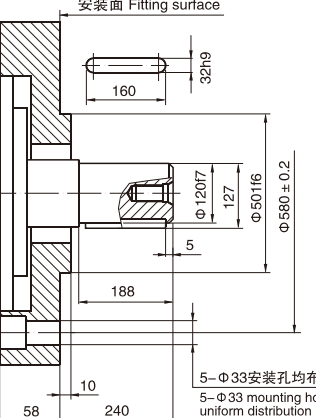
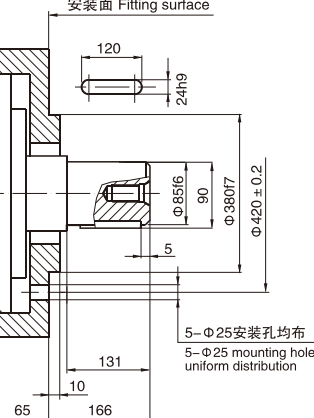


ZM70-**B₁

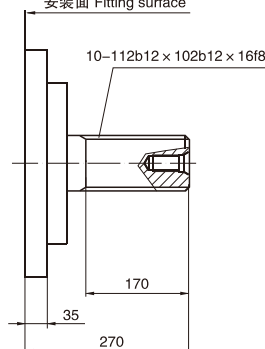
ZM70-**a₁



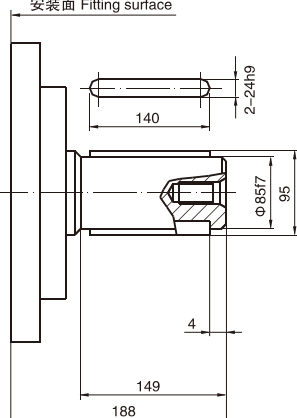
ZM70-**B₂



ZM70-**a₃



ZM70-**BC



ZGM系列/ ZGM Serie

产品特点/ Product Feature

ZGM 系列液压马达是本公司结合多年实践经验、在意大利技术基础上进行设计改进的一种新型产品。

ZGM 液压马达主要特点如下：

1、由于活塞与摆缸不存在侧向力，活塞底部设计成静压平衡，活塞与曲轴之间通过滚动轴承传递扭力，减少了传力过程中的摩擦损失，因而ZGM系列液压马达具有很高的机械效率，较高的起动扭矩（ 起动时机械效率0.92 以上 ）的特点。

2、平面配流器（专利技术）简单可靠，密封性能好，泄漏很少，活塞与摆缸之间用塑料活塞环密封无泄露，因而具有很高的容积效率（ 可达0.98 ）。

3、由于结构上减少了摩擦损失，提高了密封性能，因而低速稳定性很好，可以在1r/min 工况下平稳运转，调速范围大。

4、由于活塞与轴承套通过卡环贴牢不存在间隙，因而该系列液压马达可以作泵工况下运转。

5、该系列液压马达压力高，重量轻，体积小，比功率高。

6、由于结构简单，设计合理，采用负荷能力大的轴承，因而工作可靠，寿命长，噪音低，传动轴允许承受径向负荷，旋转方向可逆。

ZGM series hydraulic motor is a new type of product of our company, which based on years practical experience and designed and improved the original products on the basis of Italian technologies. ZGM hydraulic motor mainly has the following characteristics:

1. As the piston and the tilt cylinder have no side force ,the piston bottom is designed to be static pressure balance. The torsional force is transferring between the piston and the crankshaft through rolling bearing, so the friction loss during the transferring process of force is reduced. Therefore, ZGM series hydraulic motor has such features as: very high mechanical efficiency and comparatively high startup torque (mechanical efficiency of over 0.92 during startup).
2. The plane distributor (patented technology) is simple and reliable with perfect seal performance and almost no leakage. The plastic piston ring is used to seal between the piston and the tilt cylinder, so it has very high volumetric efficiency (can be as high as 0.98).
3. As the structure of this product has reduced friction loss and enhanced the seal performance, the product has perfect stability at low speed. It can stably run at 1r/min working condition and has big speed regulation range.
4. As the piston is jointed closely with bearing bushing without any clearance, this series of hydraulic motor can run at pump working condition.
5. This series of hydraulic motor has high pressure, light weight, small bulk and high specific power.
6. As this series hydraulic motor has simple structure, reasonable design and adopts bearing with big load ability, it can work reliably and has long life and low noise; the transmission shaft allows endure radial load and the rotational direction is reversible.

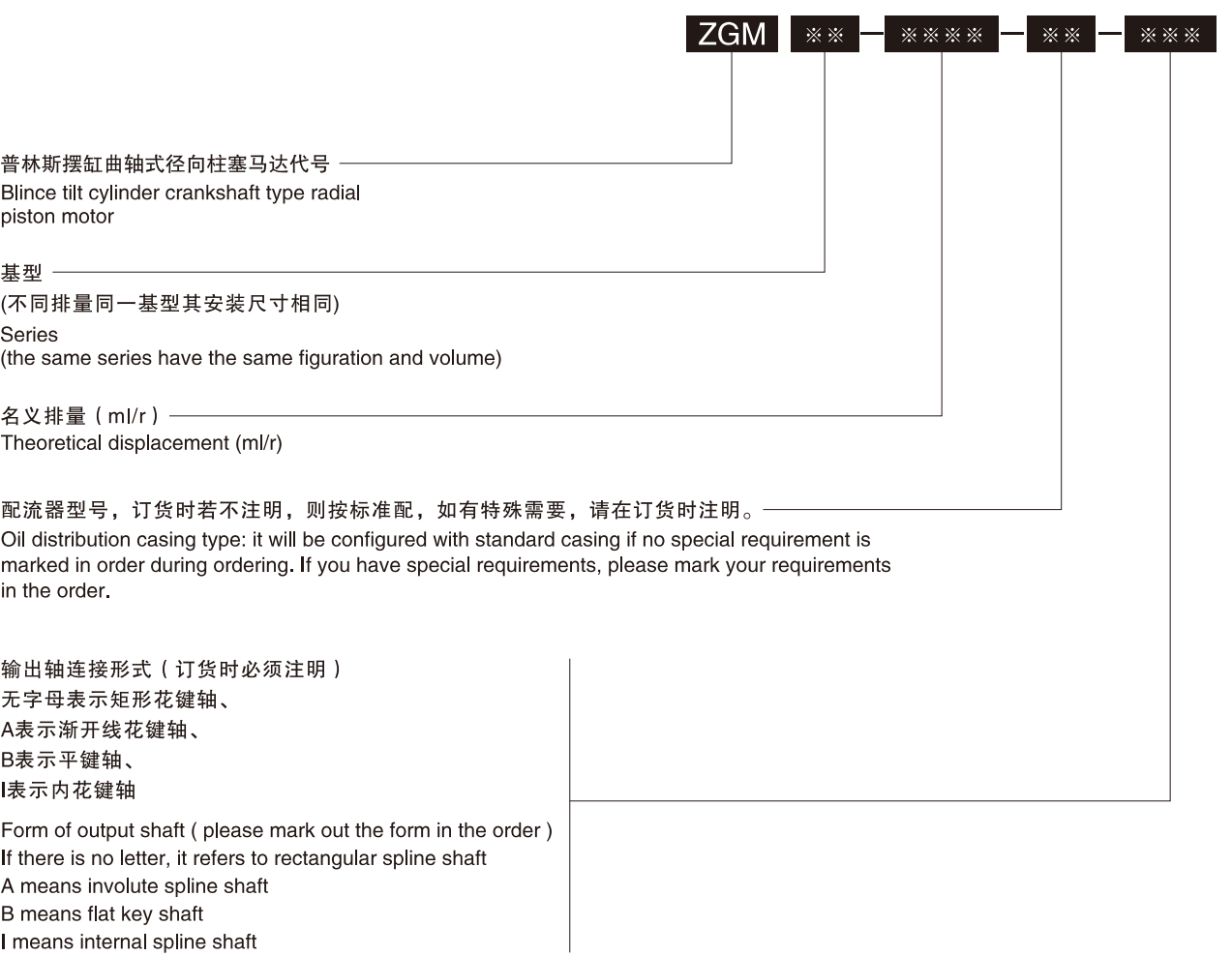
适用范围/ Applicable range

由于ZGM 系列液压马达具有上述一系列特点，因而它的适用范围广，可以在注塑机、轻工机械、工程机械、冶金设备、石油、煤矿、地质勘探、铁路、船舶、环保、机床、农机等各种机械的液压传动系统中应用。

As ZGM series hydraulic motor has the above characteristics, it has wide application range. it can be applied in the hydraulic transmission systems of various types of machinery in plastic injection machine, light industry machine, engineering machine, metallurgical equipment, petroleum, coal mine, geological prospecting, railway, ship, environment protection, machine tool and agricultural machine industries.

ZGM系列/ ZGM Serie

产品标识说明/ Ordering Code



型号举例/ Example of Model

ZGM2-420BD31表示基型为2系列ZGM液压马达，其名义排量为 425ml/r；输出轴为平键轴，配油器型号为 D31。订货时请按此填写完整的型号，若有特殊要求请在订货合同中详细说明。

ZGM2-420BD31 means the basic type is 2 series ZGM hydraulic motor, and it's theoretical displacement is 425ml/r; output shaft 's type is flat key shaft, the distributor 's type is D31. When you place an order, please fill in the complete model according to this form. If you have special requirements please give a detailed description in the order contract.

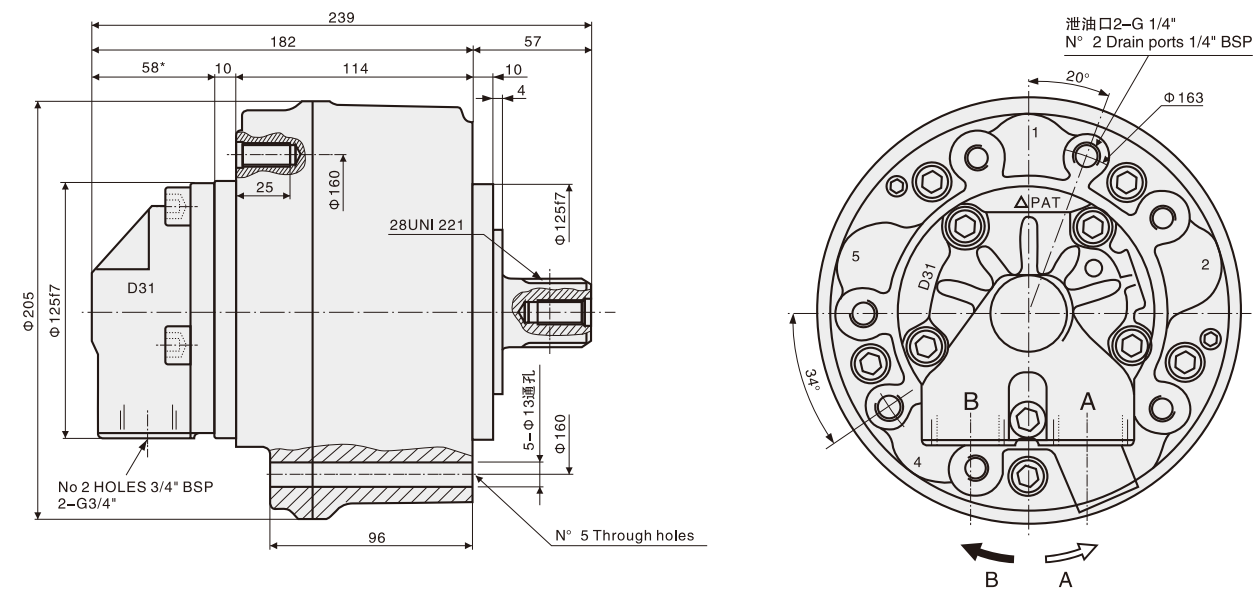
ZGM系列/ ZGM Serie

技术参数/ Technical data

型 号 Model	理论排量 Displacement (ml/r)	额定压力 Rated Pressure	尖峰压力 Peak Pressure	额定扭矩 Rated Torque	单位扭矩 Theoric Specific Torque	连续转速 Speed range	最高转速 Max.cont Speed	重量 Weight
	ml/r	Mpa	Mpa	N.m	N.m/Mpa	r/min	r/min	kg
ZGM05-60	59	25	31.5	235	9.4	1~700	1000	22
ZGM05-75	74	25	31.5	295	11.8	1~700	1000	
ZGM05-90	86	25	31.5	343	13.7	1~700	1000	
ZGM05-110	115	25	31.5	458	18.3	1~650	900	
ZGM05-130	129	25	31.5	513	20.5	1~650	900	
ZGM05-150	151	25	31.5	600	24	1~650	900	
ZGM05-170	166	25	31.5	660	26.4	1~600	800	
ZGM05-200	191	25	28	760	30.4	1~600	800	31
ZGM1-100	99	25	31.5	385	15.4	1~550	1000	
ZGM1-150	154	25	31.5	600	24	1~550	1000	
ZGM1-175	172	25	31.5	670	26.8	1~550	900	
ZGM1-200	201	25	31.5	785	31.4	1~550	800	
ZGM1-250	243	25	31.5	950	38	1~450	700	
ZGM1-300	290	25	31.5	1130	45.2	1~350	650	
ZGM1-320	314	25	28	1225	49	1~350	600	51
ZGM1-350	340	25	28	1350	54	1~350	600	
ZGM2-200	192	25	31.5	750	30	0.7~550	800	
ZGM2-250	251	25	31.5	980	39.2	0.7~550	800	
ZGM2-300	304	25	31.5	1188	47.5	0.7~500	750	
ZGM2-350	347	25	31.5	1355	54.2	0.7~500	3750	
ZGM2-420	425	25	31.5	1658	66.3	0.7~450	750	
ZGM2-500	493	25	31.5	1923	76.9	0.7~450	700	87
ZGM2-600	565	25	30	2208	88.3	0.7~450	700	
ZGM2-630	623	25	28	2433	97.3	0.7~400	650	
ZGM3-425	426	25	31.5	1660	66.4	0.5~500	650	
ZGM3-500	486	25	31.5	1895	75.8	0.5~450	600	
ZGM3-600	595	25	31.5	2320	92.8	0.5~450	575	
ZGM3-700	690	25	31.5	2700	108	0.5~400	500	
ZGM3-800	792	25	31.5	3100	124	0.5~400	500	120
ZGM3-900	873	25	31.5	3400	136	0.5~350	400	
ZGM3-1000	987	25	28	3850	154	0.5~300	350	
ZGM4-600	616	25	31.5	2403	96.1	0.4~400	550	
ZGM4-800	793	25	31.5	3100	124	0.4~350	550	
ZGM4-900	904	25	31.5	3525	141	0.4~325	450	
ZGM4-1000	1022	25	31.5	4000	160	0.4~300	400	
ZGM4-1100	1116	25	31.5	4350	174	0.4~275	400	175
ZGM4-1300	1316	25	28	5125	205	0.4~225	350	
ZGM5-800	807	25	31.5	3150	126	0.3~325	450	
ZGM5-1000	1039	25	31.5	4050	162	0.3~300	450	
ZGM5-1200	1185	25	31.5	4625	185	0.3~300	400	
ZGM5-1300	1340	25	31.5	5225	209	0.3~300	400	
ZGM5-1450	1462	25	31.5	5700	228	0.3~275	350	
ZGM5-1600	1634	25	31.5	6350	254	0.3~250	300	275
ZGM5-1800	1816	25	31.5	7075	283	0.3~250	300	
ZGM5-2000	2007	25	31.5	7825	313	0.3~200	250	
ZGM6-1700	1690	25	31.5	6600	264	0.2~250	400	
ZGM6-2100	2127	25	31.5	8300	332	0.2~225	350	
ZGM6-2500	2513	25	31.5	9800	392	0.2~200	300	
ZGM6-3000	3041	25	31.5	11875	475	0.2~175	250	

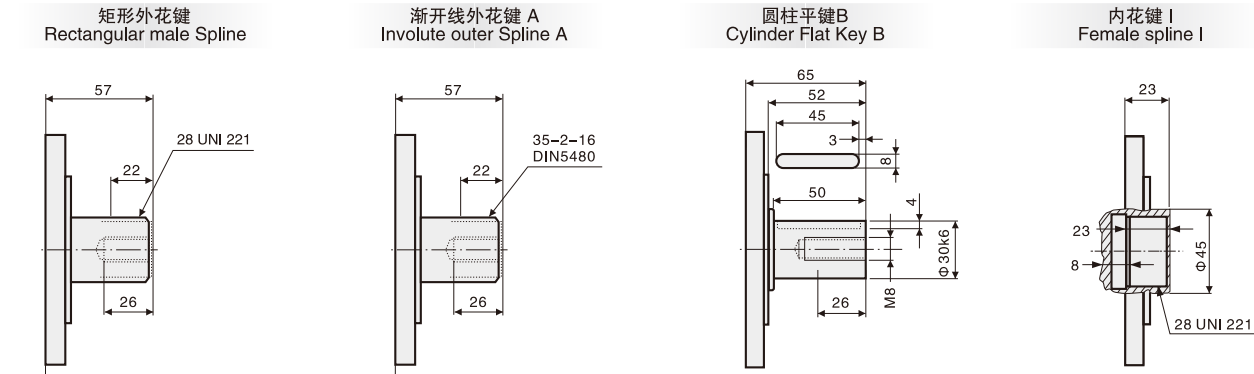
ZGM05系列/ ZGM05 Serie

ZGM05 外形及安装尺寸/ ZGM05 Installation Dimensions



配油器长度 D31=58mm; D40(标准)=77mm
Distributor lenght: D31=58mm; D40(standard)=77mm

ZGM05液压马达可完全替代GM05, INM05, XHS05
Ds05 can completely replace GM05, INM05,and XHS05.



花键参数/ Spline parameters

35-2-16 DIN5480

d0	$\Phi 32.0$
d1	$\Phi 35.0^{+0.520}_{+0}$ H14
d2	$\Phi 31.0^{+0.160}_{+0}$ H11
A	$\Phi 3.5$
da	$\Phi 27.711$ H11
d3	$\Phi 34.6^{+0}_{-0.160}$ h11
d4	$\Phi 30.6^{+0}_{-0.520}$ h14
B	$\Phi 4.0$
db	$\Phi 39.000$ f8

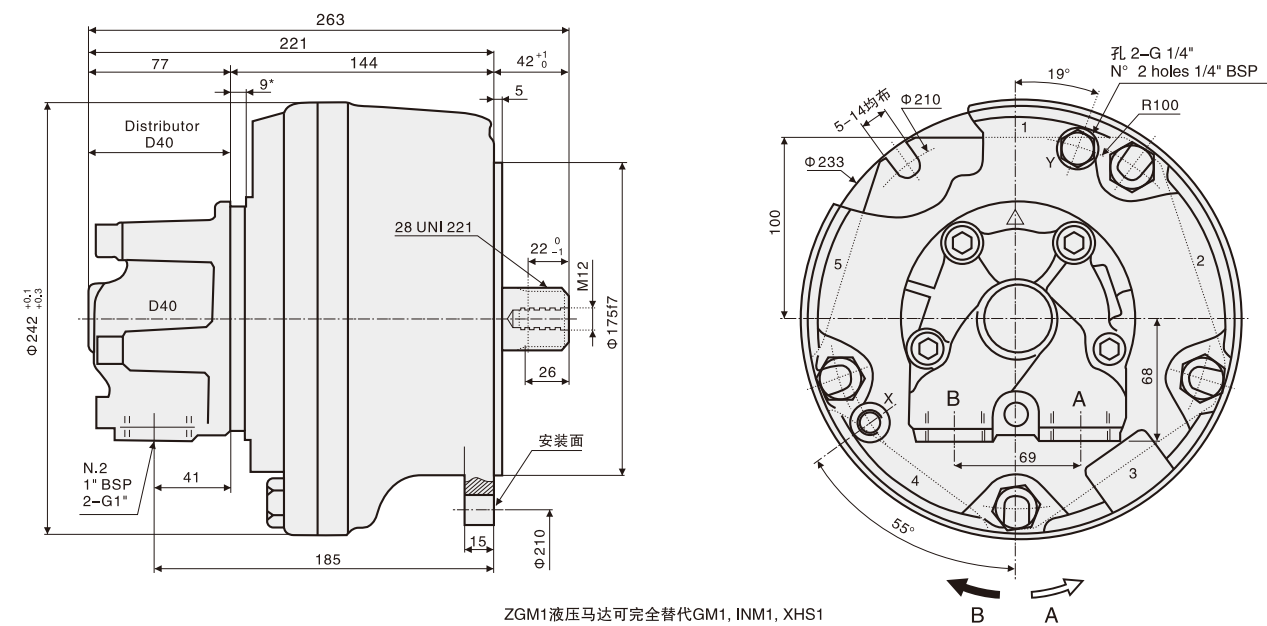
28 UNI 221(6-28-34)DIN5463

d1	$\Phi 28.0^{+0.021}_{+0}$ H7
d2	$\Phi 34.1^{+0.016}_{+0}$ H11
A	$7.0^{+0.028}_{+0.013}$ F7
d3	$\Phi 28.0^{+0.007}_{-0.020}$ g6
d4	$\Phi 34.0^{+0.085}_{-0.160}$ h14
B	$7.0^{+0.013}_{-0.026}$ f7

联轴器 Couplings

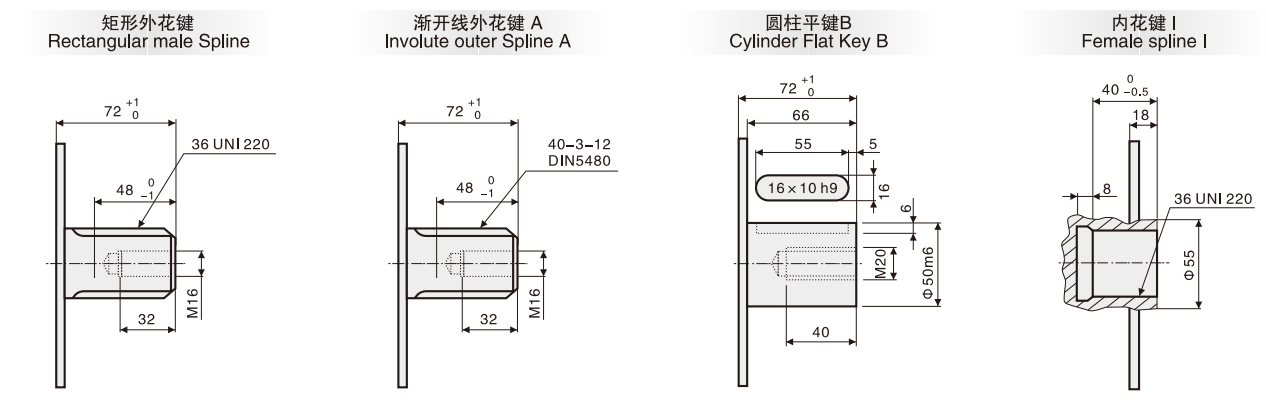
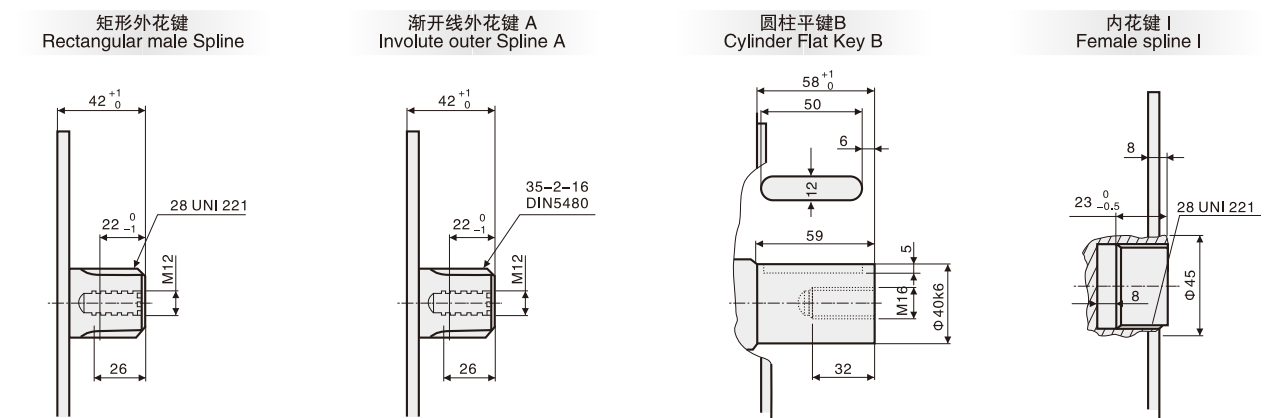
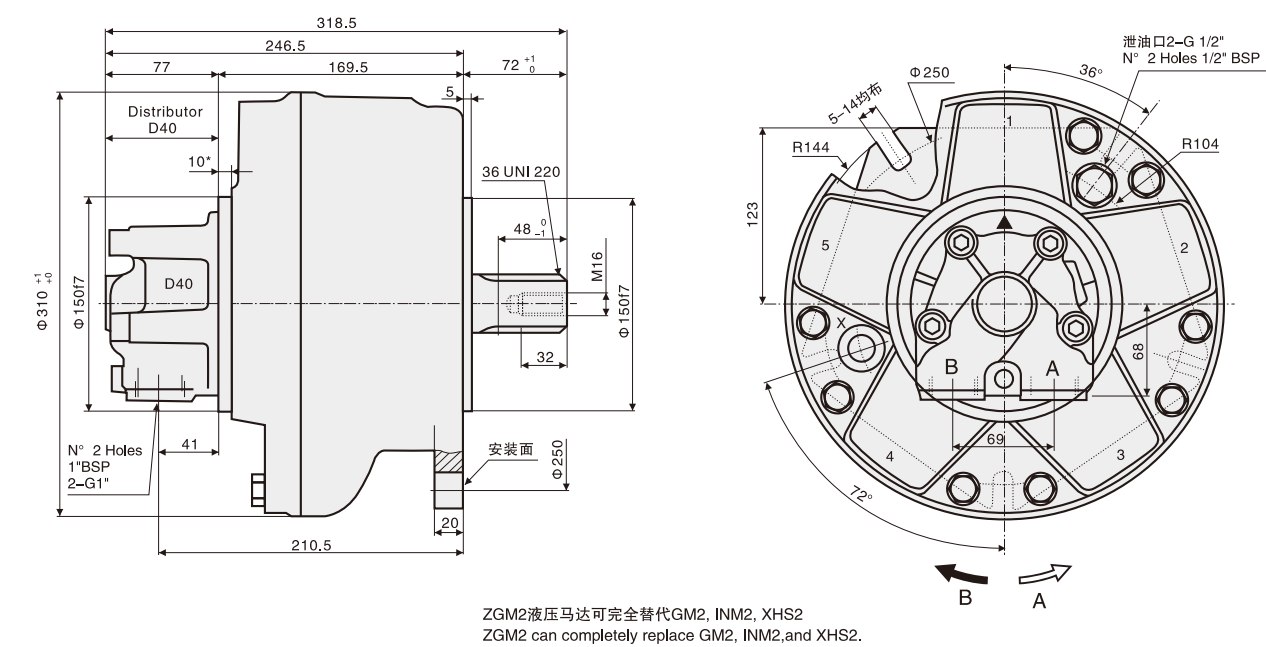
ZGM1系列/ ZGM1 Serie

ZGM1 外形及安装尺寸/ ZGM1 Installation Dimensions

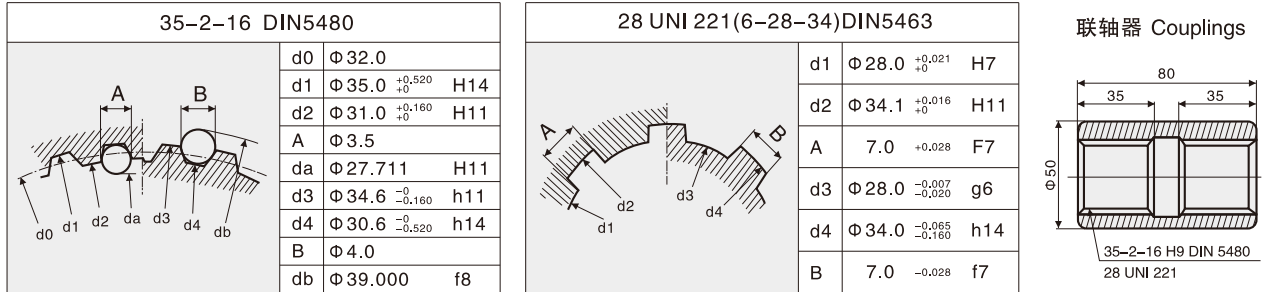


ZGM2系列/ ZGM2 Serie

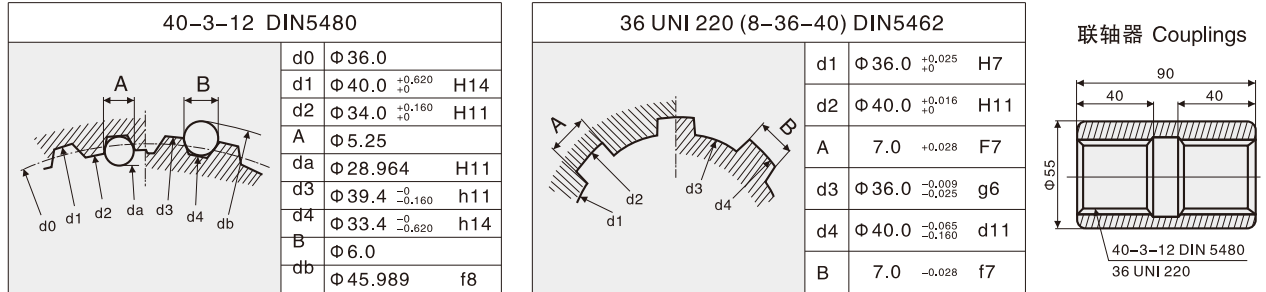
ZGM2 外形及安装尺寸/ ZGM2 Installation Dimensions



花键参数/ Spline parameters

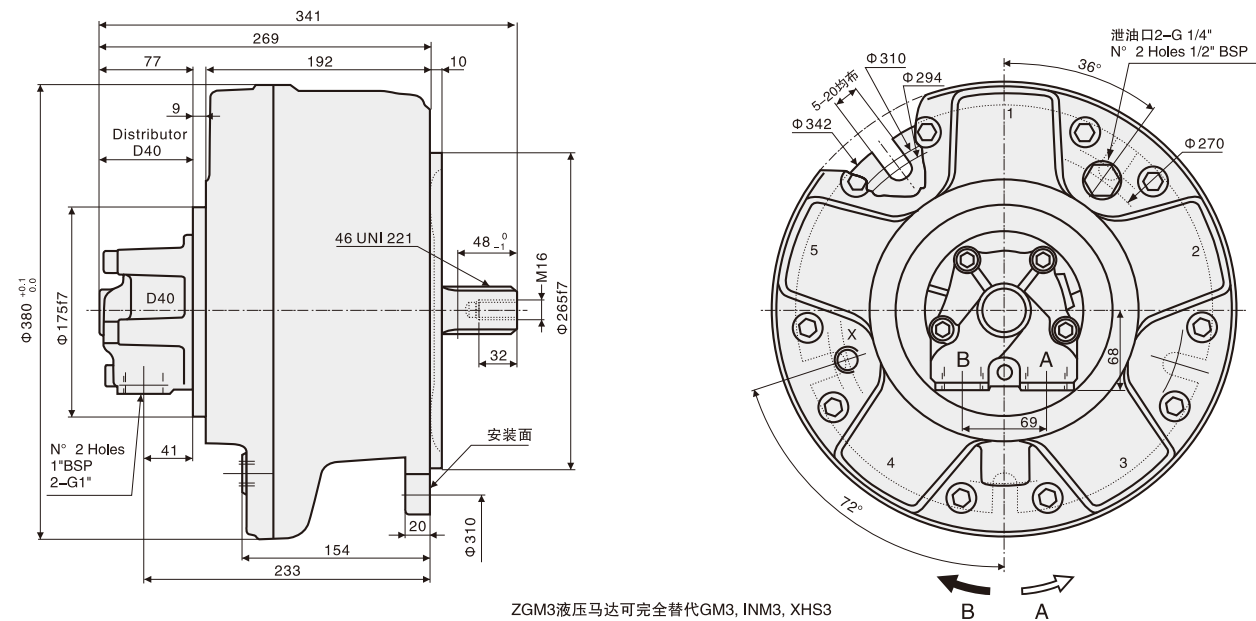


花键参数/ Spline parameters



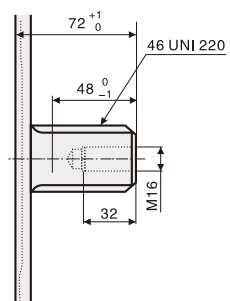
ZGM3系列/ ZGM3 Serie

ZGM3 外形及安裝尺寸/ ZGM3 Installation Dimensions

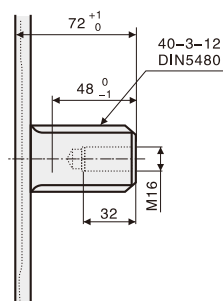


ZGM3液压马达可完全替代GM3, INM3, XHS3
ZGM3 can completely replace GM3, INM3, and XHS3.

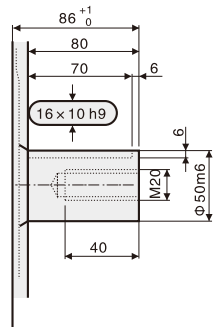
矩形外花键
Rectangular male Spline



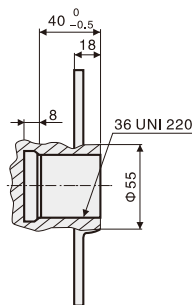
渐开线外花键 A
Involute outer Spline A



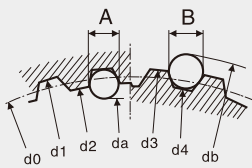
圆柱平键B
Cylinder Flat Key B



内花鍵 I
Female spline I

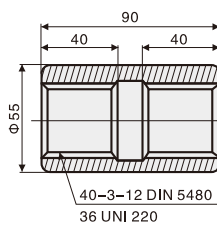


花键参数/ Spline parameters

40-3-12 DIN5480				
	d0	Φ 36.0		
	d1	Φ 40.0	$+0.620$ $+0$	H14
	d2	Φ 34.0	$+0.160$ $+0$	H11
	A	Φ 5.25		
	da	Φ 28.964		H11
	d3	Φ 39.4	-0.160 -0	h11
	d4	Φ 33.4	-0.620 -0	h14
	B	Φ 6.0		
	db	Φ 45.989		f8

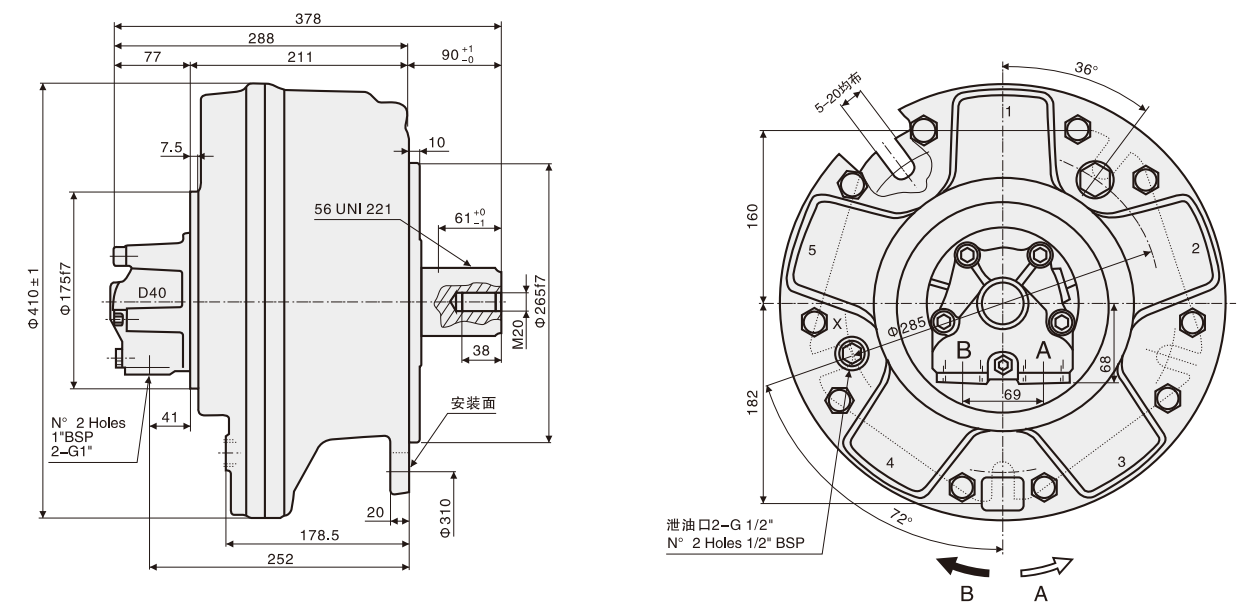
46 UNI 220 (8-46-54) DIN5462				
	d1	Φ 46.0	$+0.030$ $+0$	H7
	d2	Φ 54.0	$+0.190$ $+0$	H11
	A	9.0	$+0.028$	F7
	d3	Φ 46.0	-0.009 -0.025	g6
	d4	Φ 54.0	-0.100 -0.290	d11
	B	7.0	-0.028	f7

联轴器 Couplings



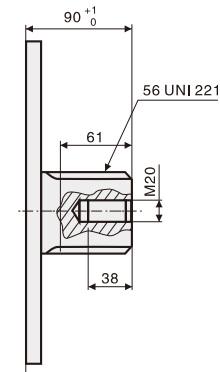
ZGM4系列/ ZGM4 Serie

ZGM4 外形及安装尺寸/ ZGM4 Installation Dimensions

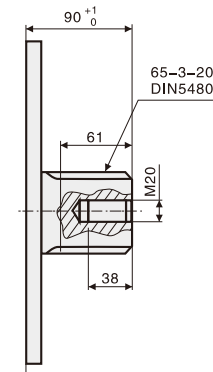


ZGM4液压马达可完全替代GM4, INM4, XHS4
ZGM4 can completely replace GM4, INM4, and XHS4.

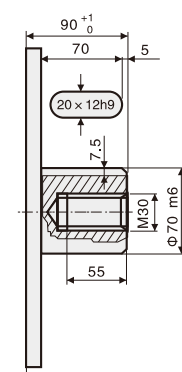
矩形外花键
Rectangular male Spline



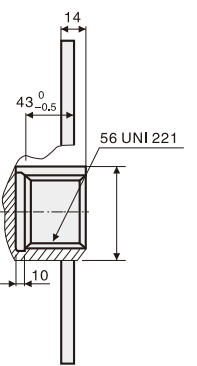
渐开线外花键 A
Involute outer Spline A



圓柱平鍵B
Cylinder Flat Key B



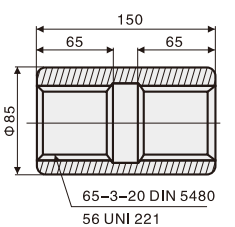
内花键 I
Female spline I



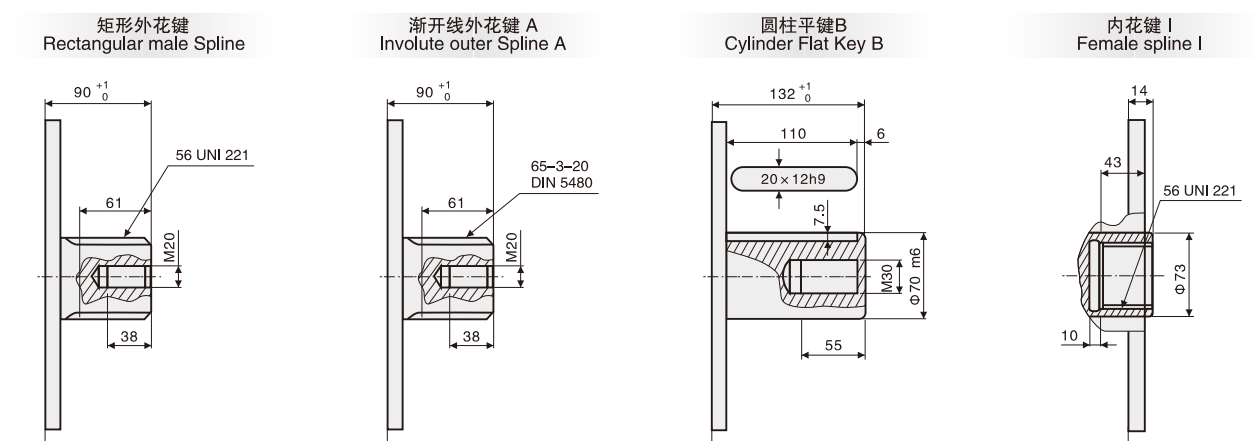
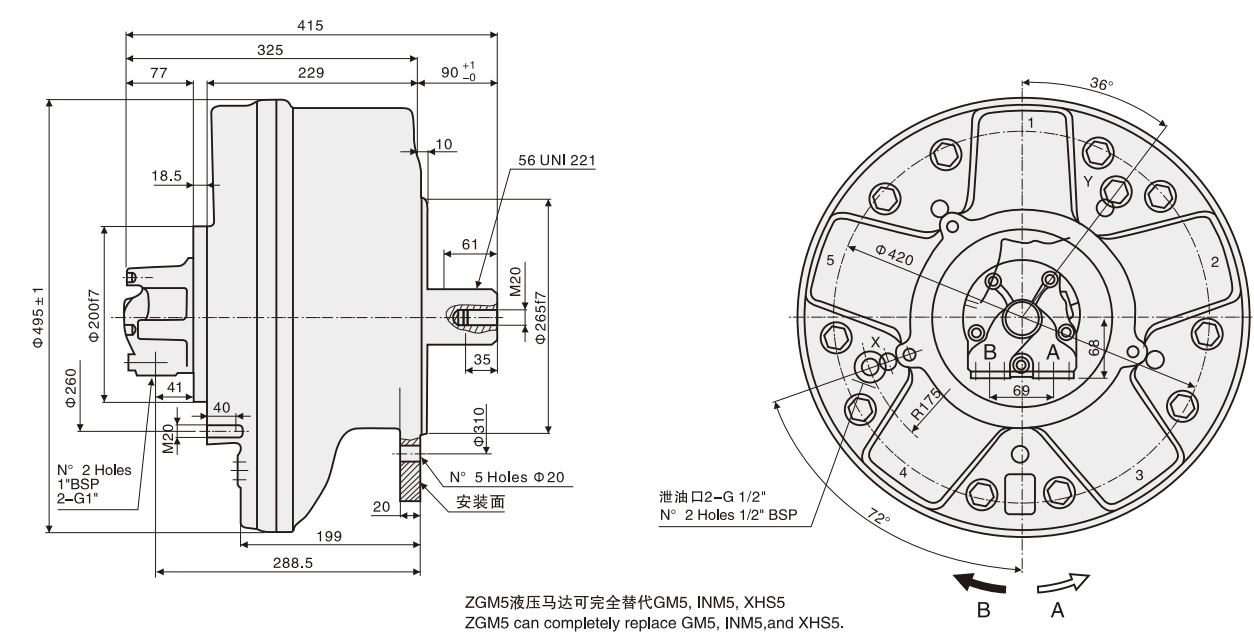
花键参数/ Spline parameters

DIN		65-3-20 DIN5480	55-3-26 DIN5428	55-3-17 DIN5428	56 UNI 221(10-56-65 DIN 5428)
	d0	Φ 60.0	Φ 52.0	Φ 51.0	d1 Φ 56.0 ^{+0,030} / ₊₀ H7
	d1	Φ 65.0 ^{+0,740} / ₊₀ H14	Φ 55.0 ^{+0,300} / ₊₀ H12	Φ 55.0 ^{+0,740} / ₊₀ H14	d2 Φ 65.0 ^{+0,190} / ₊₀ H11
	d2	Φ 59.0 ^{+0,190} / ₊₀ H11	Φ 50.0 ^{+0,160} / ₊₀ H11	Φ 49.0 ^{+0,160} / ₊₀ H11	A 10.0 ^{-0,028} / _{+0,013} F7
	A	Φ 5.25	Φ 3.5	Φ 5.25	d3 Φ 56 ^{-0,010} / _{-0,025} g6
	da	Φ 54.101 H11	Φ 46.902 H10	Φ 43.807 H11	d4 Φ 65.0 ^{-0,100} / _{-0,190} H11
	d3	Φ 64.4 ^{-0,190} / _{-0,190} h11	Φ 54.5 ^{-0,190} / _{-0,190} h11	Φ 54.4 ^{-0,190} / _{-0,190} h11	B 10 ^{-0,028} / _{-0,013} f7
	d4	Φ 58.4 ^{-0,740} / _{-0,740} h14	Φ 49.0 ^{-0,300} / _{-0,300} h12	Φ 48.4 ^{-0,620} / _{-0,620} h14	
	B	Φ 6.0	Φ 3.5	Φ 6.0	
	db	Φ 70.999 f8	Φ 56.953 e9	Φ 60.873 f8	

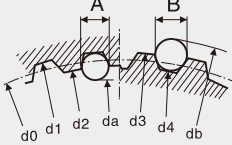
联轴器 Couplings



ZGM5 外形及安装尺寸/ ZGM5 Installation Dimensions



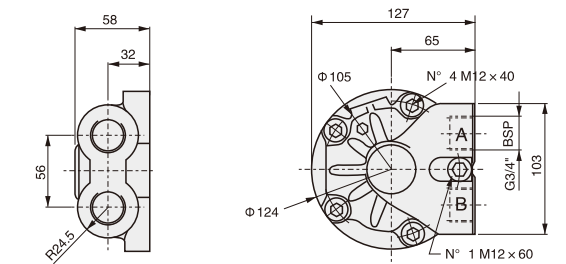
花键参数/ Spline parameters

DIN	65-3-20 DIN5480	55-3-26 DIN5428	55-3-17 DIN5428	56 UNI 221(10-56-65 DIN 5428)
	d0 $\Phi 60.0$	$\Phi 52.0$	$\Phi 51.0$	d1 $\Phi 56.0^{+0.030}_{+0}$ H7
	d1 $\Phi 65.0^{+0.740}_{+0}$ H14	$\Phi 55.0^{+0.300}_{+0}$ H12	$\Phi 55.0^{+0.740}_{+0}$ H14	d2 $\Phi 65.0^{+0.190}_{+0}$ H11
	d2 $\Phi 59.0^{+0.190}_{+0}$ H11	$\Phi 50.0^{+0.160}_{+0}$ H11	$\Phi 49.0^{+0.160}_{+0}$ H11	A $10.0^{+0.028}_{+0.013}$ F7
	A $\Phi 5.25$	$\Phi 3.5$	$\Phi 5.25$	d3 $\Phi 56^{-0.010}_{-0.029}$ g6
	da $\Phi 54.101$ H11	$\Phi 46.902$ H10	$\Phi 43.807$ H11	d4 $\Phi 65.0^{+0.100}_{+0.190}$ H11
	d3 $\Phi 64.4^{-0.190}_{-0.190}$ h11	$\Phi 54.5^{-0.190}_{-0.190}$ h11	$\Phi 54.4^{-0.190}_{-0.190}$ h11	B $10^{-0.013}_{-0.028}$ f7
	d4 $\Phi 58.4^{-0.740}_{+0}$ h14	$\Phi 49.0^{-0.300}_{+0}$ h12	$\Phi 48.4^{-0.620}_{-0.620}$ h14	
	B $\Phi 6.0$	$\Phi 3.5$	$\Phi 6.0$	
	db $\Phi 70.999$ f8	$\Phi 56.953$ e8	$\Phi 60.873$ f8	
UIN				
				

联轴器 Couplings

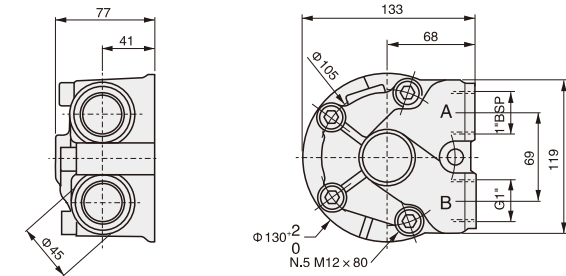
The diagram illustrates a coupling assembly with two shafts. The total length of the assembly is 150. Each shaft has a length of 65. The shaft diameter is 0.85. The coupling is labeled 65-3-20 DIN 5480 and 56 UNI 221.

D31
D31通油盘，油孔为G3/4"
D31 distributor with 3/4" ports.

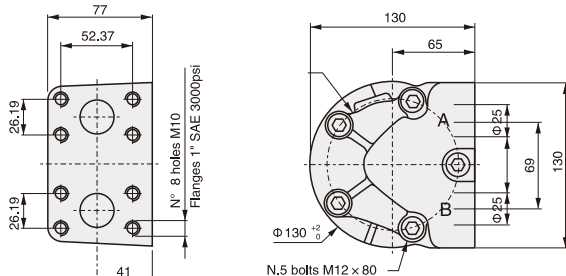


D310
与D31相同，油口为 G1"
重量: 4kg
Is the same as D31, oil port is G1"
Weight: 4kg

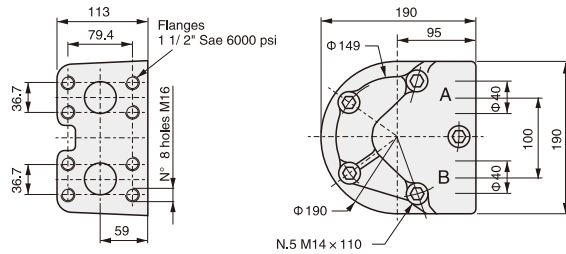
D40
标准配置用通油盘。
重量: 5kg
Standard distributor for motors.
Weight: 5kg



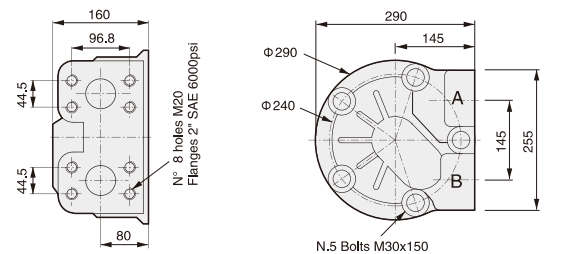
D47
油孔为Φ25 的法兰连接通油盘。
重量: 6kg
Distributor with SAE 1" 3000 psi flanges.
Weight: 6kg



D90
ZGM6, ZM31 系列标准通油盘。
重量: 14.5kg
Standard distributor for ZGM6, ZM31 series motors.
Weight: 14.5kg



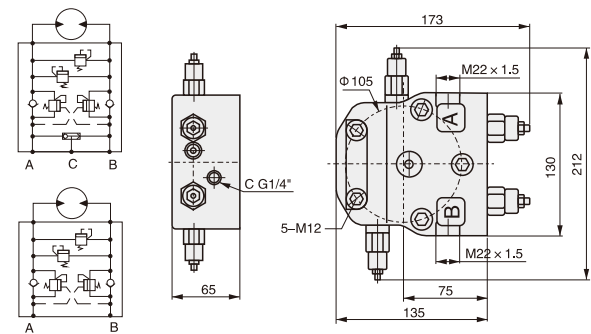
D250
大流量通油盘
重量: 50kg
High flow distributor
Weight: 50kg



集成式液压配流器/ Distributors with integration valve block

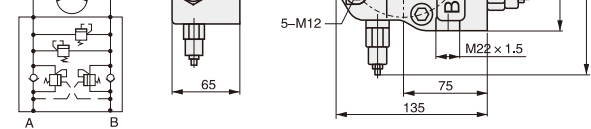
D60221
双向过载阀, 双向平衡阀
高压梭阀
最高设定压力35MPa
最大流量为60L/min

Bidirectional overload valve
Bidirectional counterbalance valve
High pressure shuttle valve
Maximum setting pressure is 35MPa
Maximum flow is 60L/min



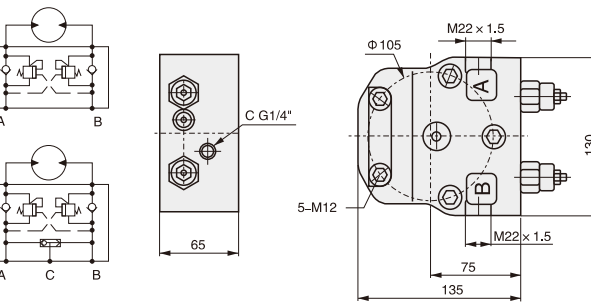
D6022
带双向过载阀, 双向平衡阀
最高设定压力35MPa
最大流量为60L/min

Bidirectional overload valve
Bidirectional counterbalance valve
Maximum setting pressure is 35MPa
Maximum flow is 60L/min



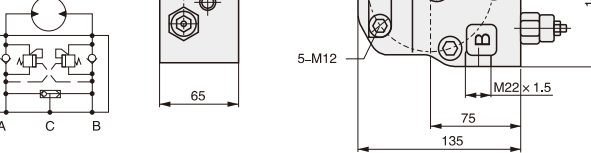
D602
双向平衡阀
最高设定压力35MPa
最大流量为60L/min

Bidirectional counterbalance valve
Maximum setting pressure is 35MPa
Maximum flow is 60L/min



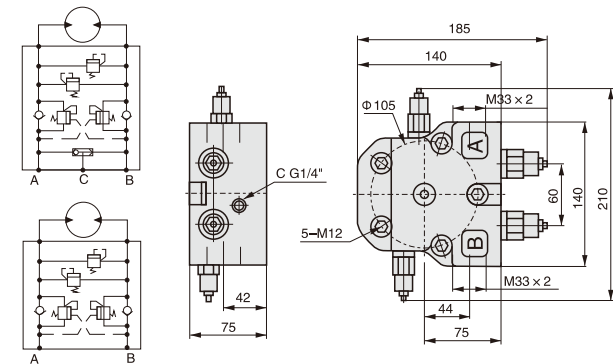
D60201
双向平衡阀
高压梭阀
最高设定压力35MPa
最大流量为60L/min

Bidirectional counterbalance valve
High pressure shuttle valve
Maximum setting pressure is 35MPa
Maximum flow is 60L/min



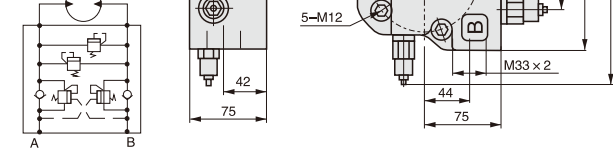
D120221
双向过载阀, 双向平衡阀
高压梭阀
最高设定压力35MPa
最大流量为120L/min

Bidirectional overload valve
Bidirectional counterbalance valve
High pressure shuttle valve
Maximum setting pressure is 35MPa
Maximum flow is 120L/min

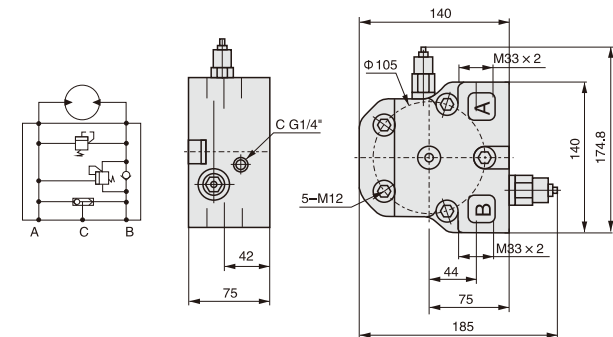


D12022
带双向过载阀, 双向平衡阀
最高设定压力35MPa
最大流量为120L/min

Bidirectional overload valve
Bidirectional counterbalance valve
Maximum setting pressure is 35MPa
Maximum flow is 120L/min



D120111
单向过载阀、单向平衡阀
高压梭阀
最高设定压力35MPa
最大流量为120L/min

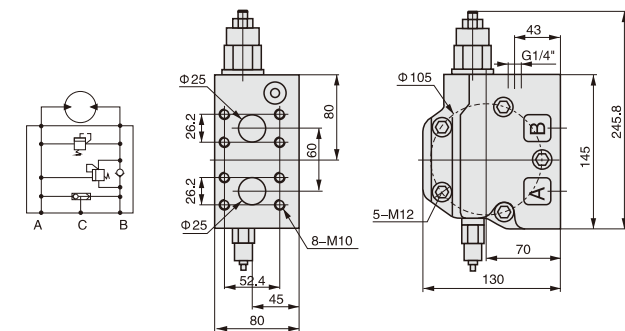


Single overload valve
Single counterbalance valve
High pressure shuttle valve
Maximum setting pressure is 35MPa
Maximum flow is 120L/min

集成式液压配流器/ Distributors with integration valve block

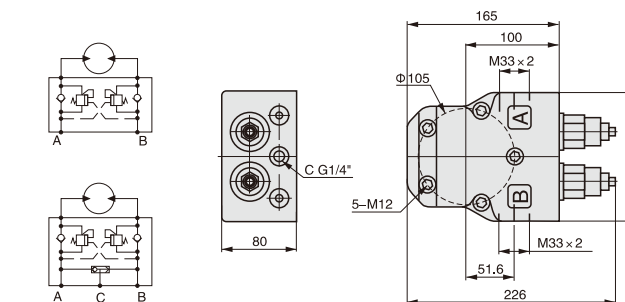
D240111
单向平衡阀及单向过载阀
高压梭阀
最高设定压力35MPa
最大流量为240L/min

Single overload valve
Single counterbalance valve
High pressure shuttle valve
Maximum setting pressure is 35MPa
Maximum flow is 240L/min



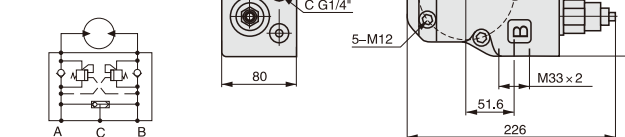
D2402
双向平衡阀
最高设定压力35MPa
最大流量为240L/min

Bidirectional counterbalance valve
Maximum setting pressure is 35MPa
Maximum flow is 240L/min



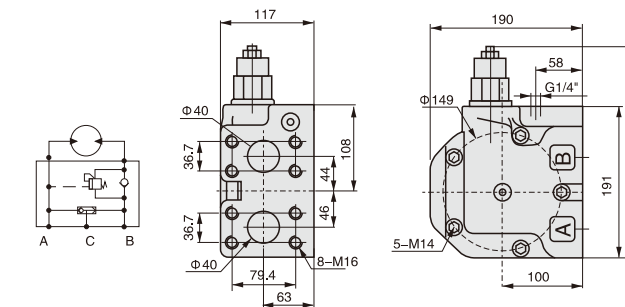
D240201
双向平衡阀
高压梭阀
最高设定压力35MPa
最大流量为240L/min

Bidirectional counterbalance valve
High pressure shuttle valve
Maximum setting pressure is 35MPa
Maximum flow is 240L/min



D480101
单向平衡阀
高压梭阀
最高设定压力35MPa
最大流量为480L/min

Single counterbalance valve
High pressure shuttle valve
Maximum setting pressure is 35MPa
Maximum flow is 480L/min



STFC系列/ STFC Serie

产品特点/ Product Feature

STFC系列液压马达在吸取了国内外曲轴连杆式液压马达静压平衡优点的基础上，经过不断试验、改进、提高而成。该系列马达壳体强度高，内部动态元件承载能力大。由于采用静压平衡的形式，减少了内部摩擦力，因此减少了热量产生以及与此相关的负面效应。

其主要特点如下：

- 由于柱塞、连杆、偏心套设计成静压平衡，减少了连杆与偏心套的摩擦力及柱塞体的侧向力，降低了球铰副的接触比压，这些均减少了传动过程中的摩擦损失。因而STFC系列液压马达具有高的机械效率及高的起动扭矩（起动时的机械效率0.90以上）的特点；
- 采用静压平衡技术的轴配流器，防止了配流器的倾斜，密封性能好，泄漏少，可在高压（最高压力可达29MPa）下进行连续工作；
- 密封环采用特殊材料及结构，减少了泄漏，提高了容积效率；
- 马达的主要传动件采用特殊材料和先进的热处理工艺，提高了整体使用寿命；
- 该系列马达的外形及安装尺寸与原装Staffa基本相同，性能参数与原装Staffa相近，是替代进口Staffa马达的理想选择。

由于STFC系列液压马达具有上述一系列特点，因而可广泛应用于塑料机械、船舶甲板机械、矿山建筑工程机械、起重运输设备、重型冶金机械、石油煤矿机械、机床、轻工设备、钻机等各种机械的液压传动系统中，特别使用于注塑机的螺杆驱动、提升绞盘、卷筒的驱动、各种回转机械的驱动等传动机械中。

STFC series' hydraulic motor is the achievement of our year's experience of hydrostatic balance technology. It features with higher intensity of casing and larger carrying capacity of internal dynamic components. Reduced internal friction, heat, and all negative effects are realized by hydrostatic balance technology.

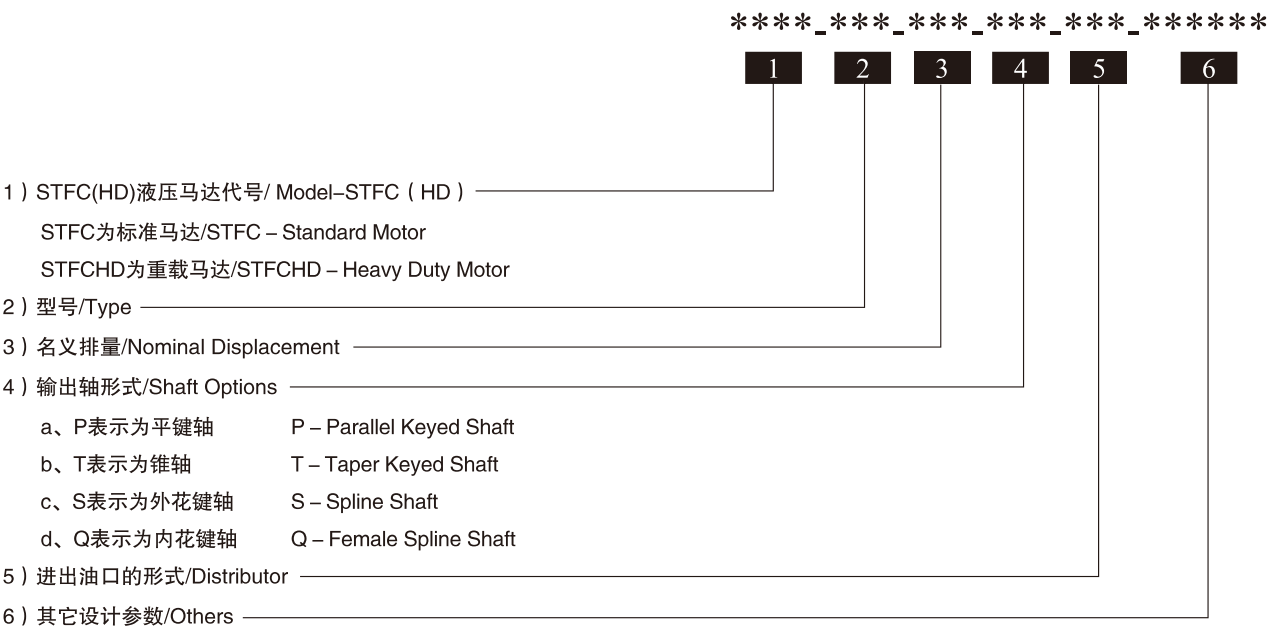
Main Characteristics:

- The hydrostatic balance built between the piston, con-rod and eccentric sets reduces the friction between con-rod and eccentric sets, and also reduce the lateral friction on pistons, and contact pressure on ball the socket, thus to reduce the friction loss while on load. With above, STFC series' motor features with high mechanical efficiency and starting torque (The Mechanical efficiency while starting is up to 90%);
- Hydrostatic balance shaft distributor prevents the shaft from tilting, thus to get excellent sealing, less leakage, and continuous running under high pressure(Max.pressure reaches to 29Mpa);
- Special materials and structure of seals reduce the leakage and improve the volumetric efficiency;
- Special materials and advanced treatment on main driving parts prolong the overall service life;
- Ideal replacement of STAFFA motor with interchangeable mounting and performance.

STFC series' motor is widely applied in all kinds of hydraulic transmission systems, such as plastic injection molding machines, deck machinery, construction machinery, hoist, transport vehicle, heavy metallurgical machinery, petroleum & mining machinery, light industrial equipments, drilling machinery, and so on.

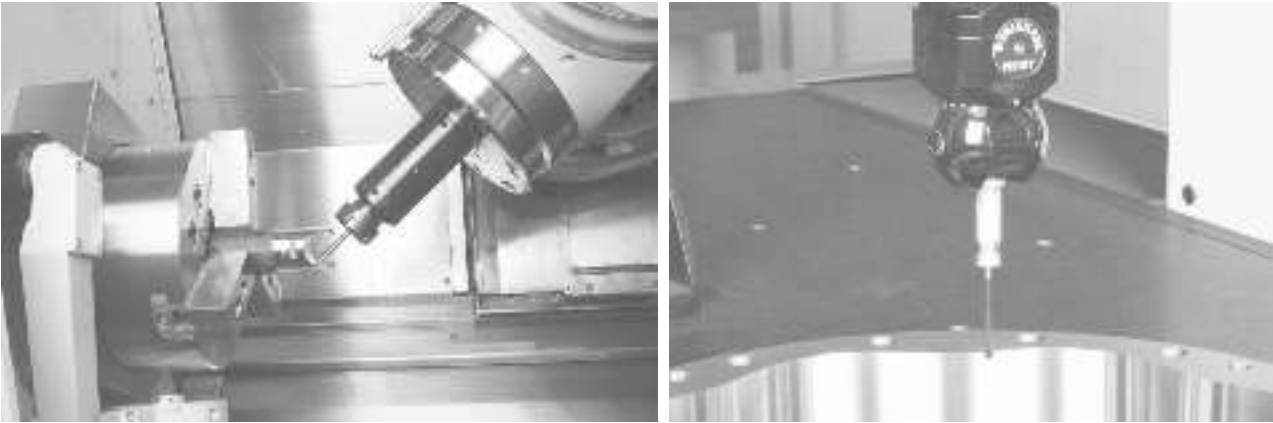
STFC系列/ STFC Serie

产品标识说明/ Ordering Code



型号举例/ Example of Model

STFC	270	4300	P71	F03	**
马达代号/ Model	STFC (HD)				
型号/ Type	270				
排量/ Displacement	4300ml/r				
轴/ Shaft	P71				
油口/ Distributor	F03				
其他/ Others					



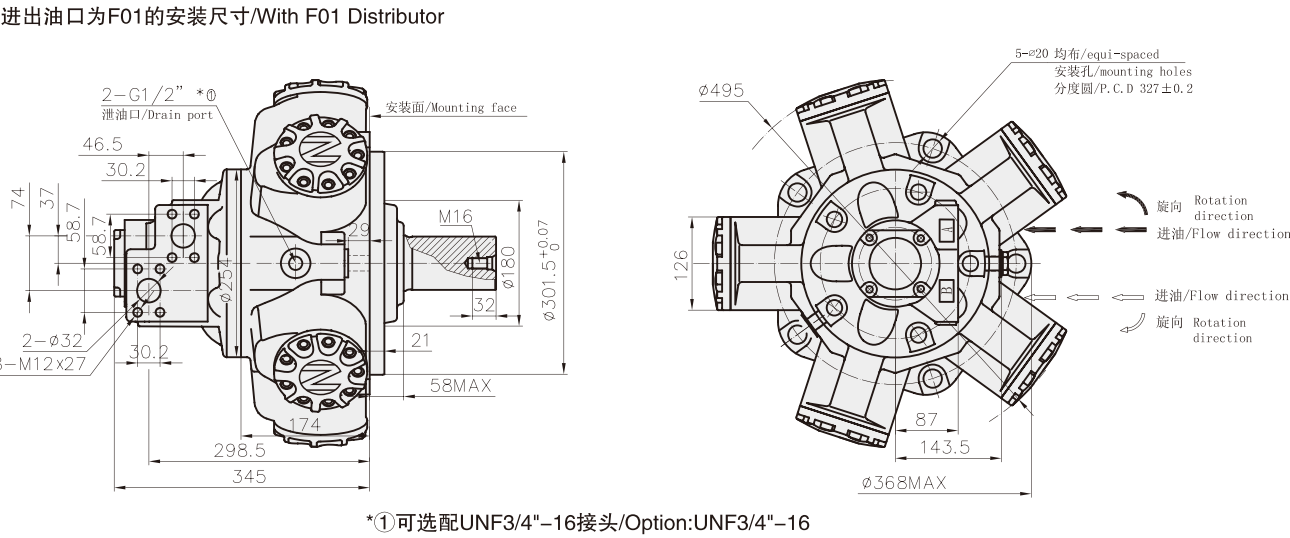
STFC系列/ STFC Serie

技术参数/ Technical Specification

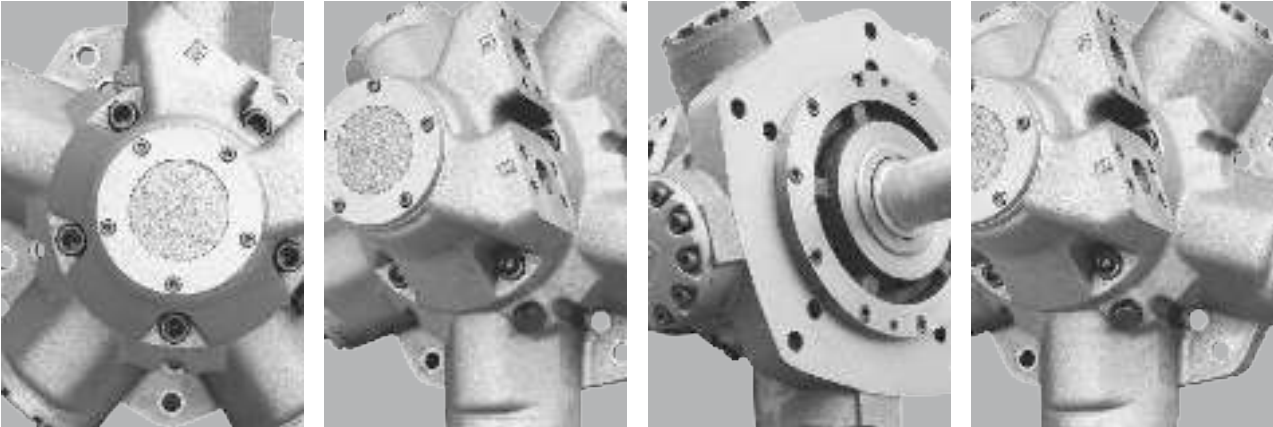
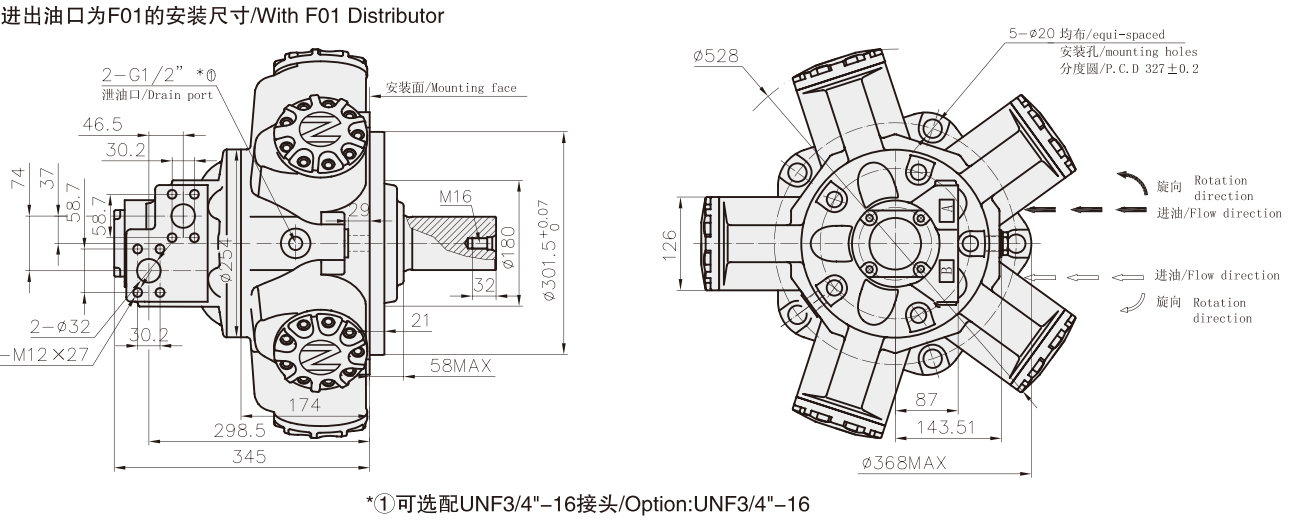
型 号 Model	理论排量 Theory Displacement	压力/Pressure		扭矩/Torque		最高转速 Max. Speed	额定功率 Rated Power	重量 Weight
		额定压力 Rated Pressure	尖峰压力 Max. Pressure	额定扭矩 Rated Torque	单位扭矩 Unit Torque			
		Mpa	Mpa	N.m	N.m/MPa			
STFC080-1000	988	23	29	3324	145	300	90	144
STFC080-1100	1088	23	29	3661	159	300	90	
STFC080-1250	1237	23	29	4162	181	280	90	
STFC080-1400	1385	23	29	4660	203	260	100	
STFC100-1600	1630	23	29	5484	238	240	100	144
STFC125-1400	1459	23	29	4909	213	300	95	235
STFC125-1600	1621	23	29	5454	237	270	95	
STFC125-1800	1864	23	29	6271	273	235	95	
STFC125-2000	2050	23	29	6820	297	220	95	
STFC200-2400	2432	23	29	8182	356	220	120	285
STFC200-2800	2757	23	29	9276	403	195	120	
STFC200-3100	3080	23	29	10362	451	175	120	
STFC270-3300	3291	23	29	11072	481	160	130	
STFC270-3600	3575	23	29	12028	523	145	130	420
STFC270-4000	3973	23	29	13367	581	130	130	
STFC270-4300	4313	23	29	14511	631	120	130	
STFC325-4500	4538	23	29	15268	664	115	130	
STFC325-5000	4992	23	29	16795	730	105	130	430
STFC325-5400	5310	23	29	17865	777	100	130	
STFC400-5500	5510	23	29	18135	788	120	175	495
STFC400-6000	5996	23	29	19735	858	120	175	
STFC400-6500	6483	23	29	21337	928	120	175	
STFC400-6800	6807	23	29	22404	974	120	175	

STFC080/100系列/ STFC080/100 Serie

STFC080 外形及安装尺寸/ STFC080 Installation Dimensions

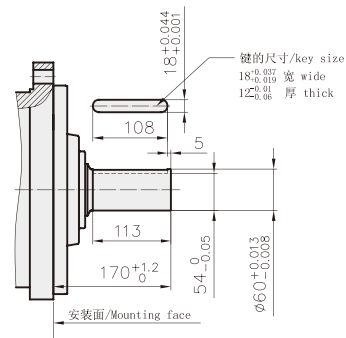


STFC100 外形及安装尺寸/ STFC100 Installation Dimensions

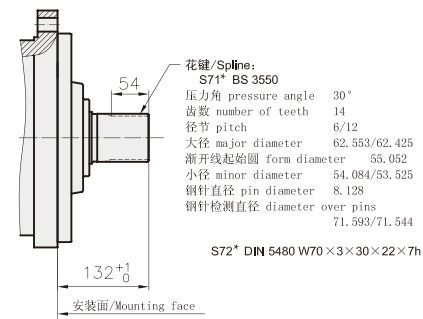


STFC080/100系列/ STFC080/100 Serie

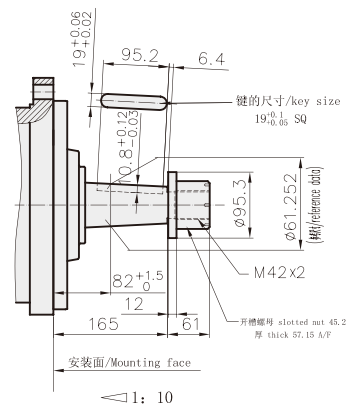
STFC080/STFC100-P72*



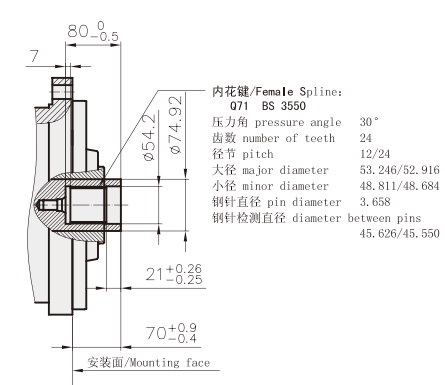
STFC080/STFC100-S71* &S72*



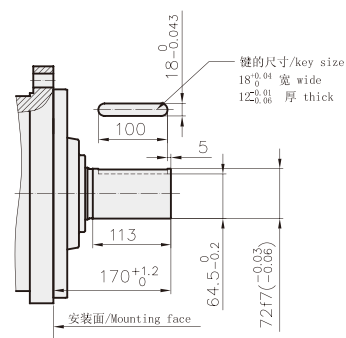
STFC080/STFC100-T71



STFC080/STFC100-Q71



STFC080/STFC100-P71



注释: 右上角带* 的轴为标准轴

如: P72* 为标准平键轴 S71*为标准花键轴

Notes: Shaft model with "*" is the standard shaft

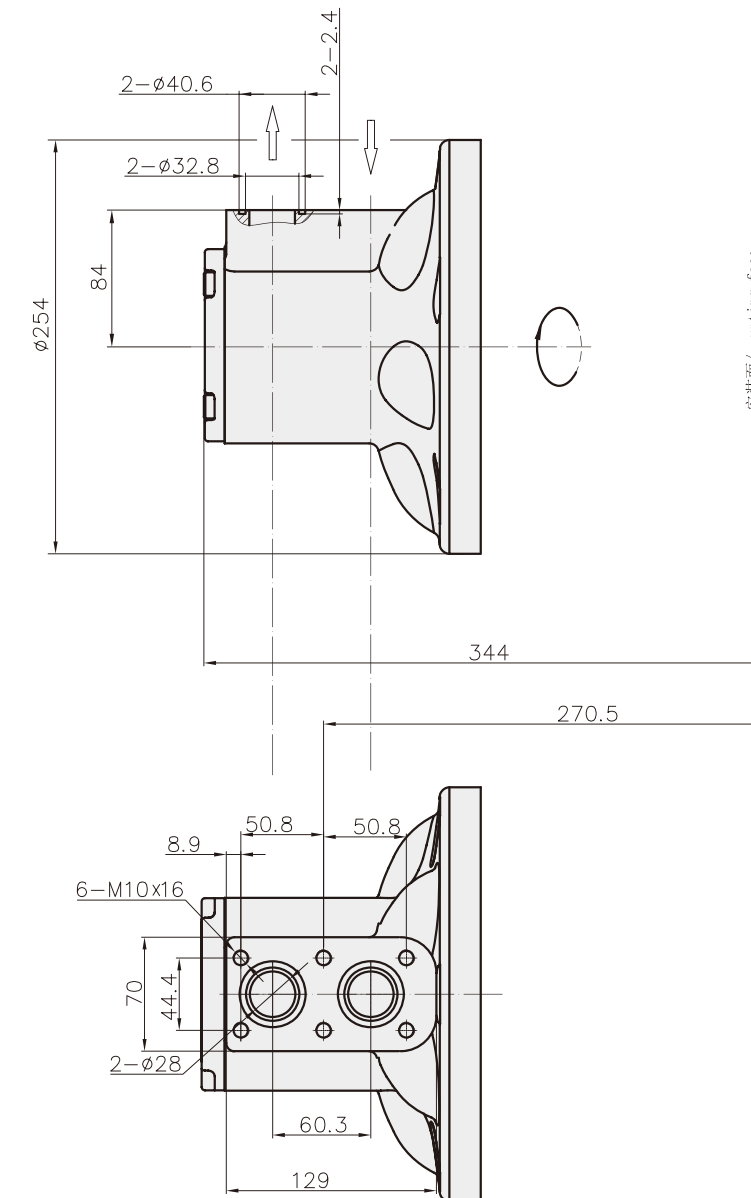
Example: P72* = Standard Parallel Keyed Shaft

S71*= Standard Spline Shaft

STFC080/100系列/ STFC080/100 Serie

STFC080/100 外形及安装尺寸/ STFC080/100 Installation Dimensions

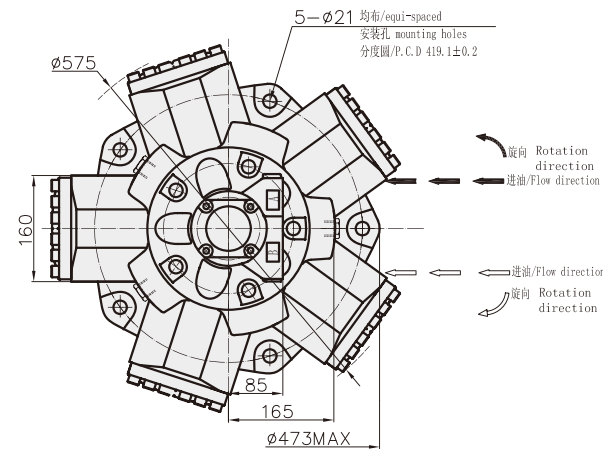
进出油口为F01B的安装尺寸/ F01B Distributor



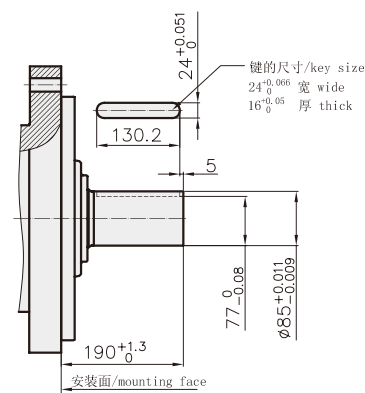
STFC(HD)125 外形及安裝尺寸/ STFC(HD)125 Installation Dimensions

Technical drawing of the STFC series pump assembly, showing dimensions and specifications:

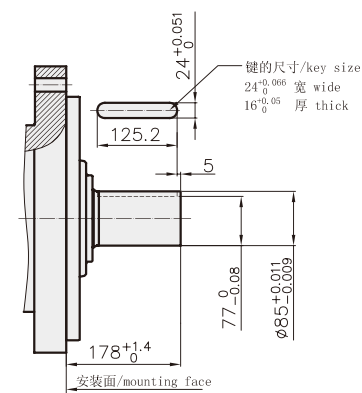
- Dimensions:**
 - Overall width: 374
 - Overall height: $\phi 381 \pm 7$
 - Mounting face to centerline: 46.5
 - Mounting face to base: 30.2
 - Base to centerline: 58.7
 - Base to mounting face: 37
 - Base to centerline (alternative): 74
 - Centerline to centerline: 203
 - Centerline to base: 281
 - Centerline to mounting face: 33
 - Centerline to base (alternative): 28
 - Centerline to mounting face (alternative): 21
 - Centerline to base (alternative): 44.4 (STFC125-*)
 - Centerline to mounting face (alternative): 57 (STFC125-*)
 - Base to centerline (alternative): 30.2
 - Base to centerline (alternative): 20.3
 - Base to centerline (alternative): 28
 - Base to centerline (alternative): 21
 - Base to centerline (alternative): 44.4 (STFC125-*)
 - Base to centerline (alternative): 57 (STFC125-*)
- Specifications:**
 - 3-G3/4" * ϕ (Mounting face)
 - 2- $\phi 32$ (Base)
 - 8-M12x27 (Base)
 - M16 (Mounting face)
 - $\phi 260$ (Mounting face)
 - 30 (Mounting face)
 - 28 (Base)
 - 21 (Base)
 - 44.4 (STFC125-*) (Base)
 - 57 (STFC125-*) (Base)
- Labels:**
 - 3-G3/4" * ϕ
 - 2- $\phi 32$
 - 8-M12x27
 - M16
 - $\phi 260$
 - 30
 - 28
 - 21
 - 44.4 (STFC125-*)
 - 57 (STFC125-*)



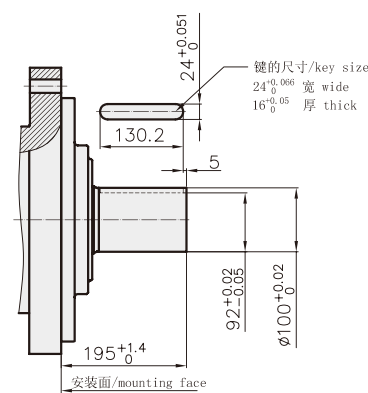
STFC125-P72



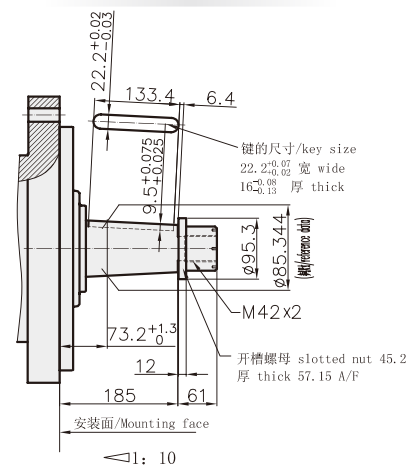
STFC125-P73*



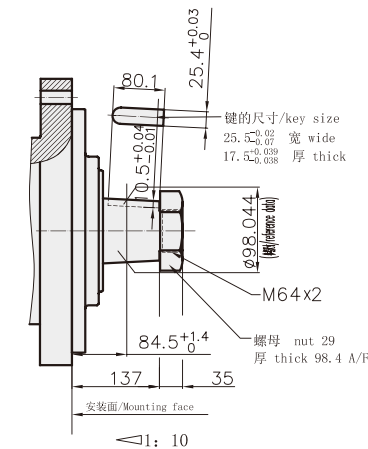
STFCHD125-P74



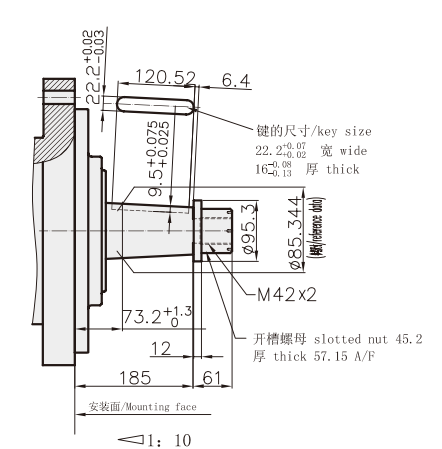
STFC125-T71



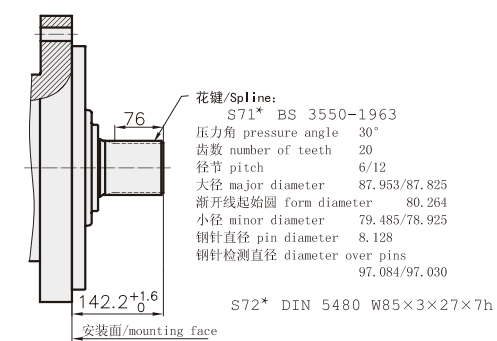
STFCHD125-T72



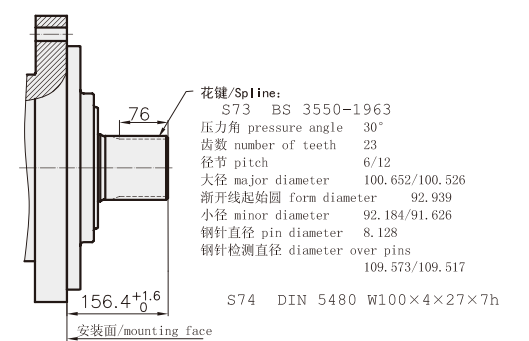
STFCHD125-T73



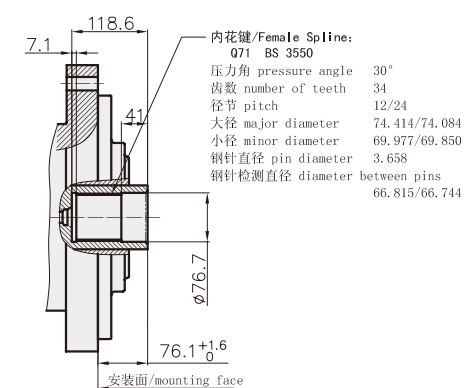
STFC125-S71* &S72*



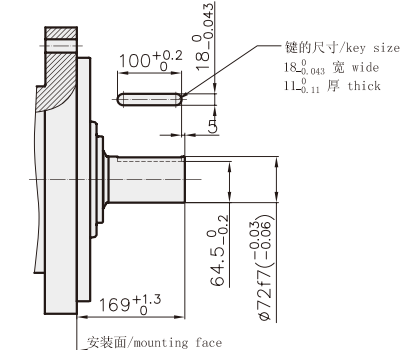
STFCHD125-S73 & S74



STFCHD125-Q71



STFC125-P71

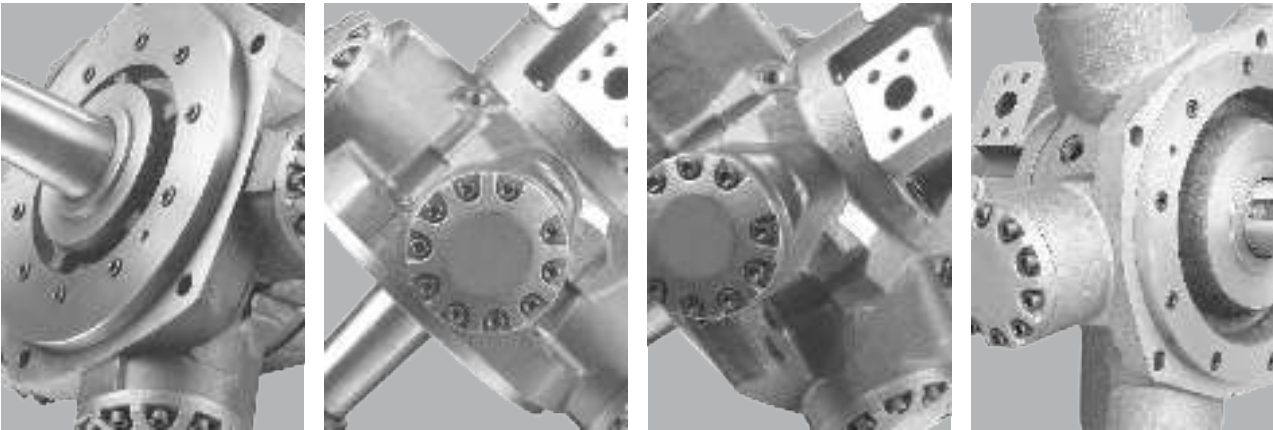
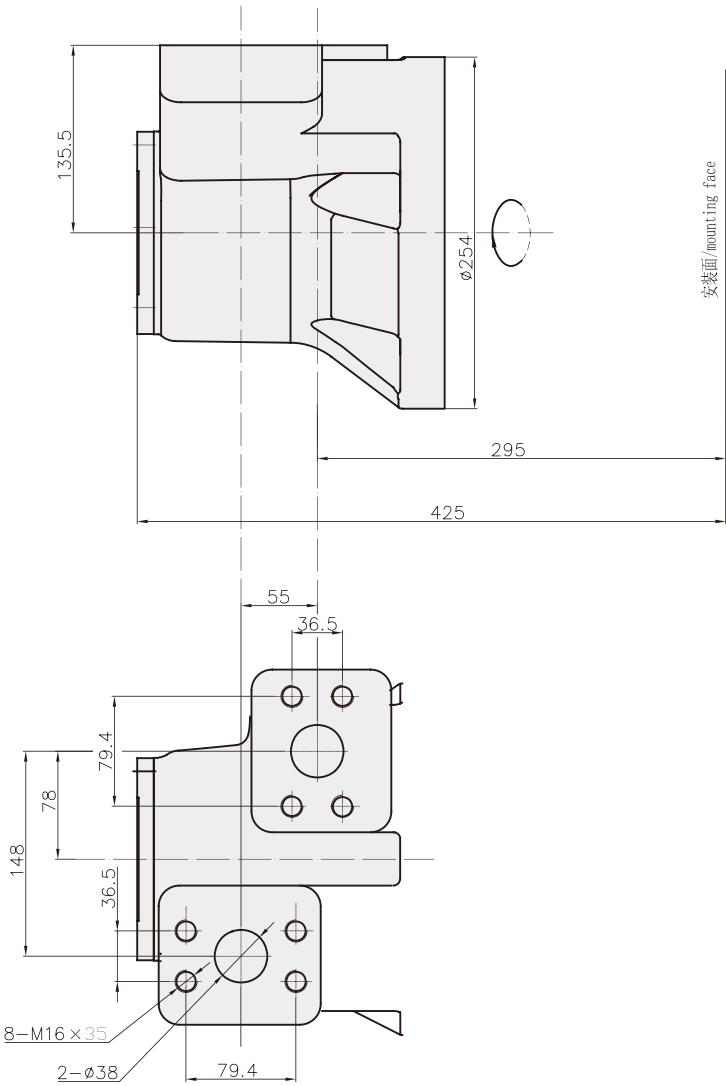


Example: P73*= Standard Parallel Keyed Shaft S71*= Standard Spline Shaft

STFC(HD)125系列/ STFC(HD)125 Serie

STFC(HD)125 外形及安装尺寸/ STFC(HD)125 Installation Dimensions

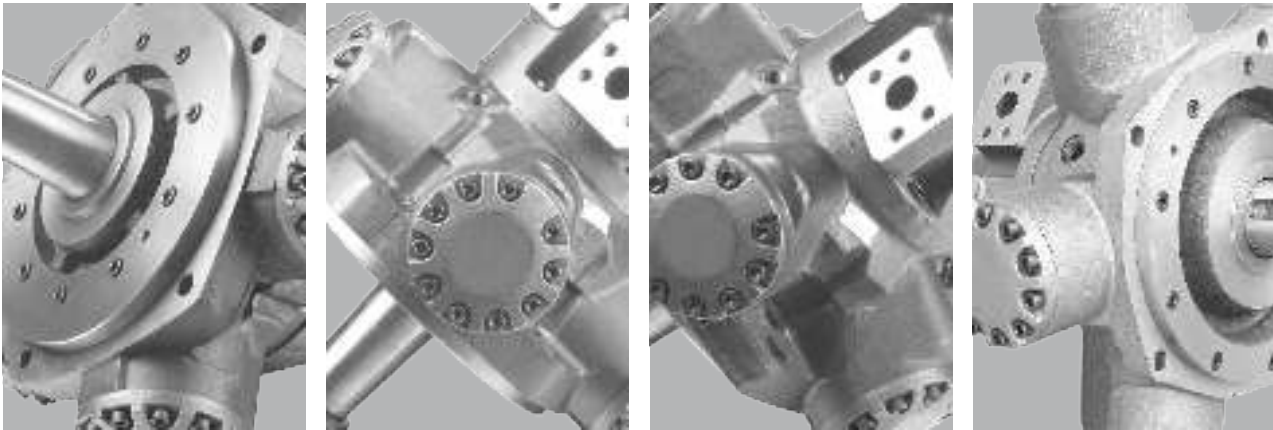
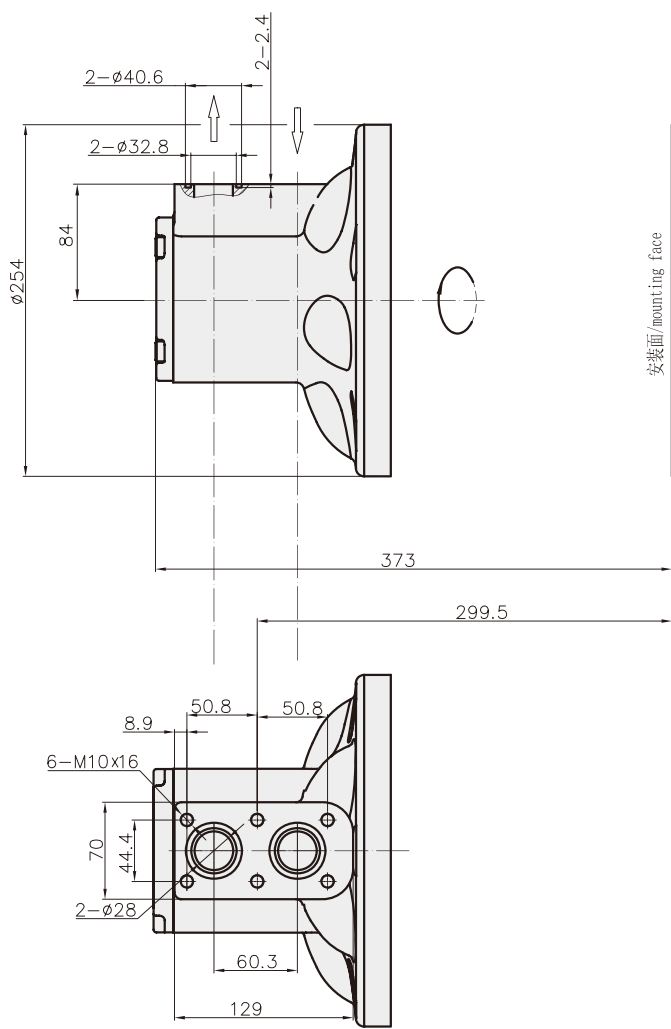
进出油口为F02的安装尺寸/ F02 Distributor



STFC(HD)125系列/ STFC(HD)125 Serie

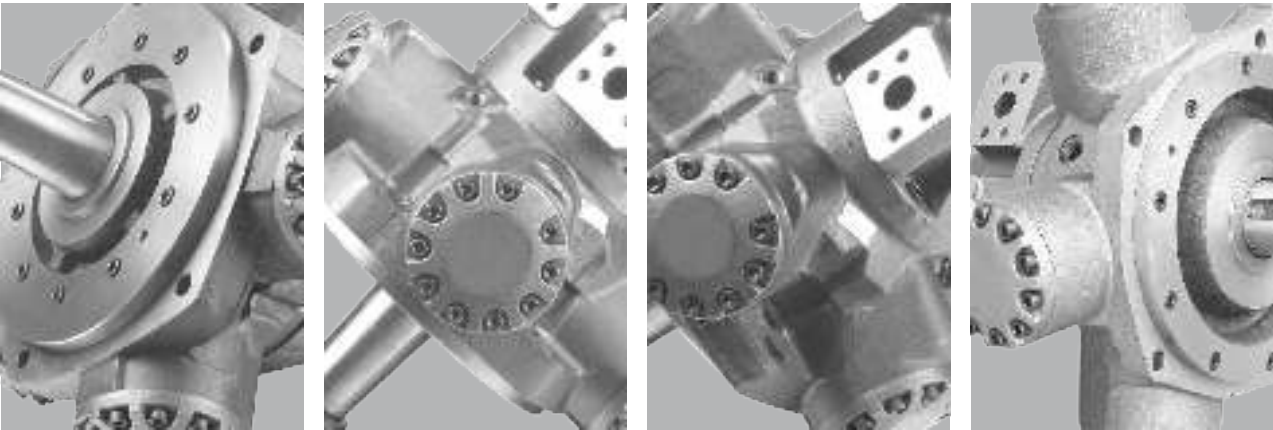
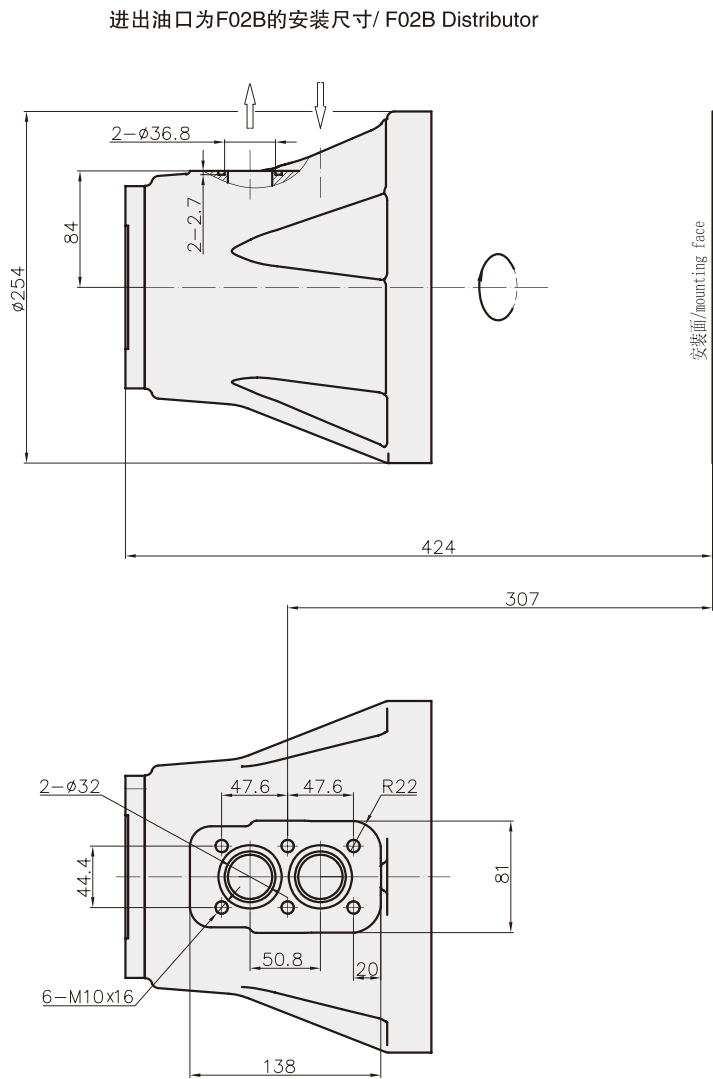
STFC(HD)125 外形及安装尺寸/ STFC(HD)125 Installation Dimensions

进出油口为F01B的安装尺寸/ F01B Distributor



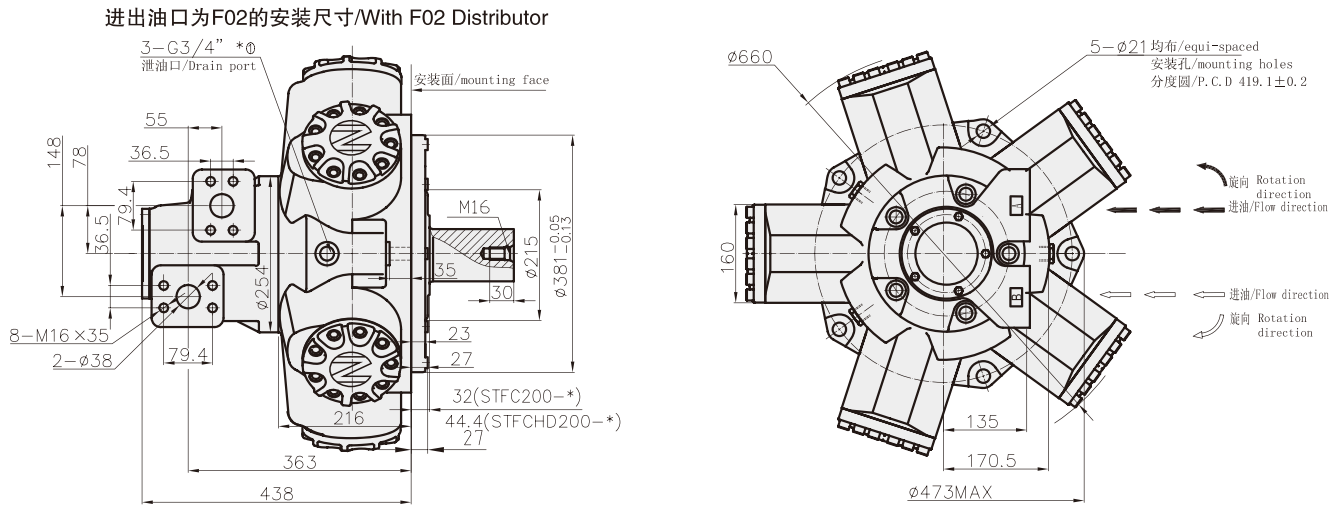
STFC(HD)125系列/ STFC(HD)125 Serie

STFC(HD)125 外形及安装尺寸/ STFC(HD)125 Installation Dimensions



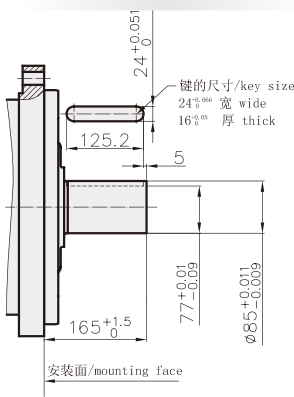
STFC(HD)200系列/ STFC(HD)200 Serie

STFC(HD)200 外形及安装尺寸/ STFC(HD)200 Installation Dimensions

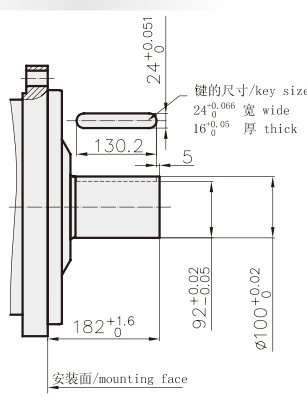


*①可选配UNF3/4"-16接头/Option: UNF3/4"-16

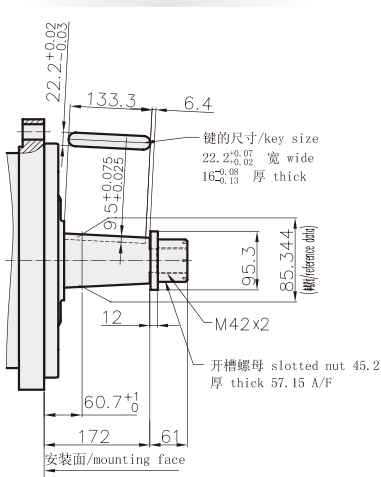
STFC200-P71



STFCHD200-P73*

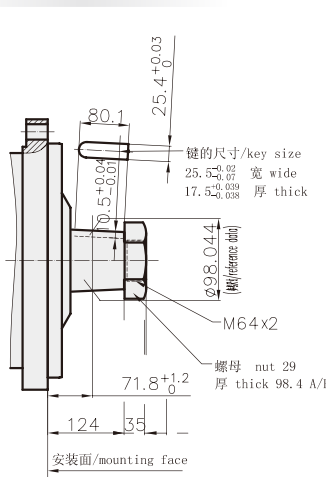


STFC200-T71



≤1: 10

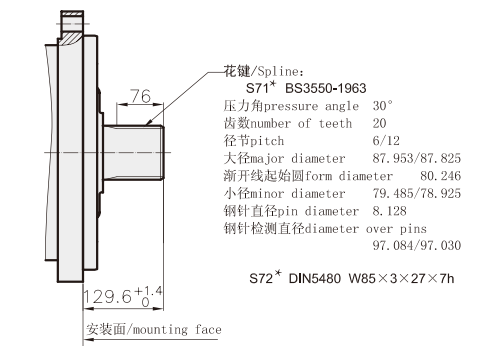
STFCHD200-T72



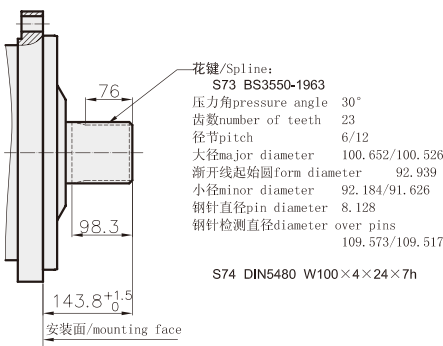
≤1: 10

STFC(HD)200系列/ STFC(HD)200 Serie

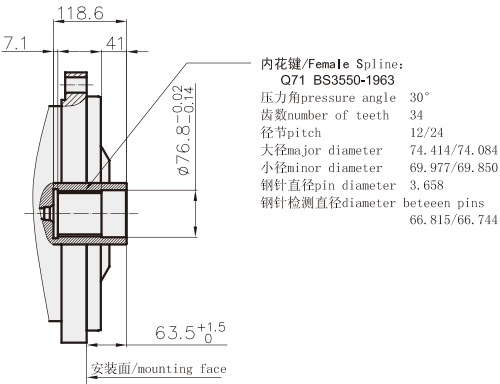
STFC200-S71* & S72*



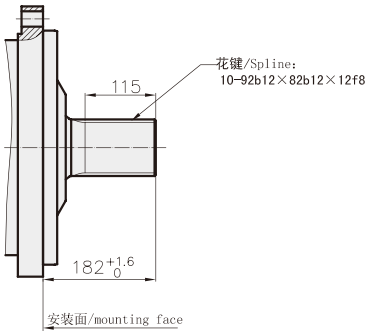
STFCHD200-S73 & S74



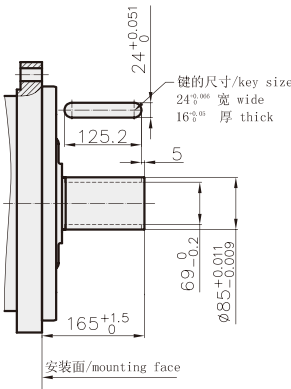
STFCHD200-Q71



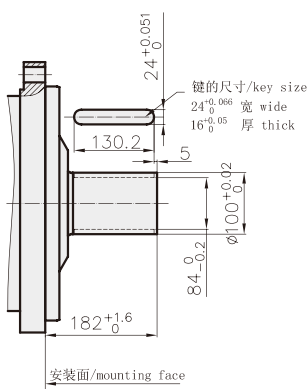
STFCHD200-S77



STFC200-P72

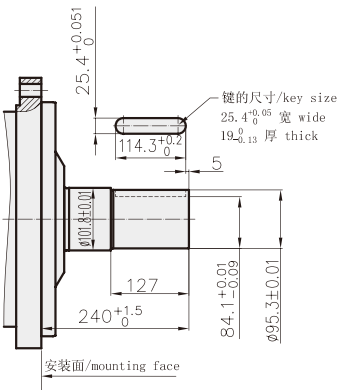


STFCHD200-P74

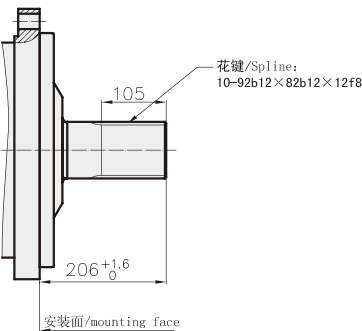


STFC(HD)200系列/ STFC(HD)200 Serie

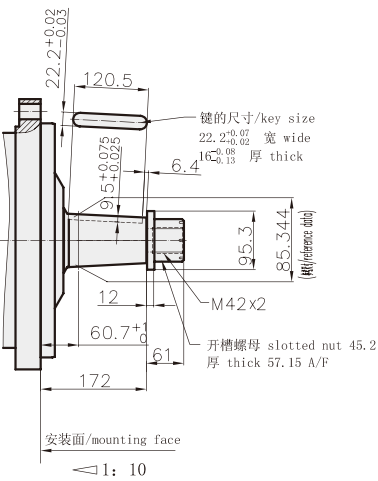
STFCHD200-P75



STFCHD200-S76



STFCHD200-T73

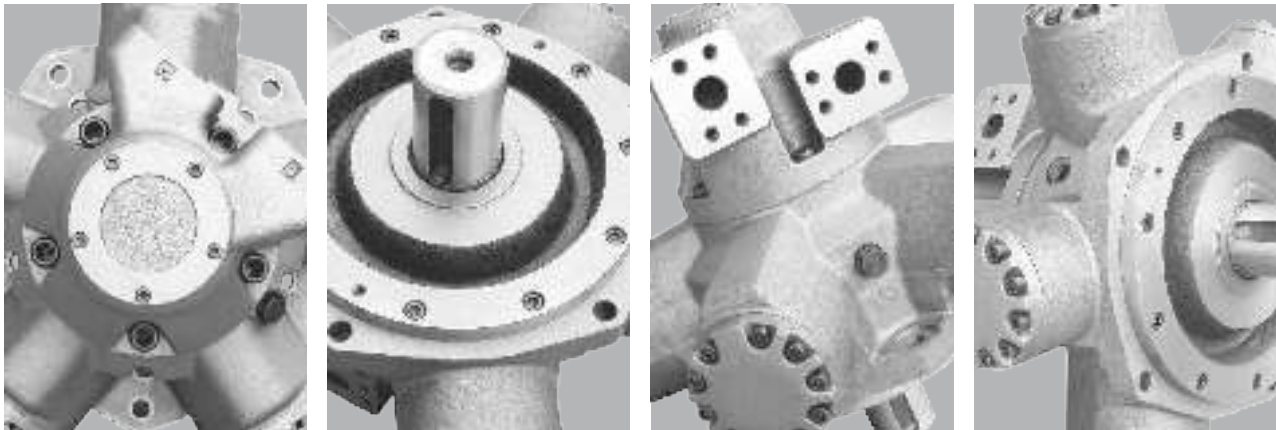
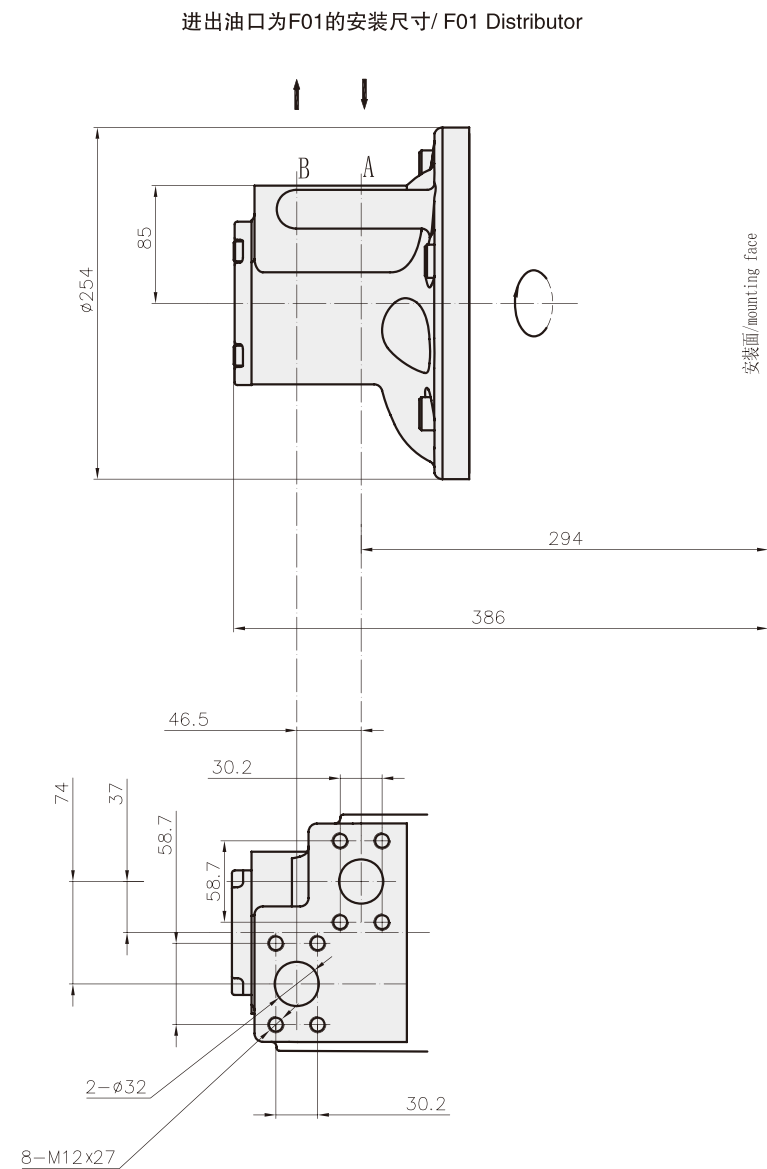


注释: 右上角带* 的轴为标准轴
如: P73* 为标准平键轴 S71*为标准花键轴
Notes: Shaft model with "*" is the standard shaft
Example: P73*= Standard Parallel Keyed Shaft
S71*= Standard Spline Shaft



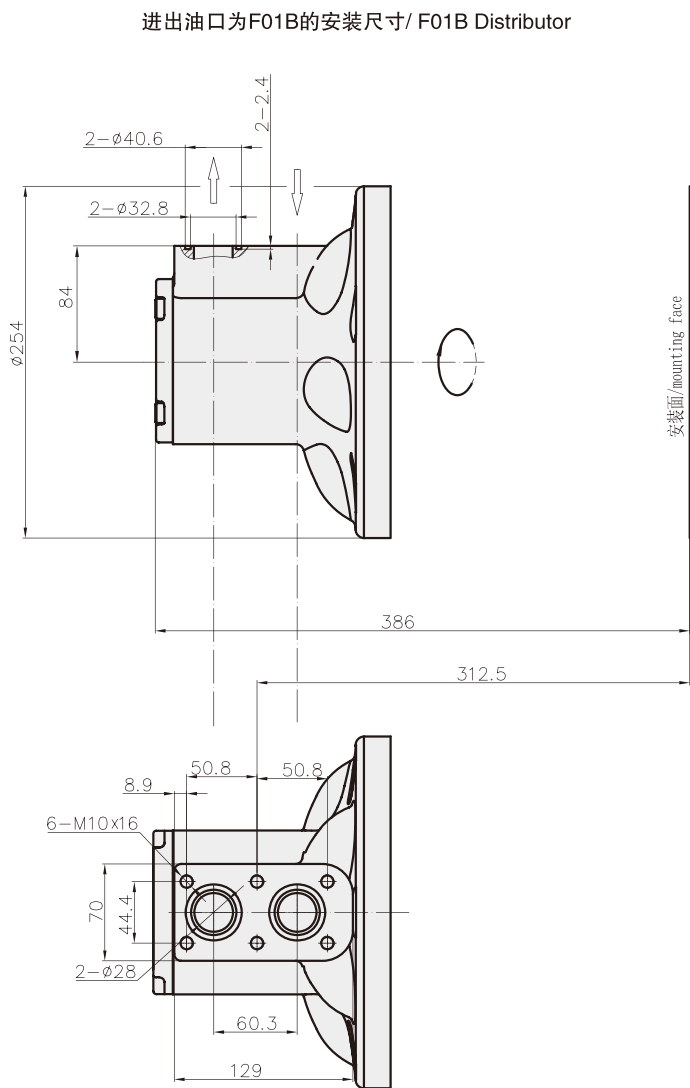
STFC(HD)200系列/ STFC(HD)200 Serie

STFC(HD)200 外形及安装尺寸/ STFC(HD)200 Installation Dimensions



STFC(HD)200系列/ STFC(HD)200 Serie

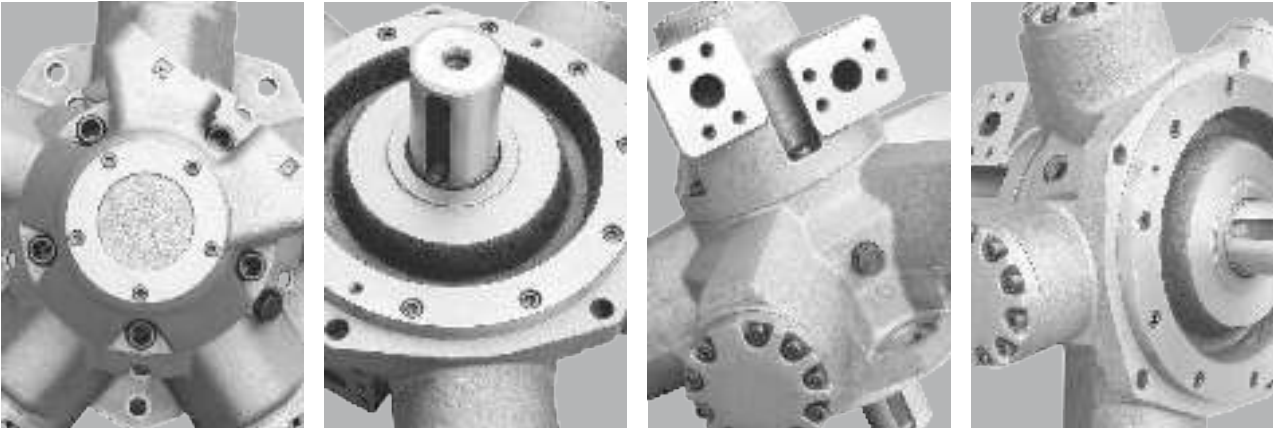
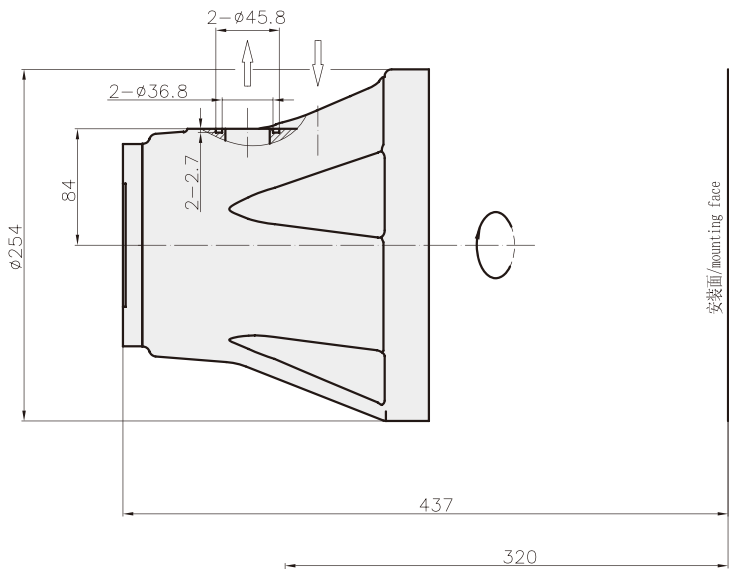
STFC(HD)200 外形及安装尺寸/ STFC(HD)200 Installation Dimensions



STFC(HD)200系列/ STFC(HD)200 Serie

STFC(HD)200 外形及安装尺寸/ STFC(HD)200 Installation Dimensions

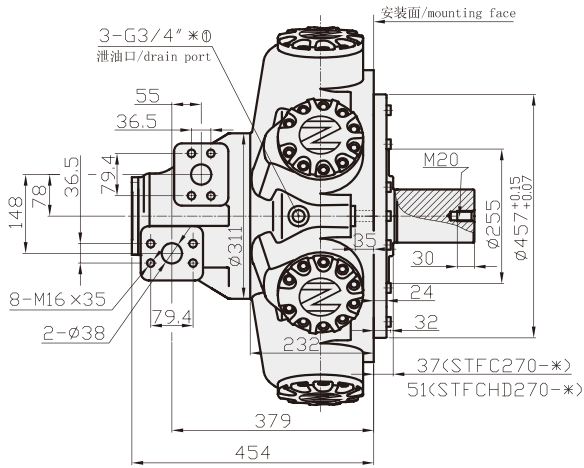
进出油口为F02B的安装尺寸/ F02B Distributor



STFC(HD)270/325系列/ STFC(HD)270/325 Serie

STFC(HD)270 外形及安装尺寸/ STFC(HD)270 Installation Dimensions

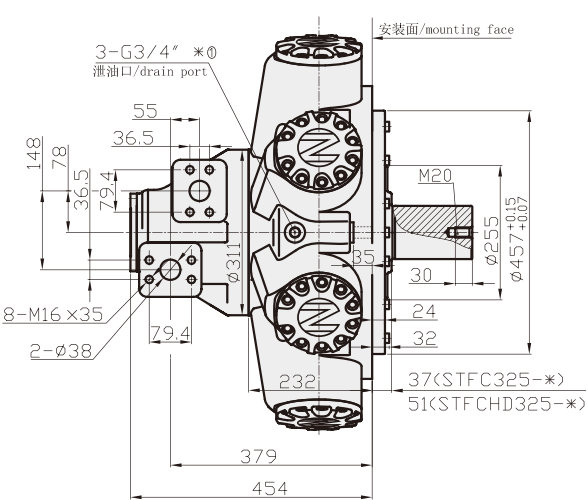
进出油口为F03的安装尺寸/With F03 Distributor



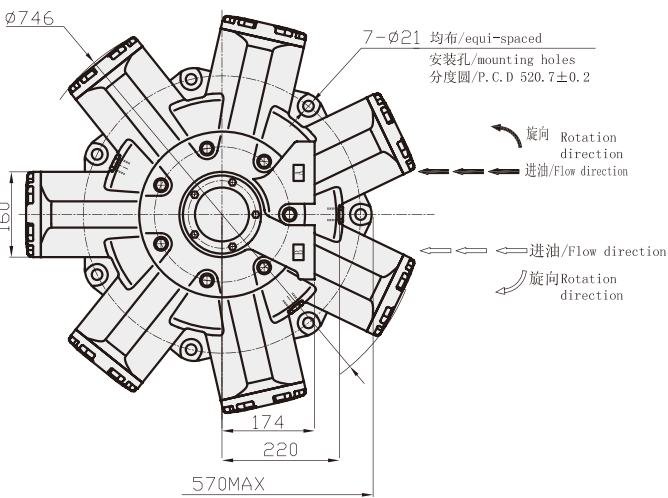
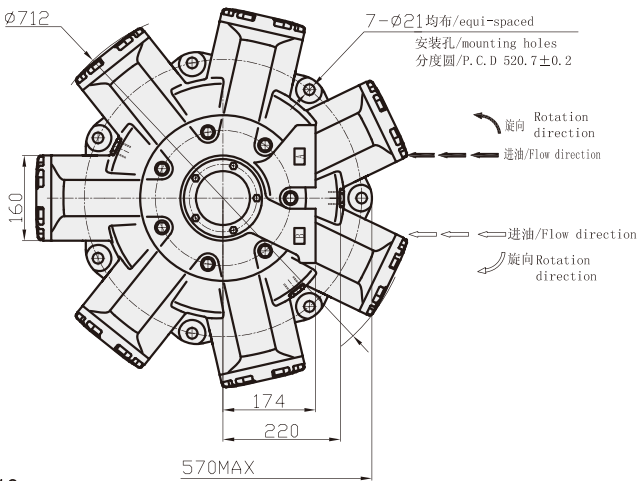
*①可选配UNF3/4"-16接头/Option: UNF3/4"-16

STFC(HD)325 外形及安装尺寸/ STFC(HD)325 Installation Dimensions

进出油口为F03的安装尺寸/With F03 Distributor



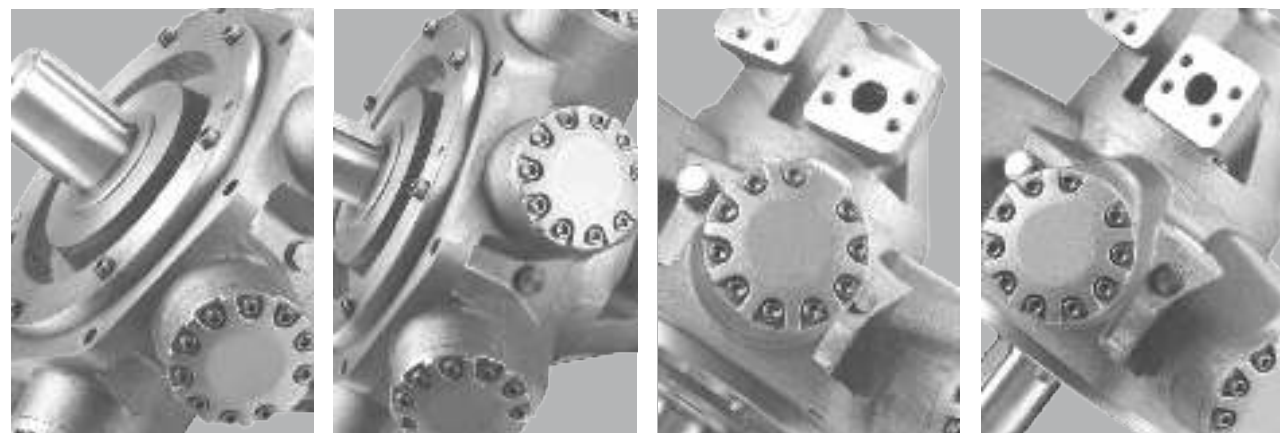
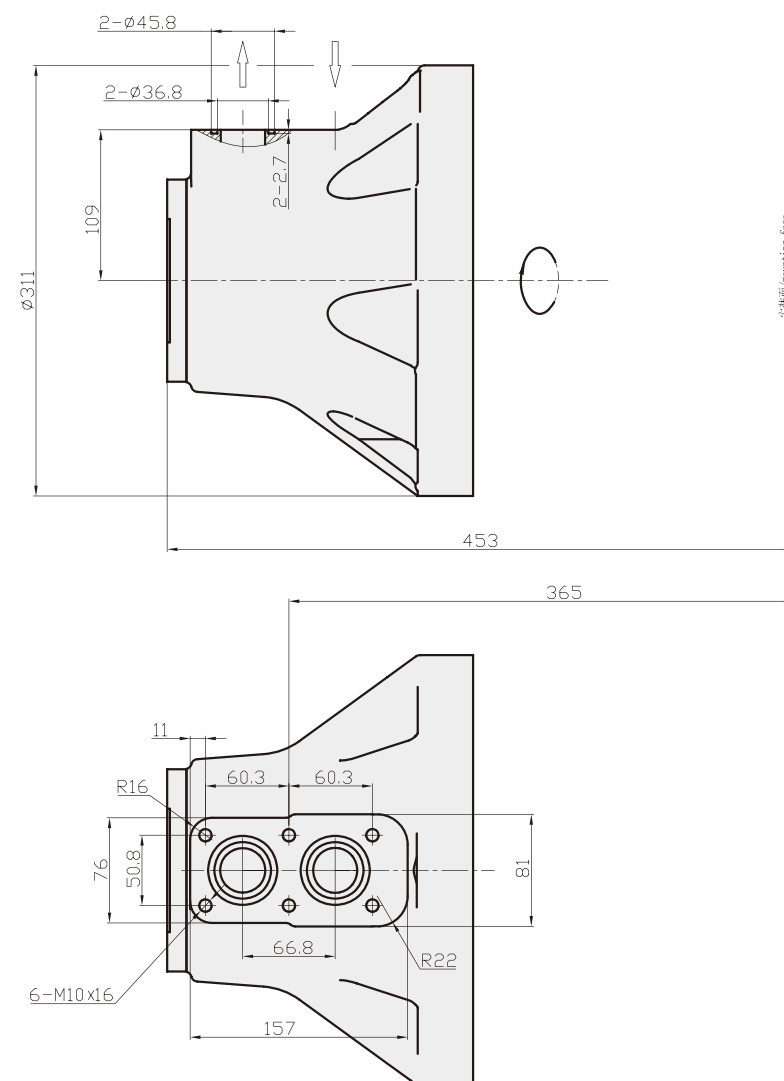
*①可选配UNF3/4"-16接头/Option: UNF3/4"-16





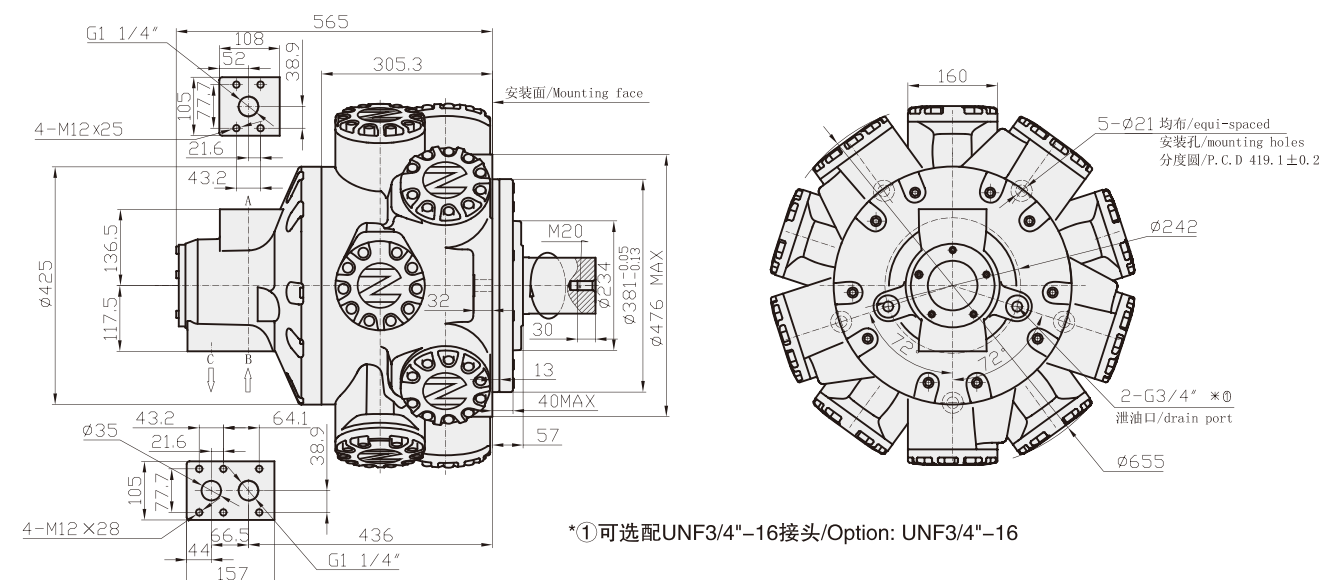
STFC(HD)270/325 外形及安装尺寸/ STFC(HD)270/325 Installation

进出油口为F03B的安装尺寸/ F03B Distributor

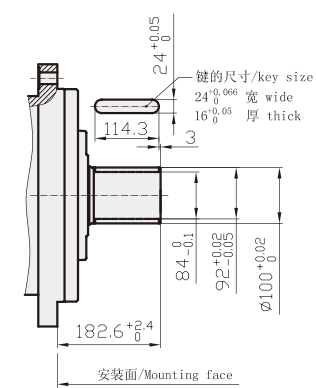


STFC(HD)400 外形及安装尺寸/ STFC(HD)400 Installation Dimensions

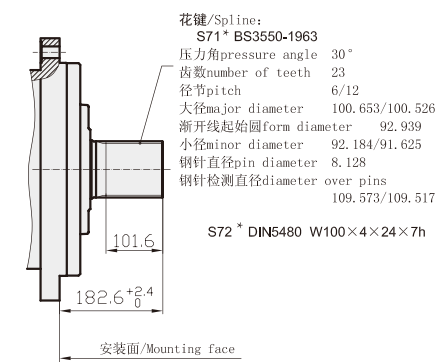
进出油口为F04的安装尺寸/With F04 Distributor



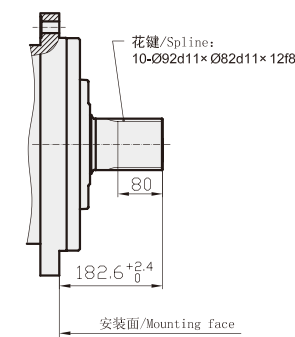
STFCHD400-P71*



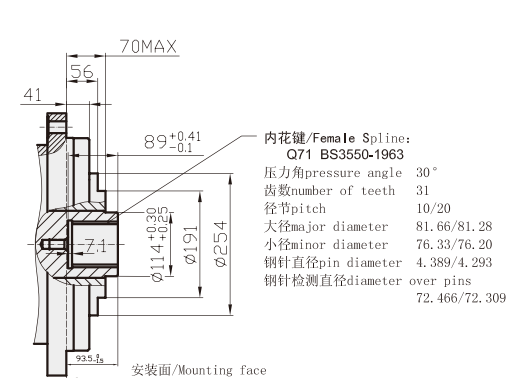
STFCHD400-S71* & S72*



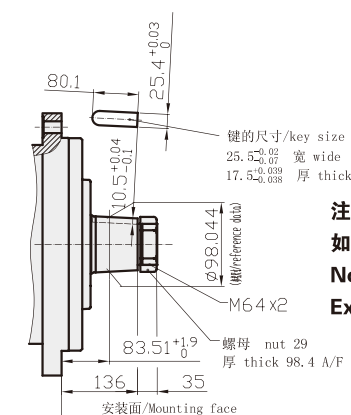
STFCHD400-S73



STFCHD400-Q71



STFCHD400-T71



注释: 右上角带* 的轴为标准轴

如: P71* 为标准平键轴, S71*为标准花键轴

Notes: Shaft model with "*" is the standard shaft

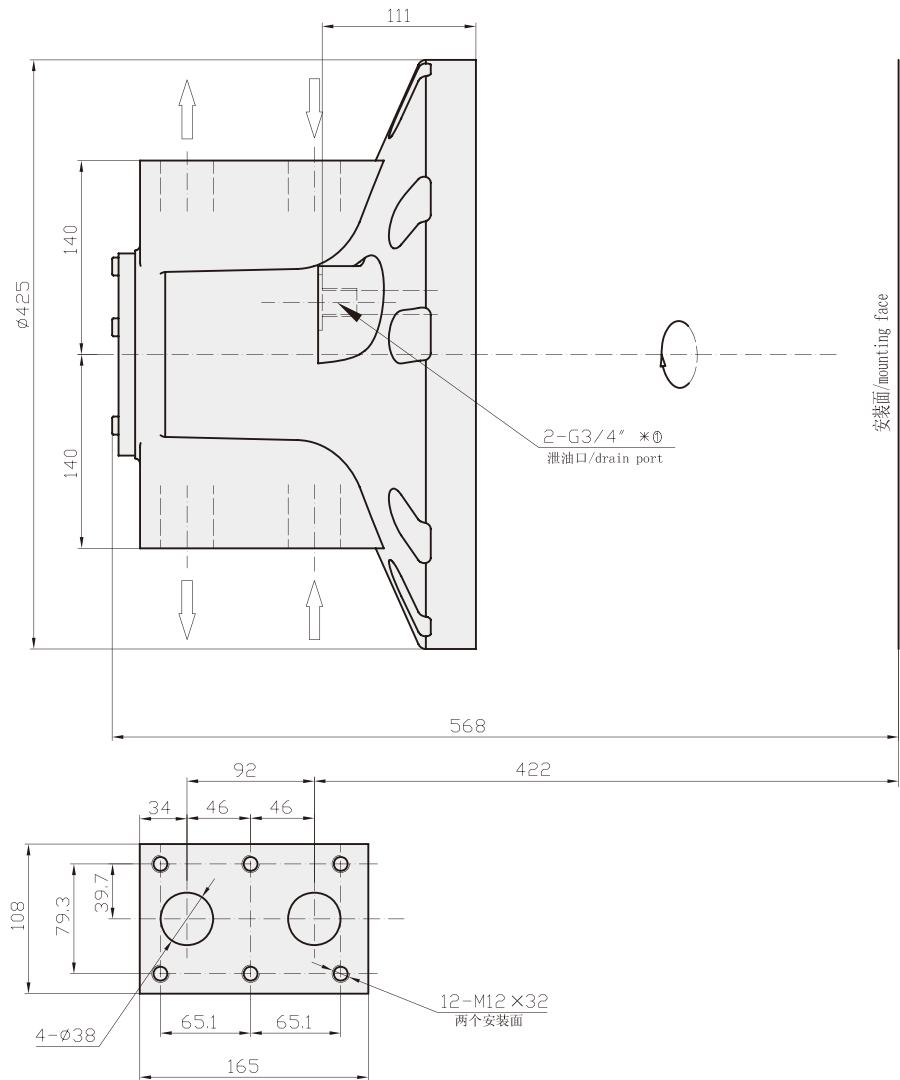
Example: P71* = Standard Parallel Keyed Shaft

S71* = Standard Spline Shaft

STFC(HD)400系列/ STFC(HD)400 Serie

STFC(HD)400 外形及安装尺寸/ STFC(HD)400 Installation Dimensions

进出油口为F04B的安装尺寸/ F04B Distributor



*①可选配UNF3/4"-16接头/Option: UNF3/4"-16



CA系列/ CA Serie

产品特点/ Product Feature

CA液压马达是我司针对高端市场所开发的新产品，此产品能在各种恶劣工况下稳定工作，能满足大多数场合下对液压马达的高工作压力、大扭矩输出及低速稳定性等要求，在结构上，这款马达采用端面配流，径向柱塞内曲线形式，利用马达转子中空优势，能方便的根据用户要求配置制动器、测速器，及通过马达中孔的特殊设备，大大简化用户对主机结构的要求。

其主要特点如下：

- 抗冲击能力强，稳定性好；
- 可实现安全平稳的变量及停车制动；
- 能实现自由轮工况；
- 多种安装方式及中空轴设计；
- 大输出扭矩、宽转速范围，可直接替代高速马达加减速机装置，结构紧凑（体积小）；
- 具有良好的低速稳定性，能在很低的转速下平稳运转；
- 具有较高的机械率和容积效率；
- 旋转方向可逆；
- 功率质量比高；
- 可靠性好，维修方便。

CA series' cam-ring piston hydraulic motor is what we design for high-end application. With advantage of hollow rotor, CA motor can be mounted with brake, speed encoder, and some special equipments mounted through the center of motor, according to the user's requirements. It shows its striking features of high pressure endurance, stability at low speed, and high output torque in various inferior working conditions.

Main characteristics:

- Strong anti-shock capability and stability;
- Stable variable switch and parking brake;
- Enable free running working condition;
- Multi-mounting options; hollow shaft design;
- Large output torque; wide speed range; directly replace combined devices of high speed moto and gearbox; compact structure;
- Stable performance at low speed;
- Higher mechanical and volumetric efficiency;
- Reversible rotation;
- High power-mass ratio;
- High reliability; easy maintenance.

产品标识说明/ Ordering Code

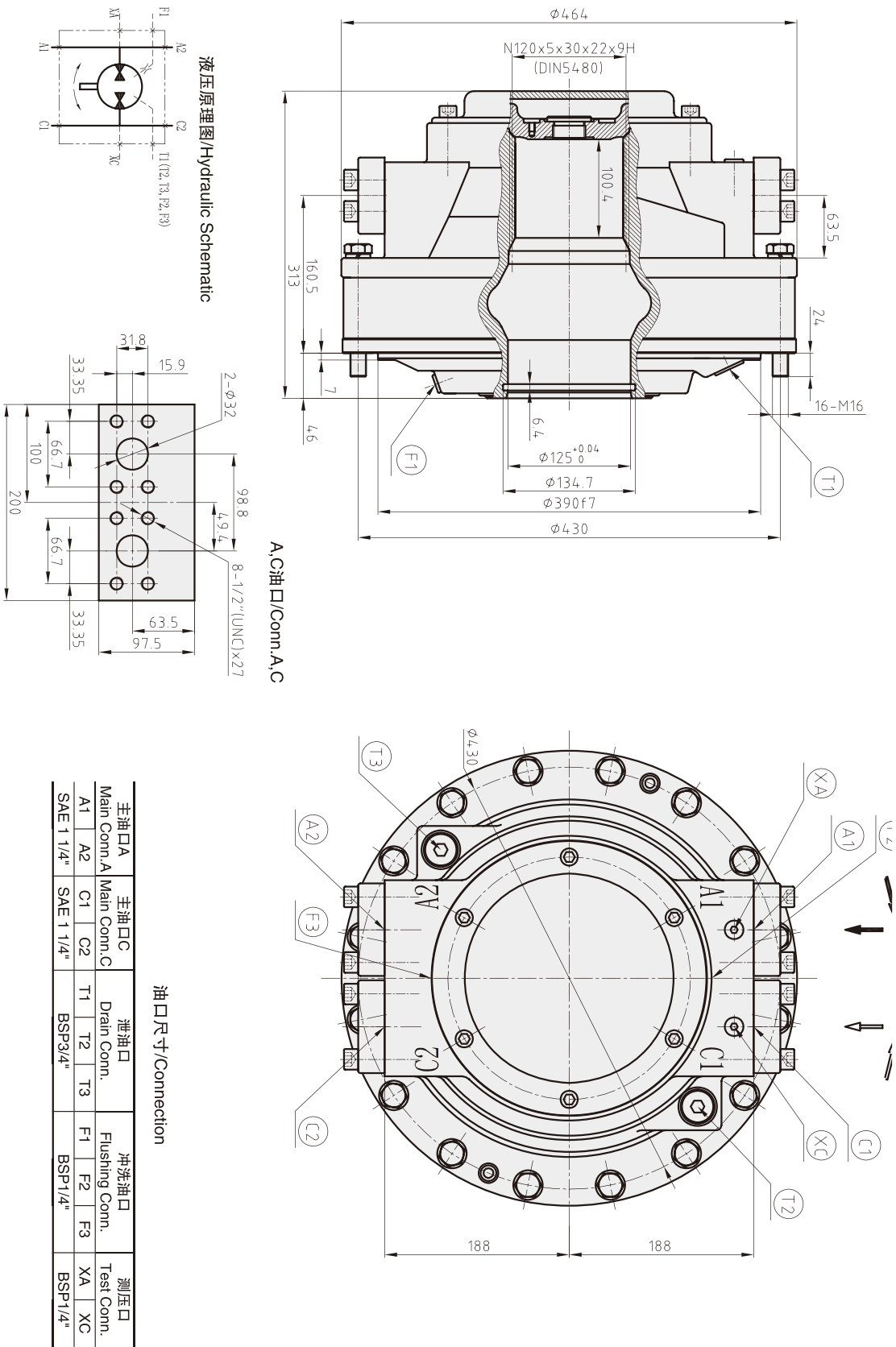
	**	1	2	3	4	5	6	7
1、CA马达代号 Motor Model								
2、型号 Type								
3、单位扭矩 Specific Torque(Nm/bar)								
4、安装形式 Mounting Alternatives, Shaft								
锁紧盘C Shrink Disc Coupling								
内花键S Splines								
其它O Others								
5、制动器和其他部件 Multi disc brake or tandem kit								
不带制动器或其它部件A Motor without brake or TA kit								
带制动器或其它部件B Motor prepared for brake or TA kit								
6、单速O Single Speed Motor								
双速顺时针旋转R(从轴端看A口进油) Dual speed motor, rotation clockwise rotation(As view from shaft end and inlet to A port)								
双速逆时针旋转L(从轴端看A口进油) Dual speed motor, rotation counter clockwise(As view from shaft end and inlet to A port)								
7、密封件 Type of Seal								
丁腈橡胶N Nitrile								
氟橡胶V Viton								

技术参数/ Technical Specification

马达型号 TYPE	排量 Displacement	单位扭矩 Unit Torque	额定压力 Rated Pressure	最大压力 Max.Pressure	额定扭矩 Rated Torque	额定转速 Rated Speed	最大转速 Max.Speed	重量(花键) Weight (Spline)	重量(锁紧盘) Weight (Shrink Disc Coupling)
	ml/r	N.m/bar	bar	bar	N.m	r/min	r/min	Kg	Kg
CA50-20	1,256	20	250	315	5,000	340	340	175	203
CA50-25	1,570	25	250	315	6,250	298	340		
CA50-32	2,010	32	250	315	8,000	238	340		
CA50-40	2,512	40	250	315	10,000	196	298		
CA50-50	3,140	50	250	315	12,500	170	238		
CA70-40	2,512	40	250	315	10,000	230	340	205	232
CA70-50	3,140	50	250	315	12,500	191	272		
CA70-60	3,771	60	250	315	15,000	166	234		
CA70-70	4,400	70	250	315	17,500	153	204		
CA100-40	2,512	40	250	315	10,000	332	340	265	310
CA100-50	3,140	50	250	315	12,500	272	340		
CA100-64	4,020	64	250	315	16,000	221	332		
CA100-80	5,024	80	250	315	20,000	187	264		
CA100-100	6,280	100	250	315	25,000	162	230		
CA140-80	5,024	80	250	315	20,000	208	289	305	347
CA140-100	6,280	100	250	315	25,000	174	234		
CA140-120	7,543	120	250	315	30,000	153	208		
CA140-140	8,800	140	250	315	35,000	145	187		
CA210-160	10,051	160	250	315	40,000	89	128	395	456
CA210-180	11,314	180	250	315	45,000	85	115		
CA210-210	13,200	210	250	315	52,500	72	98		

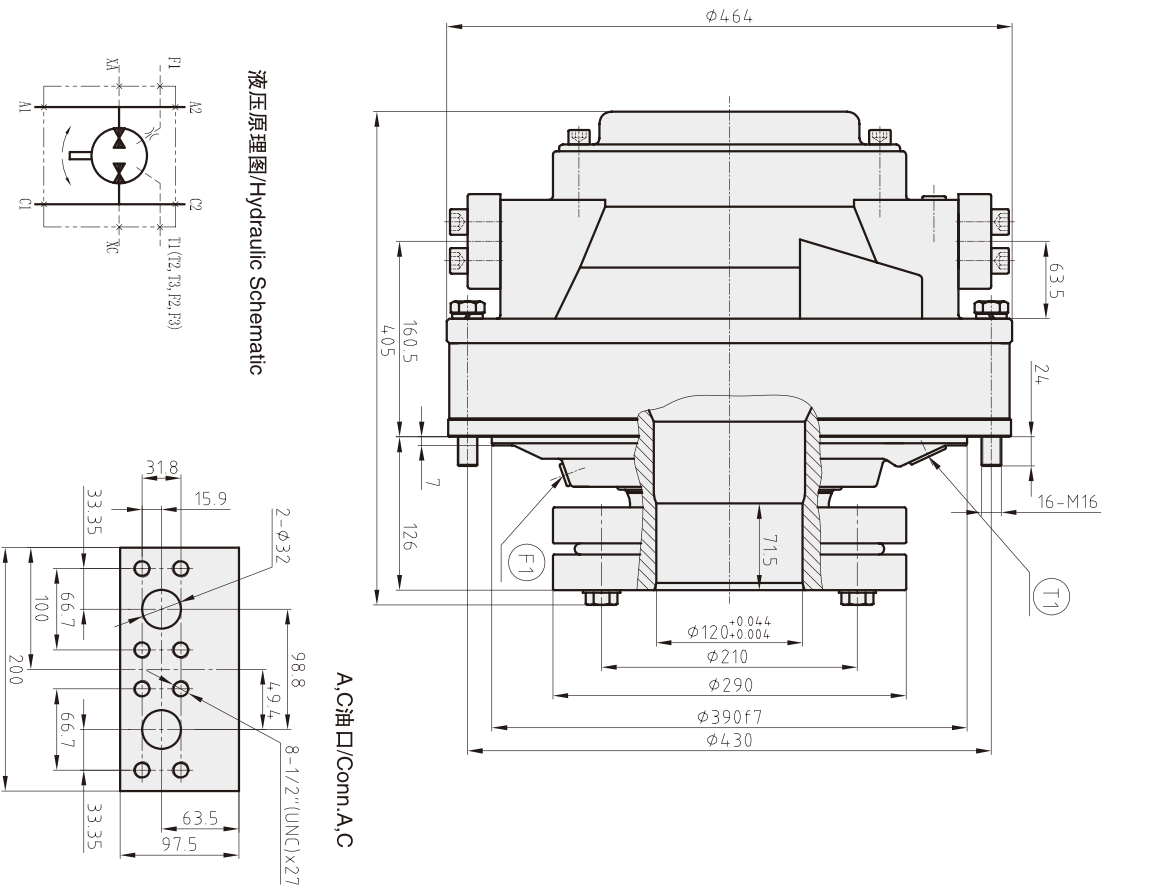


CA50外形及安装尺寸/ CA50 Installation Dimensions



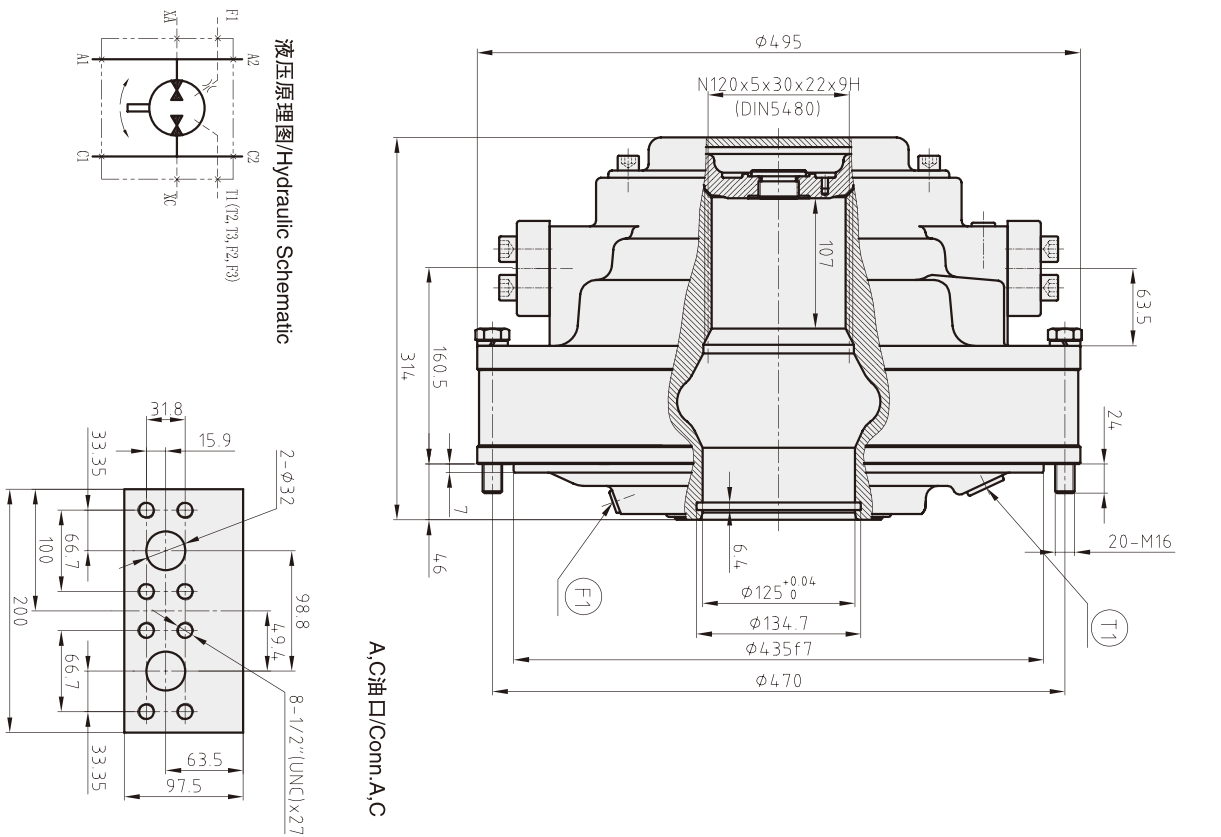
CA50系列/ CA50 Serie

CA50外形及安装尺寸/ CA50 Installation Dimensions



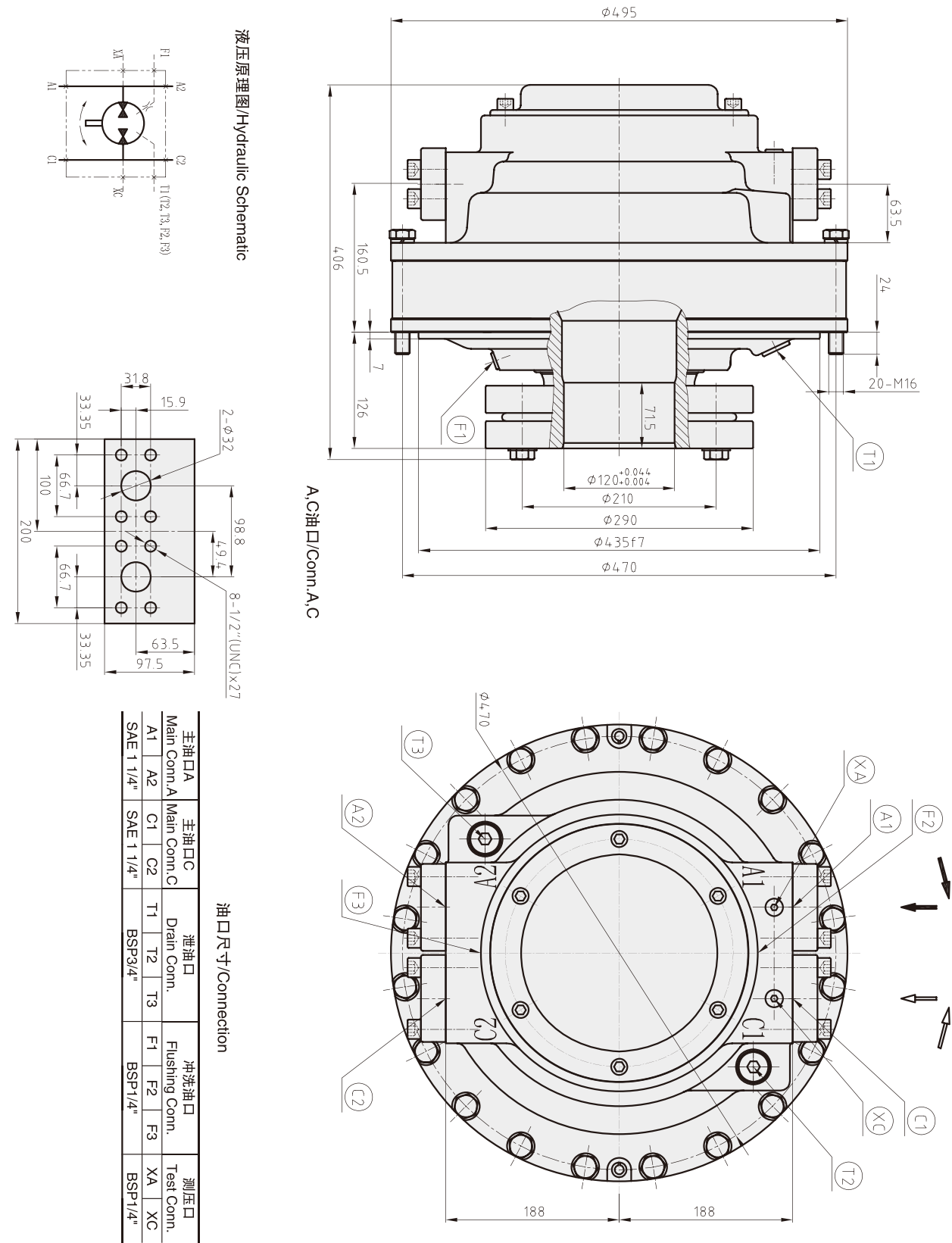
CA70系列/ CA70 Serie

CA70外形及安装尺寸/ CA70 Installation Dimensions



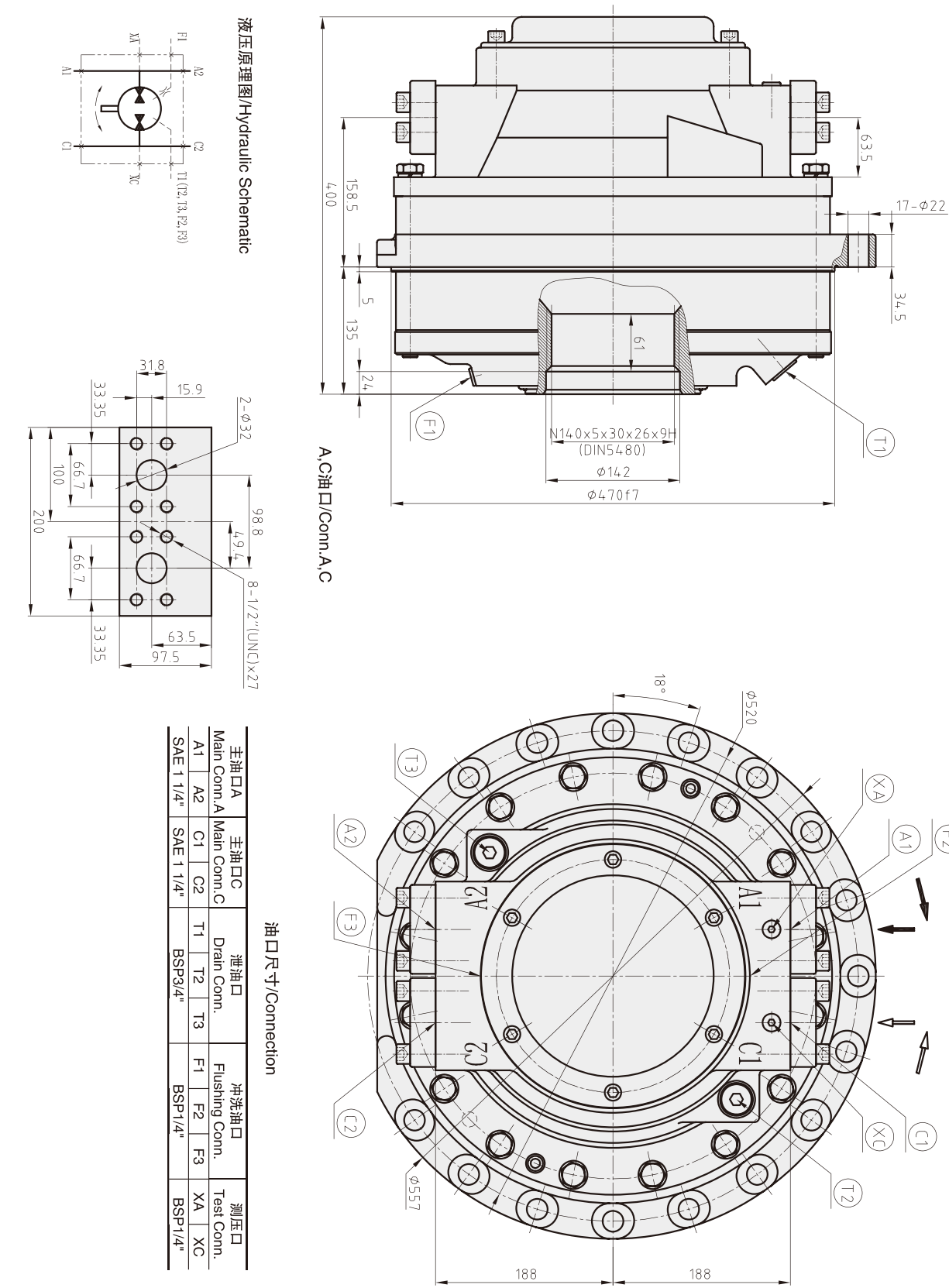
CA70系列/ CA70 Serie

CA70外形及安装尺寸/ CA70 Installation Dimensions



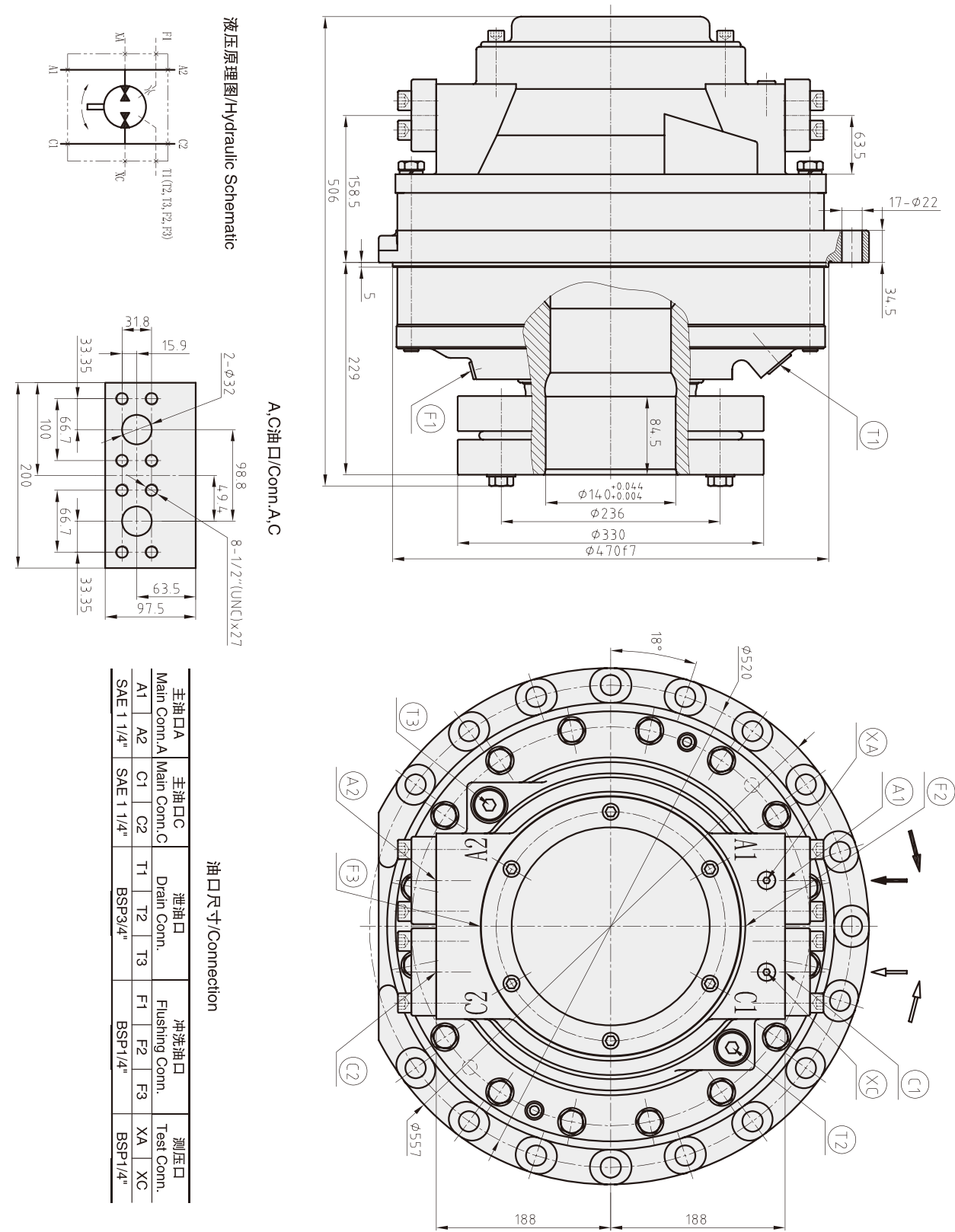
CA100系列/ CA100 Serie

CA100外形及安装尺寸/ CA100 Installation Dimensions



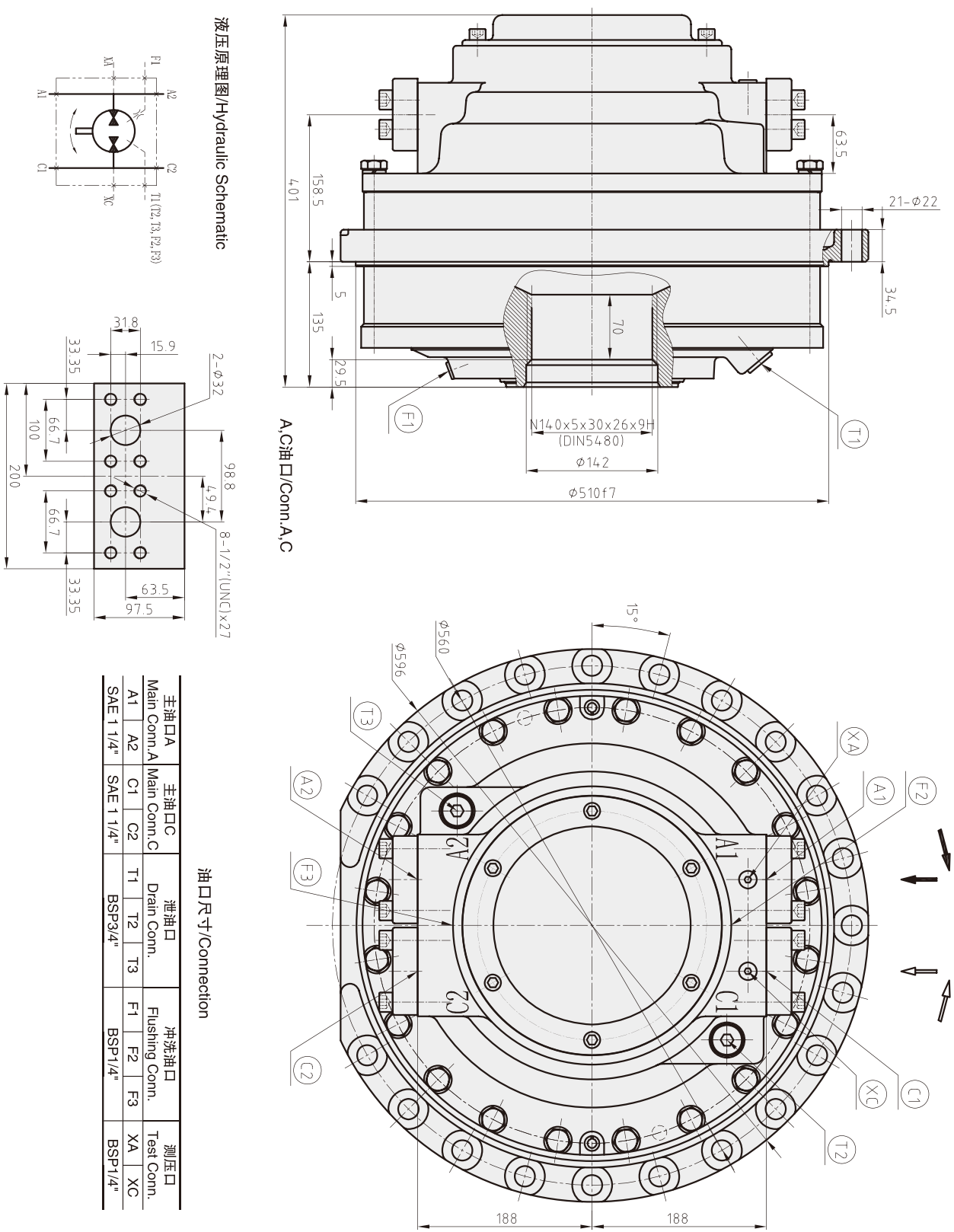
CA100系列/ CA100 Serie

CA100外形及安装尺寸/ CA100 Installation Dimensions



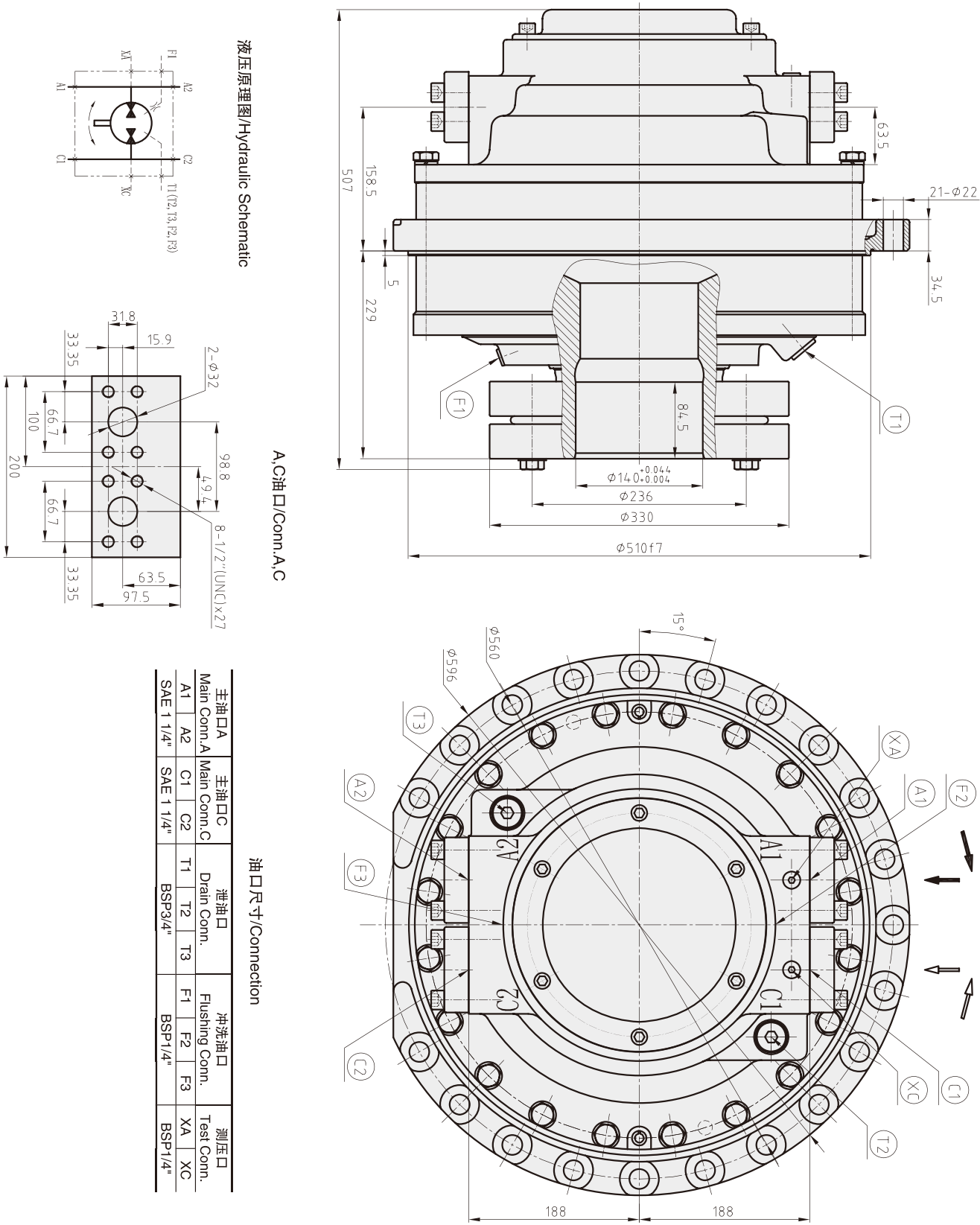
CA140系列/ CA140 Serie

CA140外形及安装尺寸/ CA140 Installation Dimensions



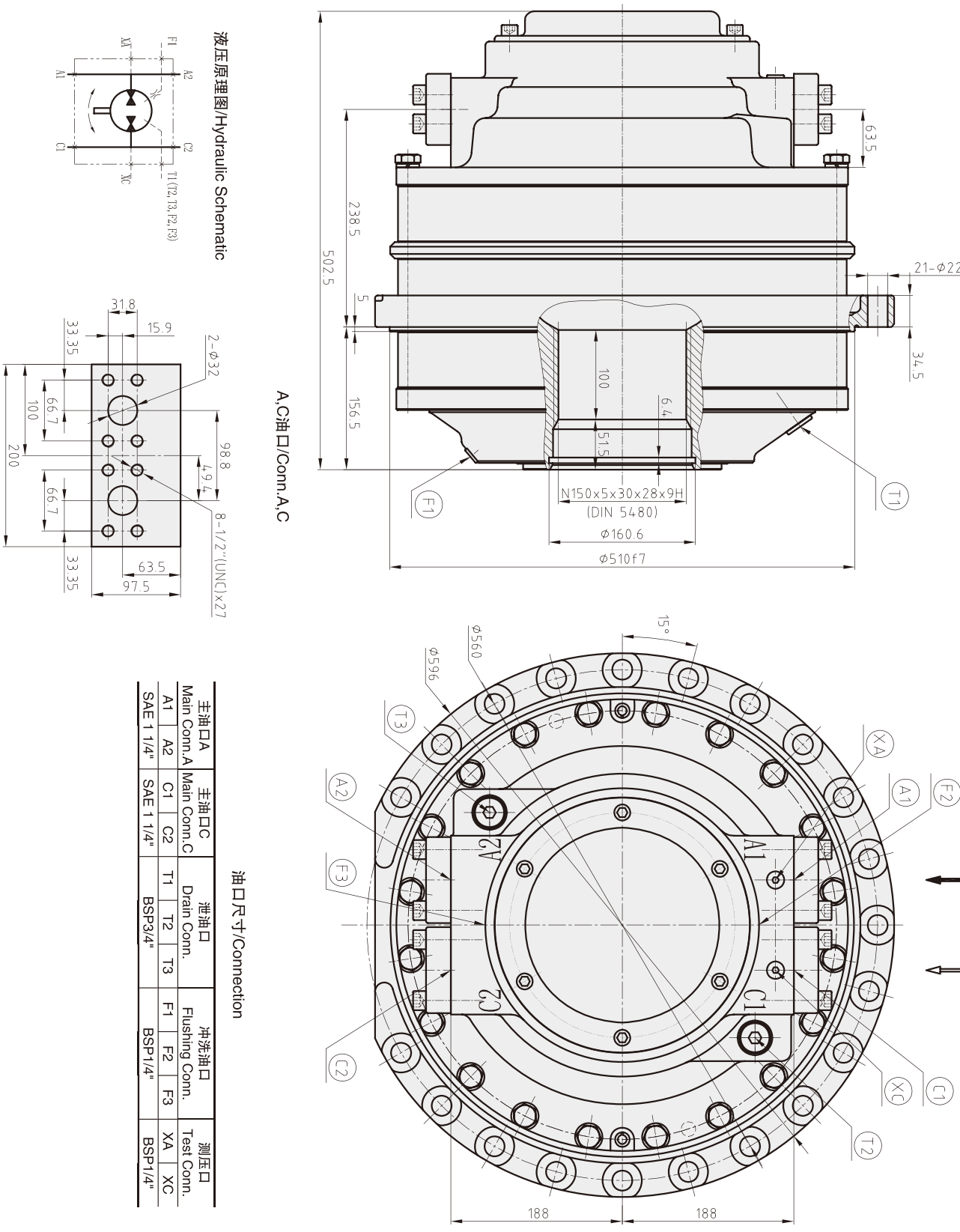
CA140系列/ CA140 Serie

CA140外形及安装尺寸/ CA140 Installation Dimensions



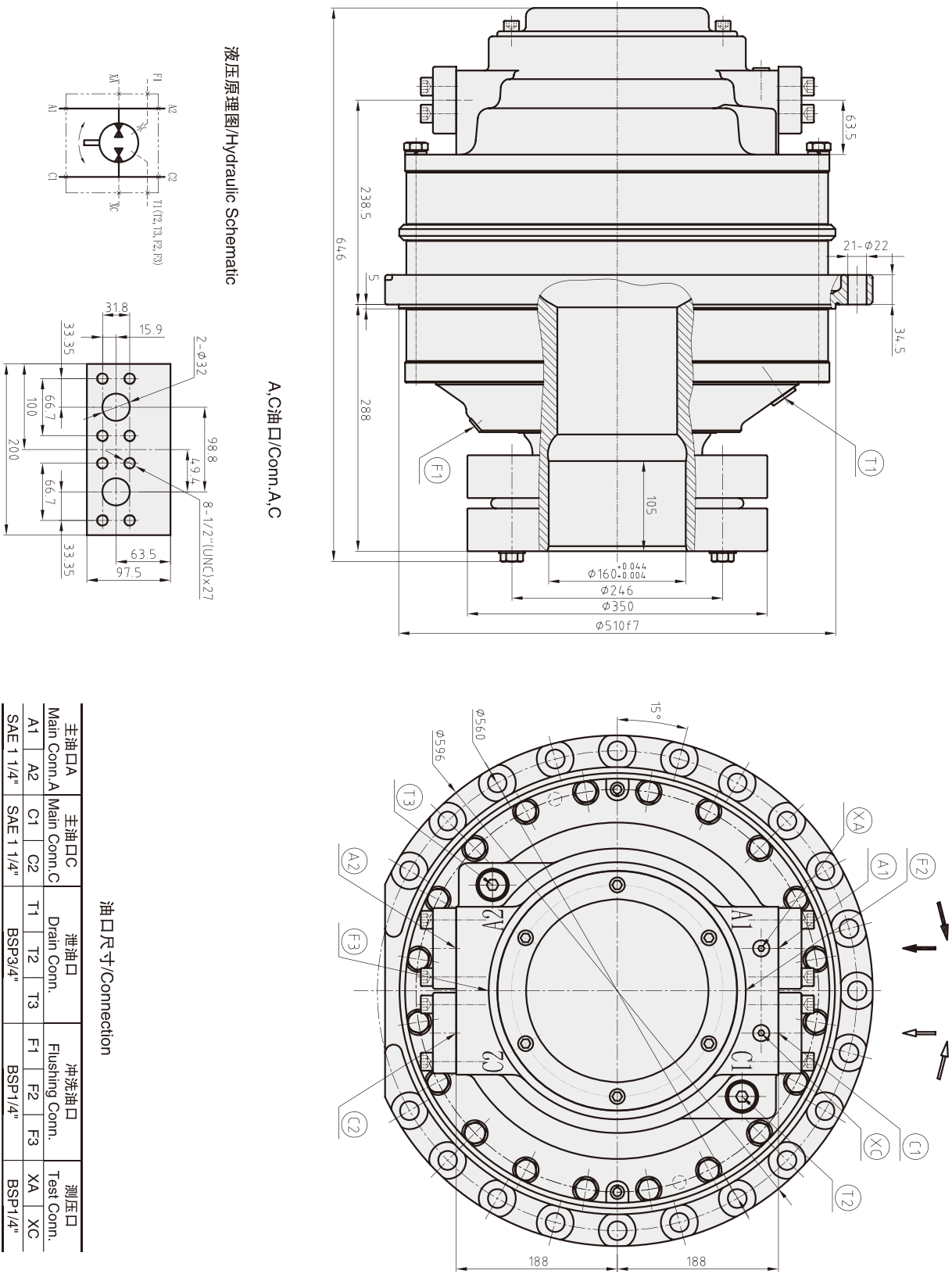
CA210系列/ CA210 Serie

CA210外形及安装尺寸/ CA210 Installation Dimensions



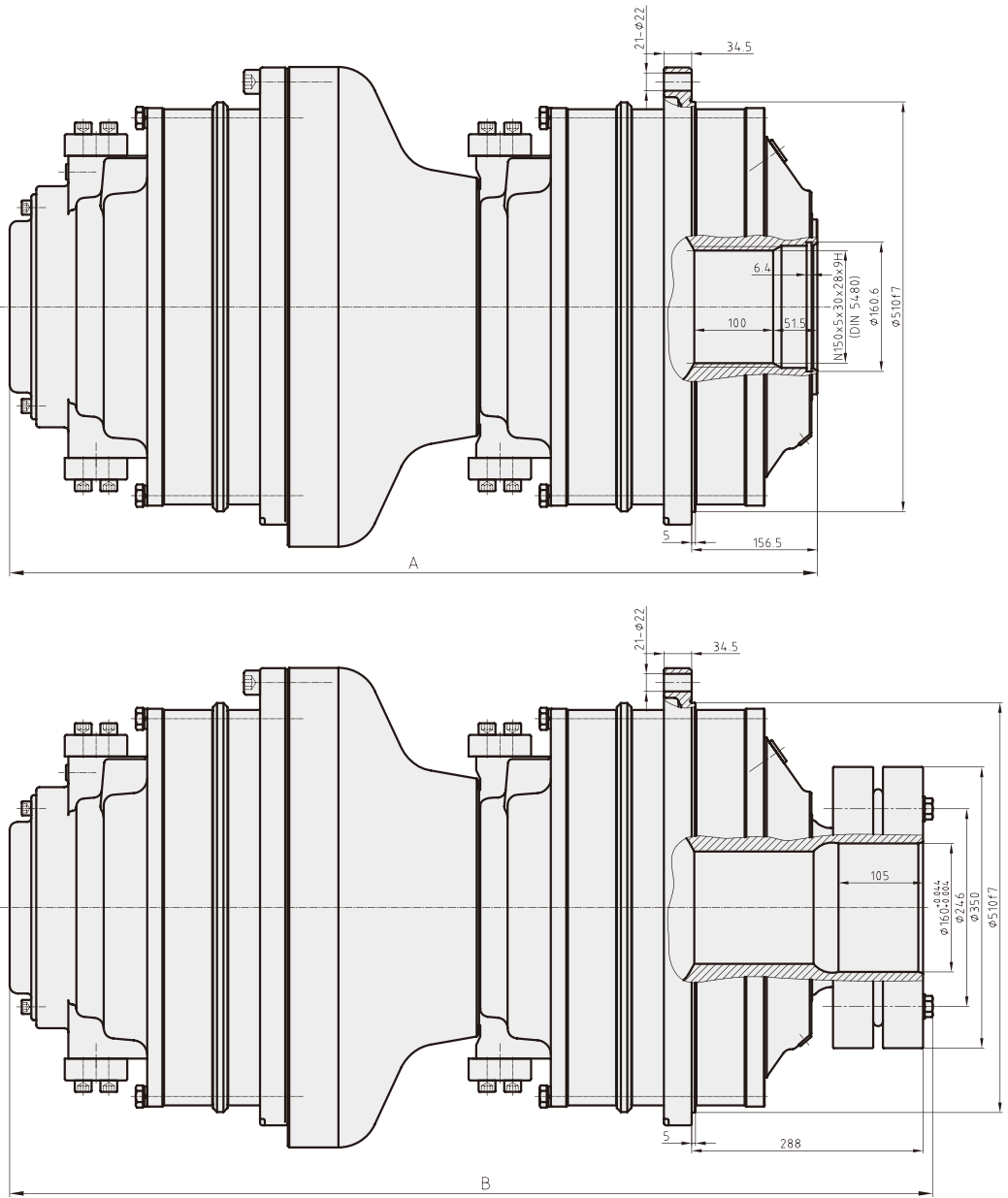
CA210系列/ CA210 Serie

CA210外形及安装尺寸/ CA210 Installation Dimensions



CA210系列/ CA210 Serie

CA210串联马达/ CA210 Motor Connected in Series



马达型号 TYPE	最大压力 Max.Pressure	最大转速 Max.Speed	重量(花键) Weight(Spline)	重量(锁紧盘) Weight(shrink disc coupling)	尺寸A Size A	尺寸B Size B
	bar	r/min	Kg	Kg	mm	mm
CA210+CA50	240	98	619	680	826	969
CA210+CA70	220		652	713	826	969
CA210+CA100	200		768	829	924	1067
CA210+CA140	180		808	869	924	1067
CA210+CA210	160		898	959	1004	1147

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。

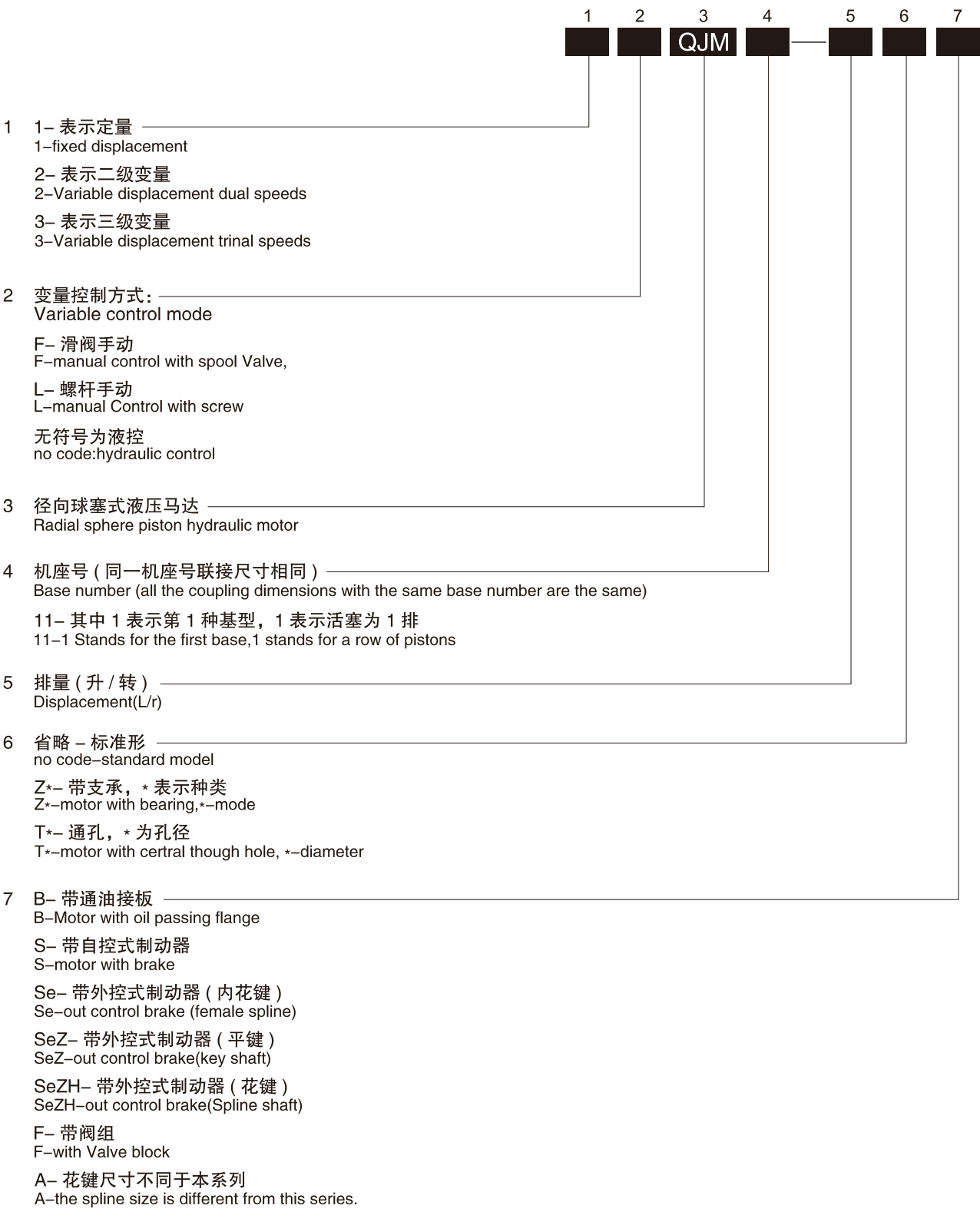
QJM hydraulic motor that can constitute a hydraulic actuator with different oil pumps, valves and hydraulic parts is able to adapt itself to all kinds of mechanical conditions by reason of some measures taken to its design. The motor has many advantages, e.g. light weight, small size, wide speed regulating 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

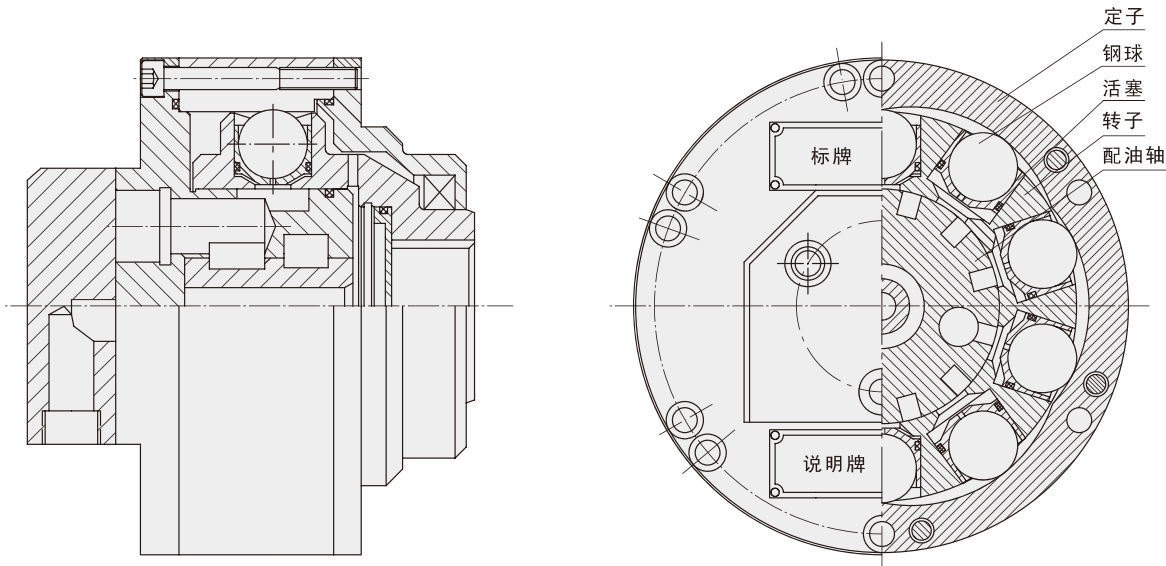
- 1、该型马达的滚动体用一只钢球代替了一般内曲线液压马达所用的两只以上滚轮和横梁，因而结构简单、工作可靠、体积小、重量显著减少。
- 2、运动副惯量小，钢球结实可靠，故该型马达可以在较高转速和冲击负载下连续工作。
- 3、摩擦副小，配油轴与转子内力平衡，活塞副具有静压平和良好润滑条件，并采用软性塑料球垫密封高压油，因而具有较高的机械和容积效率。
- 4、因配油轴与定子刚性联结，故该型马达进出油管允许用钢管连接。
- 5、该型马达具有二级和三级变排量，因而具有较大的调速范围。
- 6、结构简单，拆修方便。
- 7、该系列标准型液压马达的出轴一般只充许承受扭矩，不能承受径向和轴向外力、*QJM*—**Z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.

产品标识说明/ Ordering Code



QJM系列/ QJM Serie



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。

$$N = \frac{0.785d^2P}{\cos\alpha}$$
 式中d—活塞直径 p—工作油压力 α—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.

$$N = \frac{0.785d^2P}{\cos\alpha}$$
 d—piston diameter p—pressure of working oil α—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.

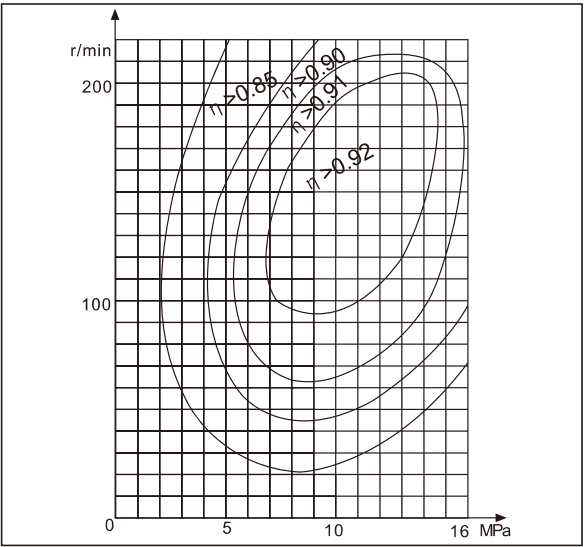
The stepping variable displacement of the hydraulic motor is controlled by the speed change valve (installed in the motor) that can be controlled by hand or the pilot-actuated valve, and also fixed in a position, which makes the motor into a fixed displacement motor (the requirements changed to the fixed 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系列/ QJM Serie

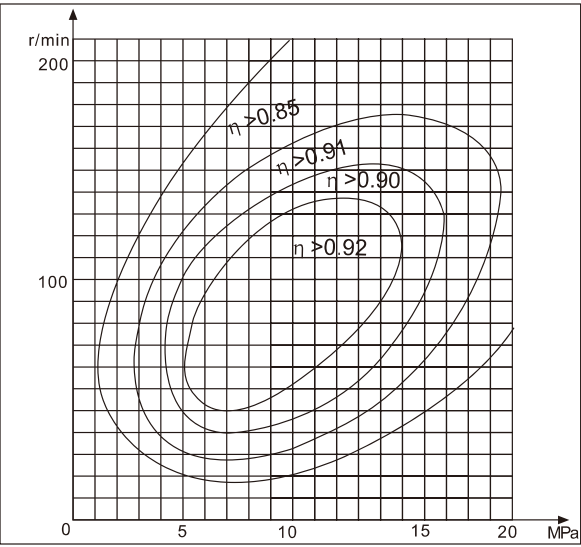
QJM型各基型的额定流量(= 额定转速 × 排量)
Flow Rate of QJM Motors=Rated Speed × Displacement

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

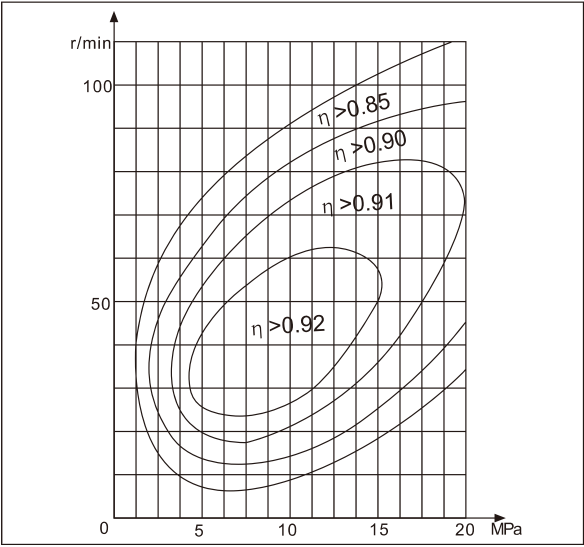
效率特性曲线/ Performance Curve of Efficiency



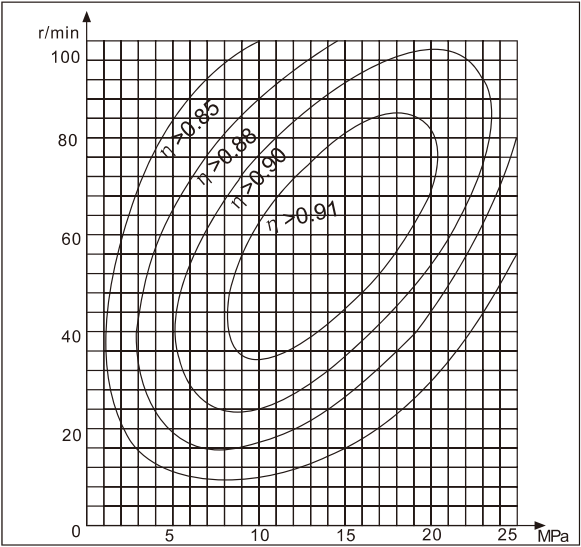
1QJM11-0.5型效率特性曲线
Model 1QJM11-0.5performance curve of efficiency



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

QJM系列/ QJM Serie

1QJM**--**型液压马达技术参数
1QJM**--** type of hydraulic motor technical data

型 号 Model	理论排量 Theory Displacement	压力/Pressure		转速范围 Rotational Speed Range	额定扭矩 Rated Torque	最大功率 Max. Power
		额定压力 Rated Pressure	尖峰压力 Max. Pressure			
	ml/r	Mpa	Mpa		N.m	KW
1QJM001-0.08	0.083	10	16	8-500	123	5
1QJM001-0.10	0.104	10	16	8-400	154	5
1QJM002-0.2	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
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	2.56	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 the QJM series hydraulic motor with bearing or valve group is the same as the standard type hydraulic motor's in the table above.

QJM系列/ QJM Serie

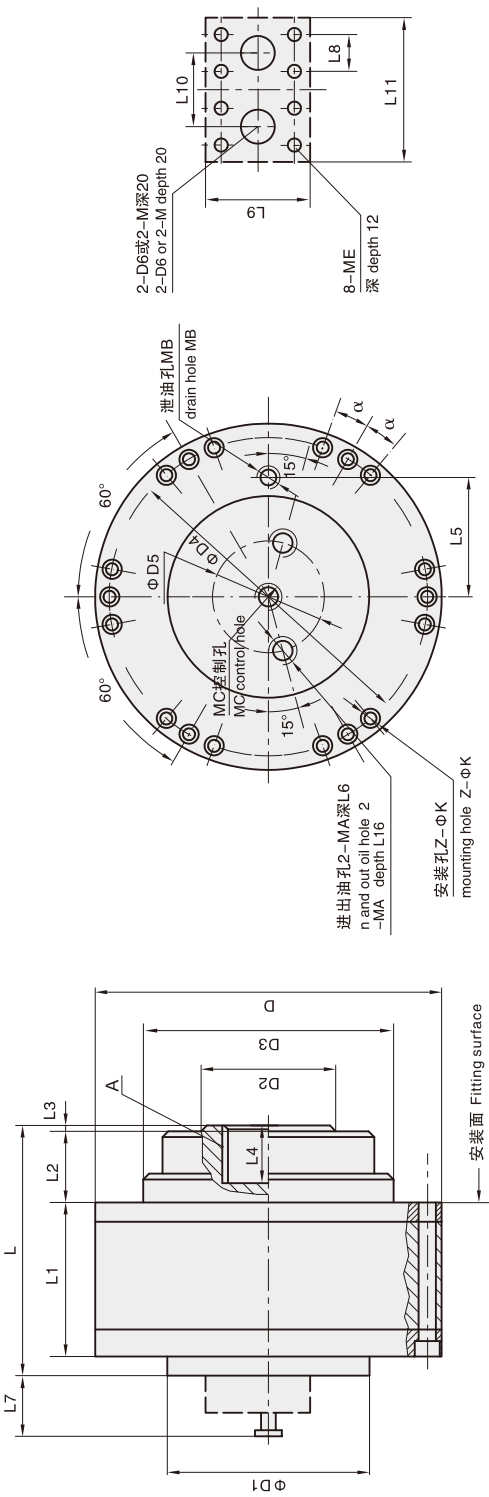


图1 外形安装图/ Installation Dimensions

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	Φ110g6	Φ128	12-Φ6.5	-	M18x1.5	-	M12 x 1.5	-	-	10°	6-48H11 x 42H11 x 12D9	7
1QJM01-**	130	80	37	3	30	62	20	-	-	-	-	-	Φ180	Φ105	Φ70	Φ130g7	Φ165	12-Φ9	Φ58	-	M27 x 2	M14 x 1.5	-	-	10°	6-48H11 x 42H11 x 12D9	15
1QJM02-**	162	99	38	3	34	62	20	-	-	-	-	-	Φ180	Φ105	Φ70	Φ130g7	Φ165	12-Φ9	Φ58	-	M27 x 2	M14 x 1.5	-	-	10°	6-48H11 x 42H11 x 12D9	24
1QJM11-**	132	82	33	3	32	87	18	-	-	-	-	-	Φ240	Φ150	Φ110	Φ160g7	Φ220	12-Φ11	Φ69	-	M33 x 2	M16 x 1.5	M12 x 1.5	-	10°	6-70H11 x 62H11 x 16D9	28
1QJM11-A	134	82	25	11	38	87	18	-	-	-	-	-	Φ240	Φ150	Φ60	Φ200g7	Φ220	12-Φ11	Φ69	-	M33 x 2	M16 x 1.5	-	-	10°	8-42H11 x 36H11 x 7D9	28
1QJM12-**	165	123	33	2	39	84	20	-	-	-	-	-	Φ240	Φ150	Φ110	Φ160g7	Φ220	12-Φ11	Φ69	-	M33 x 2	M16 x 1.5	M12 x 1.5	-	10°	6-90H11 x 80H11 x 20D9	39
2QJM21-**	168	99	29	14	38	100	20	110	-	48	58	150	Φ304	Φ150	Φ110	Φ160g7	Φ283	12-Φ11	Φ69	M33 x 2	M33 x 2	M22 x 1.5	M12 x 1.5	-	10°	6-90H11 x 80H11 x 20D9	50
2LSQJM21-**	215	138	43	10	55	115	22	95	-	-	-	-	Φ320	Φ165	Φ120	Φ170g7	Φ299	12-Φ13	Φ79	M33 x 2	M33 x 2	M22 x 1.5	M12 x 1.5	-	10°	10-98H11 x 92H11 x 14D9	70
2LSQJM32-**	209	160	16	12	35	124	22	151	73	105	104	204	Φ350	Φ190	Φ140	Φ200g7	Φ320	12-Φ13	Φ100	Φ40	M42 x 2	M22 x 1.5	M16 x 1.5	M16	10°	10-112H11 x 102H11 x 16D9	90
2LSQJM42-**	207	158	23	5	35	124	22	-	-	-	-	-	Φ340	Φ190	Φ120	Φ170g7	Φ320	12-Φ13	Φ100	-	M42 x 2	M22 x 1.5	-	-	10°	10-98H11 x 92H11 x 14D9	100
1QJM42-A	238	175	30	6	45	135	24	144	73	101	105	220	Φ420	Φ220	Φ160	Φ315g7	Φ360	6-Φ22	Φ110	Φ40	M48 x 2	M22 x 1.5	M16 x 1.5	M16	6°	10-120H11 x 112H11 x 18D9	150
2LSQJM52-**	264	182	29	11	45	165	24	144	73	101	123	255	Φ485	Φ255	Φ170	Φ395g7	Φ435	6-Φ22	Φ128	Φ48	M48 x 2	M22 x 1.5	M16 x 1.5	M16	6°	10-120H11 x 112H11 x 18D9	160
2LSQJM62-**																											

QJM系列/ QJM Serie

1 QJM**--**Z (Z2/Z3/Ze3)型液压马达技术参数
2 QJM**--**Z (Z2/Z3/Ze3) type of hydraulic motor technical data

型 号 Model	理论排量 Theory Displacement	压力/Pressure		转速范围 Rotational Speed Range	额定扭矩 Rated Torque	最大功率 Max. Power
		额定压力 Rated Pressure	尖峰压力 Max. Pressure			
	ml/r	Mpa	Mpa	r/min	N.m	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
12QJM21-0.32Z3	0.32 / 0.16	16	25	2-600	770 / 384	32
12QJM21-0.4Z3(Ze3)	0.4 / 0.2	16	25	2-400	957 / 479	32
12QJM21-0.5Z3(Ze3)	0.496 / 0.258	16	25	2-320	1175 / 588	32
12QJM21-0.63Z3(Ze3)	0.664 / 0.332	16	25	2-250	1572 / 786	32
12QJM21-0.8Z3(Ze3)	0.808 / 0.404	16	25	2-200	1913 / 957	32
12QJM21-1.0Z3(Ze3)	1.01 / 0.505	10	16	2-160	1495 / 748	25
12QJM21-1.25Z3(Ze3)	1.354 / 0.667	10	16	2-125	2004 / 1002	25
12QJM21-1.6Z3(Ze3)	1.65 / 0.825	10	16	2-100	2442 / 1221	25
12QJM32-0.63Z(Z3,Ze3)	0.635 / 0.318	20	31.5	3-500	1880 / 940	80
12QJM32-1.0Z(Z3,Ze3)	1.06 / 0.503	20	31.5	2-400	3138 / 1519	80
12QJM32-1.25Z(Z3,Ze3)	1.295 / 0.648	20	31.5	2-320	3833 / 1917	80
12QJM32-1.6Z(Z3,Ze3)	1.649 / 0.825	20	31.5	2-250	4881 / 2441	80
12QJM32-2.0Z(Z3,Ze3)	2.03 / 1.015	16	25	2-200	4807 / 2404	80
12QJM32-2.5Z(Z3,Ze3)	2.71 / 1.355	10	16	1-160	4011 / 2006	62
12QJM32-3.2Z(Z3,Ze3)	3.3 / 1.65	10	16	1-125	4884 / 2442	62
12QJM52-2.5Z	2.67 / 1.355	20	31.5	1-200	7903 / 3952	130
12QJM52-3.2Z	3.24 / 1.62	20	31.5	1-200	9590 / 4795	130
12QJM52-4.0Z	4.0 / 2.0	16	25	1-200	9472 / 4736	130
12QJM52-5.0Z	5.23 / 2.165	10	16	1-160	7740 / 3870	120
12QJM52-6.3Z	6.36 / 3.18	10	16	1-125	9413 / 4707	120
12QJM62-4.0Z	4.0 / 2.0	20	31.5	0.5-150	11840 / 5920	150
12QJM62-5.0Z	5.18 / 2.59	20	31.5	0.5-125	15333 / 7667	150
12QJM62-6.3Z	6.27 / 3.135	16	25	0.5-125	14847 / 7424	150
12QJM62-8.0Z	7.85 / 3.925	10	16	0.5-100	11618 / 5809	121
12QJM62-10Z	10.15 / 5.075	10	16	0.5-80	15022 / 7511	121

QJM系列/ QJM Serie

图1 外形安装图/ Installation Dimensions

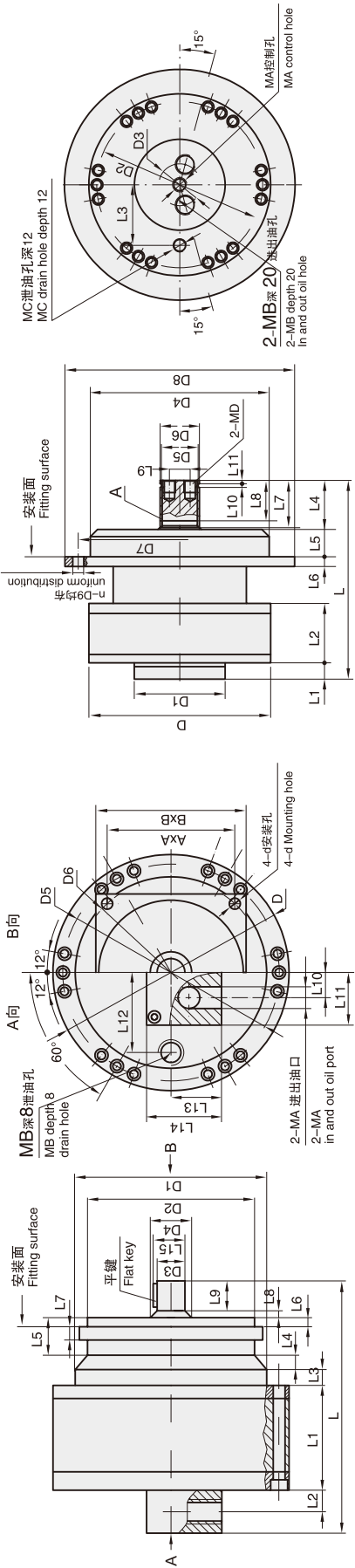


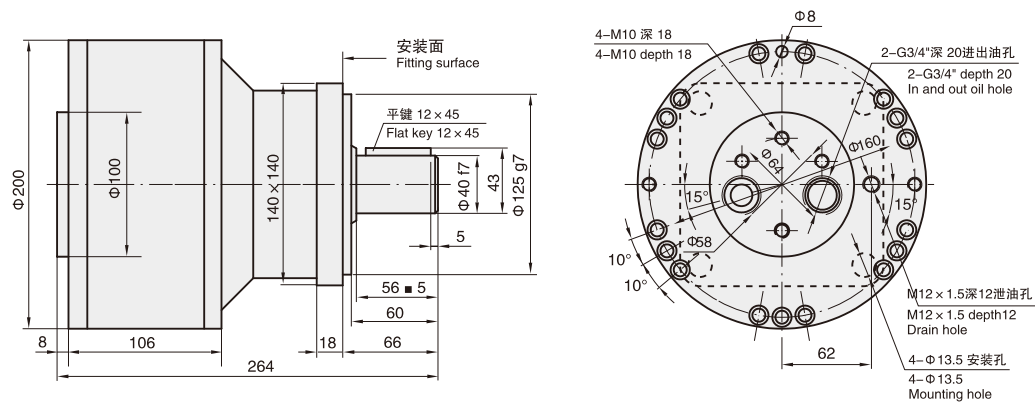
图1 型号 Model	重量 Weight (kg)														
	平键 b x L	B x B	A x A	进油口 MA	出油口 MB	d	D6	D5	D4	轴径 D3	联接止口 D2	D1	D	L15	L14
1QJM001-**Z	8 x 36	90 x 90	70 x 70	M18 x 1.5	M12 x 1.5	Φ11	Φ11	Φ128	Φ35 H7/k6	Φ25H8	Φ75g7	Φ110	Φ141	Φ141	Φ141
1QJM002-**Z	8 x 36	90 x 90	70 x 70	M18 x 1.5	M12 x 1.5	Φ11	Φ11	Φ128	Φ35 H7/k6	Φ25H8	Φ75g7	Φ110	Φ141	Φ141	Φ141
1QJM02-**Z	12 x 45	140 x 140	113 x 113	G3/4"	M14 x 1.5	Φ13.5	Φ160	Φ165	Φ55	Φ40k6	Φ125g7	Φ180	Φ180	Φ180	Φ180
1QJM11-**Z	12 x 45	142 x 142	113 x 113	M33 x 2	M16 x 1.5	Φ13.5	Φ160	Φ220	Φ55	Φ40f7	Φ125g7	Φ240	Φ240	Φ240	Φ240
1QJM12-**Z	14 x 72	178 x 178	141.5 x 141.5	G1"	M16 x 1.5	Φ18	Φ200	Φ220	Φ60	Φ50h7	Φ160h7	Φ240	Φ240	Φ240	Φ240

图2

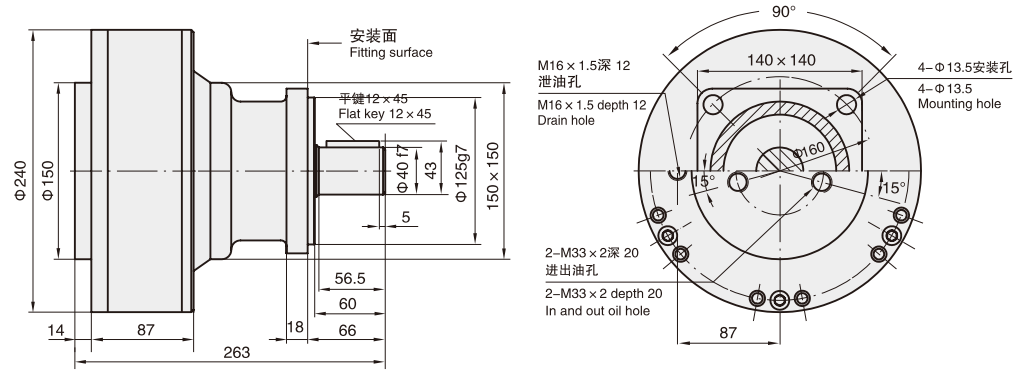
图2 型号 Model	重量 Weight (kg)														
	花键A Spline A	平键 Flat Key	MD	MC	MB	MA	n-D9	D8	D7	D6	D5	D4	D3	D2	D1
12QJM21-**Z3	-	C18x75	2-M12深20	M22x2	M33x2	M12x1.5	6-Φ18	Φ379	Φ335	Φ65f7	-	Φ195f9	Φ69	Φ283	Φ150
12QJM21-**Ze3	-	C18x75	2-M12深20	M22x2	M33x2	M12x1.5	6-Φ18	Φ300	Φ260	Φ65f7	-	Φ220f9	Φ69	Φ283	Φ150
12QJM32-**Z	10-82b11x72b11x128	-	2-M12深25	M22x2	M33x2	M12x1.5	6-Φ18	Φ335	Φ300	Φ82b11	Φ79	Φ250f7	Φ79	Φ299	Φ165
12QJM32-**Z2	10-82b11x72b11x128	-	2-M12深20	M22x2	M33x2	M12x1.5	6-Φ17	Φ430	Φ390	Φ92b11	Φ79	Φ340f9	Φ79	Φ299	Φ165
12QJM32-**Ze3	-	C18x75	中央孔M16 深25	M22x2	M33x2	M12x1.5	6-Φ18	Φ379	Φ335	Φ65f7	-	Φ295f9	Φ79	Φ299	Φ165
12QJM32-**Z3	-	C18x75	2-M12深25	M22x2	M33x2	M12x1.5	6-Φ18	Φ379	Φ335	Φ65f7	-	Φ295f9	Φ79	Φ299	Φ165
12QJM62-**Z	-	C22x132	中央孔M16 深40	M22x2	M48x2	M16x1.5	8-Φ20	Φ370	Φ340	Φ78h7	-	Φ295f7	Φ110	Φ360	Φ220
12QJM62-**Z	-	A25.4x120	-	M22x2	M48x2	M16x1.5	8-Φ22	Φ530	Φ490	Φ101.55	-	Φ400f8	Φ128	Φ435	Φ255

QJM系列/ QJM Serie

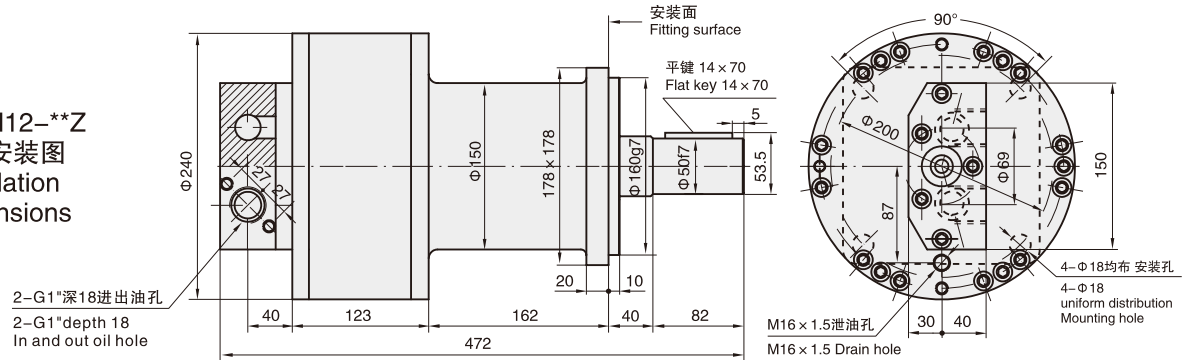
1QJM02-**-Z2
外形安装图
Installation
Dimensions



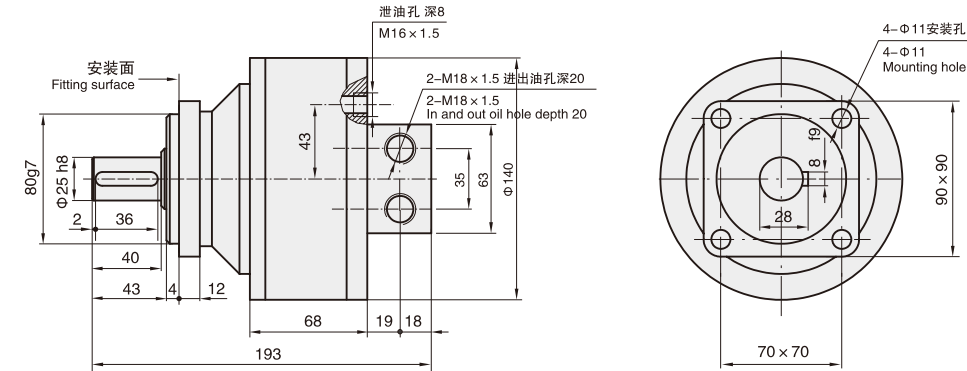
QJM11--Z
外形安装图
Installation
Dimensions



1QJM12-**-Z
外形安装图
Installation
Dimensions



1QJM001-0.1Z
外形安装图
Installation
Dimensions



QJM系列/ QJM Serie

¹QJM**-**S型自控式带制动器液压马达技术参数
Technical data of ¹/₂ QJM**-**S type of hydraulic motor with brake technical data

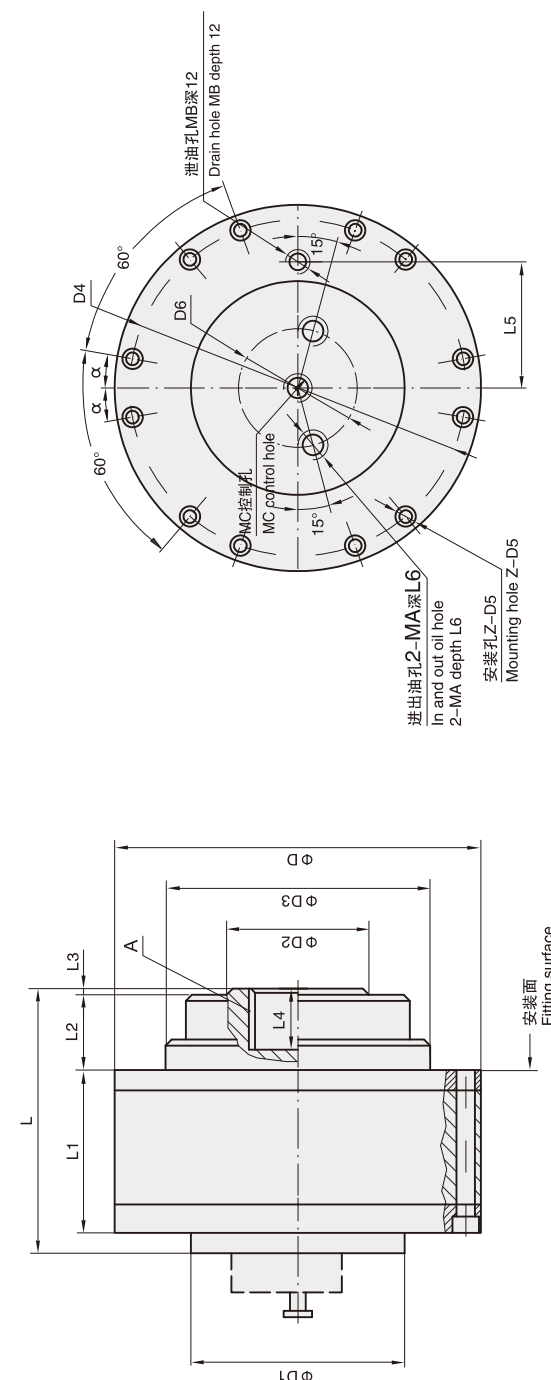
型 号 Model	理论排量 Theory Displacement ml/r	压力/Pressure		转速范围 Rotational Speed Range r/min	额定扭矩 Rated Torque N.m	制动器开启压力 Open brake Pressure Mpa	制动器 制动扭矩 Brake torque N.m
		额定压力 Rated Pressure Mpa	尖峰压力 Max. Pressure Mpa				
1QJM11-0.32S	0.317	10	16	5-400	468	4-6	400-600
1QJM11-0.40S	0.404	10	16	5-400	598	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

QJM系列/ QJM Serie

¹₂QJM**--**S型自控式带制动器液压马达技术参数
Technical data of ¹₂QJM**--**S type of hydraulic motor with brake technical data

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

QJM系列/ QJM Serie

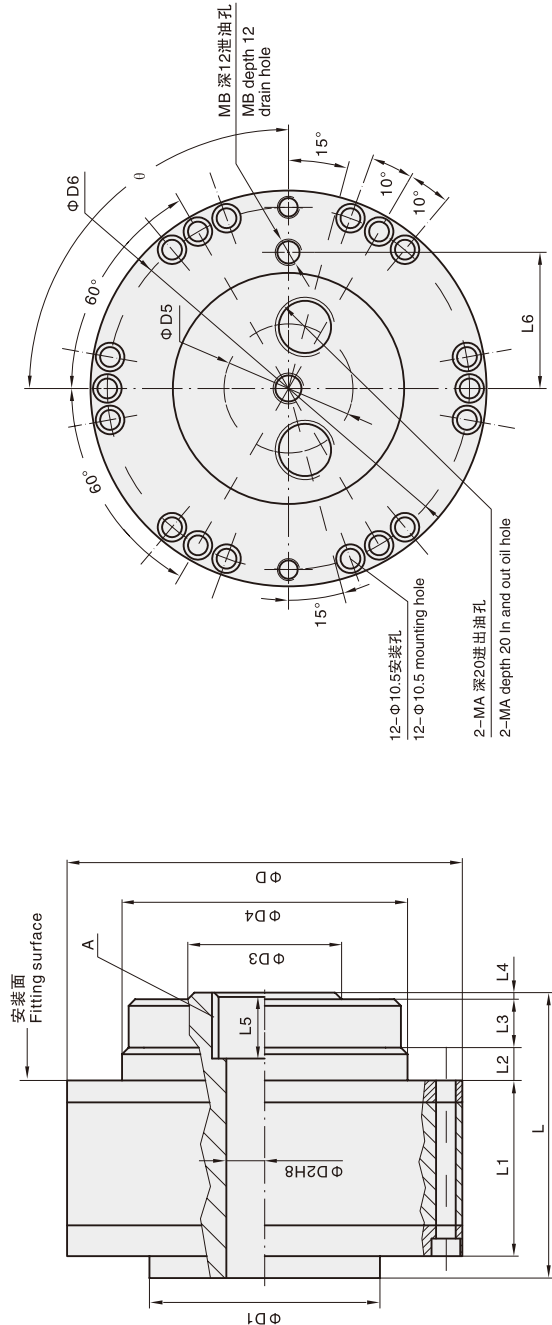


型 号 Model	L	L1	L2	L3	L4	L5	L6	D	D1	D2	D3	D4	Z-D5	D6	MA	MB	MC	α	A	重量 Weight (kg)
1 2 QJM11--S	146.5	97	20	11.5	28	87	20	φ240	φ150	φ100	φ160g7	φ220	12-φ11	φ69	M33x2	M16x1.5	M12x1.5	10°	6-70H11x62H11x16D9	35
1 2 QJM21--S	170	117	17	7	31	100	20	φ304	φ150	φ100	φ160g7	φ220	12-φ11	φ69	M33x2	M22x1.5	M12x1.5	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	197	56	2	55	135	24	φ420	φ220	φ160	φ215g7	φ360	10-φ22	φ110	M48x2	M22x1.5	M12x1.5	6°	10-120H11x120H11x18D9	167

¹/₂QJM**--**T**型通孔液压马达技术参数
¹/₂QJM**--**T** type of hydraulic motor technical data

型 号 Model	理论排量 Theory Displacement ml/r	压力/Pressure		转速范围 Rotational Speed Range r/min	额定扭矩 Rated Torque N.m	通孔直径 Through hole dia mm
		额定压力 Rated Pressure Mpa	尖峰压力 Max. Pressure Mpa			
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 / 1569	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 / 136	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	9690 / 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 / 5.057	10	16	0.5-80	15022 / 7501	125

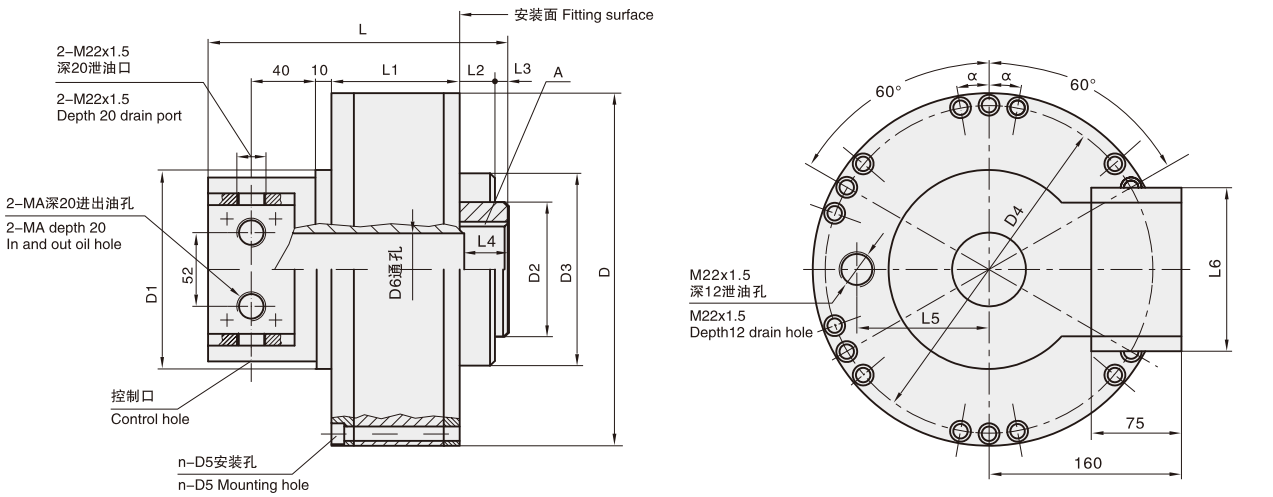
外形安装图/ Installation Dimensions



型号 Model	重量 Weight (kg)	A	MB	MA	D6	D5	D4	D3	D2	D1	D	θ	L6	L5	L4	L3	L2	L1	L
1QJM01-~**T40	15	6-48H11 × 42H11 × 12D9	M12 × 1.5	M22 × 1.5	φ65	φ70	φ130g6	φ110	φ40	φ130	φ180	180°	53	30	3	23	15	79	130
1QJM11-~**T50	26	6-70H11 × 62H11 × 16D9	M16 × 1.5	M22 × 1.5	φ220	φ80	φ160g6	φ100	φ50	φ150	φ240	90°	87	28	3	17	16	87	139

QJM系列/ QJM Serie

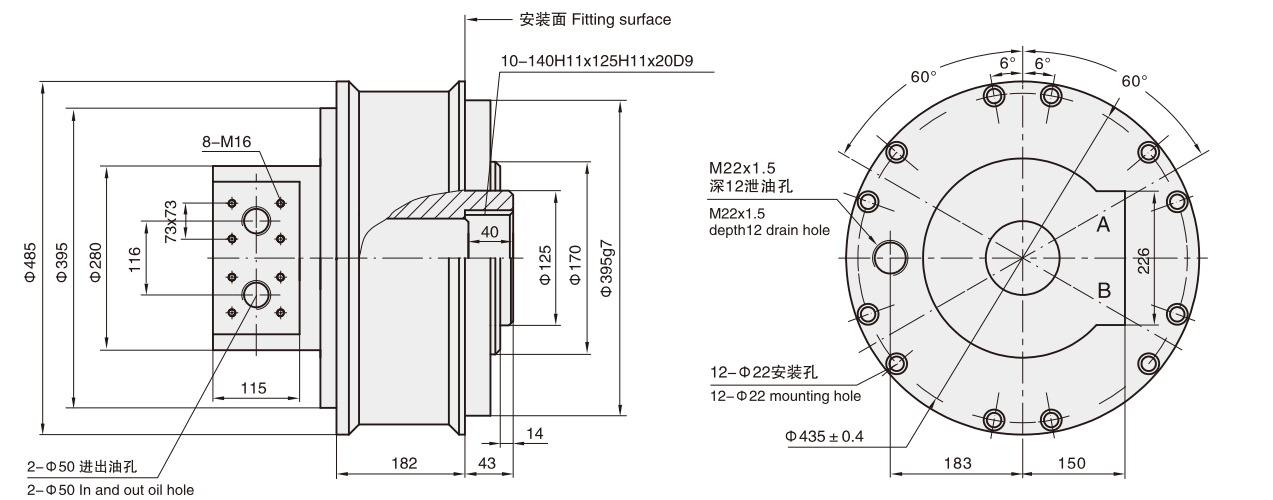
外形安装图/ Installation Dimensions



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)
$\frac{1}{2}$ QJM21-**T50	229	99	29	14	36	100	156	Φ300	Φ178	Φ110	Φ160g6	Φ283	10-Φ11	Φ50	M27x2	10°	10-98H11x92H11x14D9	60
$\frac{1}{2}$ QJM21-**T65	230	98	29	14	37	110	146	Φ304	Φ186	Φ110	Φ160g6	Φ283	10-Φ11	Φ65	M33x2	10°	10-98H11x92H11x14D9	64
$\frac{1}{2}$ QJM32-**T75	273	138	43	10	41	115	146	Φ320	Φ186	Φ120	Φ170g6	Φ299	10-Φ13	Φ75	M33x2	10°	10-98H11x92H11x14D9	88
$\frac{1}{2}$ QJM42-**2.5T80	292	160	16	30	40	124	146	Φ350	Φ190	Φ140	Φ200h8	Φ320	10-Φ13	Φ80	M33x2	10°	10-112H11x102H11x16D9	120
$\frac{1}{2}$ 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外形安装图/ 1QJM62-**T125 Installation Dimensions



ZYC系列/ ZYC Serie

产品标识说明/ Ordering Code

ZYCXXXXXX

普林斯液压传动装置
Blince hydraulic transmission device

行星减速器齿轮模数及传动级数
Gear modulus of planetary gear reducer & grade

液压传动装置总排量 (ml/rev)
Total displacement of hydraulic transmission device (ml/rev)

输出轴形式/ Form of output shaft
B表示平键轴/ B indicates flat key shaft
C表示螺纹法兰联接/ C indicates screwed flange connection
F表示矩形花键轴/ F indicates rectangular spline shaft
I表示内花键轴/ I indicates internal spline shaft

Z表示带制动器，无制动器省略
Z indicates with brake; no letter indicates without brake

液压马达配流器型号，请参见马达样本
Model of distributor of hydraulic motor, Please refer to hydraulic motor catalogue.

系统压力等级，H为20Mpa，省略时为16Mpa
System pressure grade, Hindicates 20MPa, default is 16MPa

参数说明/ Description on Parameters

- 1、总排量为液压马达排量乘以减速传动比。

2、额定扭矩是在系统压力为16MPa或20MPa时，考虑传动效率后的实际输出扭矩。

3、传动效率包括液压马达的机械效率和行星减速器机械效率。
1. The total displacement is calculated by multiplying hydraulic motor displacement with reduction transmission ratio.

2. Rated torque is the actual output torque taking transmisson efficiency into account when system pressure is 16MPa or 20MPa

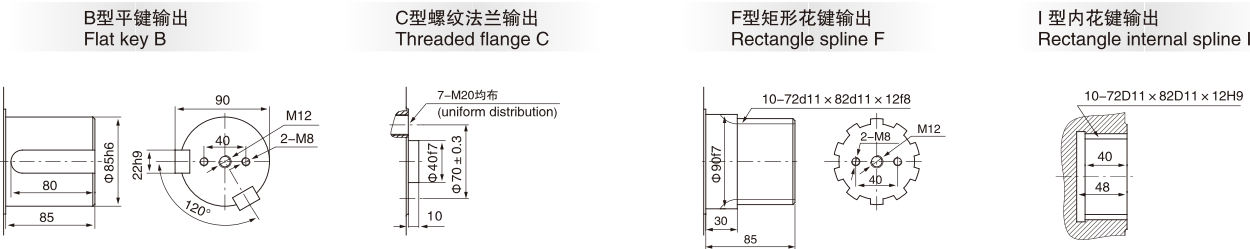
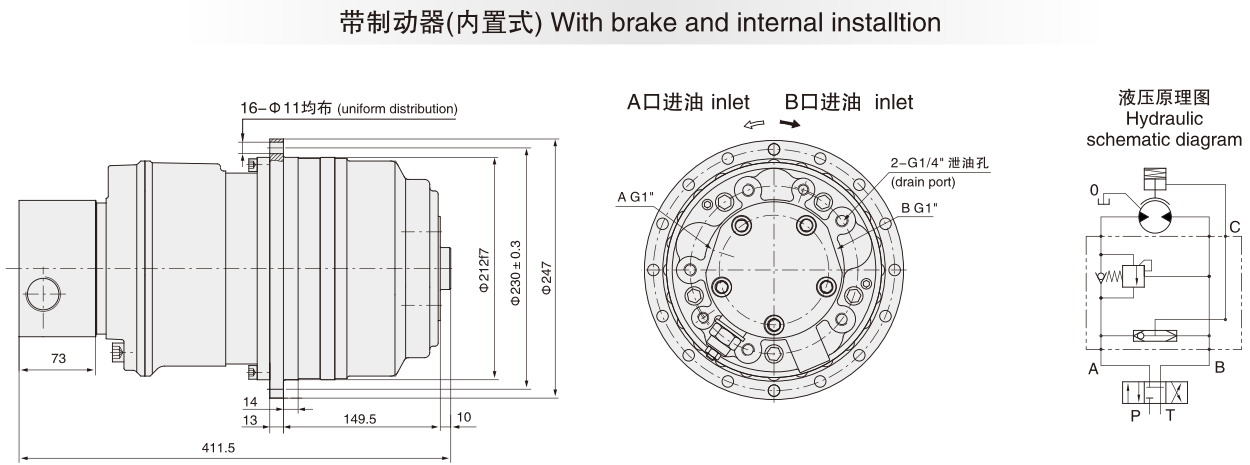
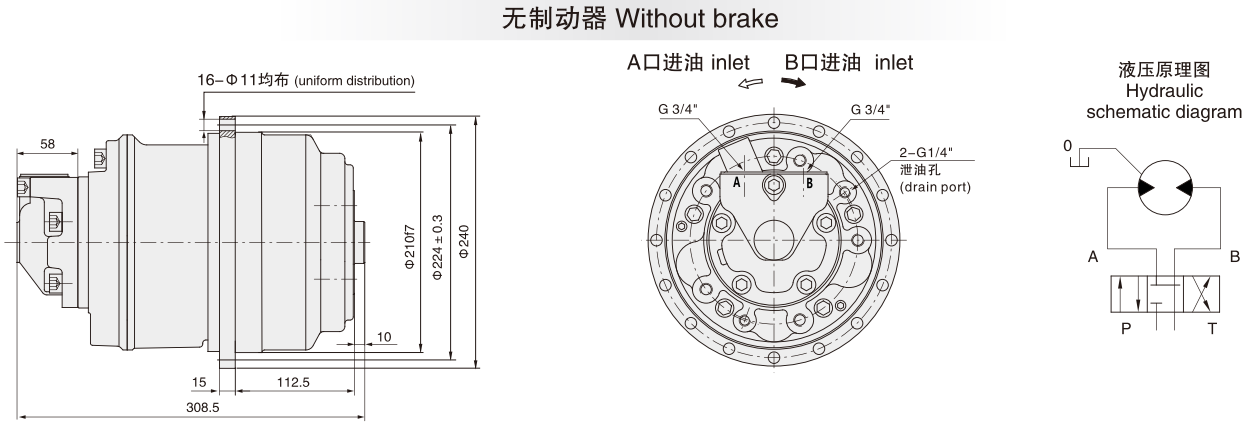
3. Transmission efficiency includes the mechanical efficiency of hydraulic motor and the mechanical efficiency of planetary reducer.

选型举例/ Example of Model Selection

ZYC3-1000CZPD501H 表示该液压传动装置采用单机行星减速器动行，齿轮箱模数为3，总排量为1000ml/rev，输出轴采用螺纹连接，带制动及平衡阀组，液压马达配流器D501，额定压力等级为20MPa。

ZYC3-1000CZPD501H means the hydraulic transmission device adopts single-grade planetary reducer transmission with modulus of gearbox being 3 and total displacement of 100ml/rev; The output shaft adopts screwed connection, With brake and balance valve group, Hydraulic motor distributor is D501 and the rated pressure grade is 20MPa.

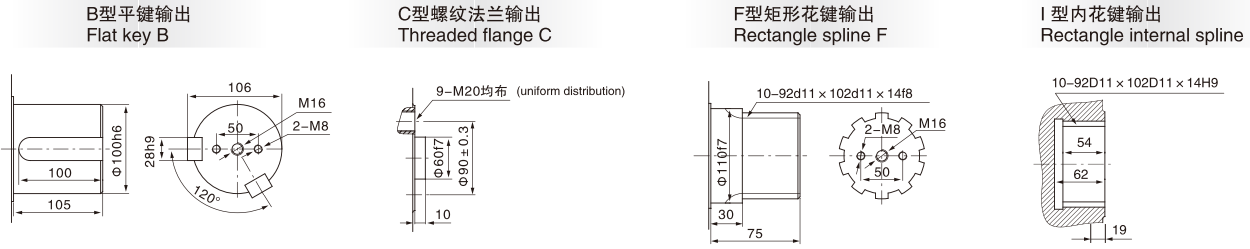
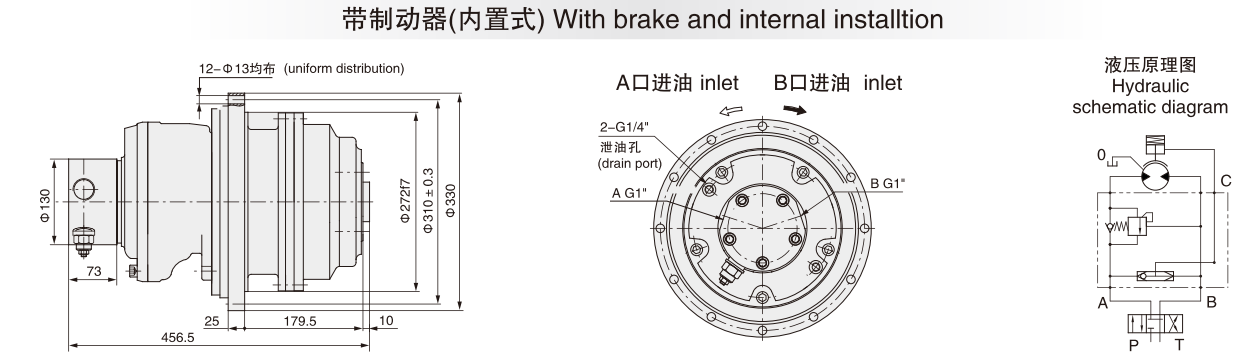
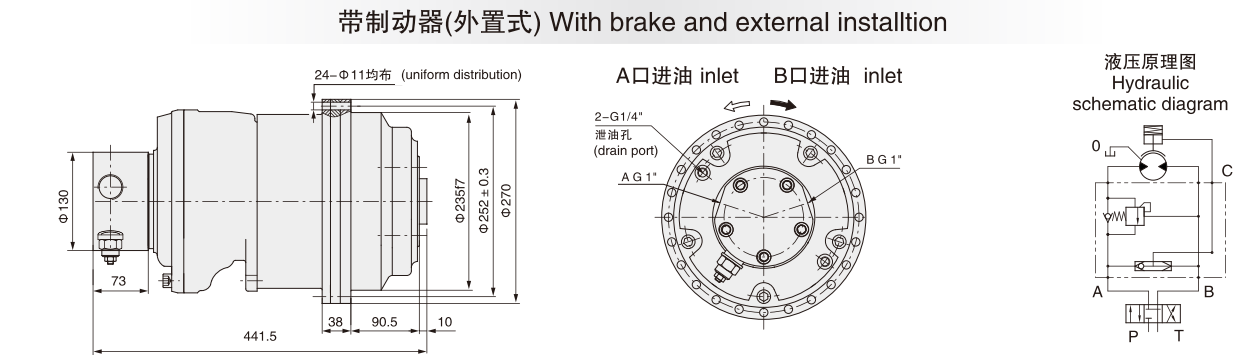
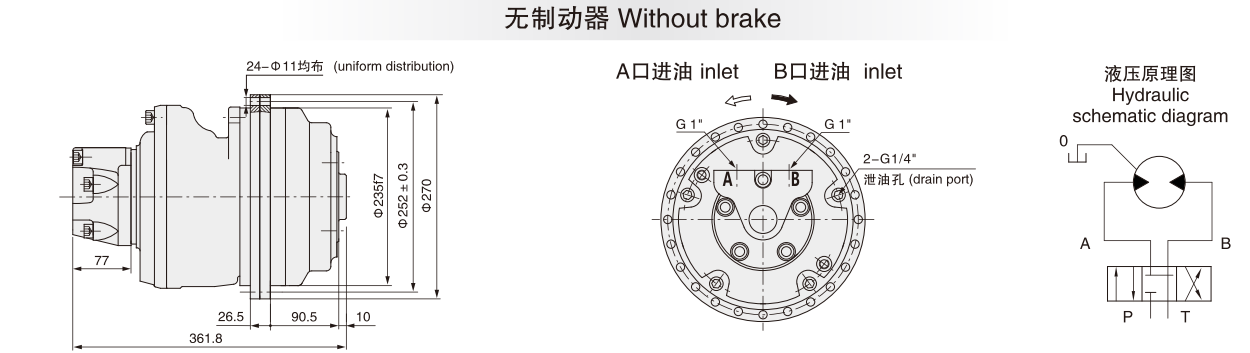
ZYC2.5系列/ ZYC2.5 Serie



型 号 Model	总排量 Displacement (ml/r)	额定扭矩 Rated Torque (N.m) 20MPa	转速范围 Speed range (r/min)	总效率 Total efficiency	液压马达型号 Hydraulic motor model	行星减速 机型号 Planetary gearbox	制动器型号 Brake
ZYC2.5-550	575	1630	0-90	0.88-0.9	ZGM05-110	C2.5-5	Z2.5
ZYC2.5-650	645	1826	0-90	0.88-0.9	ZGM05-130	C2.5-5	Z2.5
ZYC2.5-750	755	2136	0-90	0.88-0.9	ZGM05-150	C2.5-5	Z2.5
ZYC2.5-850	830	2350	0-90	0.88-0.9	ZGM05-170	C2.5-5	Z2.5
ZYC2.5-950	955	2706	0-90	0.88-0.9	ZGM05-200	C2.5-5	Z2.5
ZYC2.5-1050	1050.5	2976	0-90	0.88-0.9	ZGM05-200	C2.5-5.5	Z2.5

注：如客户需要其它速比和其它输出形式，请与本公司联系。
Note: If the customer need other speed ratio and other output form, please contact with us.

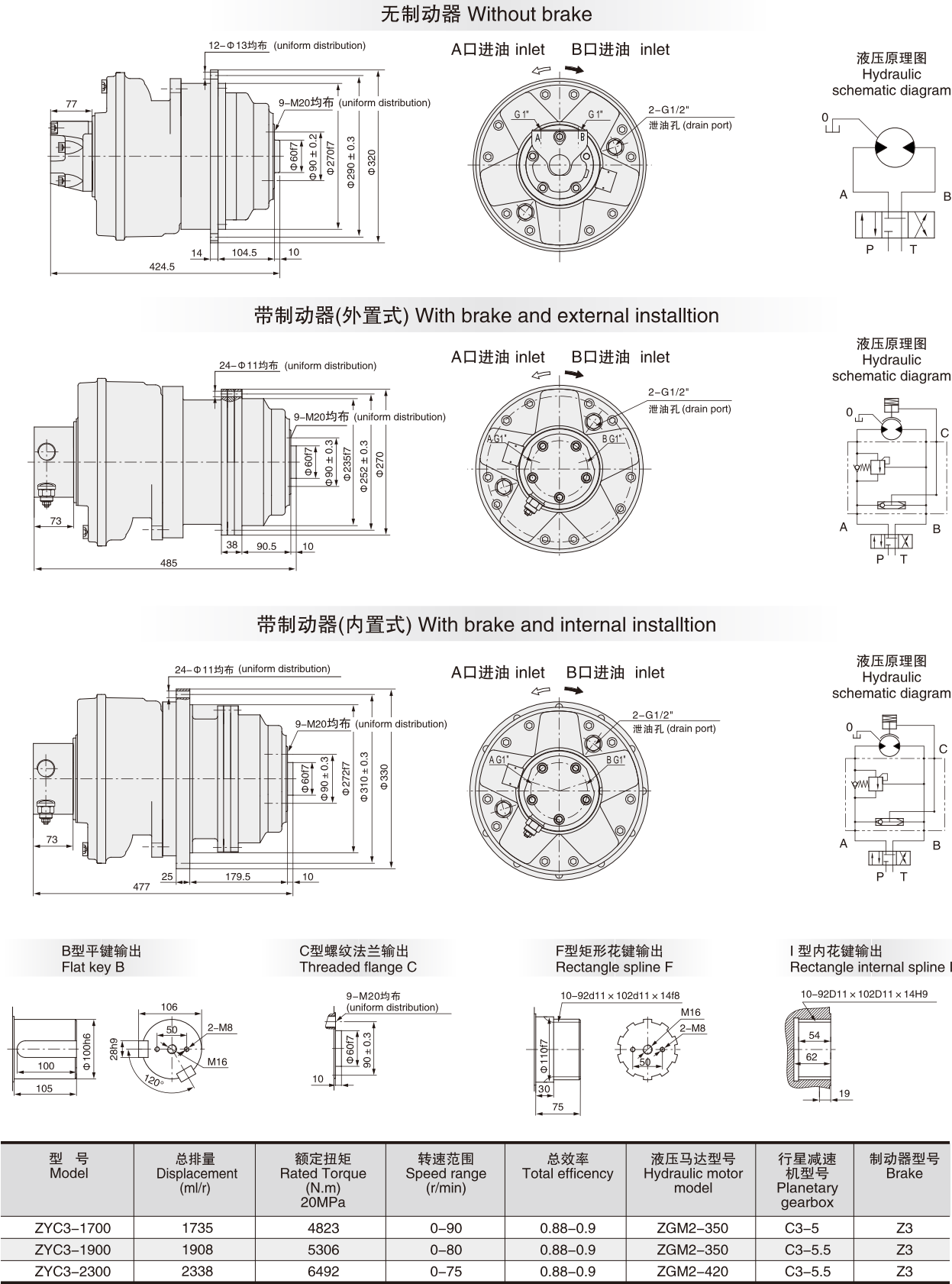
ZYC3系列/ ZYC3 Serie



型 号 Model	总排量 Displacement (ml/r)	额定扭矩 Rated Torque (N.m) 20MPa	转速范围 Speed range (r/min)	总效率 Total efficiency	液压马达型号 Hydraulic motor model	行星减速 机型号 Planetary gearbox	制动器型号 Brake
ZYC3-1250	1215	3382	0-90	0.88-0.9	ZGM1-250	C3-5	Z3
ZYC3-1450	1450	4022	0-90	0.88-0.9	ZGM1-300	C3-5	Z3
ZYC3-1600	1570	4361	0-90	0.88-0.9	ZGM1-320	C3-5	Z3

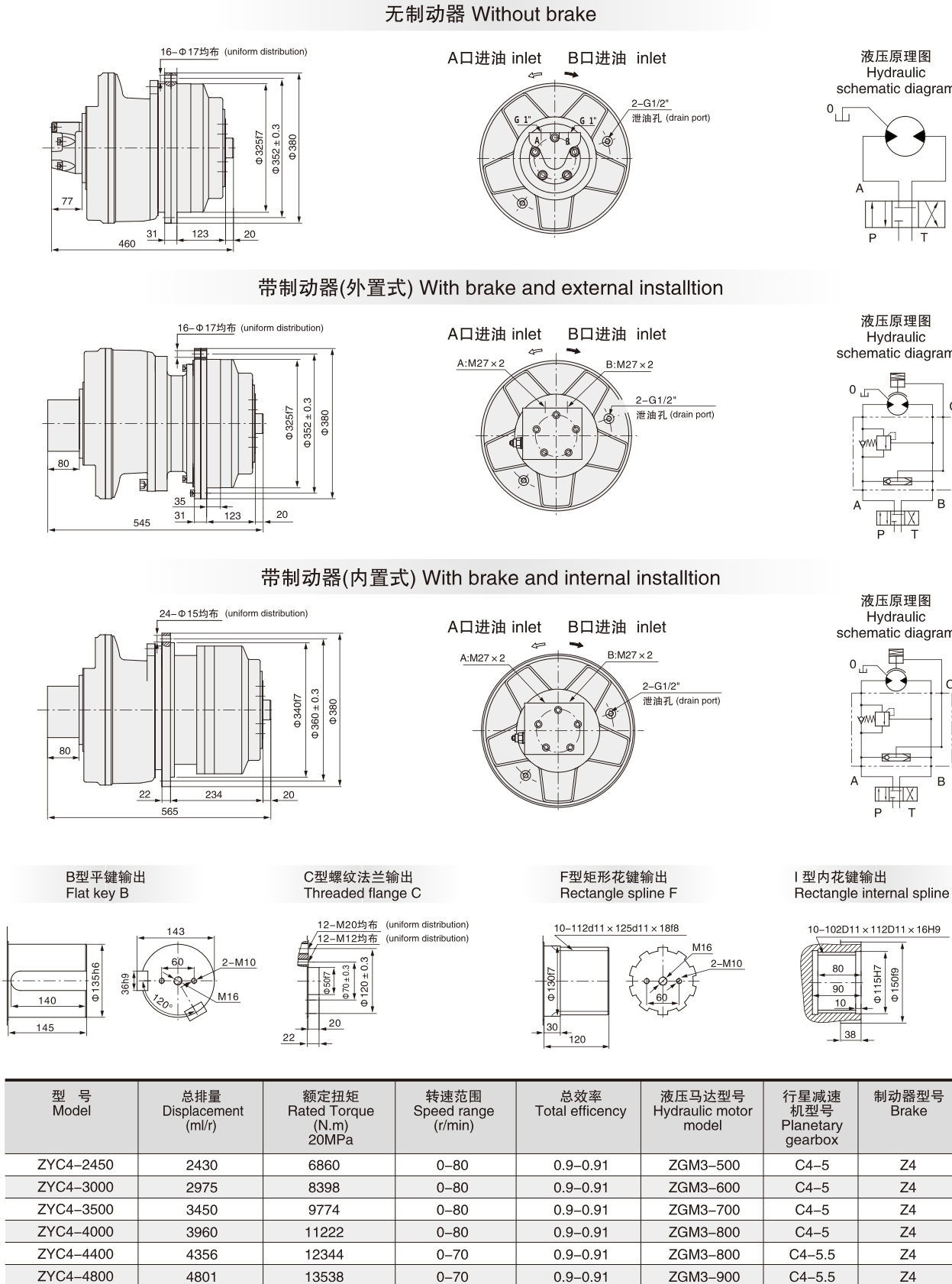
注：如客户需要其它速比和其它输出形式，请与本公司联系。
Note: If the customer need other speed ratio and other output form, please contact with us.

ZYC3系列/ ZYC3 Serie



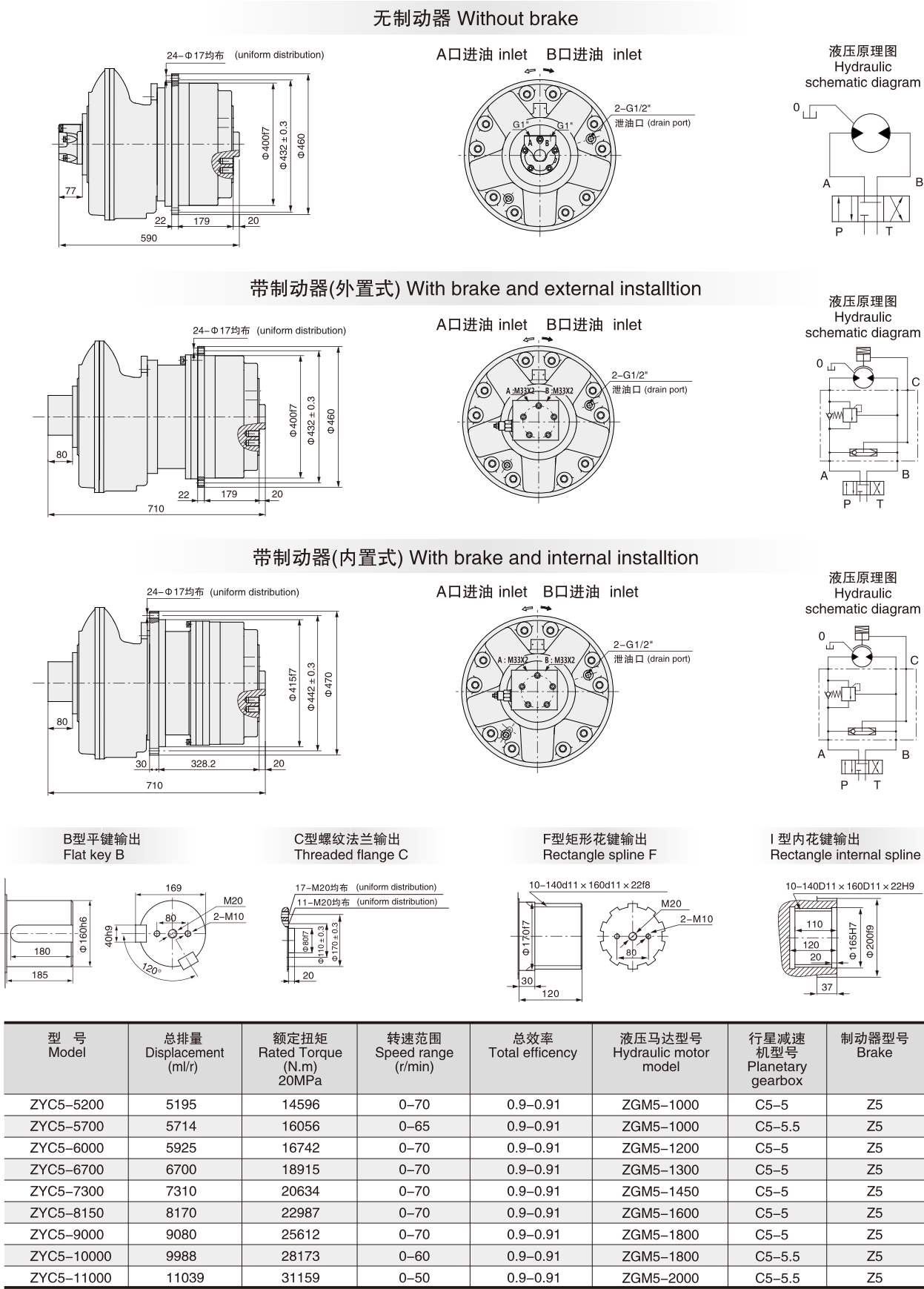
注：如客户需要其它速比和其它输出形式，请与本公司联系。
Note: If the customer need other speed ratio and other output form, please contact with us.

ZYC4系列/ ZYC4 Serie



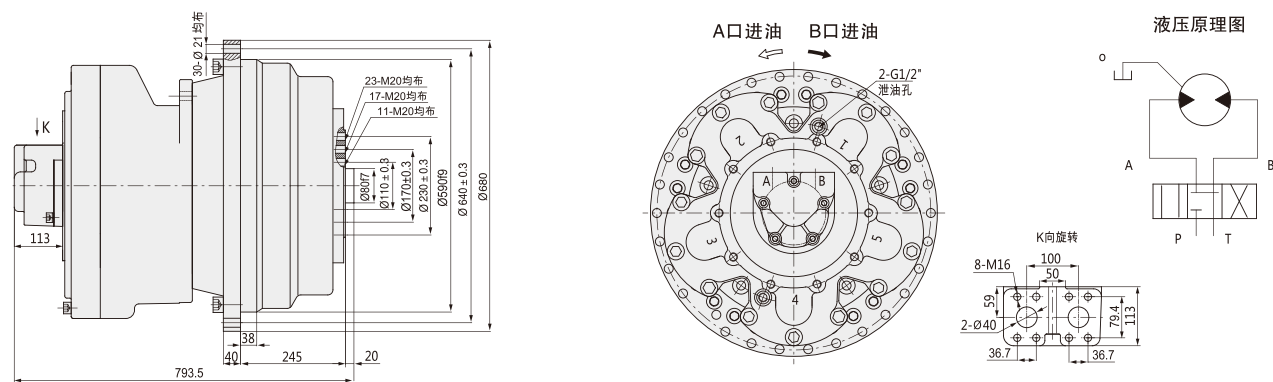
注：如客户需要其它速比和其它输出形式，请与本公司联系。
Note: If the customer need other speed ratio and other output form, please contact with us.

ZYC5系列/ ZYC5 Serie

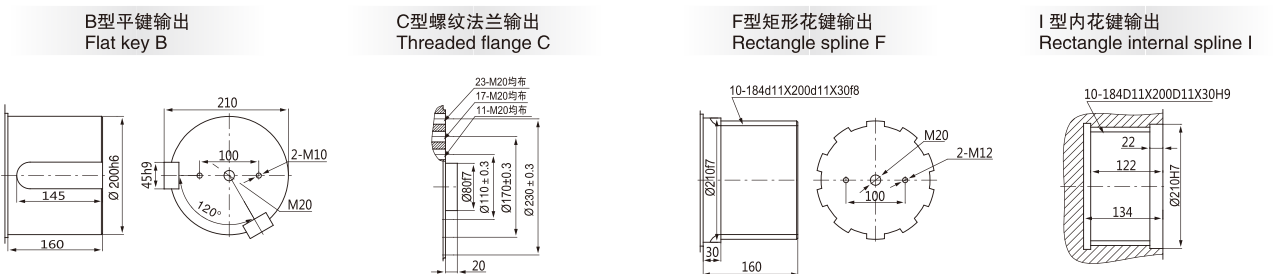
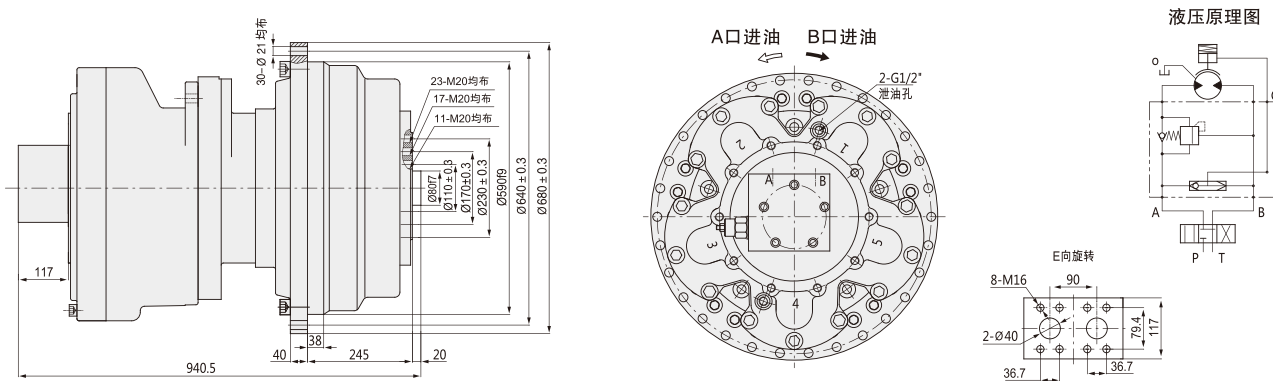


ZYC7系列/ ZYC7 Serie

无制动器 Without brake



带制动器(外置式) With brake and external installtion

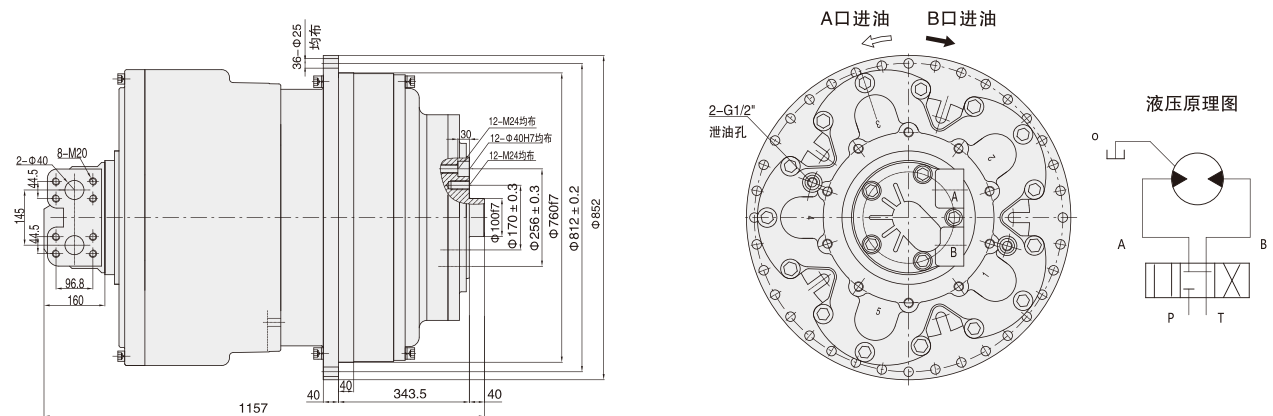


型 号 Model	总排量 Displacement (ml/r)	额定扭矩 Rated Torque (N.m) 20MPa	转速范围 Speed range (r/min)	总效率 Total efficiency	液压马达型号 Hydraulic motor model	行星减速 机型号 Planetary gearbox	制动器型号 Brake
ZYC7-15200	14925	42995	0-35	0.9-0.91	ZGM7-3000	C7-5	Z7
ZYC7-16500	16450	47332	0-35	0.9-0.91	ZGM7-3300	C7-5	Z7
ZYC7-18000	18055	51947	0-35	0.9-0.91	ZGM7-3600	C7-5	Z7
ZYC7-21500	21490	61902	0-35	0.9-0.91	ZGM7-4300	C7-5.5	Z7
ZYC7-23650	23639	68092	0-30	0.9-0.91	ZGM7-4300	C7-5.5	Z7

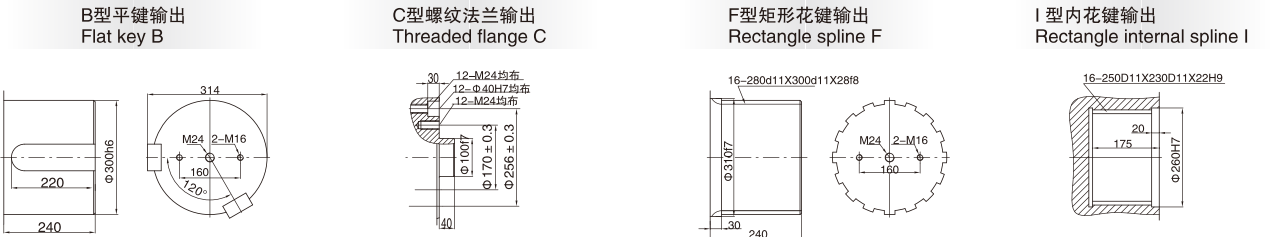
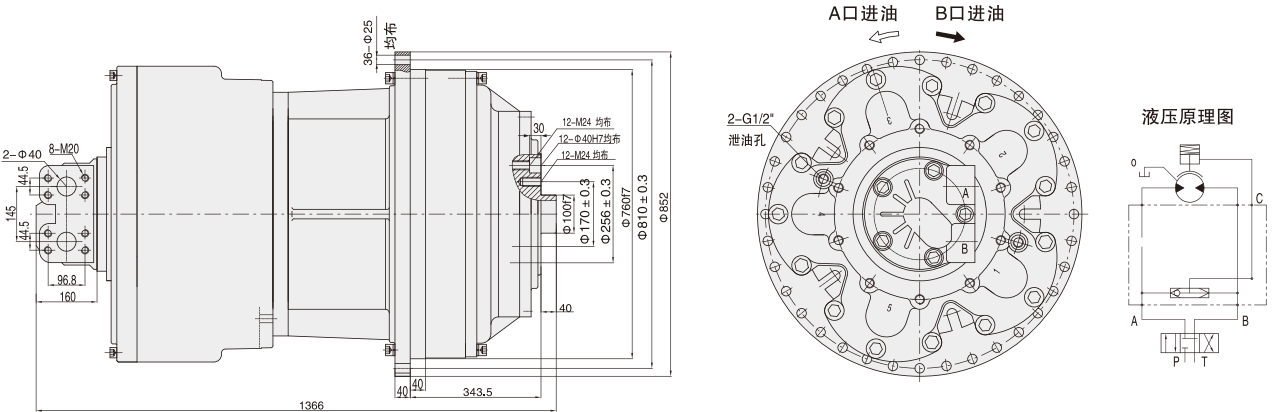
注：如客户需要其它速比和其它输出形式，请与本公司联系。
Note: If the customer need other speed ratio and other output form, please contact with us.

ZYC9系列/ ZYC9 Serie

无制动器 Without brake



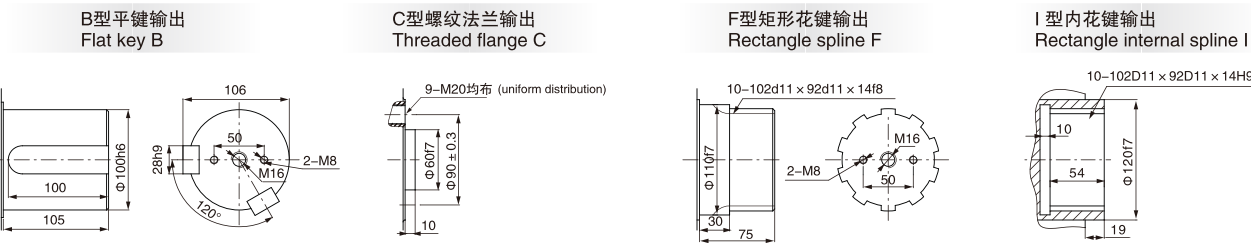
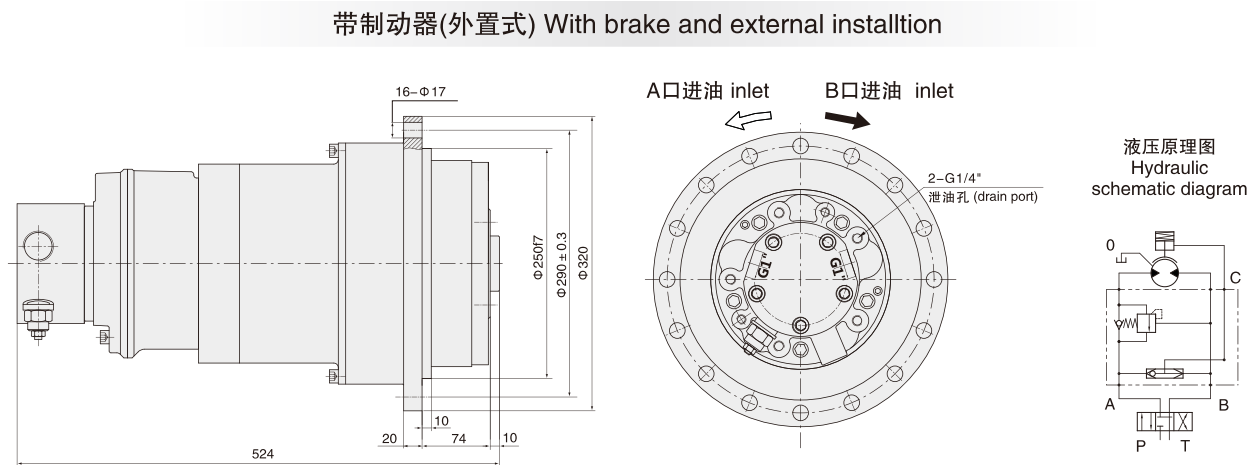
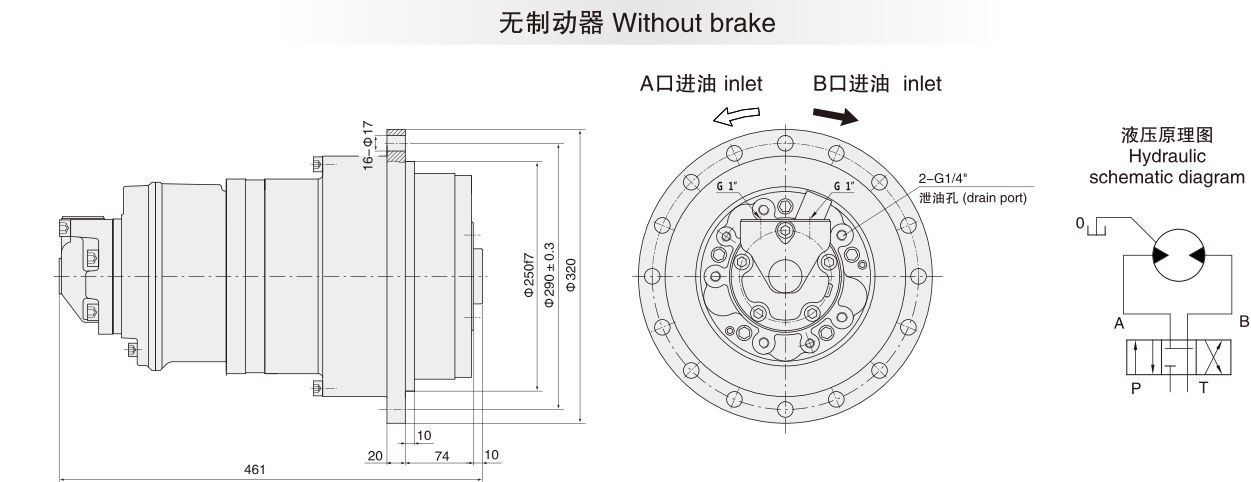
带制动器(外置式) With brake and external installtion



型 号 Model	总排量 Displacement (ml/r)	额定扭矩 Rated Torque(N.m)		转速范围 Speed range (r/min)	总效率 Total efficiency	液压马达型号 Hydraulic motor model	行星减速机型号 Planetary gearbox	制动器型号 Brake
		16MPa	20MPa					
ZYC9-23000	23090	51744	64680	0-15	0.9-0.91	ZGM9-4600	C9-5.0	Z9
ZYC9-28500	28270	63360	79200	0-15	0.9-0.91	ZGM9-5700	C9-5.0	Z9
ZYC9-33000	33180	74342	92928	0-15	0.9-0.91	ZGM9-6600	C9-5.0	Z9
ZYC9-38500	33480	86240	107800	0-15	0.9-0.91	ZGM9-7700	C9-5.0	Z9
ZYC9-44000	44180	98982	-	0-15	0.9-0.91	ZGM9-8800	C9-5.0	Z9
ZYC9-48400	48598	108880	-	0-15	0.9-0.91	ZGM9-8800	C9-5.5	Z9
ZYC9-55000	55291	123904	-	0-15	0.9-0.91	ZGM9-10000	C9-5.5	Z9
ZYC9-66000	66143	148220	-	0-15	0.9-0.91	ZGM9-12000	C9-5.5	Z9

注：如客户需要其它速比和其它输出形式，请与本公司联系。
Note: If the customer need other speed ratio and other output form, please contact with us.

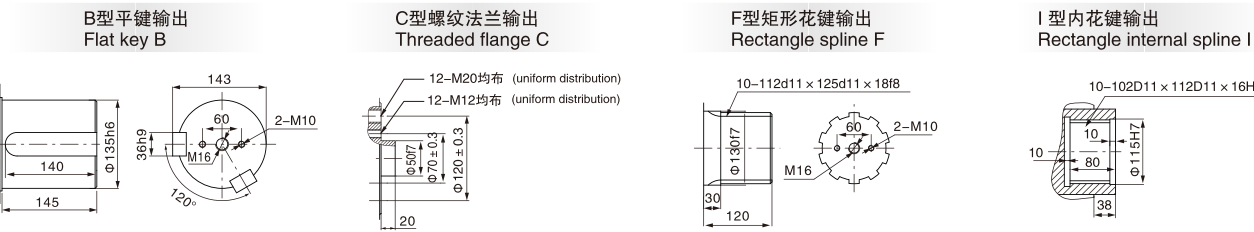
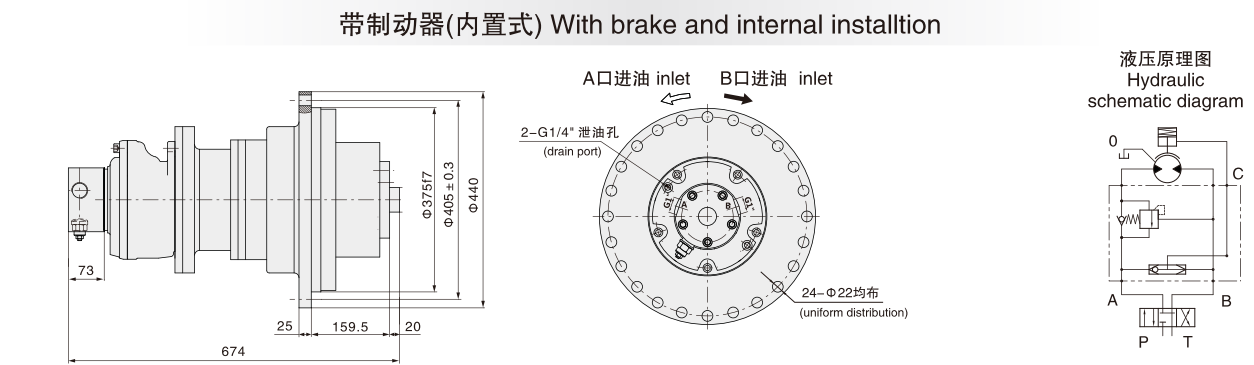
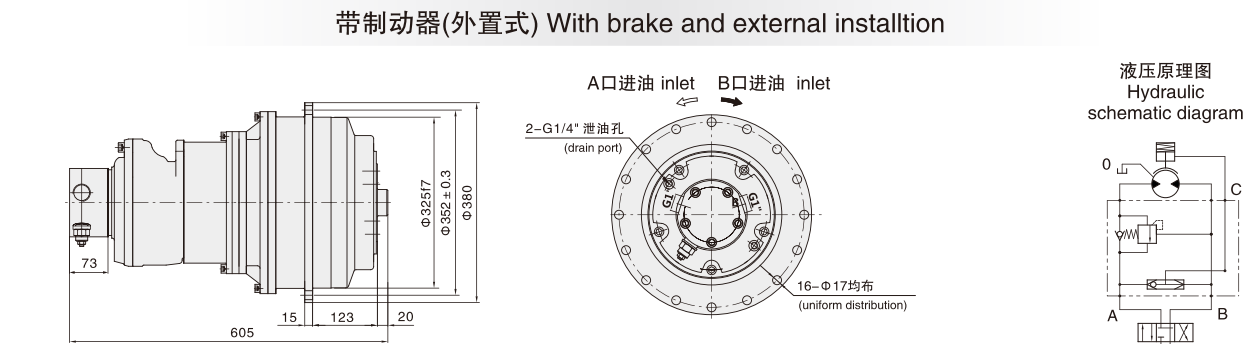
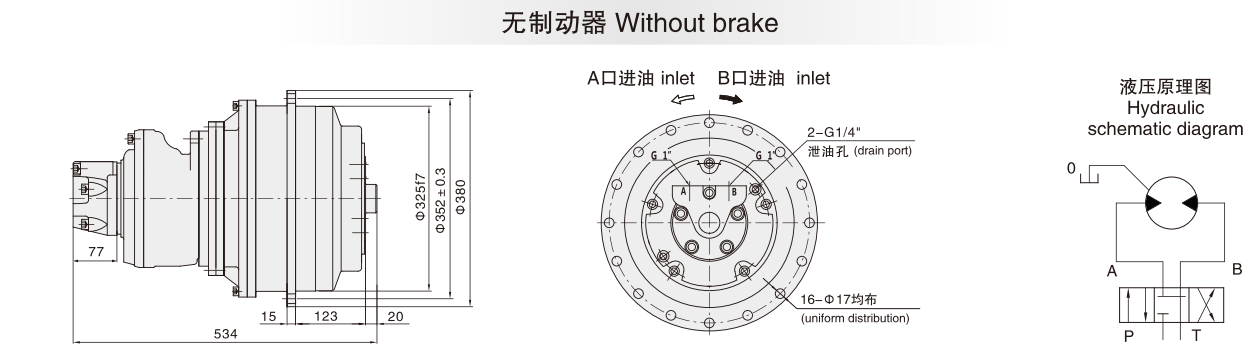
ZYC2.5 3系列/ ZYC2.5 3 Serie



型 号 Model	总排量 Displacement (ml/r)	额定扭矩 Rated Torque(N.m)		转速范围 Speed range (r/min)	总效率 Total efficiency	液压马达型号 Hydraulic motor model	行星减速机型号 Planetary gearbox	制动器型号 Brake
		16MPa	20MPa					
ZYC2.5 3-1700	1720	3864	4829	0~19	0.88~0.9	ZGM05-90	C2.5 3-20	Z2.5
ZYC2.5 3-2300	2300	5159	6448	0~19	0.88~0.9	ZGM05-110	C2.5 3-20	Z2.5
ZYC2.5 3-2600	2580	5778	7223	0~19	0.88~0.9	ZGM05-130	C2.5 3-20	Z2.5
ZYC2.5 3-3000	3020	6758	8448	0~19	0.88~0.9	ZGM05-150	C2.5 3-20	Z2.5
ZYC2.5 3-3300	3320	7434	9293	0~19	0.88~0.9	ZGM05-170	C2.5 3-20	Z2.5
ZYC2.5 3-3800	3820	8560	9856	0~19	0.88~0.9	ZGM05-200	C2.5 3-20	Z2.5

注：如客户需要其它速比和其它输出形式，请与本公司联系。
Note: If the customer need other speed ratio and other output form, please contact with us.

ZYC3 4系列/ ZYC3 4 Serie



型 号 Model	总排量 Displacement (ml/r)	额定扭矩 Rated Torque(N.m)		转速范围 Speed range (r/min)	总效率 Total efficiency	液压马达型号 Hydraulic motor model	行星减速机型号 Planetary gearbox	制动器型号 Brake
		16MPa	20MPa					
ZYC3 4-3500	3440	7547	9433	0~18	0.88~0.9	ZGM1-175	C3 4-20	Z3
ZYC3 4-4000	4020	8842	11052	0~18	0.88~0.9	ZGM1-200	C3 4-20	Z3
ZYC3 4-4900	4860	10700	13376	0~18	0.88~0.9	ZGM1-250	C3 4-20	Z3
ZYC3 4-5800	5800	12728	15910	0~18	0.88~0.9	ZGM1-300	C3 4-20	Z3
ZYC3 4-6800	6804	14980	18725	0~12	0.88~0.9	ZGM1-250	C3 4-28	Z3
ZYC3 4-8100	8120	17819	22344	0~12	0.88~0.9	ZGM1-300	C3 4-28	Z3

注：如客户需要其它速比和其它输出形式，请与本公司联系。
Note: If the customer need other speed ratio and other output form, please contact with us.

ZYC4 5系列/ ZYC4 5 Serie

无制动器 Without brake

带制动器(外置式) With brake and external installtion

带制动器(内置式) With brake and internal installtion

B型平键输出
Flat key B

C型螺纹法兰输出
Threaded flange C

F型矩形花键输出
Rectangle spline F

I型内花键输出
Rectangle internal spline I

型 号 Model	总排量 Displacement (ml/r)	额定扭矩 Rated Torque(N.m)		转速范围 Speed range (r/min)	总效率 Total efficiency	液压马达型号 Hydraulic motor model	行星减速机型号 Planetary gearbox	制动器型号 Brake
		16MPa	20MPa					
ZYC4 5-7000	6940	15263	19078	0~15	0.88~0.9	ZGM2-350	C4 5-20	Z4
ZYC4 5-8500	8500	18646	23344	0~15	0.88~0.9	ZGM2-420	C4 5-20	Z4
ZYC4 5-10000	9826	21661	27046	0~15	0.88~0.9	ZGM2-500	C4 5-20	Z4
ZYC4 5-12000	11900	26146	32682	0~11	0.88~0.9	ZGM2-420	C4 5-28	Z4
ZYC4 5-14000	13804	30325	36120	0~11	0.88~0.9	ZGM2-500	C4 5-28	Z4

注：如客户需要其它速比和其它输出形式，请与本公司联系。
Note: If the customer need other speed ratio and other output form, please contact with us.

ZYC5 6系列/ ZYC5 6 Serie

无制动器 Without brake

带制动器(外置式) With brake and external installtion

带制动器(内置式) With brake and internal installtion

B型平键输出
Flat key B

C型螺纹法兰输出
Threaded flange C

F型矩形花键输出
Rectangle spline F

I型内花键输出
Rectangle internal spline I

型 号 Model	总排量 Displacement (ml/r)	额定扭矩 Rated Torque(N.m)		转速范围 Speed range (r/min)	总效率 Total efficiency	液压马达型号 Hydraulic motor model	行星减速机型号 Planetary gearbox	制动器型号 Brake
		16MPa	20MPa					
ZYC5 6-12000	12320	27067	33834	0~14	0.88~0.9	ZGM4-600	C5 6-20	Z5
ZYC5 6-16000	15860	34918	43648	0~14	0.88~0.9	ZGM4-800	C5 6-20	Z5
ZYC5 6-18000	18080	39706	49632	0~14	0.88~0.9	ZGM4-900	C5 6-20	Z5
ZYC5 6-20000	20440	45056	56320	0~14	0.88~0.9	ZGM4-1000	C5 6-20	Z5
ZYC5 6-22000	22204	48885	61106	0~10	0.88~0.9	ZGM4-800	C5 6-28	Z5
ZYC5 6-25000	25312	55587	-	0~10	0.88~0.9	ZGM4-900	C5 6-28	Z5
ZYC5 6-28000	28616	63078	-	0~10	0.88~0.9	ZGM4-1000	C5 6-28	Z5

注：如客户需要其它速比和其它输出形式，请与本公司联系。
Note: If the customer need other speed ratio and other output form, please contact with us.

ZYC6 7系列/ ZYC6 7 Serie

无制动器 Without brake

896 36 198 20 77 36-Φ25 608.7 650±0.3 700

带制动器(外置式) With brake and external installtion

1072 80 36 198 20 608.7 650±0.3 700

带制动器(内置式) With brake and internal installtion

1072 80 36 500 20 608.7 650±0.3 700

A口进油 inlet B口进油 inlet

2-G1/2" 泄油口 (drain port) 36-Φ25均布 (uniform distribution)

液压原理图 Hydraulic schematic diagram

A口进油 inlet B口进油 inlet

2-G1/2" 泄油口 (drain port) 36-Φ25均布 (uniform distribution)

液压原理图 Hydraulic schematic diagram

A口进油 inlet B口进油 inlet

2-G1/2" 泄油口 (drain port) 36-Φ25均布 (uniform distribution)

液压原理图 Hydraulic schematic diagram

B型平键输出 Flat key B

210 145 160 2-M10 45H9

C型螺纹法兰输出 Threaded flange C

40 15-M20均布 (uniform distribution) 15-Φ40H7均布 (uniform distribution) 9-M20均布 (uniform distribution) 107 142±0.3 236±0.3 20

F型矩形花键输出 Rectangle spline F

10-184d11 × 200d11 × 30f8 210 160 100 2-M20 2-M10

I型内花键输出 Rectangle internal spline I

10-184D11 × 200D11 × 30H9 22 122 134 210H7

型 号 Model	总排量 Displacement (ml/r)	额定扭矩 Rated Torque(N.m)		转速范围 Speed range (r/min)	总效率 Total efficiency	液压马达型号 Hydraulic motor model	行星减速机型号 Planetary gearbox	制动器型号 Brake
		16MPa	20MPa					
ZYC6 7-29000	29240	64205	80256	0~13	0.88~0.9	ZGM5-1450	C6 7-20	Z6
ZYC6 7-33000	32680	71526	89408	0~13	0.88~0.9	ZGM5-1600	C6 7-20	Z6
ZYC6 7-36000	36320	79682	99616	0~13	0.88~0.9	ZGM5-1800	C6 7-20	Z6
ZYC6 7-41000	40936	89687	-	0~9	0.88~0.9	ZGM5-1450	C6 7-28	Z6
ZYC6 7-46000	45752	100136	-	0~9	0.88~0.9	ZGM5-1600	C6 7-28	Z6

注：如客户需要其它速比和其它输出形式，请与本公司联系。
Note: If the customer need other speed ratio and other output form, please contact with us.

ZYC7 9系列/ ZYC7 9 Serie

无制动器 Without brake

53.4 48.4 44.5 160 40 446.5 1053.5 36-Φ25 12-M24均布 12-Φ40H7均布 1007 170±0.3 256±0.3 7609 810±0.3 850

带制动器(外置式) With brake and external installtion

117 40 40 12-M24均布 12-Φ40H7均布 1007 170±0.3 256±0.3 7609 810±0.3 850

A口进油 B口进油

2-G1/2" 泄油孔

液压原理图

A口进油 B口进油

2-G1/2" 泄油孔

液压原理图

B型平键输出 Flat key B

314 70H9 220 240 2-M16 M24 160

C型螺纹法兰输出 Threaded flange C

12-M24均布 12-Φ40H7均布 1007 170±0.3 256±0.3 40

F型矩形花键输出 Rectangle spline F

10-280d11 × 300d11 × 28f8 310 240 30 2-M16 M24 160

I型内花键输出 Rectangle internal spline I

16-250D11 × 230D11 × 22H9 20 175 250H7

型 号 Model	总排量 Displacement (ml/r)	额定扭矩 Rated Torque(N.m)		转速范围 Speed range (r/min)	总效率 Total efficiency	液压马达型号 Hydraulic motor model	行星减速机型号 Planetary gearbox	制动器型号 Brake
		16MPa	20MPa					
ZYC7 9-40000	40140	89830	112288	0~9	0.88~0.9	ZGM7-2000	C7 9-20	Z7
ZYC7 9-50000	50520	113203	141504	0~9	0.88~0.9	ZGM7-2500	C7 9-20	Z7
ZYC7 9-60000	59700	133782	167228	0~8	0.88~0.9	ZGM7-3000	C7 9-20	Z7
ZYC7 9-66000	65800	147277	182623	0~8	0.88~0.9	ZGM7-3300	C7 9-20	Z7
ZYC7 9-72000	72220	161638	-	0~7	0.88~0.9	ZGM7-3600	C7 9-20	Z7
ZYC7 9-83000	83580	187290	-	0~6	0.88~0.9	ZGM7-3000	C7 9-28	Z7

注：如客户需要其它速比和其它输出形式，请与本公司联系。
Note: If the customer need other speed ratio and other output form, please contact with us.

189

190

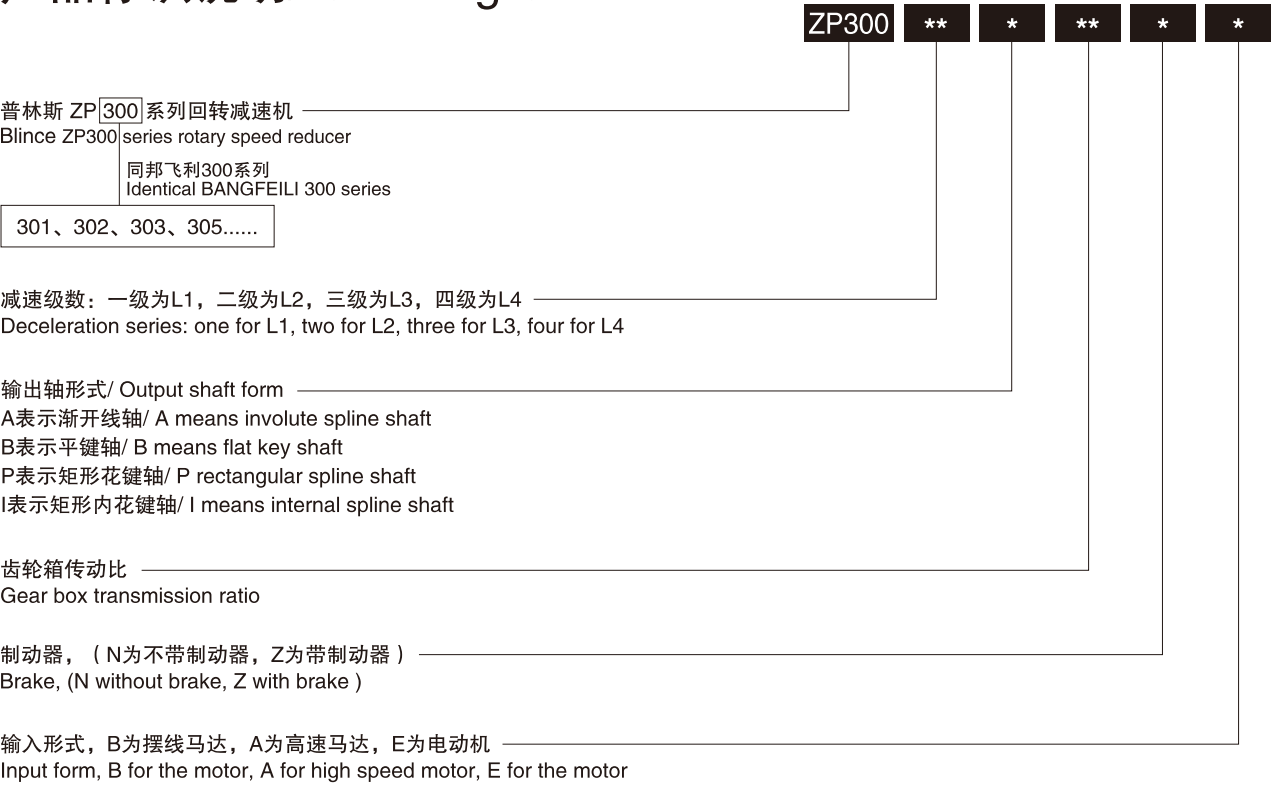
ZP300系列/ ZP300 Serie

产品特点/ Product Feature

ZP300系列传动装置是本公司引进意大利专门为泵车、船舶、起重运输机械、港口、矿山、冶金和其他工程机械开发的传动装置，它采用液压马达、制动器、多级减速器、输出轴和液压控制系统分体设计的思路，具有标准化和通配性好、结构紧凑、扭矩大、体积小、体重轻、安装方便、工作可靠性高的特点。

ZP300 series of transmission device is the introduction of Italy specifically for pump trucks, ships, heavy transport machinery, port, mining, metallurgy and other engineering machinery development of transmission device, which uses the idea of hydraulic motor, brake, the multistage reduction gear, output shaft and a hydraulic control system designed, with standardized and the characteristics of distribution, compact structure, high torque, small volume, light weight, convenient installation, reliability high.

产品标识说明/ Ordering Code



型号举例/ Example of Model

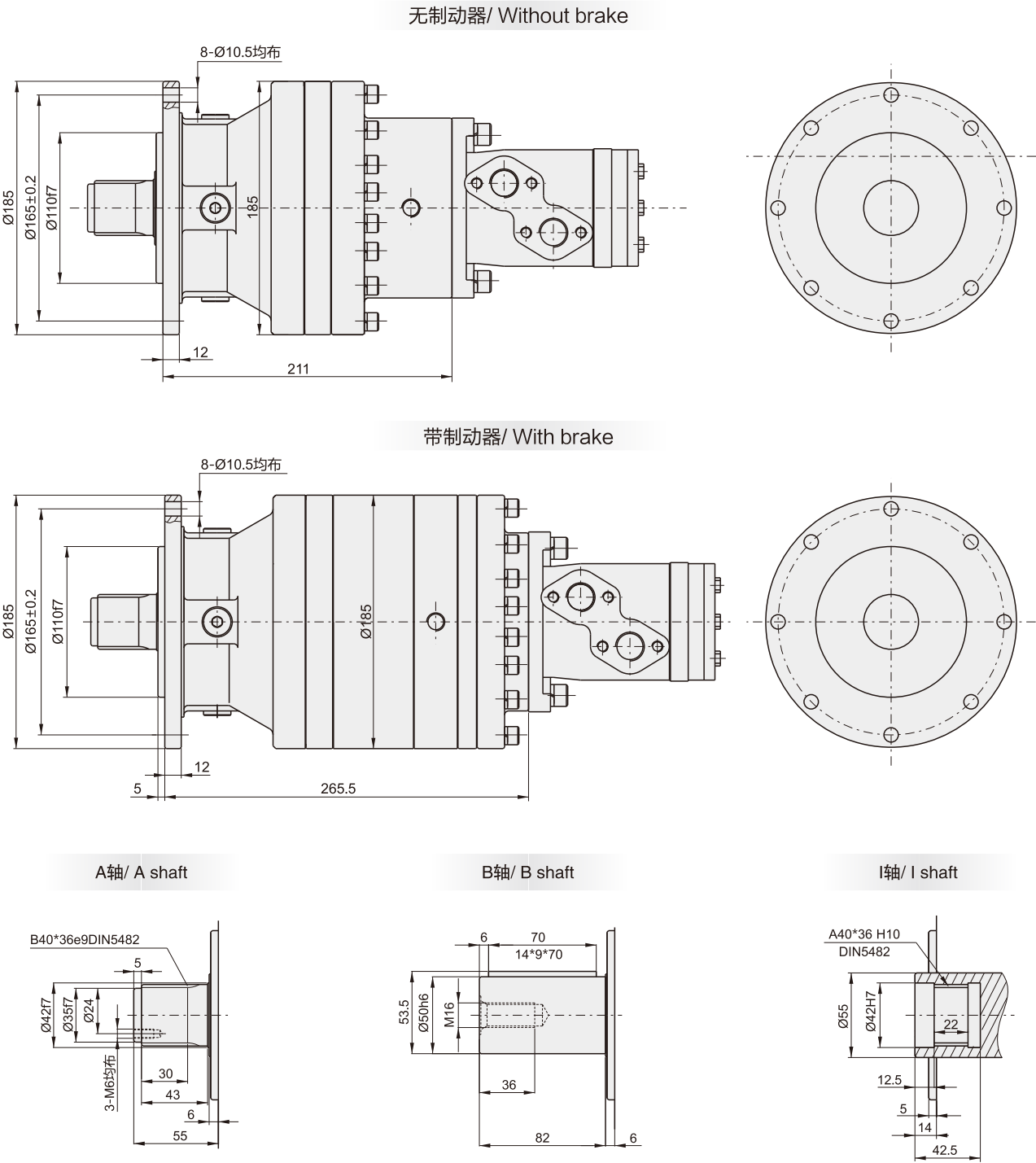
ZP300L2A28.9ZB表示普林斯ZP305系列回转减速机，该回转减速机采用二级行星齿轮传动，输出轴为渐开线外花键，齿轮箱传动比为28.9，带制动器，配摆线马达。

ZP300L2A28.9ZB said Blince ZP305 series of rotary speed reducer, the rotary speed reducer using two planetary gear transmission, the output shaft for the involute external spline, gear box drive ratio28.9, with brake, with the motor.

备注：具体的技术要求请与公司技术部门联系。
Note: specific technical requirements, please contact the company's technical department.

ZP301L1系列/ ZP301PL1 Serie

ZP301L1外形尺寸图/ ZP301L1 Installation Dimensions

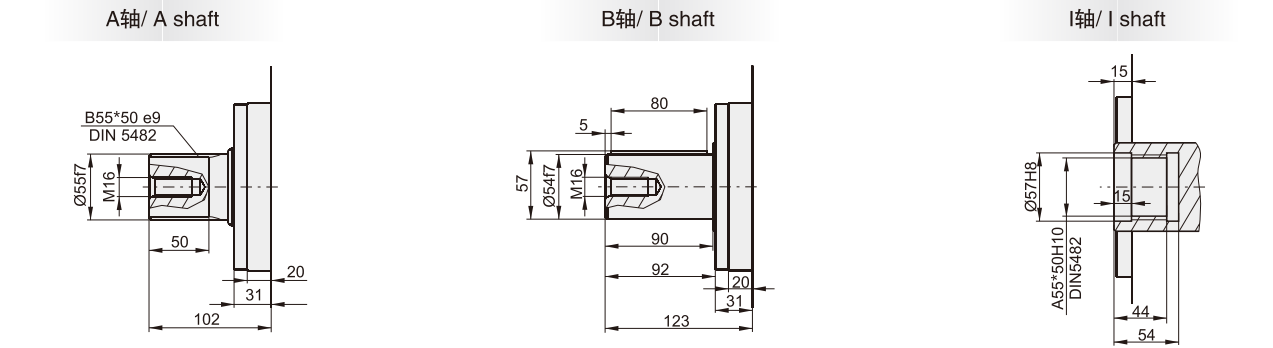
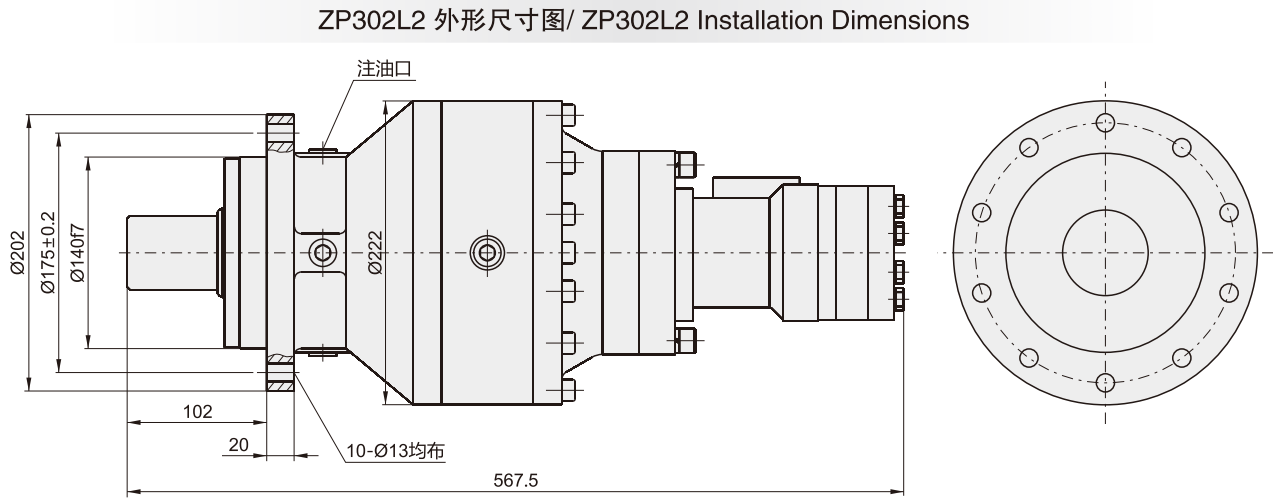
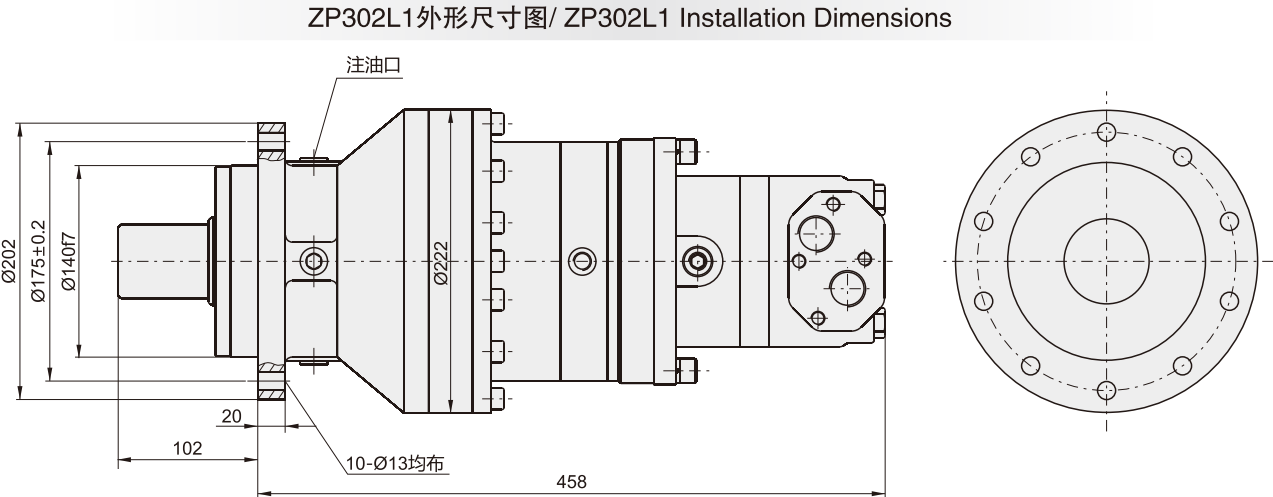


技术参数/ Technical data

型号 Model	传动比 Transmission ratio (i)	额定扭矩 Rated torque (N.m)	间歇扭矩 Intermittent torque (N.m)	速度范围 Speed range (rpm)	液压马达 Hydraulic motor	制动器扭矩 Static brake torque (N.m)	推荐输出齿轮 Recommended output gear
ZP301L1	3.5~5.8	1750	2100	5~50	BMR	2300	m=6,Z=14,X=0.5

备注：具体的参数请与本公司技术部门联系。
Note: specific technical requirements, please contact the company's technical department.

ZP302L1/ ZP302L2系列/ ZP302L1/ ZP302L2 Serie

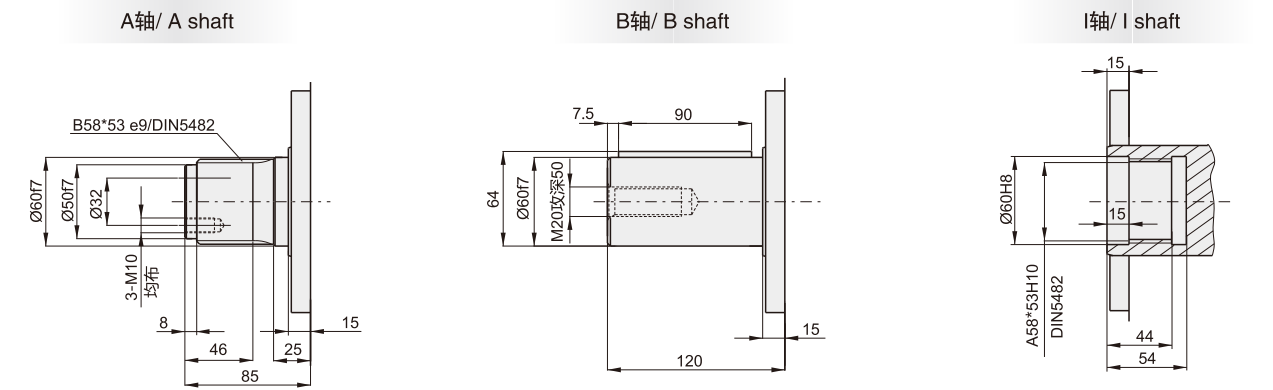
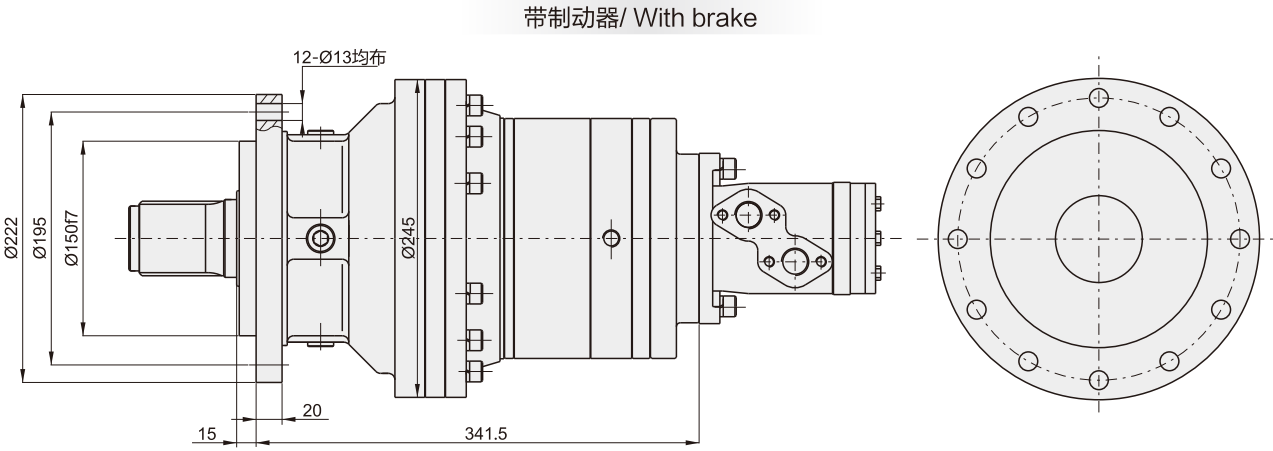
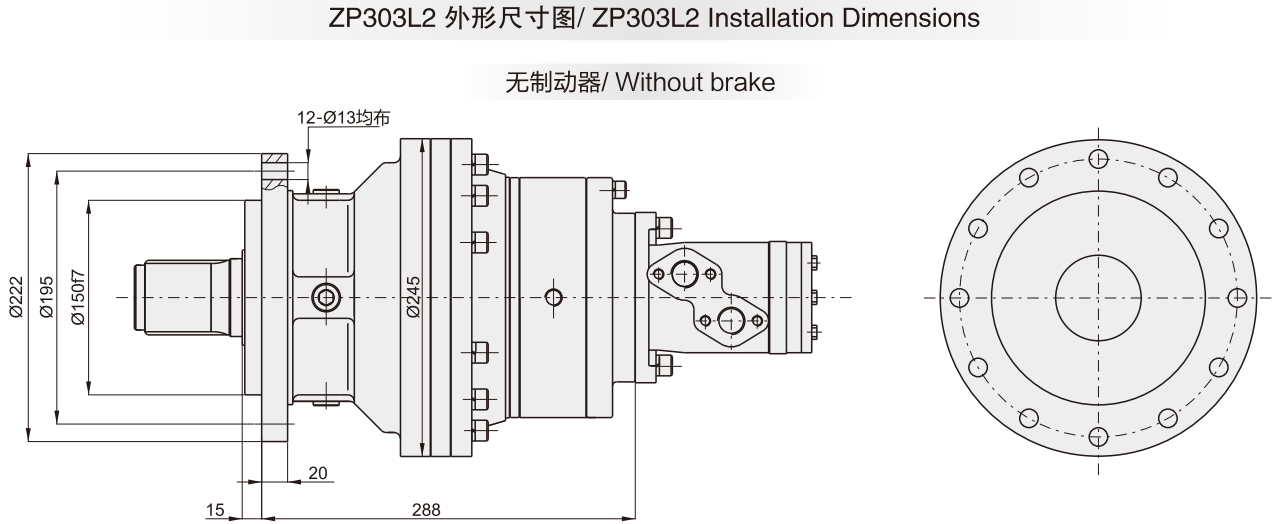


技术参数/ Technical data

型号 Model	传动比 Transmission ratio (i)	额定扭矩 Rated torque (N.m)	间歇扭矩 Intermittent torque (N.m)	速度范围 Speed range (rpm)	液压马达 Hydraulic motor	制动器扭矩 Static brake torque (N.m)	推荐输出齿轮 Recommended output gear
ZP302L1	5.6~6.3	2800	3360	10~26	BMR	4200	m=8,Z=12,X=0.5
ZP302L2	17~30	2800	3360	6~40	BMR	4200	m=8,Z=12,X=0.5

备注：具体的参数请与本公司技术部门联系。
Note: specific technical requirements, please contact the company's technical department.

ZP303L2系列/ ZP303L2 Serie



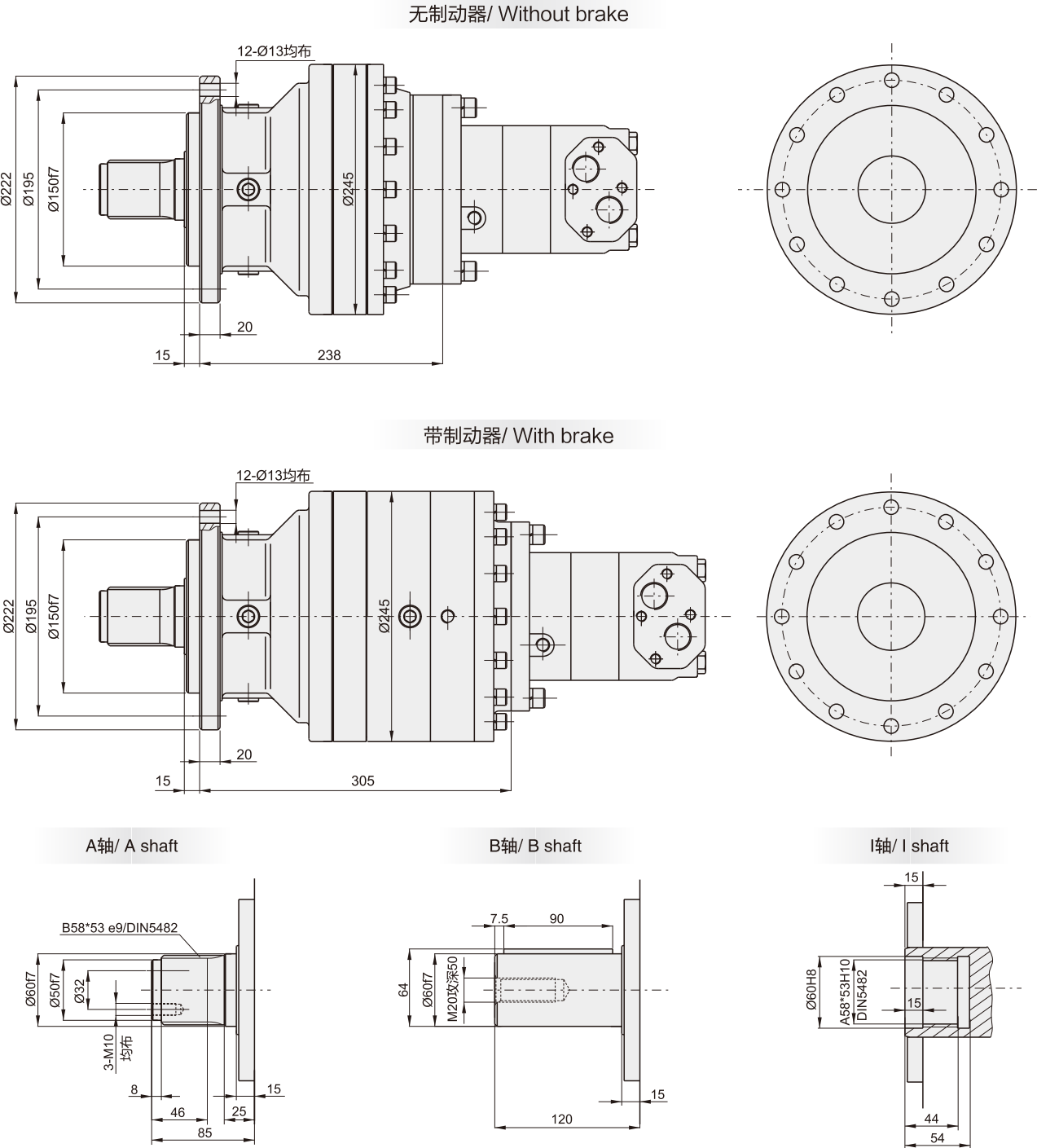
技术参数/ Technical data

型号 Model	传动比 Transmission ratio (i)	额定扭矩 Rated torque (N.m)	间歇扭矩 Intermittent torque (N.m)	速度范围 Speed range (rpm)	液压马达 Hydraulic motor	制动器扭矩 Static brake torque (N.m)	推荐输出齿轮 Recommended output gear
ZP303L2	12.5~36	3600	4320	5~50	BMR	4700	m=8,Z=14,X=0.5

备注：具体的参数请与本公司技术部门联系。
Note: specific technical requirements, please contact the company's technical department.

ZP305L1系列/ ZP305L1 Serie

ZP305L1 外形尺寸图/ ZP305L1 Installation Dimensions



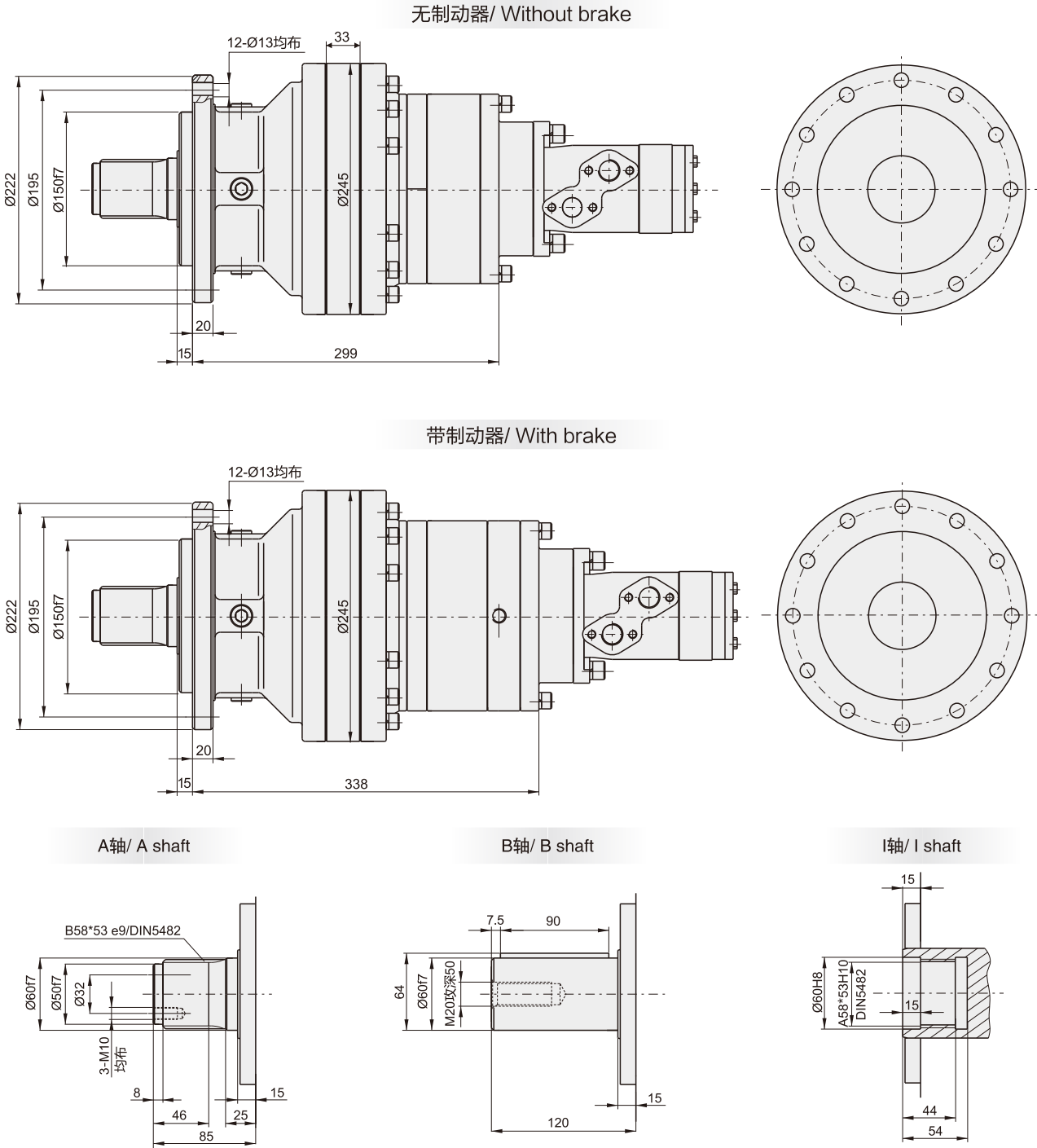
技术参数/ Technical data

型号 Model	传动比 Transmission ratio (i)	额定扭矩 Rated torque (N.m)	间歇扭矩 Intermittent torque (N.m)	速度范围 Speed range (rpm)	液压马达 Hydraulic motor	制动器扭矩 Static brake torque (N.m)	推荐输出齿轮 Recommended output gear
ZP305L1	3.7~6.3	5000	6000	5~50	BMR	7500	m=8,Z=15,X=0.5

备注：具体的参数请与本公司技术部门联系。
Note: specific technical requirements, please contact the company's technical department.

ZP305L2系列/ ZP305L2 Serie

ZP305L2 外形尺寸图/ ZP305L2 Installation Dimensions



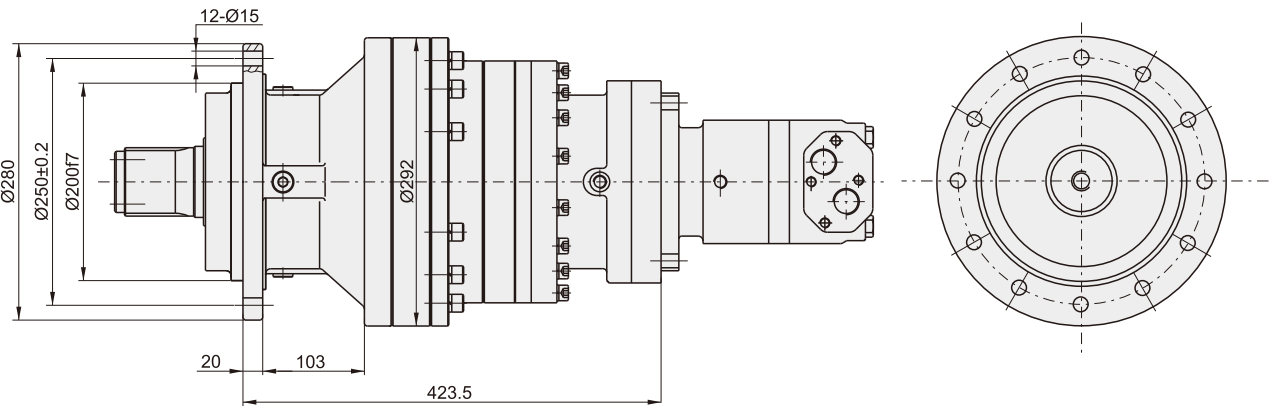
技术参数/ Technical data

型号 Model	传动比 Transmission ratio (i)	额定扭矩 Rated torque (N.m)	间歇扭矩 Intermittent torque (N.m)	速度范围 Speed range (rpm)	液压马达 Hydraulic motor	制动器扭矩 Static brake torque (N.m)	推荐输出齿轮 Recommended output gear
ZP305L2	17.5~35	5000	6000	5~50	BMR	7500	m=8,Z=15,X=0.5

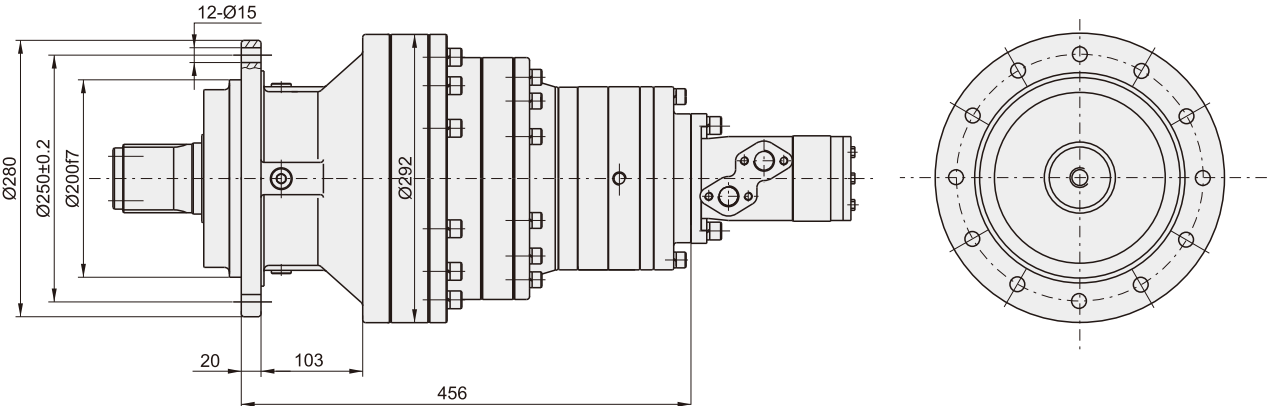
备注：具体的参数请与本公司技术部门联系。
Note: specific technical requirements, please contact the company's technical department.

ZP306L2/ ZP306L3系列/ ZP306L2/ ZP306L3 Serie

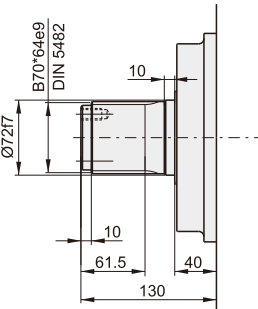
ZP306L2 外形尺寸图/ ZP306L2 Installation Dimensions



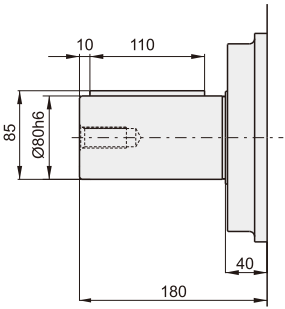
ZP306L3 外形尺寸图/ ZP306L3 Installation Dimensions



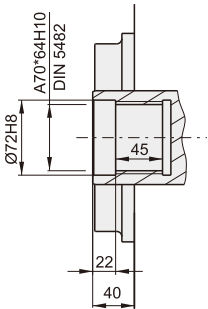
A轴/ A shaft



B轴/ B shaft



I轴/ I shaft



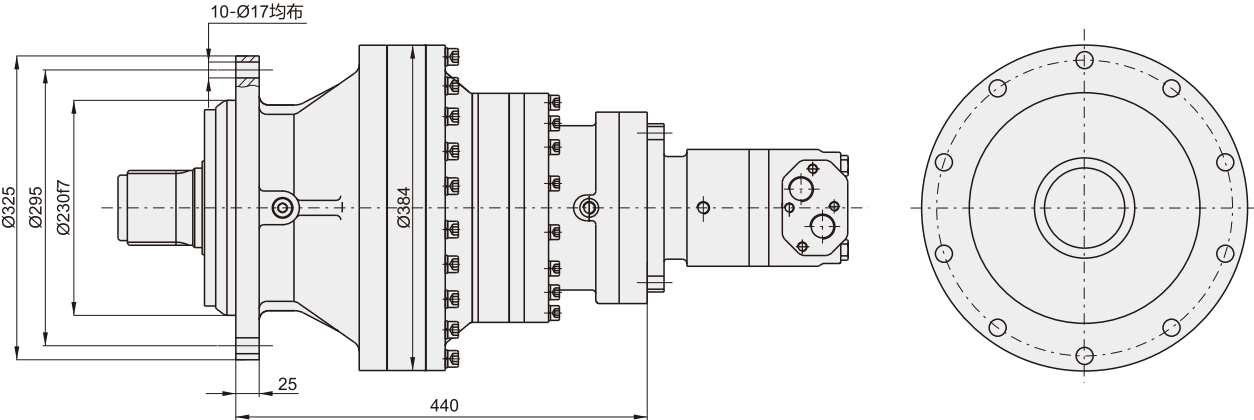
技术参数/ Technical data

型号 Model	传动比 Transmission ratio (i)	额定扭矩 Rated torque (N.m)	间歇扭矩 Intermittent torque (N.m)	速度范围 Speed range (rpm)	液压马达 Hydraulic motor	制动器扭矩 Static brake torque (N.m)	推荐输出齿轮 Recommended output gear
ZP306L2	15.3~56.3	8000	10000	3~16	BMS	15000	m=12,Z=14,X=0.5
ZP306L3	53.2~288	8000	10000	1~15	BMS	15000	m=12,Z=14,X=0.5

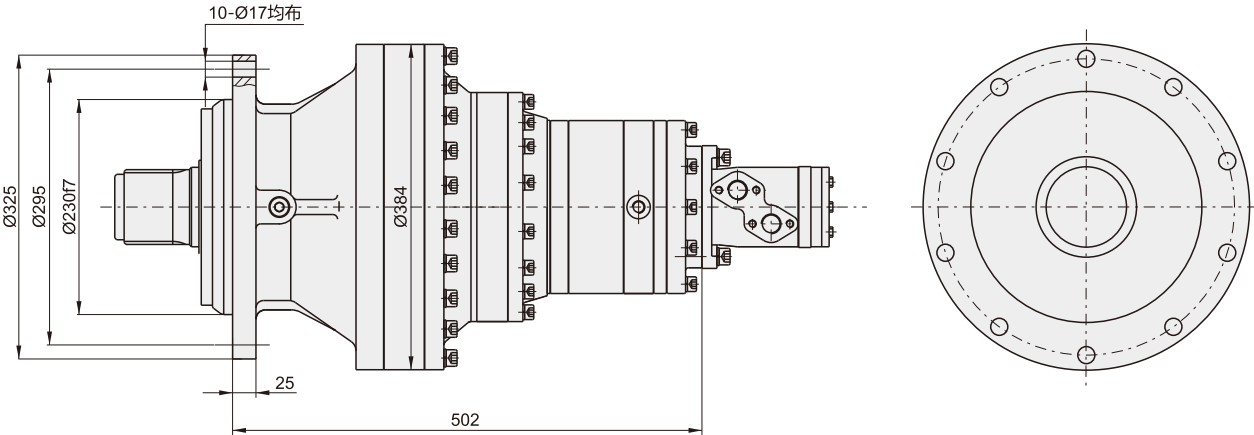
备注：具体的参数请与本公司技术部门联系。
Note: specific technical requirements, please contact the company's technical department.

ZP307L2/ ZP307L3系列/ ZP307L2/ ZP307L3 Serie

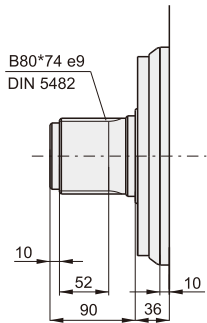
ZP307L2 外形尺寸图/ ZP307L2 Installation Dimensions



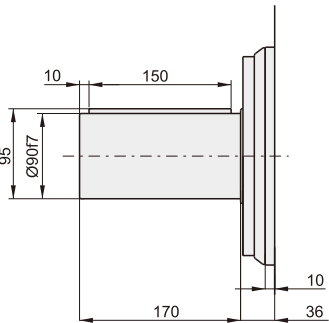
ZP307L3 外形尺寸图/ ZP307L3 Installation Dimensions



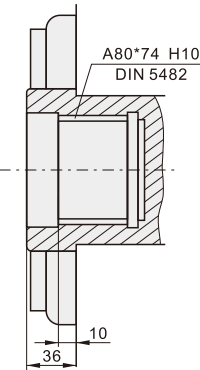
A轴/ A shaft



B轴/ B shaft



I轴/ I shaft



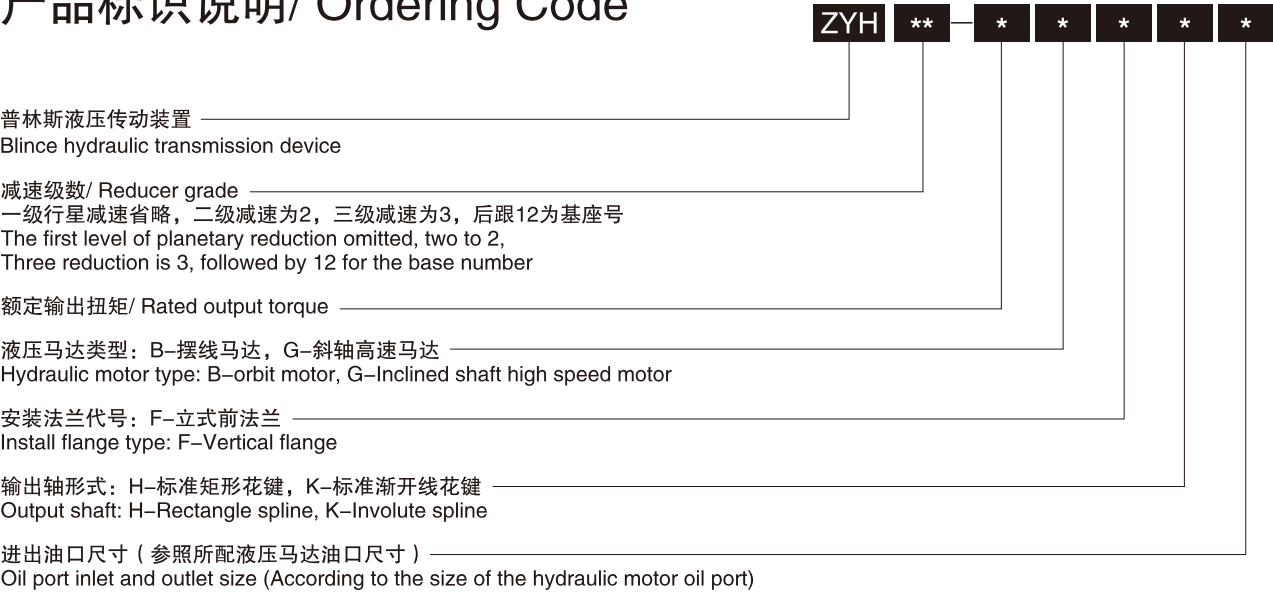
技术参数/ Technical data

型号 Model	传动比 Transmission ratio (i)	额定扭矩 Rated torque (N.m)	间歇扭矩 Intermittent torque (N.m)	速度范围 Speed range (rpm)	液压马达 Hydraulic motor	制动器扭矩 Static brake torque (N.m)	推荐输出齿轮 Recommended output gear
ZP307L2	14.7~36.6	12500	15000	3~16	BMS	20000	m=14,Z=14,X=0.5
ZP307L3	51.3~220	12500	15000	1~15	BMS	20000	m=14,Z=14,X=0.5

备注：具体的参数请与本公司技术部门联系。
Note: specific technical requirements, please contact the company's technical department.

ZYH系列/ ZYH Serie

产品标识说明/ Ordering Code



参数说明/ Parameter description

- 1、总排量为液压马达排量乘以减速传动比；

2、额定扭矩是在系统压力为16MPa或20MPa时，考虑传动效率后的实际输出扭矩；

3、传动效率包括液压马达的机械效率和行星减速器机械效率；
1. Total displacement of the hydraulic motor displacement multiplied by the reduction ratio;

2. Rated torque is the actual output torque of the system when the system pressure is 16MPa or 20MPa;

3. The transmission efficiency includes the mechanical efficiency of the hydraulic motor and the mechanical efficiency of planetary gear reducer;

型号举例/ Example of Model

ZYH3-12500-B-F-K-Y 表示该液压传动三级行星减速机传动，额定扭矩为12500N.m，动力马达为摆线马达，安装方式为立式前法兰，标准渐开线花键。

ZYH3-12500-B-F-K-Y indicates that the hydraulic drive three planetary reducer drive, rated torque of 12500N.m, power motor for the motor, the installation of vertical front flange, standard involute spline.

使用及注意事项/ Use and precautions

- 1、M10×1 加黄油孔在出厂时已加锂基脂，一般情况下客户不需要再另加，若发现锂基脂不够时，可以从M10x1加黄油孔中加入，量以充满轴承空间的 1/2 为合适；

2、每台传动装置都带有一根加油管，客户首次使用时，应根据安装的位置，先用加油管往齿轮箱加满油。（所加油可与系统用油一样，一般用抗磨液压油），然后才可使用，第一次工作满30小时后需换一次油，以后每工作满100小时需换一次油；

3、制动器开启油路采用单独外接方式，G1/4" 控制油口输入压力在2MPa-5MPa；

4、从输出轴往液压马达方向看，若“A”腔进油 “B”腔出油，则输出轴顺时针方向转，若“B”腔进油，“A”腔出油，则输出轴逆时针方向转；适用于回转、传动等工况，不适用于行走等工况。
1. M10×1 and butter hole at the factory has added lithium grease, general customers do not need another, if found not enough lithium grease can be from M10x1 and added to the grease hole, amount to full bearing space of 1 / 2 is appropriate;

2. Each transmission device with a gas pipe, customers first use should be according to the location of the installation, first with the oil filling pipe to gear box filled with oil. (oil can be used with the system, the general use of anti wear hydraulic oil), and then can be used, the first work for 30 hours after the need for a change of oil, after every 100 hours of work needs to be replaced once the oil;

3. Brake open circuit using a separate external connection, G1/4 control oil inlet pressure in the 2MPa-5MPa;

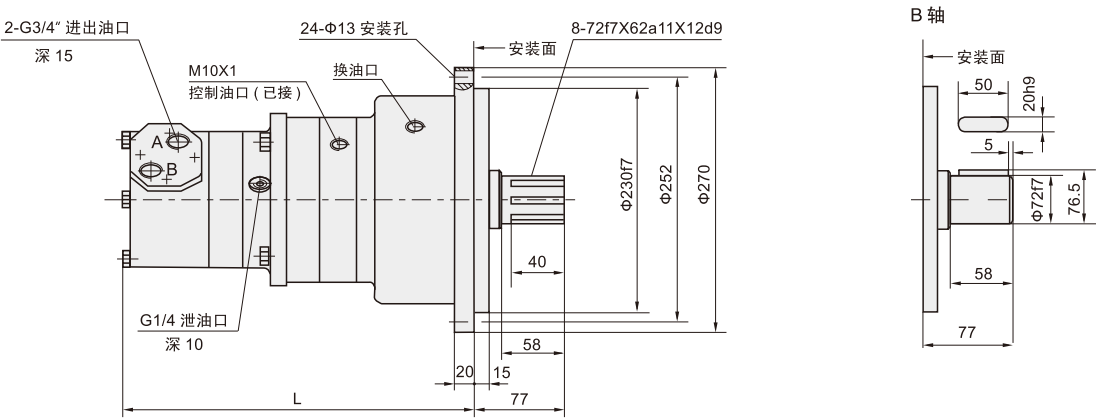
4. From the output shaft to the direction of hydraulic motor, if a "cavity" in oil "B" Chamber of the oil, the output shaft clockwise, if "B" into the oil chamber, a chamber of the oil, the output shaft in a counter clockwise turn; suitable for rotary, gear and other conditions, not suitable for walking and other conditions.

ZYH系列/ ZYH Serie

技术参数/ Technical Specification

型号 Type	排量 Displacement ml/r	输出扭矩 N.m		工作压力 Mpa		转速范围 Speed range r/min	制动器 Braker		减速器 传动比 Ratio of gearbox	液压马达 Hydraulic Motor	重量 Weight kg	长度 L Length mm
		额定 Rated torque	最大 Max. torque	额定 Rated pressure	最高 Max. pressure		开启压力 Mpa Releasing pressure	制动扭矩 N.m Brake torque				
ZYH1200/B	960	1200	1920	10	16	3-83	2.6	2800	6	6K-195	60	348
ZYH1600/B	1200	1600	2200	11.6	16	3-83	2.6	2800	6	6K-195	60	353
ZYH2000/B	1500	2000	2750	11.6	16	3-66	2.6	2800	6	6K-245	60	359
ZYH2500/B	1900	2500	3500	11.4	16	3-60	2.6	3600	6	6K-310	60	376
ZYH3000/B	1900	3000	3500	13.8	16	3-60	2.6	3600	6	6K-310	60	3376
ZYH3500/B	2400	3500	4375	12.8	16	2-52	2.8	7500	6	6KS-390	100	363
ZYH4000/B	3000	4000	5520	11.6	16	2-46	2.8	7500	6	6KS-490	100	380
ZYH5000/B	3750	5000	6900	11.5	16	2-40	2.8	7500	6	6KS-625	100	392
ZYH6000/B	3750	6000	6900	16.9	16	2-40	2.8	7500	6	6KS-625	100	392
ZYH2·3-3000/B	2880	3000	3500	9.2	11	0.4-17	2.2	4800	36	2K-80	-	-
ZYH2·6-4000/B	2880	4000	5120	12.5	16	0.4-17	2.2	7500	36	2K-80	85	428
ZYH2·6-5000/B	3600	5000	6250	12.8	16	0.4-17	2.2	7500	36	2K-100	86	432
ZYH2·6-6000/B	4500	6000	7500	12	15	0.4-11	2.2	7500	36	2K-130	88	436
ZYH3·12-8000/B	9517.4	8000	10000	6.7	8.0	0.3-6.3	1.1	20000	94.7	JH-100	135	718
ZYH3·12-10000/B	11960.6	10000	12500	6.6	8.0	0.3-5.0	1.1	20000	94.7	JH-125	135	722
ZYH3·12-12500/B	15227.8	12500	15000	6.5	8.0	0.2-4.0	1.1	20000	94.7	JH-160	135	728

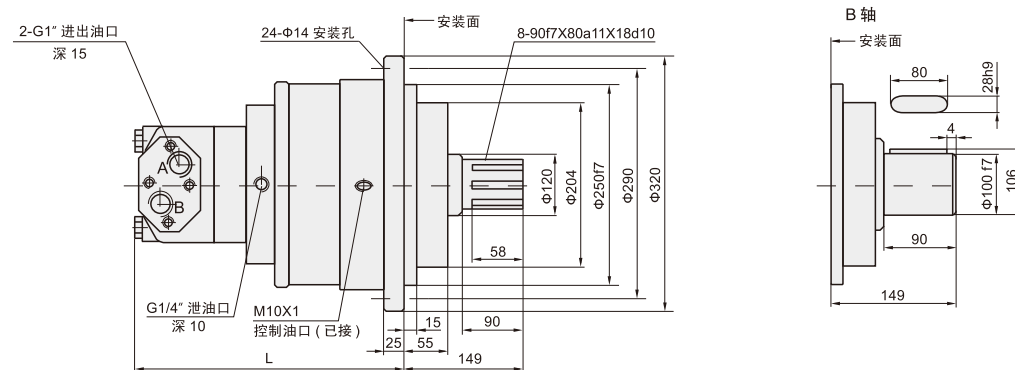
ZYH1600~3000/B-F-H-K1Y 外形安装图/ Installation Dimensions



注：ZYH1200~2500/C安装尺寸与上图相同。
Notes: ZYH1200~2500/C The same pattern with the above installation size.

ZYH系列/ ZYH Serie

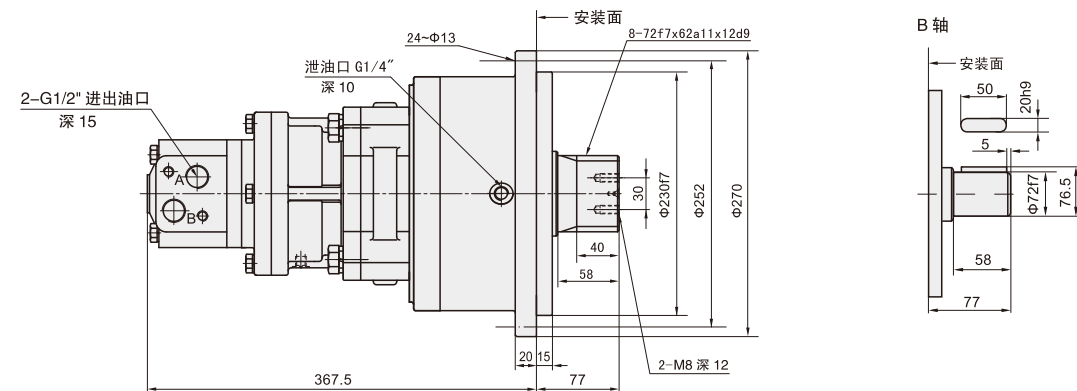
ZYH3500~6000/B-M20-H20-K1Y 外形安装图/ Installation Dimensions



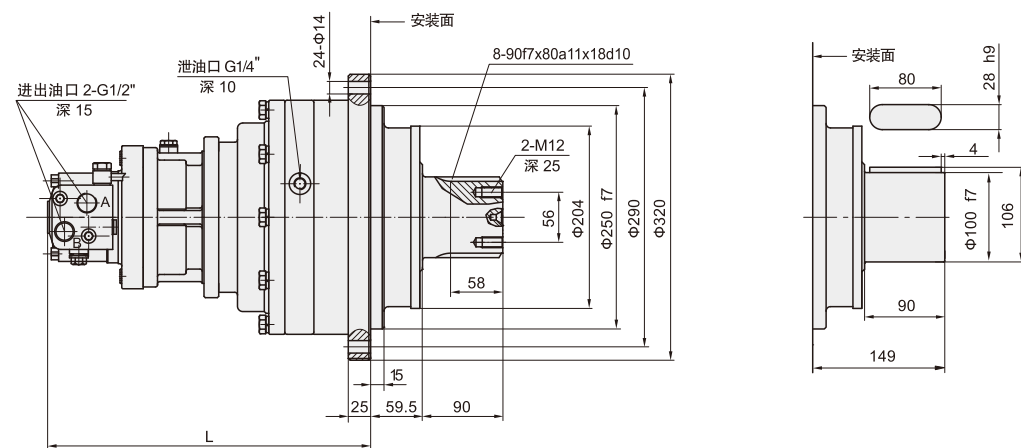
注: ZYH3000~4000/C安装尺寸与上图相同。

Notes: ZYH3000~4000/C The same pattern with the above installation size.

ZYH2 · 3~3000/B-F-H-K1Y 外形安装图/ Installation Dimensions



ZYH2 · 6~4000~6000/B-M20-H20-K1Y 外形安装图/ Installation Dimensions



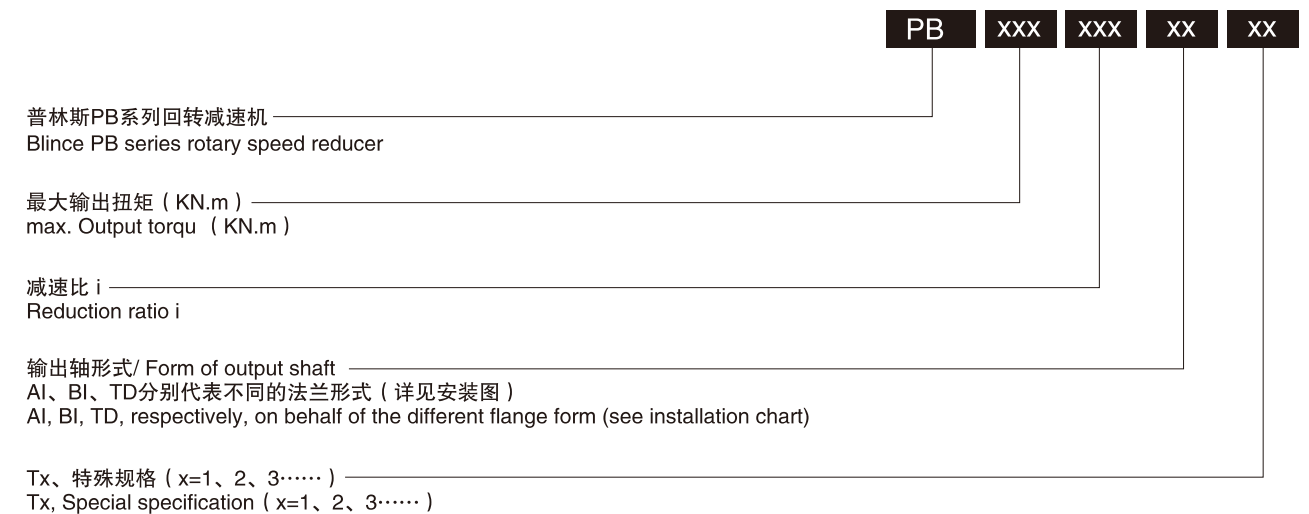
PB系列/ PB Serie

产品特点/ Product Feature

该系列回转减速机是我公司专门为煤炭洗选、浓缩设备而设计速比相对较大的系列新产品，该系列减速机扭矩大、速度低、特别适合中心和周边传动的浓缩机使用，还可以在港口吊车、建筑塔吊中使用。负载启动性能比原有的电动机加摆线针轮减速机的方案要提高很多，长时间运转齿轮箱不发热，噪音非常低并且可以替换国外相同类型的回转减速机，现已批量投产。该类型减速机为适应客户要求可设计多种输出法兰形式，以适应不同工况要求。

The series of rotary speed reducer is a company dedicated to the coal washing and concentration equipment designed ratio relatively large series of new products, the series reducer high torque, low speed, especially suitable for central and peripheral driving thickener, and can also be used in port crane, tower crane. Load startup performance better than the original motor and cycloid pin wheel reducer to improve a lot, the long time running gear box heating, noise is very low and can replace foreign same type rotary gear reducer, has been put into batch production. The type speed reducer can be designed to meet the requirements of customers can be designed to meet the requirements of different working conditions.

产品标识说明/ Ordering Code



型号举例/ Example of Model

PB 010099AI 表示普利斯PB型回转减速机，“010”表示最大输出扭矩为10KN.m，“099”表示减速比为99，“AI”表示AI型输出连接法兰（详见安装图）。

PB 010099Ai said Blince PB type rotary speed reducer, "010" the maximum output torque 10KN.m, 099 reduction ratio was 99, "Ai" the Ai type output flange connection (see installation diagram).

PB系列/ PB Serie

PB010069(99)AI 外形安装图/ Installation Dimensions



最大扭矩 Max. Torque	减速比 Reduction ratio	最大输入转速 Max.input rotating ratio	最大使用压力 Max.Pressure	制动扭矩 Brake torque	最小开启压力 Releasing pressure	液压马达型号 Hydraulic motor model	重量 Weight
(N.m)	i	(rpm)	(Mpa)	(N.m)	(Mpa)		(Kg)
10000	69 (99)	400	12	-	-	ZM2-100	320

运行方式：连续垂直安装，输出轴向下
Operation mode: continuous vertical installation, the output shaft down

PB015103AI 外形安装图/ Installation Dimensions



最大扭矩 Max. Torque	减速比 Reduction ratio	最大输入转速 Max.input rotating ratio	最大使用压力 Max.Pressure	制动扭矩 Brake torque	最小开启压力 Releasing pressure	液压马达型号 Hydraulic motor model	重量 Weight
(N.m)	i	(rpm)	(Mpa)	(N.m)	(Mpa)		(Kg)
15000	103	400	10	-	-	ZM2-150	350

运行方式：连续垂直安装，输出轴向下
Operation mode: continuous vertical installation, the output shaft down

PB010069(99)BI 外形安装图/ Installation Dimensions



最大扭矩 Max. Torque	减速比 Reduction ratio	最大输入转速 Max.input rotating ratio	最大使用压力 Max.Pressure	制动扭矩 Brake torque	最小开启压力 Releasing pressure	液压马达型号 Hydraulic motor model	重量 Weight
(N.m)	i	(rpm)	(Mpa)	(N.m)	(Mpa)		(Kg)
10000	69 (99)	400	12	-	-	ZM2-100	350

运行方式：连续垂直安装，输出轴向下
Operation mode: continuous vertical installation, the output shaft down

PB020052TD 外形安装图/ Installation Dimensions



最大扭矩 Max. Torque	减速比 Reduction ratio	最大输入转速 Max.input rotating ratio	最大使用压力 Max.Pressure	制动扭矩 Brake torque	最小开启压力 Releasing pressure	液压马达型号 Hydraulic motor model	重量 Weight
(N.m)	i	(rpm)	(Mpa)	(N.m)	(Mpa)		(Kg)
20000	52.3	300	10	-	-	ZM3-300	370

运行方式：连续垂直安装，输出轴向下
Operation mode: continuous vertical installation, the output shaft down

ZYJ系列/ ZYJ Serie

产品特点/ Product Feature

ZYJ系列液压绞车由带单向平衡阀及控制制动器的高压梭阀组成的各种配流器，ZGM 型液压马达、Z 型制动器、C 型齿轮减速器、卷筒、机架等部件组成 (液压原理见图)，用户只需配备泵站和换向阀即可。由于绞车自带阀组，它不但简化了液压系统而且提高了传动装置和工作可靠性。ZYJ 液压绞车自带的液压阀组成功解决了一般绞车中存在的空钩抖动和提升中的二次下滑问题，使ZYJ 液压绞车在提升和下放工作中运转平稳。除此之外，它还具有起动和工作时效率高、能耗少、噪音低、外形美观、尺寸紧凑、经济性好等特点，它可应用于重力破碎牵引设备、履带和船用起重机、汽车起重机、吊管机、抓斗和具有破碎功能的钻机等设备中。

ZYJ series hydraulic winch is composed with all sorts of distributors that consist of high pressure shuttle valve formed with one–way balance valve and control brake, ZYJ type hydraulic motor, Z brake, C type gear reducer, reel and machine rack, etc. (Please see the diagram for the hydraulic principium). Users only need to configure pump station and change valve. As the winch has valve sets, it not only simplified the hydraulic system, but also enhances the working reliability of the transmission equipments. The hydraulic valve set of the ZYJ winch successfully solves the problem of other general type winch: empty hook vibration and secondary slide during hoisting, so ZYJ hydraulic winch works stably during the hoisting and lowering. Besides this, it has same otherfeatures: high efficiency during startup and work, few energy consumption, low noise, beautiful appearance, compact size and perfect economics. It can be applied in gravity crushing traction equipment, pedrail and automobile crane, pipe hoist machine, grab bucket and the drilling machine that has crushing function.

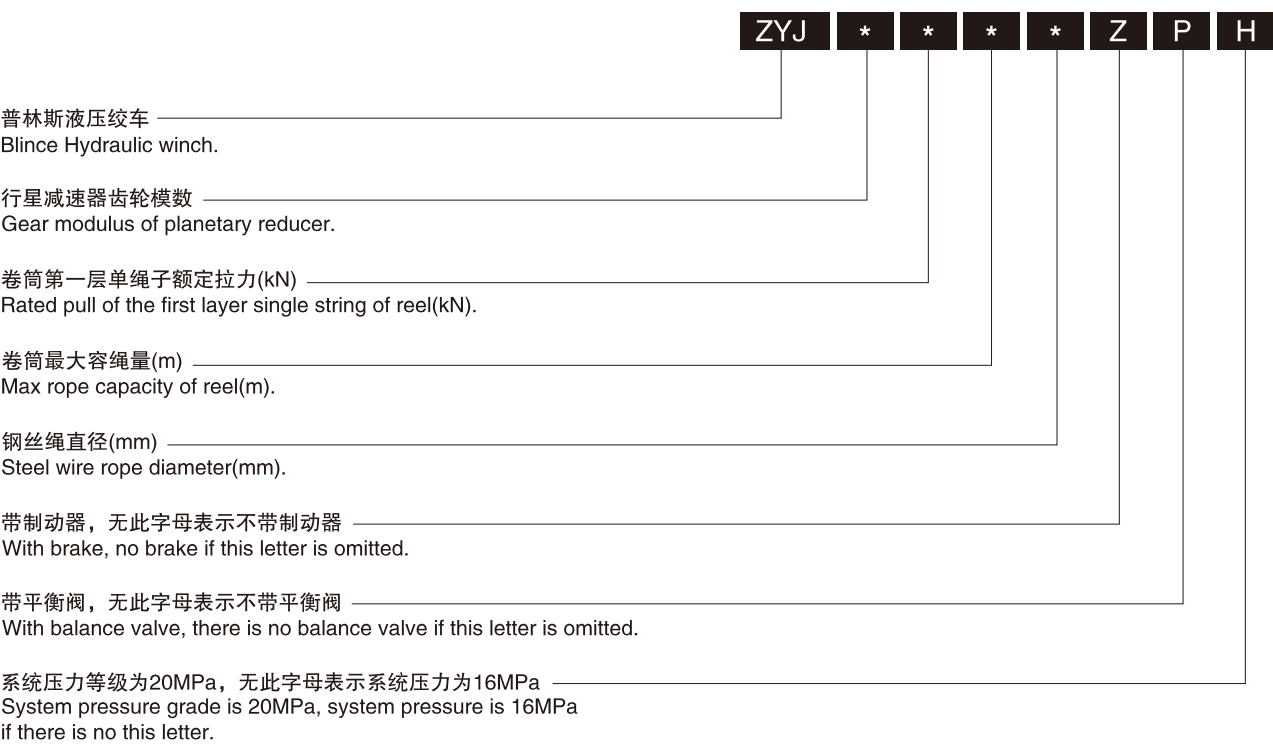
型号举例/ Example of Model

ZYJ6–120–315–30–ZPH表示：
行星减速器模数为6，钢丝绳的第一层拉力为120KN，卷筒容绳量为315m，钢丝绳直径Φ30mm，带制动器及单向平衡阀，压力等级为20MPa的液压绞车。

ZYJ6–120–315–30–ZPH indicates:
The hydraulic winch with planetary reducer modulus of 6 and the pull force of 120KN at the first alyer of steel wire rope;
The wire capacity of the reel is 315m and the diameter of steel wire rope is Φ30mm. It has brake and the one way balance valve and the pressure grade is 20MPa.

ZYJ系列/ ZYJ Serie

产品标识说明/ Ordering Code



参数说明/ Description of parameters

1. 该系列绞车的总排量为卷筒每转一转的供油量。

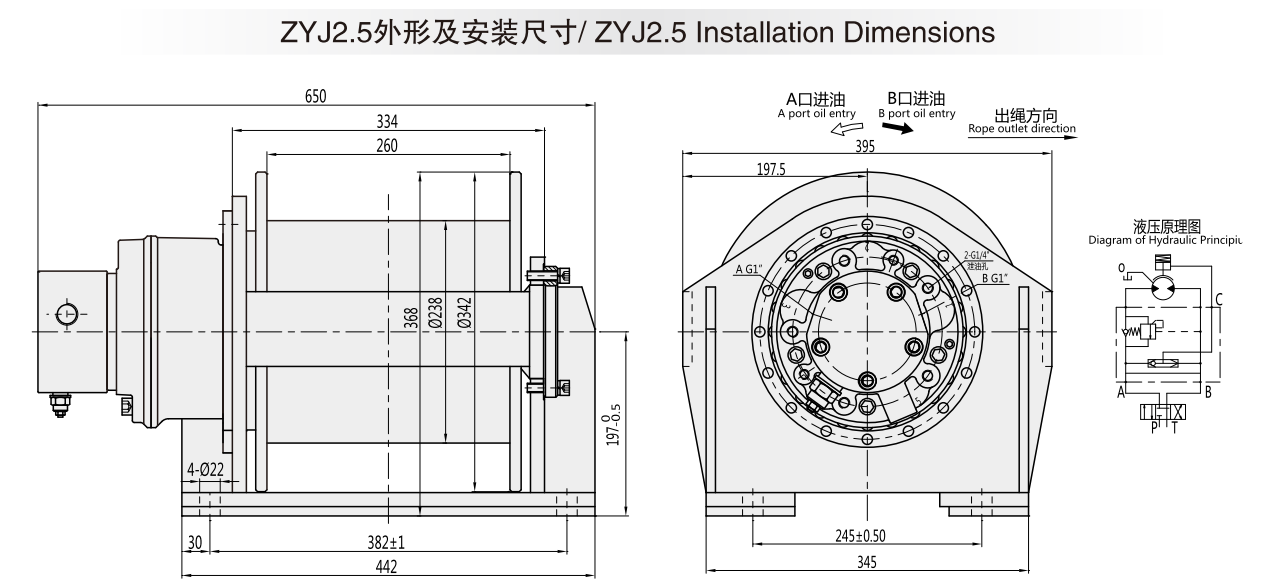
2. 供油量是泵站的理论流量，即在考虑系统效率90%的情况下所得的计算值。

3. 容绳量为绞车的理论最大容绳量，实际允许的有效容绳量应考虑保留3圈钢丝绳不用，以防绳头脱出。
1. The total displacement of the series of winch is the oil supply quantity when the reel rotates one circle.

2. The oil supply quantity is the theoretical flow of the pump station, namely, the calculated value of pump station under the conditions of considering the system efficiency of 90%.

3. The rope capacity of reel is the theoretica max capacity to hold the rope. The actually allowable effective rope capacity should consider keeping 3 loops of steel wire rope unused to pevent the rope end from disengagement.

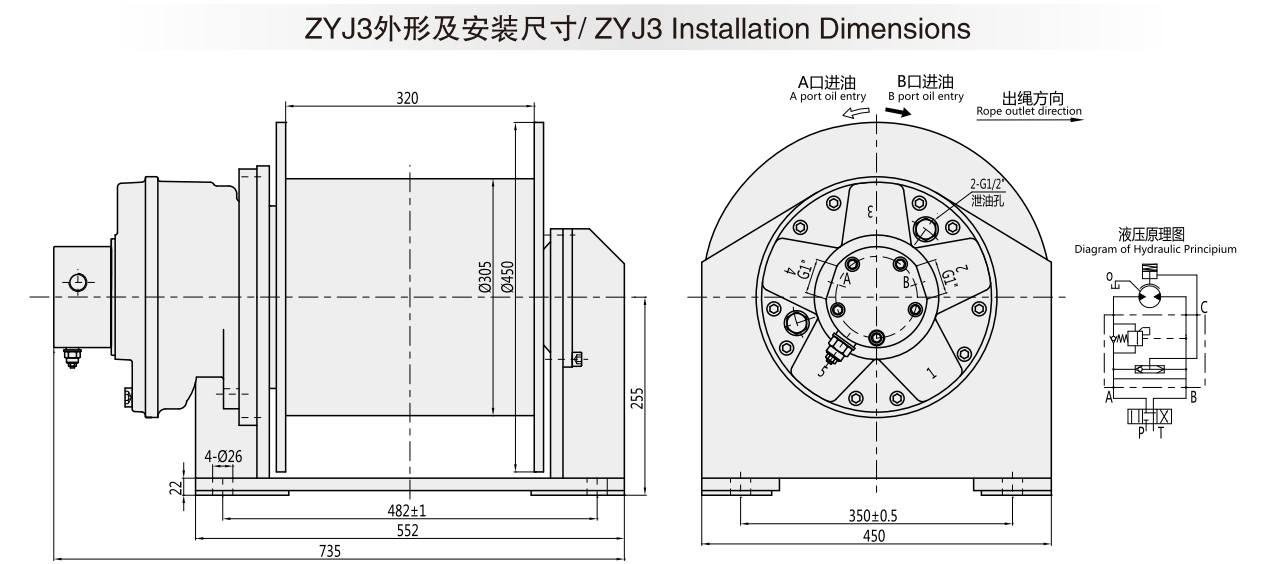
ZYJ2.5/ZYJ3系列/ ZYJ2.5/ZYJ3 Serie



技术参数/ Technical Specification

型号 Model	第一层 First layer		卷筒底径 Reel bottom diamete (mm)	总排量 Total displacement (ml/r)	工作压差 Difference of working pressures (MPa)	钢丝绳直径 Steel wire diameter (m)	容绳量 Rope Capacity (m)	液压马达型号 Model of hydraulic motor	行星减速器型号 Model of planetary reducer
	拉力(KN) Pull force	绳速(m/min) Rope speed							
ZYJ2.5-10-60-10-ZP	10	0-30	238	575	15	10	60	ZGM05-110D51	C2.5-5
ZYJ2.5-20-50-12-ZP	20	0-30	238	1050	17	12	50	ZGM05-200D51	C2.5-5.5

注：1.工作压差为绞车工作时AB进出口口的压力差；2.容绳量指的是三层时的容绳量。
Note: 1. The differential pressure at work and for the winch AB pressure oil mouths. 2. Rope capacity is three layers of rope capacity.

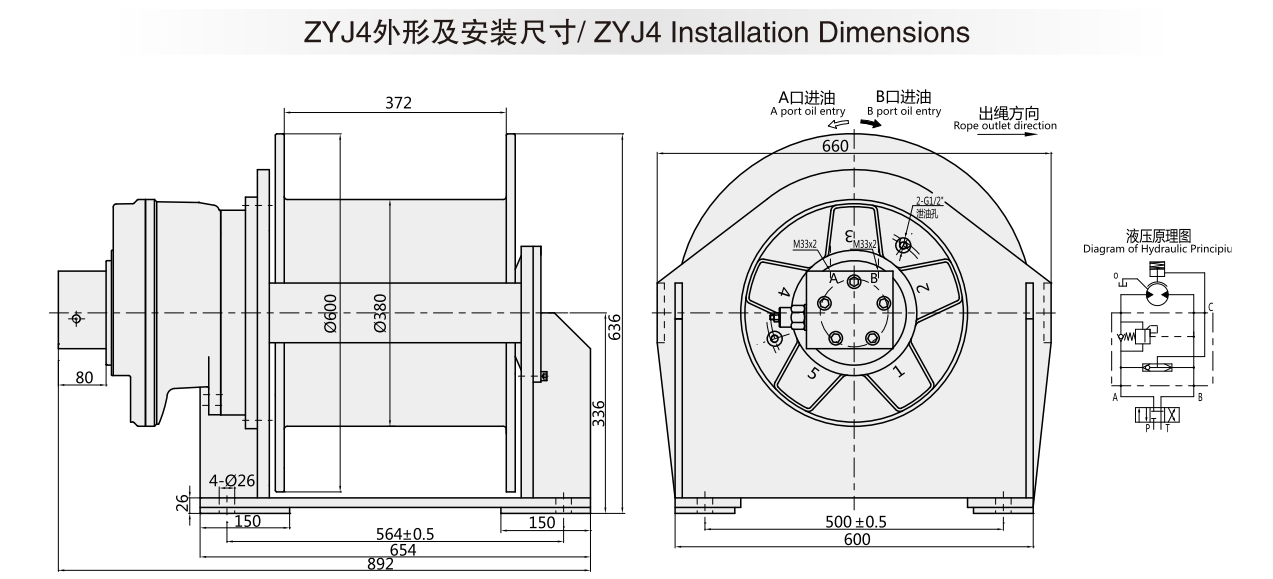


技术参数/ Technical Specification

型号 Model	第一层 First layer		卷筒底径 Reel bottom diamete (mm)	总排量 Total displacement (ml/r)	工作压差 Difference of working pressures (MPa)	钢丝绳直径 Steel wire diameter (m)	容绳量 Rope Capacity (m)	液压马达型号 Model of hydraulic motor	行星减速器型号 Model of planetary reducer
	拉力(KN) Pull force	绳速(m/min) Rope speed							
ZYJ3-30-65-15-ZP	30	0-35	305	2125	15.9	15	65	ZGM2-420D51	C3-5
ZYJ3-40-60-16-ZP	40	0-35	305	2711.5	16.4	16	60	ZGM2-500D51	C3-5.5

注：1.工作压差为绞车工作时AB进出口口的压力差；2.容绳量指的是三层时的容绳量。
Note: 1. The differential pressure at work and for the winch AB pressure oil mouths. 2. Rope capacity is three layers of rope capacity.

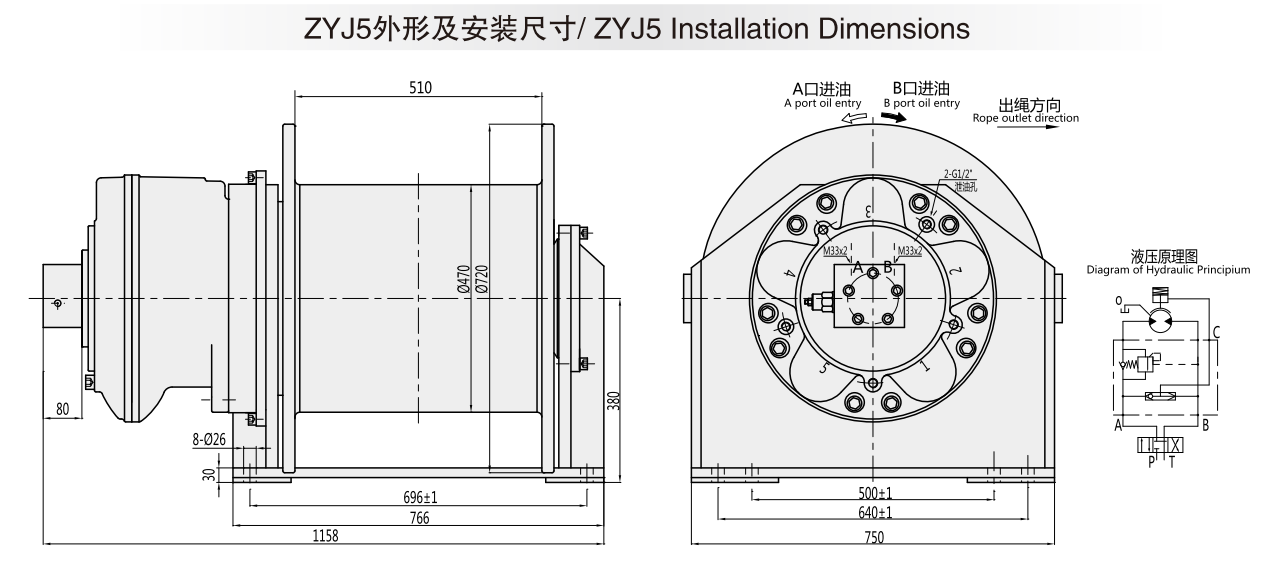
ZYJ4/ZYJ5系列/ ZYJ4/ZYJ5 Serie



技术参数/ Technical Specification

型号 Model	第一层 First layer		卷筒底径 Reel bottom diamete (mm)	总排量 Total displacement (ml/r)	工作压差 Difference of working pressures (MPa)	钢丝绳直径 Steel wire diameter (m)	容绳量 Rope Capacity (m)	液压马达型号 Model of hydraulic motor	行星减速器型号 Model of planetary reducer
	拉力(KN) Pull force	绳速(m/min) Rope speed							
ZYJ4-50-70-20-ZP	50	0-40	380	4365	16.3	20	70	ZGM3-900240101	C4-5
ZYJ4-60-68-21.5-ZP	60	0-40	380	5428.5	16	21.5	68	ZGM3-1000240101	C4-5.5

注：1.工作压差为绞车工作时AB进出口口的压力差；2.容绳量指的是三层时的容绳量。
Note: 1. The differential pressure at work and for the winch AB pressure oil mouths. 2. Rope capacity is three layers of rope capacity.



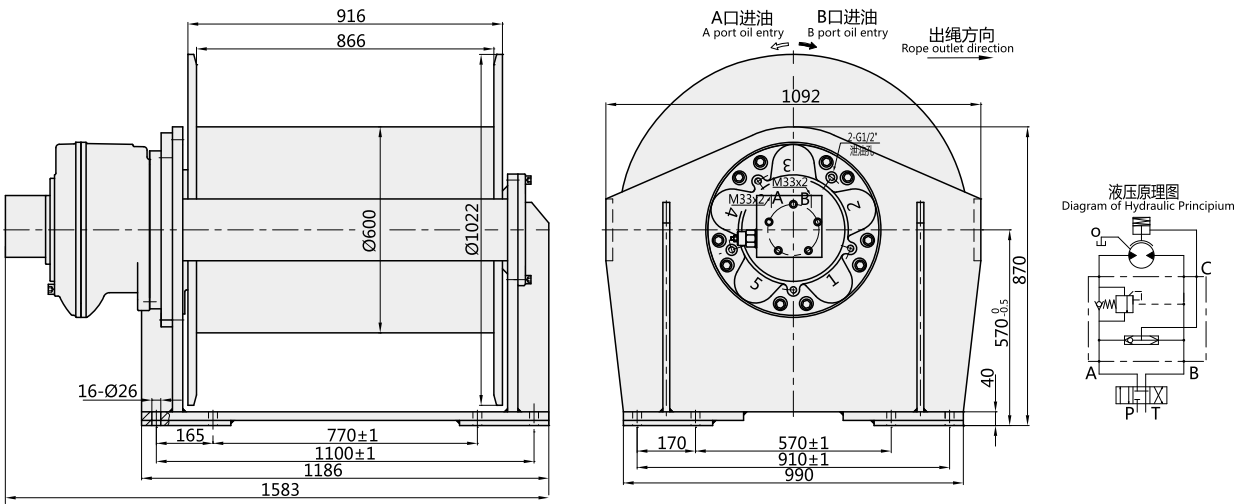
技术参数/ Technical Specification

型号 Model	第一层 First layer		卷筒底径 Reel bottom diamete (mm)	总排量 Total displacement (ml/r)	工作压差 Difference of working pressures (MPa)	钢丝绳直径 Steel wire diameter (m)	容绳量 Rope Capacity (m)	液压马达型号 Model of hydraulic motor	行星减速器型号 Model of planetary reducer
	拉力(KN) Pull force	绳速(m/min) Rope speed							
ZYJ5-80-100-24-ZP	80	0-40	470	9080	15.6	24	100	ZGM5-1800D240101	C5-5
ZYJ5-100-90-28-ZP	100	0-40	470	11039	16	28	90	ZGM5-2000D240101	C5-5.5

注：1.工作压差为绞车工作时AB进出口口的压力差；2.容绳量指的是三层时的容绳量。
Note: 1. The differential pressure at work and for the winch AB pressure oil mouths. 2. Rope capacity is three layers of rope capacity.

ZYJ6/ZYJ7系列/ ZYJ6/ZYJ7 Serie

ZYJ6外形及安装尺寸/ ZYJ6 Installation Dimensions

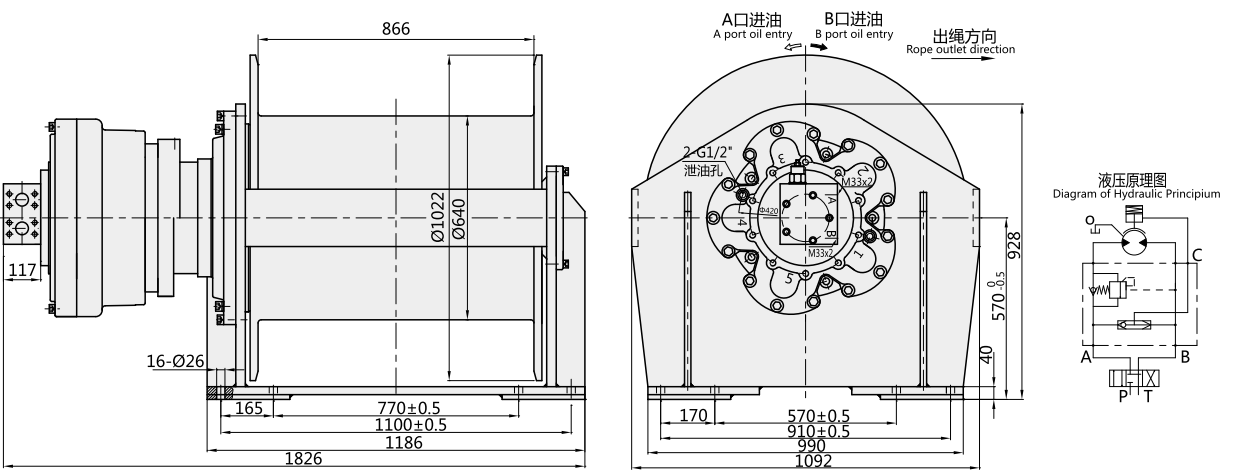


技术参数/ Technical Specification

型号 Model	第一层 First layer		卷筒底径 Reel bottom diamete (mm)	总排量 Total displacement (ml/r)	工作压差 Difference of working pressures (MPa)	钢丝绳直径 Steel wire diameter (m)	容绳量 Rope Capacity (m)	液压马达型号 Model of hydraulic motor	行星减速器型号 Model of planetary reducer
	拉力(KN) Pull force	绳速(m/min) Rope speed							
ZYJ6-120-176-30-ZP	120	0-30	600	16725	17.0	30	175	ZGM6-3000D480101	C6-5.5
ZYJ6-150-150-34-ZP	150	0-25	600	16725	19.8	34	150	ZGM6-3000D480101	C6-5.5

注：1.工作压差为绞车工作时AB进出口口的压力差；2.容绳量指的是三层时的容绳量。
Note: 1. The differential pressure at work and for the winch AB pressure oil mouths. 2. Rope capacity is three layers of rope capacity.

ZYJ7外形及安装尺寸/ ZYJ7 Installation Dimensions



技术参数/ Technical Specification

型号 Model	第一层 First layer		卷筒底径 Reel bottom diamete (mm)	总排量 Total displacement (ml/r)	工作压差 Difference of working pressures (MPa)	钢丝绳直径 Steel wire diameter (m)	容绳量 Rope Capacity (m)	液压马达型号 Model of hydraulic motor	行星减速器型号 Model of planetary reducer
	拉力(KN) Pull force	绳速(m/min) Rope speed							
ZYJ7-180-143-38-ZP	180	0-30	640	23639	17.8	38	143	ZGM7-4300D480101	C7-5.5

注：1.工作压差为绞车工作时AB进出口口的压力差；2.容绳量指的是三层时的容绳量。
Note: 1. The differential pressure at work and for the winch AB pressure oil mouths. 2. Rope capacity is three layers of rope capacity.

ZBJ系列/ ZBJ Serie

产品特点/ Product Feature

ZBJ系列液压绞车是引进意大利先进技术，并作为进一步改进的新产品。其结构主要有摆线马达、液压常闭多片式制动器、行星减速机器、卷筒机架等部件组成。另外，根据用户的实际需要可加装平衡阀、过载阀、高压梭阀、压绳器等附件，用户只需配备液压泵站和换向阀即可使用。由于绞车可自带阀组，它不但简化了液压系统而且提高了传动装置的工作可靠性。除此，它还具有起动和工作效率高、能耗少、噪音低、外形美观、尺寸紧凑、经济性等特点。可广泛用于建筑机械、石油、煤矿、地质探矿、铁路、船舶等设备中。特别适用于各类高空作业、随车起重机行业中，当您位置要求狭小、重量轻巧的情况下，它更是最经济、最简单可靠的解决方案。

ZBJ series hydraulic winch is the introduction of advanced technology in Italy, and as a further improvement of the new products. The structure is mainly composed of a motor, a hydraulic normally closed multi disc brake, a planet speed reducing machine, a drum rack and other components. In addition, according to the actual needs of users can be added to the installation of the balance valve, overload valve, high pressure shuttle valve, rope and other accessories, the user can only be equipped with a hydraulic pump station and the use of the valve can be used. Because the winch can take the valve group, it can not only simplify the hydraulic system but also improve the working reliability of the transmission device. In addition, it also has the characteristics of high starting and working efficiency, low energy consumption, low noise, beautiful appearance, compact size, good economy and so on. Can be widely used in construction machinery, petroleum, coal, geological prospecting, railways, ships and other equipment. Particularly applicableIn all kinds of high-altitude operations, with the truck crane industry, when you are on the location of the requirements of a small, lightweight case, it is the most economic, the most simple and reliable solution.

产品标识说明/ Ordering Code

ZBJ

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普林斯液压绞车
Blince Hydraulic winch.

卷筒底层单绳拉力 (kgf)
Rated pull of the first layer single string of reel (kgf)

卷筒容绳量 (m)
Max rope capacity of reel (m)

钢丝绳直径 (mm)
Steel wire rope diameter (mm)

A-表示单臂支撑，无表示双臂支撑
A-one arm support, there is no two arm support if this letter is omitted.

L-绞车带离合器，无表示不带离合器
L-with clutch, there is no clutch if this letter is omitted.

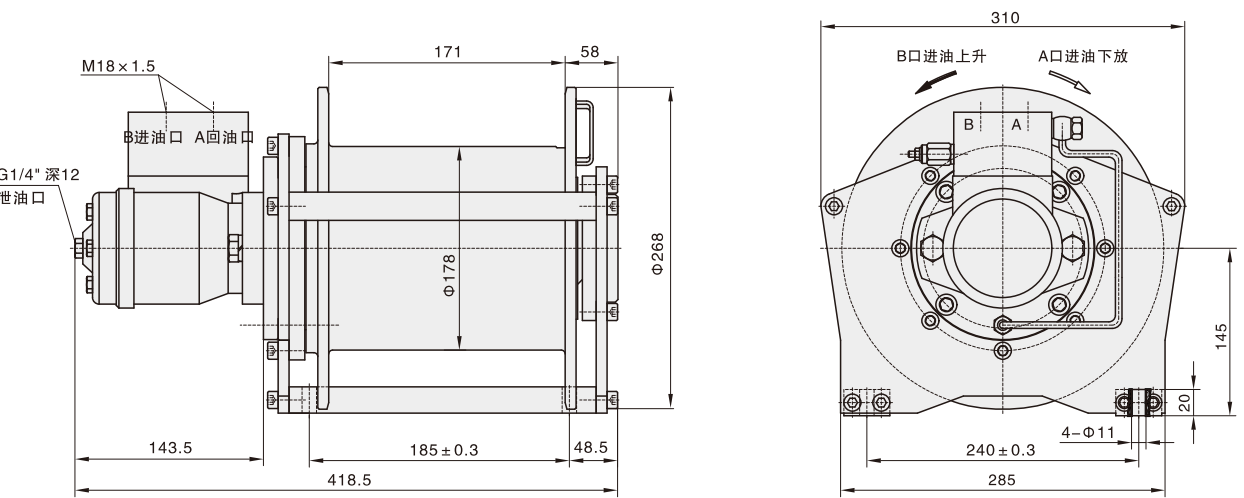
O-绞车带制动器，无表示不带制动器
O-with brake, no brake if this letter is omitted.

S-绞车带平衡阀，无表示不带平衡阀
S-with balance valve, there is no balance valve if this letter is omitted.

B-带沟槽，无表示不带沟槽
B-with grooves, there is no grooves if this letter is omitted.

ZBJ系列/ ZBJ Serie

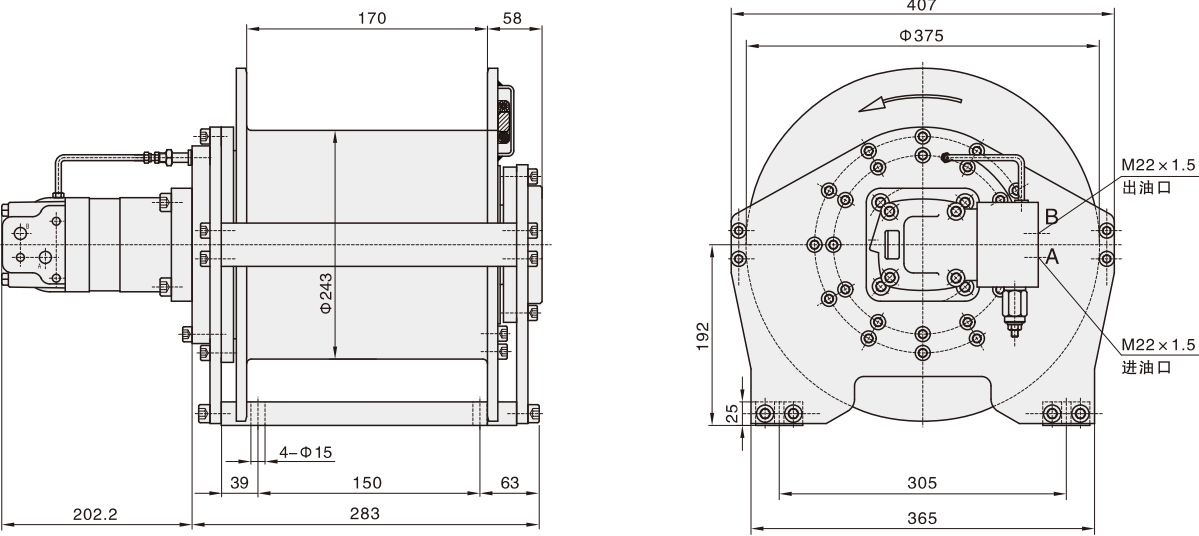
ZBJ500–ZBJ1300外形及安装尺寸/ ZBJ500–ZBJ1300 Installation Dimensions



技术参数/ Technical Specification

型号 Model	单绳拉力 Pull force (kgf)	总排量 Total displacement (ml/r)	提升压力 Lift pressures (Mpa)	绳速 Rope speed (m/min)	钢绳直径 Steel wire diameter (mm)	层数 Rope layers	容绳量 Rope capaciyy (m)	重量 Weight (kg)	马达型号 Motor model
ZBJ500	500	416	14	63	6	4	67	45	BM1–80
ZBJ800	800	520	14	54	8	4	53	45	BM1–100
ZBJ1100	1100	650	14	41	8	4	53	45	BM1–125
ZBJ1300	1300	832	14	45	9	4	48	45	BM1–160

ZBJ1500–ZBJ2500外形及安装尺寸/ ZBJ1500–ZBJ2500 Installation Dimensions

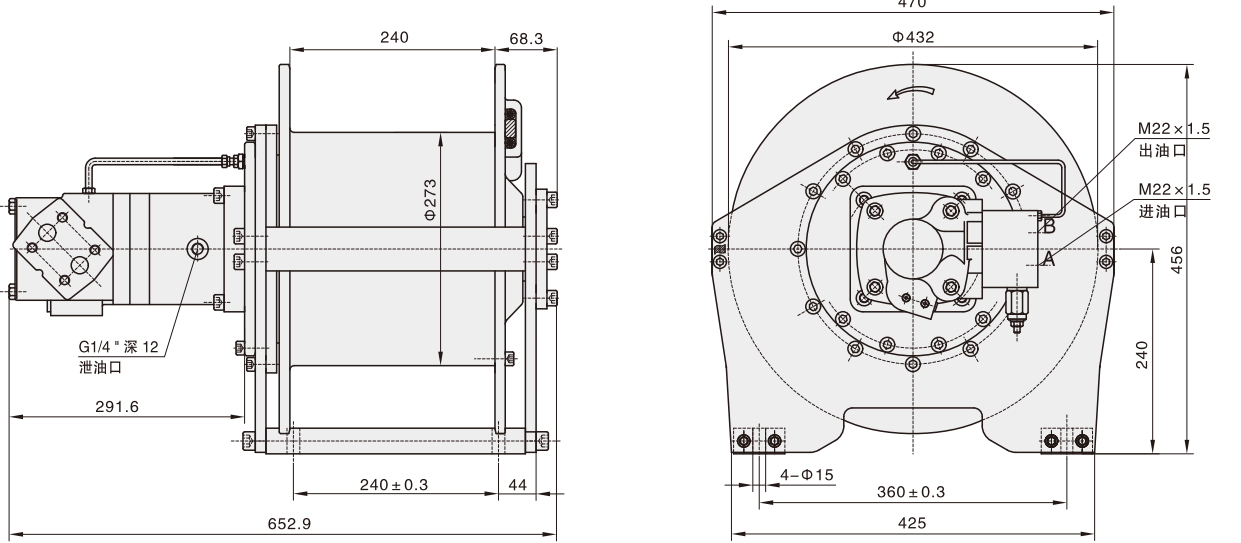


技术参数/ Technical Specification

型号 Model	单绳拉力 Pull force (kgf)	总排量 Total displacement (ml/r)	提升压力 Lift pressures (Mpa)	绳速 Rope speed (m/min)	钢绳直径 Steel wire diameter (mm)	层数 Rope layers	容绳量 Rope capaciyy (m)	重量 Weight (kg)	马达型号 Motor model
ZBJ1500	1500	980	21	42	10	4	60	116	BM5–160
ZBJ2000	2000	1200	21	35	10	4	60	116	BM5–195
ZBJ2500	2500	1500	21	52	12	4	52	116	BM6–245

ZBJ系列/ ZBJ Serie

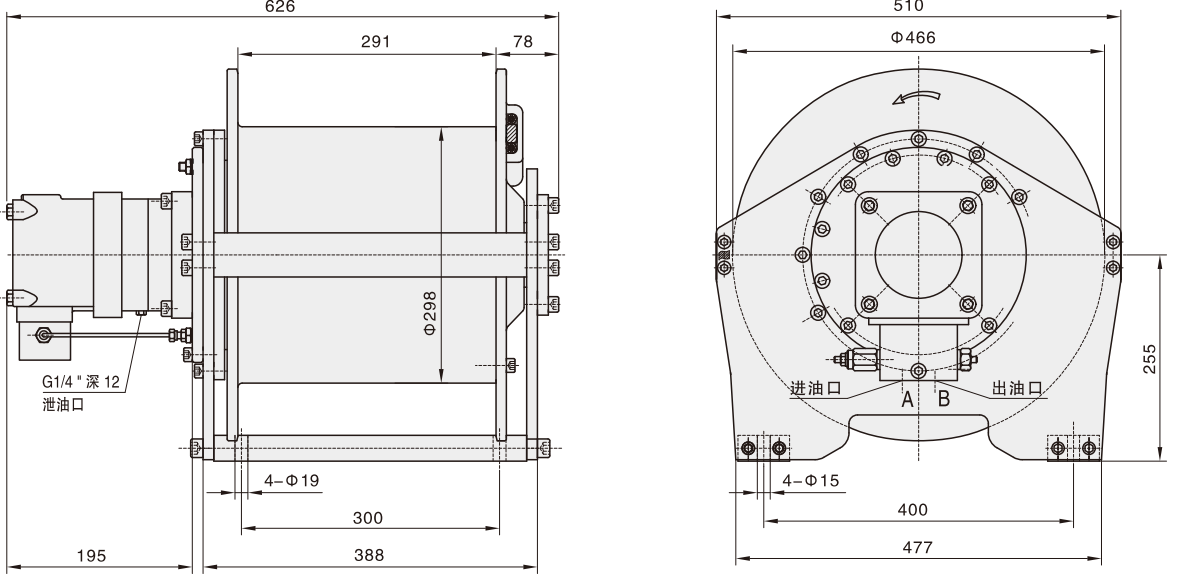
ZBJ2600–ZBJ3600外形及安装尺寸/ ZBJ2600–ZBJ3600 Installation Dimensions



技术参数/ Technical Specification

型号 Model	单绳拉力 Pull force (kgf)	总排量 Total displacement (ml/r)	提升压力 Lift pressures (Mpa)	绳速 Rope speed (m/min)	钢绳直径 Steel wire diameter (mm)	层数 Rope layers	容绳量 Rope capaciyy (m)	重量 Weight (kg)	马达型号 Motor model
ZBJ2600	2600	1600	21	54	12	4	76	174	BM6–245
ZBJ3200	3200	2000	21	44	14	4	66	174	BM6–310
ZBJ3600	3600	2600	21	40	14	4	66	174	BM6–395

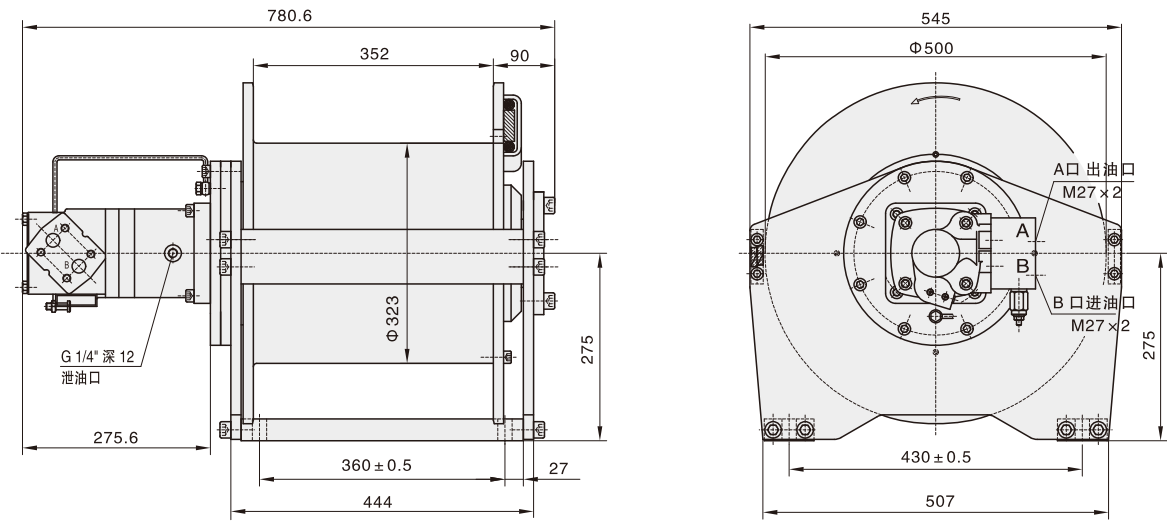
ZBJ4500外形及安装尺寸/ ZBJ4500 Installation Dimensions



技术参数/ Technical Specification

型号 Model	单绳拉力 Pull force (kgf)	总排量 Total displacement (ml/r)	提升压力 Lift pressures (Mpa)	绳速 Rope speed (m/min)	钢绳直径 Steel wire diameter (mm)	层数 Rope layers	容绳量 Rope capaciyy (m)	重量 Weight (kg)	马达型号 Motor model
ZBJ4500	4500	2800	21	36	15	4	89	300	BM6–200

ZBJ5700外形及安装尺寸/ ZBJ5700 Installation Dimensions



技术参数/ Technical Specification

型号 Model	单绳拉力 Pull force (kgf)	总排量 Total displacement (ml/r)	提升压力 Lift pressures (Mpa)	绳速 Rope speed (m/min)	钢丝绳直径 Steel wire diameter (mm)	层数 Rope layers	容绳量 Rope capaciity (m)	重量 Weight (kg)	马达型号 Motor model
ZBJ5700	5700	5400	21	26	16	4	102	374	BM6-245

产品特点/ Product Feature

IKY系列履带（车轮）用液压传动装置由具有制动功能的阀组、液压马达、制动器、一级或二级行星减速器组成。它的特点是工作和起动效率高、工作可靠，其输出为转动的外壳，可直接与车轮或履带驱动链轮相连接，由于轴向尺寸较小，因而可内藏在车轮或履带内，这一特点提高了行走机械的整机通过能力，并使整机的结构紧凑外形美观。因而该产品已广泛用于工程车辆、履带挖掘机、非开挖钻机、潜孔钻机、轨道车辆、煤炭掘进机、矿山钻机、旋挖钻机等设备的履带或车轮的驱动装置中，产品不但畅销全国，并出口到新加坡、印度、韩国、荷兰等地区。

IKY series hydraulic transmission for caterpillar (wheel) consist of a variety of valve block with the function of brake, hydraulic motor, one or two level planetary gearbox. a number of excellent features distinguish from other similar products in design: high efficiency of startup and operation, high reliability, the revolved casing as output can directly connect with the chain wheel of caterpillar drive. Due to the small axial dimension, the hydraulic transmission can be set inside of wheel or caterpillar. They not only improve the trafficability of the motion machine, but also make the figure compact and elegant. So they have been widely applied in construction vehicle, track wheel, caterpillar excavator, caterpillar motion drive mechanism of a variety of drillers and caterpillar mining machine.

液压系统的选择/ Selection of hydraulic system

1、对于大多数小型履带式钻机和挖掘机，建议选用不带机械制动器的系统，因为IKY系列传动装置的液压系统中已设置了能在斜坡上长期停留的制动系统，（该液压系统已申请了发明专利），即使当停机时，停在斜坡上的机器也不会发生溜车的事故，因为停机时在液压马达和双向平衡阀之间的封闭回路中始终充满了液压油，因而液压马达本身就可起到制动作用，由于ZGM型液压马达运动件的泄漏很少，因此机器在斜坡上的滑移量极少，完全可以满足挖掘工况的要求，此点已为多家挖掘机用户长期实际使用所证明。

2、对于车轮或履带传动装置的方向控制阀中位机能一般均应选择“Y”机能，也就是换向阀中位时应使马达进出口A、B与通油箱的“T”口机通，这样具有过载保护功能的平衡阀在起到制动功能的同时还可起到过载保护作用，使制动过程中的机器惯性冲击力减到最小，这将有利于延长传动装置的使用寿命和工作的可靠性。由于挖掘机油缸工作压力要求很高，在同一台泵供给油缸的传动装置时，为了保证传动装置可以在较低的压力范围内工作，国此在控制传动装置的换向阀 A、B 口之间一般应设置双向过载保护阀，使之可以任意调节传动装置的工作压力，对于生产挖掘机的用户来讲，当挖掘机出厂前必须根据设计要求或传动装置样本或说明书调定这些过载保护阀，以保证产品的性能和配套产品的可靠性，如果忽略了这点将会产生损坏工作部件的严重后果，因此建议液压系统中必须设置压力表，这样可以监视各种阀件压力调定是否合理。

1、For the most of small caterpillar driller and excavator, recommended not to select the system with mechanical brake. The IKY series hydraulic transmission system included the brake system that can ensure system staying the slope for long time (the hydraulic system has patent claim), even if stopping the machine could not occur slide accident. The cause is that the closed circuit between hydraulic motor and bi-directional counterbalance valve still is full of oil. So the hydraulic motor itself has the function of brake. Due to the low drain of ZGM hydraulic motor, the distance of slide is mini. The product could completely meet the of our excavator customer.

2、The mid position of directional valve adopted the function of "Y" to let the main port A and B of motor connect with port "T" of tank. So the counterbalance valve not only has the function of brake, but also has the function of overload protecton. The inertia shock has been reduced to mini and also improved the lifetime and reliability of operation. Due th the high pressure of cylinder and transmission drive, the bi-directional counterbalance valve set between the port A and port B to ensure the transmission drive working in lower pressure. The customer can adjust the pressure of counterbalance valve arbitrarily. But please adjust these valves according to the specific requirement to make sure the reliability of product. If neglect this point, the working component could the damaged seriously. Therefore, recommended to mount the pressure gauge in the hydraulic system to monitor the adjusted pressure of these valves.

型号规格的选择/ Selection of Model

本系列产品的各种基型均有多个方案可供选择，样本中列出的只是部分规格，实际上尺寸相同的同一种液压马达有多种排量，尺寸相同的行星减速器也有几种传动比，它们之间适当组合，就可得到很多种总排量，（即液压马达排量乘以传动比）因此为了满足机器工况（牵引力及行走速度），在液压系统流量Q、链轮分度圆直径D、行走速度V已经给定的条件下总排量的计算公式为：

$$\Sigma q = 0.1885 \cdot Q \cdot D \cdot \eta_1 \cdot \eta_2 \cdot \eta_3 / v \text{ (ml/rev) } \text{—— ①}$$

式中： Q – 泵的理论流量 (L/min)
D – 车轮或链轮分度圆直径 (mm)
V – 车轮或履带行走速度 (km/h)
 η_1 – 泵的容积效率：对柱塞泵 $\eta_1=0.96\sim0.97$ ，
对齿轮泵 $\eta_1=0.88\sim0.9$
 η_2 – 控制阀的容积效率： $\eta_2=0.985\sim0.995$
 η_3 – 液压马达容积效率： INM系列马达 $\eta_3=0.97\sim0.98$
IGM系列马达 $\eta_3=0.98\sim0.99$

根据 ① 式计算所得的总排量，可以适当选择液压马达和行星减速器的规格，它们可以有多种组合为了选择出最合适的组合此时应考虑：首先液压马达的速度不能超出液压马达允许的最高转速，传动装置的转速。

$$\eta = 5300V/D \text{ (r/min) } \text{—— ②}$$

式中： V – 行走速度 (km/h)
D – 车轮或链轮分度圆直径 (mm)
液压马达的转速
 $\eta_1 = \eta \cdot i \text{ (r/min) }$
式中： i – 行星减速器传动比 —— ③

由式 ③ 可见，为了使 η_1 小于液压马达所允许的最高转速，i 值取小值较好，但另一方面液压马达的排量。

$$q_1 = \Sigma q / i \text{ (ml/rev) } \text{—— ④}$$

由式 ④ 可见，i 值取小值时，在 Σq 不变情况下，马达的排量 q_1 值就增大，对同一种尺寸的液压马达， q_1 值是有限制的，不能任意增大，而具当 q_1 值选大值时，在相同工作压力和工作转速条件下，随着 q_1 值增大，液压马达的工作寿命与 q_1 值成 3.3 次方比例减少，为此在满足液压马达最高转速的条件下，i 值应该尽量选取大值，以使 q_1 值变小，这样有利于提高液压马达的使用寿命。由计算所得到的 Σq 值应该按液压马达的排量进行调整，使之尽可能与计算值相接近。

The series products have many basic sizes to be available. The catalog only listed typical sizes. In fact, only the same size of hydraulic motor and gearbox both have many different displacements. There could get an amount of total displacements (displacement of motor multiply reduction ratio) by different combination. In order to meet the operation of machine (traction and motion speed), given the flow Q, the reference circle diameter D, motion speed V, the total displacement is as follow:

$$\Sigma q = 0.1885 \cdot Q \cdot D \cdot \eta_1 \cdot \eta_2 \cdot \eta_3 / v \text{ (ml/rev) } \text{—— ①}$$

Where: Q – Theoretical flow of pump (L/min)
D – Reference diameter of wheel or chain wheel (mm)
V – Motion speed of wheel or caterpillar (km/h)
 η_1 – Volumetric efficiency of pump: displacement pump $\eta_1=0.96\sim0.97$, gear pump $\eta_1=0.88\sim0.9$
 η_2 – Volumetric efficiency of control valve: $\eta_2=0.985\sim0.995$
 η_3 – Volumetric efficiency of motor: INM series hydraulic motor, $\eta_3=0.97\sim0.98$
IGM series hydraulic motor, $\eta_3=0.98\sim0.99$

Calculated the total displacement from ① formula. Selection of hydraulic motor and planetary gearbox should consider some factors as follows: First, speed of hydraulic motor could not be over the peak speed of motor. The speed of transmission drive.

$$\eta = 5300V/D \text{ (r/min) } \text{—— ②}$$

Where: V – speed of motion (km/h)
D – reference diameter of wheel or chain wheel (mm)
Speed of hydraulic motor
 $\eta_1 = \eta \cdot i \text{ (r/min) } \text{—— ③}$
Where: i – reduction ratio of planetary gearbox
From ③ formula, in order to obtain η_1 , not over the peak speed of hydraulic motor, the value of peak speed of motor (i) is smaller, but the displacement of hydraulic motor.

$$q_1 = \Sigma q / i \text{ (ml/rev) } \text{—— ④}$$

From ④ formula, when i is smaller and Σq is given, the displacement of motor (q_1) increased. For the same form size motor, the value of q_1 has limit, and when the value of q_1 increased, the lifetime of motor reduced as q_1 with a proportion of 3.3 powers. So when the peak speed of motor is meet, the value of i should choose the bigger one to make the value of q_1 smaller. Only do this could improve the lifetime of motor. Please round the calculated value of Σq to approach the standard value.

传动装置工作压力的计算/ Calculation of working pressure

传动装置的额定扭矩应考虑机器的重量，爬坡坡度要求，轮子或履带的接地比压和地面的工作条件等因素，这可参考车辆和挖掘机有关设计资料或相类似的现有产品来确定。当传动装置的额定扭M值确定后，液压系统的工作压力

$$P = 6.55 \cdot M / \Sigma q \cdot \eta_4 \cdot \eta_5 - \Delta P \text{ (MPa) } \text{—— ⑤}$$

式中： ΔP – 液压系统中阀件及管路的压力损失 (MPa) ,
一般 $\Delta P \cong 1\text{MPa}$, M—额定扭矩 (N · m) ,
 Σq – 总排量 (ml/rev) ,
 η_4 – 液压马达机械效率: $\eta_4=0.9\sim0.92$ (马达规格大取大值),
 η_5 – 行星减速器的传动效率: 对 1 级行星减速箱 $\eta_5=0.98$
对 2 级行星减速箱 $\eta_5=0.96$

本系列产品的额定压力建议不大于 25MPa，如果计算结果大于25MPa，则应该增大 Σq ，重新选定型号规格。

The rated torque of transmission drive should consider the weight of machine, slope angle, specific pressure and some other factors. After getting of hydraulic system the value of rated torque M by related design material or products, the pressure

$$P = 6.55 \cdot M / \Sigma q \cdot \eta_4 \cdot \eta_5 - \Delta P \text{ (MPa) } \text{—— ⑤}$$

Where: ΔP – pressure loss of valves and pipelines (MPa) ,
normally $\Delta P \cong 1\text{MPa}$, M — rated torque (N · m) ,
 Σq – total displacement (ml/rev) ,
 η_4 – mechanical efficiency of hydraulic motor: $\eta_4=0.9\sim0.92$ (choose large value when large size of motor) ,
 η_5 – transmission efficiency of planetary gearbox: for the 1 level planetary gearbox $\eta_5=0.98$
for the 2 level planetary gearbox $\eta_5=0.96$

Recommended the rated pressure of these series products is not over 25MPa. If the value of calculation is bigger than 25MPa, please increase Σq and select the model again.

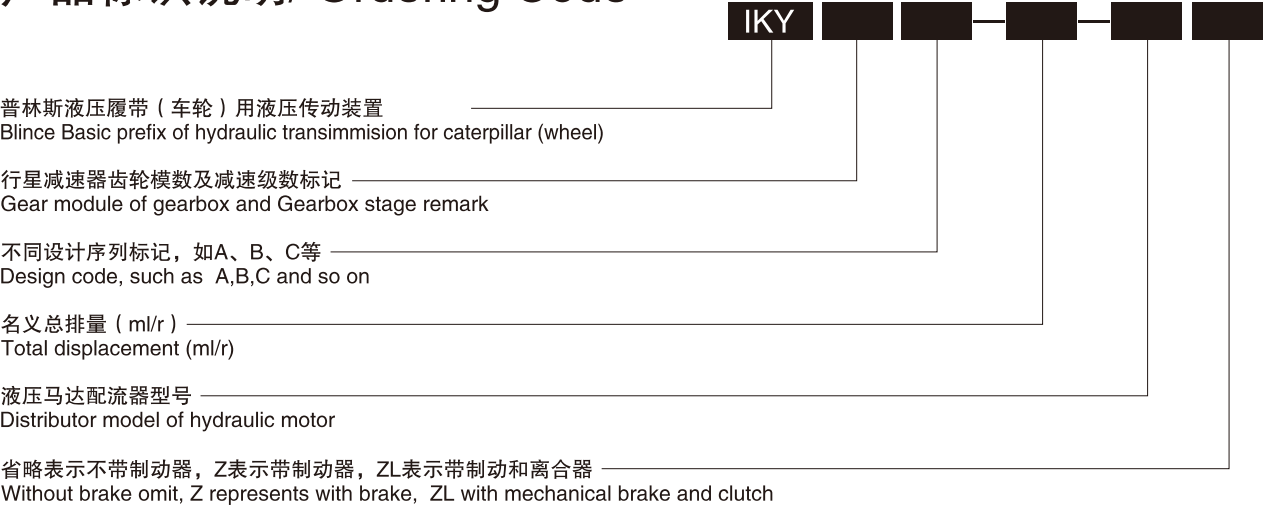
IKY系列/ IKY Serie

配流器型号的选择/ Selection of distributor

配流器详细的资料可参见本公司液压马达样本配流器部份。在本样本中列出的各型号产品所配的配流器型号是一种建议的规格，用户可以根据各自的实际情况改选其它更适合的产品，但选择中一般应该注意按泵供给的流量来考虑，各种配流器允许的流量主要受所带的美国SUN公司进口的双向平衡阀流量的限制，SUN公司阀的流量规格有0~60、0~120、0~240和0~480L/min 4种，对应本公司配流器的型号分别为 D602、D1202、D2402 和 D90+F4802，在不超过最大流量值的条件下，用户可以尽量选用较小的规格，这样可以缩小空间尺寸，降低产品成本。上述型号中 D60表示流量为0~60L/min的配流器，60后面的 2表示带双向平衡阀，其它型号意思类同。

Please refer to the catalog of high torque low speed hydraulic motor for more information of distributor. The fitted distributor in this catalog is recommended model. The customer can change the selection according to the practical need. But the selection of distributor should consider the supply flow of pump, and the flow limit of counterbalance valve from USA SUN CO.,LTD. The standard flow models of valve from SUN includes 0~60, 0~120, 0~240 and 0~480L/min four types, so the distributors of our company are respectively D602, D1202, D2402, and D90+F4802. Please select eh smaller type model when the maximal flow could be satisfied to reduce the figure dimension and cost. D60 in above model represents the flow of 0~60L/min, the 2 behind 60 represents bi-directional counterbalance valve. The other models are similar as above.

产品标识说明/ Ordering Code



选型举例/ Example of Model Selection

IKY34A-6500D240201Z表示行星减速器为二级减速，齿轮模数第一级3mm，第二级为4mm，设计序列为A，名义总排量为6500ml/r，液压马达配流器型号为D240201，带制动器。

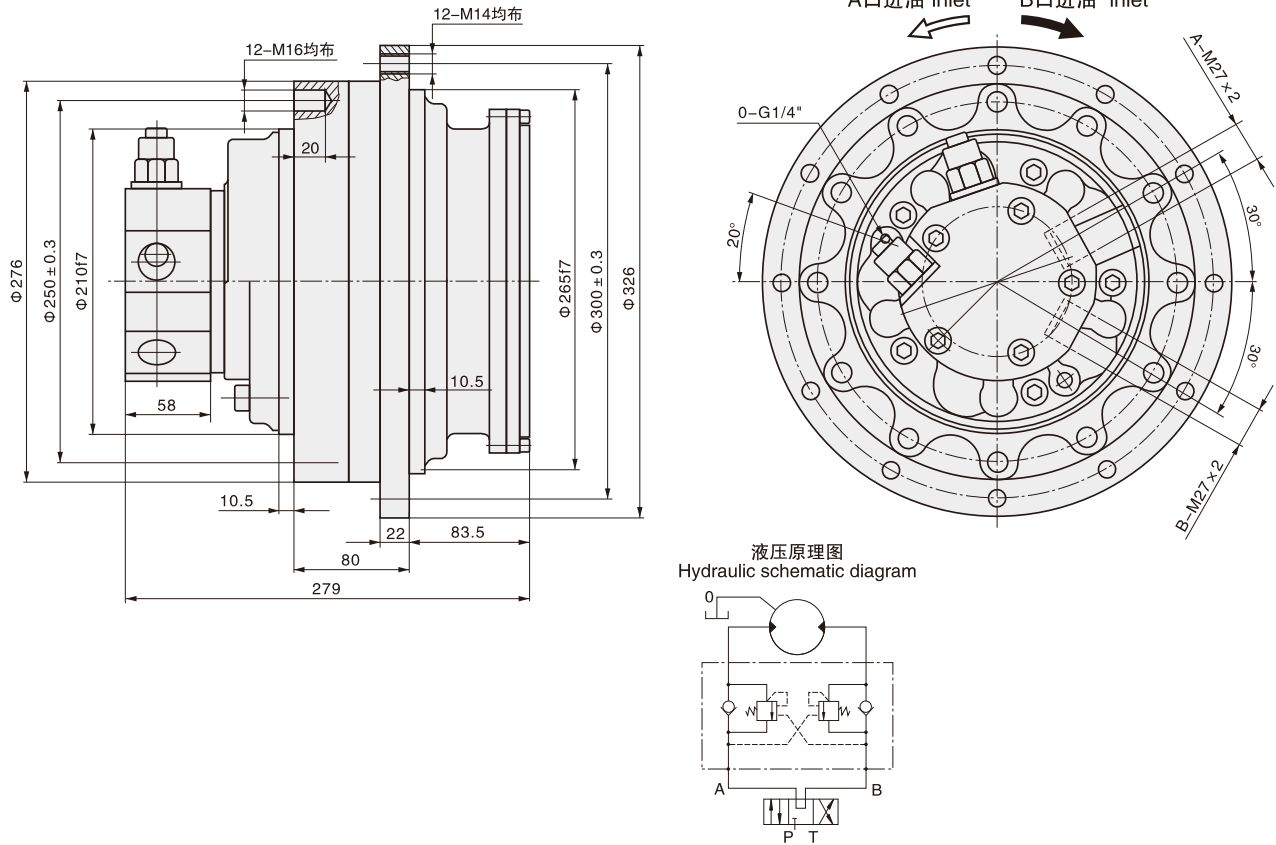
IKY34A-6500D240201Z represents that planetary gearbox have two stage, the 1st stage gear module is 3mm and the 2nd stage is 4mm, the serial label is A, nominal total displacement is 6500ml/r and distributor model is D240201 with brake.

名词解释/ Noun interpretation

- 1、总排量：行走马达每转一转所需的油量。
- 2、泵理论供油流量（ L/min ）= $\frac{\text{总排量(ml/r)} \times \text{行走马达转速(r/min)}}{1000}$
- 1. Total displacement: Oil quantities required for each revolution
- 2. Pump oil flow（ L/min ）= $\frac{\text{Total displacement (ml/r)} \times \text{motor Speed(r/min)}}{1000}$

IKY2.5A系列/ IKY2.5A Serie

IKY2.5A外形及安装尺寸/ IKY2.5A Installation Dimensions

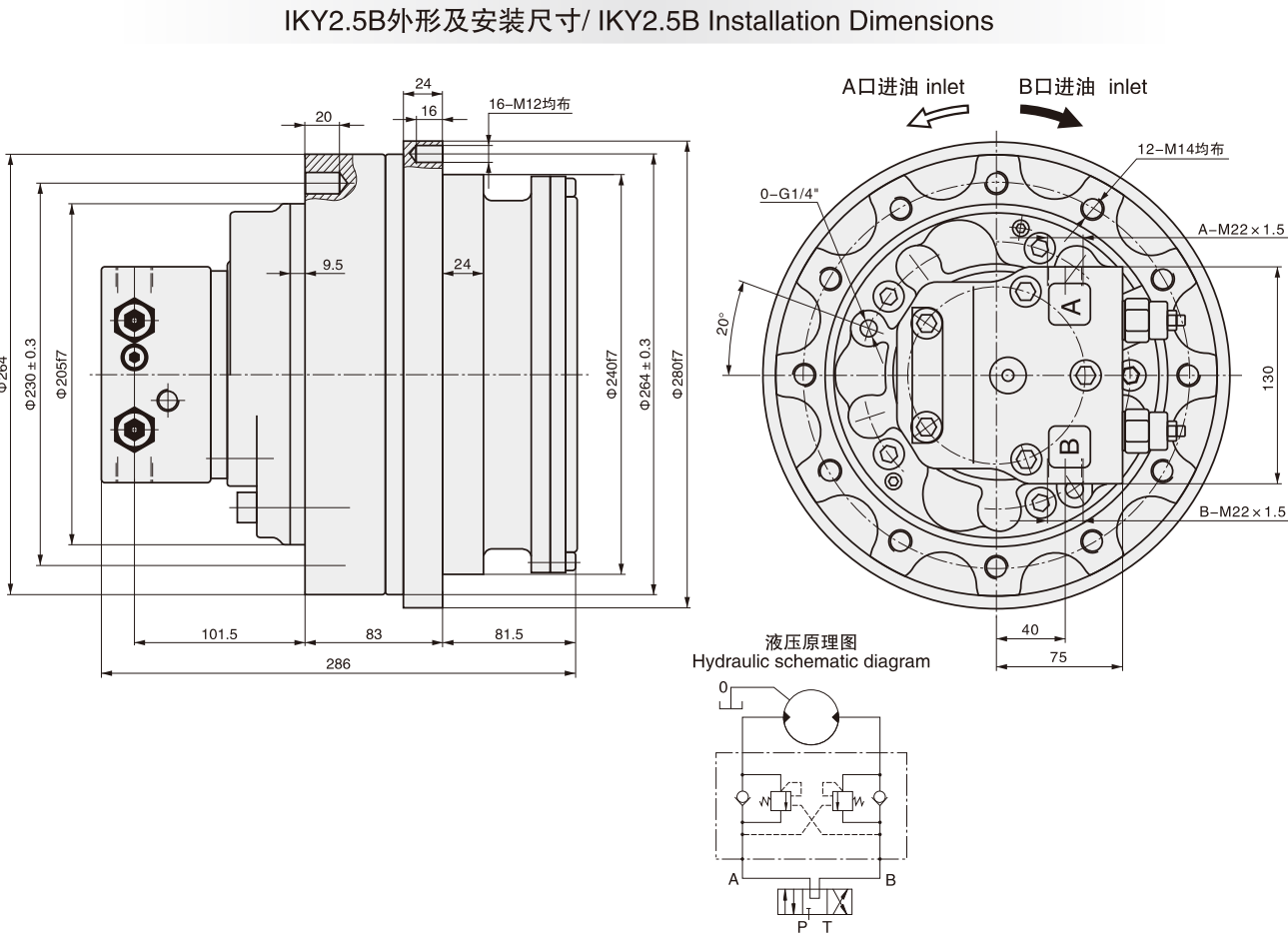


技术参数/ Technical Specification

型 号 Model	扭矩 Torque (N.m)		转速范围 Speed range (r/min)	传动比 Rotating ratio	压力 Pressure (Mpa)		总排量 Total displacement (ml/r)	液压马达 Hydraulic motor		重量 Weight (kg)	适用机重 Applicative machine weight (T)
	额定 Rated	最高 Peak			额定 Rated	最高 Peak		型 号 Model	排量 (ml/r) Displacement		
IKY2.5A-1200D1202	3100	3880	1-90	6	20	25	1146	ZGM05-200D1202	191	55	4-5
IKY2.5A-1000D1202	2670	3320	1-90	6	20	25	996	ZGM05-170D1202	166	55	4
IKY2.5A-900D1202	2430	3040	1-100	6	20	25	906	ZGM05-150D1202	151	55	3.5
IKY2.5A-800D1202	2080	2590	1-100	6	20	25	774	ZGM05-130D1202	129	55	3
IKY2.5A-700D1202	1850	2300	1-100	6	20	25	690	ZGM05-110D1202	115	55	2.5
IKY2.5A-520D1202	1380	1730	1-110	3	20	25	516	ZGM05-90D1202	86	55	2
IKY2.5A-450D1202	1190	1490	1-110	6	20	25	444	ZGM05-75D1202	74	55	1-2
IKY2.5A-570D1202	1550	1940	1-200	3	20	25	573	ZGM05-200D1202	191	60	4-5
IKY2.5A-500D1202	1335	1660	1-200	3	20	25	798	ZGM05-170D1202	166	60	4
IKY2.5A-450D1202	1215	1520	1-210	3	20	25	453	ZGM05-150D1202	151	60	3.5
IKY2.5A-390D1202	1040	1295	1-210	3	20	25	387	ZGM05-130D1202	129	60	3
IKY2.5A-350D1202	925	1150	1-210	3	20	25	345	ZGM05-110D1202	115	60	2.5
IKY2.5A-260D1202	690	865	1-230	3	20	25	258	ZGM05-90D1202	86	60	2
IKY2.5A-220D1202	595	745	1-230	3	20	25	222	ZGM05-75D1202	74	60	1-2

注： 1、输出扭矩是指在系统压力下，系统压力损失1MPa，考虑减速器效率以及液压马达效率时的实际输出扭矩；
2、最大输出扭矩和最高输出转速工况不允许同时出现；
3、马达泄漏口 0 需直接回油箱；
4、换向阀中位机能必须是 “Y” 型或 “H” 型；
Note: 1.Output torque is the actual output torque under the condition of system pressure lost 1Mpa and considering the gearbox efficiency and hydraulic motor efficiency.
2.Max output torque and Max speed is not at the same time.
3.The leakage outlet 0 must connect to the oil tank directly.
4.Diverter valve's medium function must be “Y” or “H” type.

IKY2.5B系列/ IKY2.5B Serie

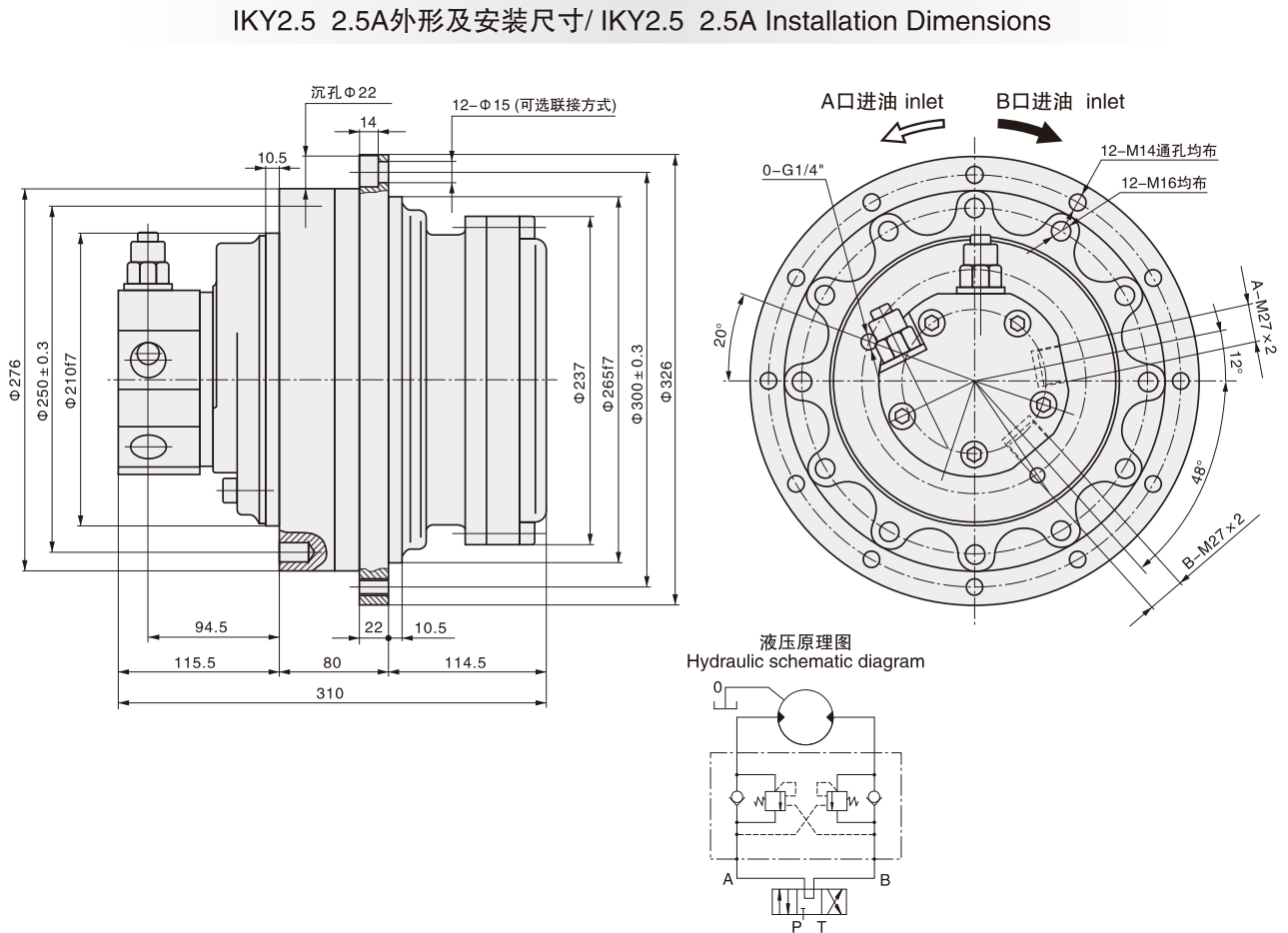


技术参数/ Technical Specification

型 号 Model	扭矩 Torque (N.m)		转速范围 Speed range (r/min)	传动比 Rotating ratio	压力 Pressure (Mpa)		总排量 Total displacement (ml/r)	液压马达 Hydraulic motor		重量 Weight (kg)	适用机重 Applicative machine weight (T)
	额定 Rated	最高 Peak			额定 Rated	最高 Peak		型 号 Model	排量 (ml/r) Displacement		
IKY2.5B-1200D1202	3100	3880	1-90	6	20	25	1146	ZGM05-200D1202	191	55	4-5
IKY2.5B-1000D1202	2670	3320	1-90	6	20	25	996	ZGM05-170D1202	166	55	4
IKY2.5B-900D1202	2430	3040	1-100	6	20	25	906	ZGM05-150D1202	151	55	3.5
IKY2.5B-800D1202	2080	2590	1-100	6	20	25	774	ZGM05-130D1202	129	55	3
IKY2.5B-700D1202	1850	2300	1-100	6	20	25	690	ZGM05-110D1202	115	55	2.5
IKY2.5B-520D1202	1380	1730	1-110	6	20	25	516	ZGM05-90D1202	86	55	2
IKY2.5B-450D1202	1190	1490	1-110	6	20	25	444	ZGM05-75D1202	74	55	1-2
IKY2.5B-570D1202	1550	1940	1-200	3	20	25	573	ZGM05-200D1202	191	60	4-5
IKY2.5B-500D1202	1335	1660	1-200	3	20	25	498	ZGM05-170D1202	166	60	4
IKY2.5B-450D1202	1215	1520	1-210	3	20	25	453	ZGM05-150D1202	151	60	3.5
IKY2.5B-390D1202	1040	1295	1-210	3	20	25	387	ZGM05-130D1202	129	60	3
IKY2.5B-350D1202	925	1150	1-210	3	20	25	345	ZGM05-110D1202	115	60	2.5
IKY2.5B-260D1202	690	865	1-230	3	20	25	258	ZGM05-90D1202	86	60	2
IKY2.5B-220D1202	595	745	1-230	3	20	25	222	ZGM05-75D1202	74	60	1-2

注：1、输出扭矩是指在系统压力下，系统压力损失1MPa，考虑减速器效率以及液压马达效率时的实际输出扭矩；
2、最大输出扭矩和最高输出转速工况不允许同时出现；
3、马达泄漏口 0 需直接回油箱；
4、换向阀中位机能必须是“Y”型或“H”型；
Note: 1.Output torque is the actual output torque under the condition of system pressure lost 1Mpa and considering the gearbox efficiency and hydraulic motor efficiency.
2.Max output torque and Max speed is not at the same time.
3.The leakage outlet 0 must connect to the oil tank directly.
4.Diverter valve's medium function must be “Y” or “H” type.

IKY2.5 2.5A系列/ IKY2.5 2.5A Serie

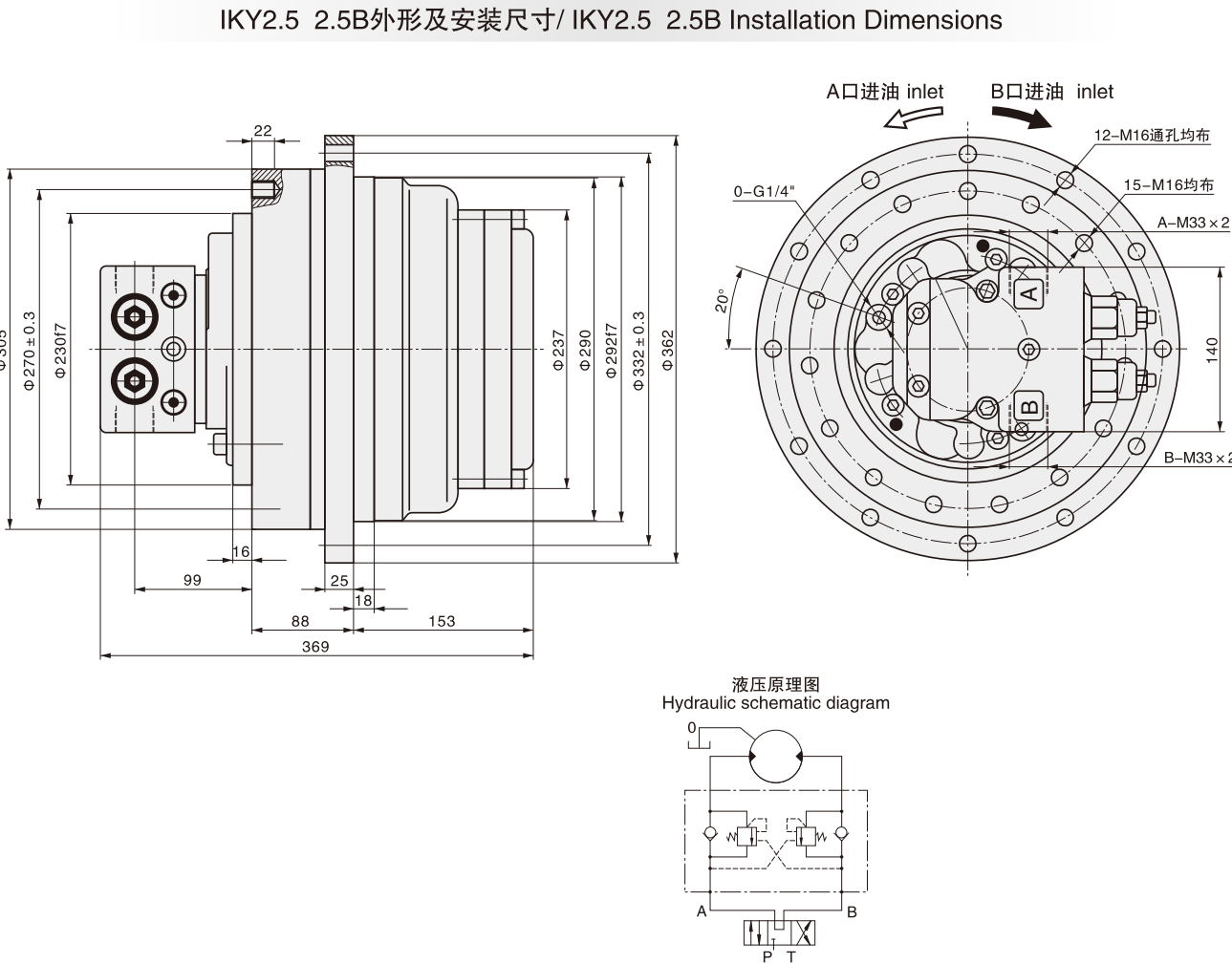


技术参数/ Technical Specification

型 号 Model	扭矩 Torque (N.m)		转速范围 Speed range (r/min)	传动比 Rotating ratio	压力 Pressure (Mpa)		总排量 Total displacement (ml/r)	液压马达 Hydraulic motor		重量 Weight (kg)	适用机重 (T) Applicative machine weight	
	额定 Rated	最高 Peak			额定 Rated	最高 Peak		型 号 Model	排量 (ml/r) Displacement		挖掘机 Excavator	钻机 Driller
IKY2.5 2.5A-3600D1202	6000	7500	0.4-32	19	14	17	3629	ZGM05-200D1202	191	80	4-6	6-8
IKY2.5 2.5A-3200D1202	6000	7500	0.4-38	19	16	19.5	3154	ZGM05-170D1202	166	80	4-6	6-8
IKY2.5 2.5A-2900D1202	6000	7500	0.4-42	19	17	21	2869	ZGM05-150D1202	151	80	4-6	6-8
IKY2.5 2.5A-2500D1202	6000	7500	0.4-46	19	19	24	2451	ZGM05-130D1202	129	80	4-6	6-8
IKY2.5 2.5A-2200D1202	6000	7500	0.4-50	19	22	28	2185	ZGM05-110D1202	115	80	4-6	6-8
IKY2.5 2.5A-1600D1202	4670	5840	0.4-58	19	22	28	1634	ZGM05-90D1202	86	80	4-6	6-8
IKY2.5 2.5A-1400D1202	4020	5030	0.4-63	19	22	28	1406	ZGM05-75D1202	74	80	4-6	6-8
IKY2.5 2.5A-5200D1202	6000	7500	0.3-23	27	10	13	5157	ZGM05-200D1202	191	80	4-6	6-8
IKY2.5 2.5A-4500D1202	6000	7500	0.3-27	27	12	15.5	4482	ZGM05-170D1202	166	80	4-6	6-8
IKY2.5 2.5A-4100D1202	6000	7500	0.3-30	27	13	17	4077	ZGM05-150D1202	151	80	4-6	6-8
IKY2.5 2.5A-3500D1202	6000	7500	0.3-32	27	16	20.5	3483	ZGM05-130D1202	129	80	4-6	6-8

注：1、输出扭矩是指在系统压力下，系统压力损失1MPa，考虑减速器效率以及液压马达效率时的实际输出扭矩；
2、最大输出扭矩和最高输出转速工况不允许同时出现；
3、马达泄漏口 0 需直接回油箱；
4、换向阀中位机能必须是“Y”型或“H”型；
Note: 1.Output torque is the actual output torque under the condition of system pressure lost 1Mpa and considering the gearbox efficiency and hydraulic motor efficiency.
2.Max output torque and Max speed is not at the same time.
3.The leakage outlet 0 must connect to the oil tank directly.
4.Diverter valve's medium function must be “Y” or “H” type.

IKY2.5 2.5B系列/ IKY2.5 2.5B Serie

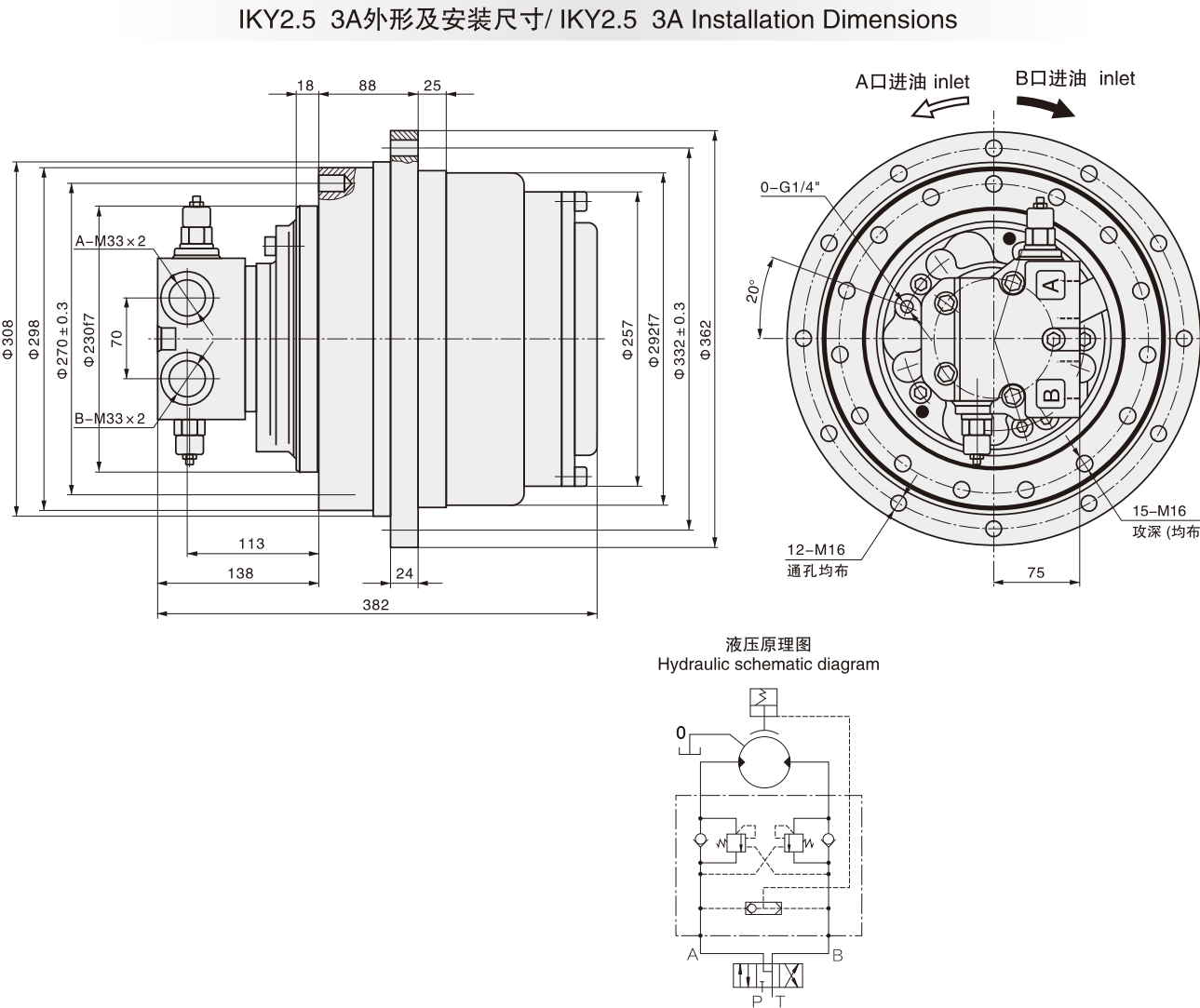


技术参数/ Technical Specification

型 号 Model	扭矩 Torque (N.m)		转速范围 Speed range (r/min)	传动比 Rotating ratio	压力 Pressure (Mpa)		总排量 Total displacement (ml/r)	液压马达 Hydraulic motor		重量 Weight (kg)	适用机重 (T) Applicative machine weight
	额定 Rated	最高 Peak			额定 Rated	最高 Peak		型 号 Model	排量 (ml/r) Displacement		
IKY2.5 2.5B-4600D2402	9600	12000	0.25-32	24	17	21	4584	ZGM05-200D2402	191	100	8-10
IKY2.5 2.5B-4000D2402	9600	12000	0.25-33	24	19	23	3984	ZGM05-170D2402	166	100	8-10
IKY2.5 2.5B-3600D2402	9600	12000	0.25-36	24	20	25	3624	ZGM05-150D2402	151	100	8-10
IKY2.5 2.5B-3100D2402	9500	12000	0.25-42	24	23	29	3096	ZGM05-130D2402	129	100	8-10
IKY2.5 2.5B-2800D2402	8470	10600	0.25-45	24	23	29	2760	ZGM05-110D2402	115	100	8-10
IKY2.5 2.5B-2100D2402	6330	7920	0.25-50	24	23	29	2064	ZGM05-90D2402	86	100	8-10

注：1、输出扭矩是指在系统压力下，系统压力损失1MPa，考虑减速器效率以及液压马达效率时的实际输出扭矩；
2、最大输出扭矩和最高输出转速工况不允许同时出现；
3、马达泄漏口 0 需直接回油箱；
4、换向阀中位机能必须是 “Y” 型或 “H” 型；
Note: 1.Output torque is the actual output torque under the condition of system pressure lost 1Mpa and considering the gearbox efficiency and hydraulic motor efficiency.
2.Max output torque and Max speed is not at the same time.
3.The leakage outlet 0 must connect to the oil tank directly.
4.Diverter valve's medium function must be “Y” or “H” type.

IKY2.5 3A系列/ IKY2.5 3A Serie

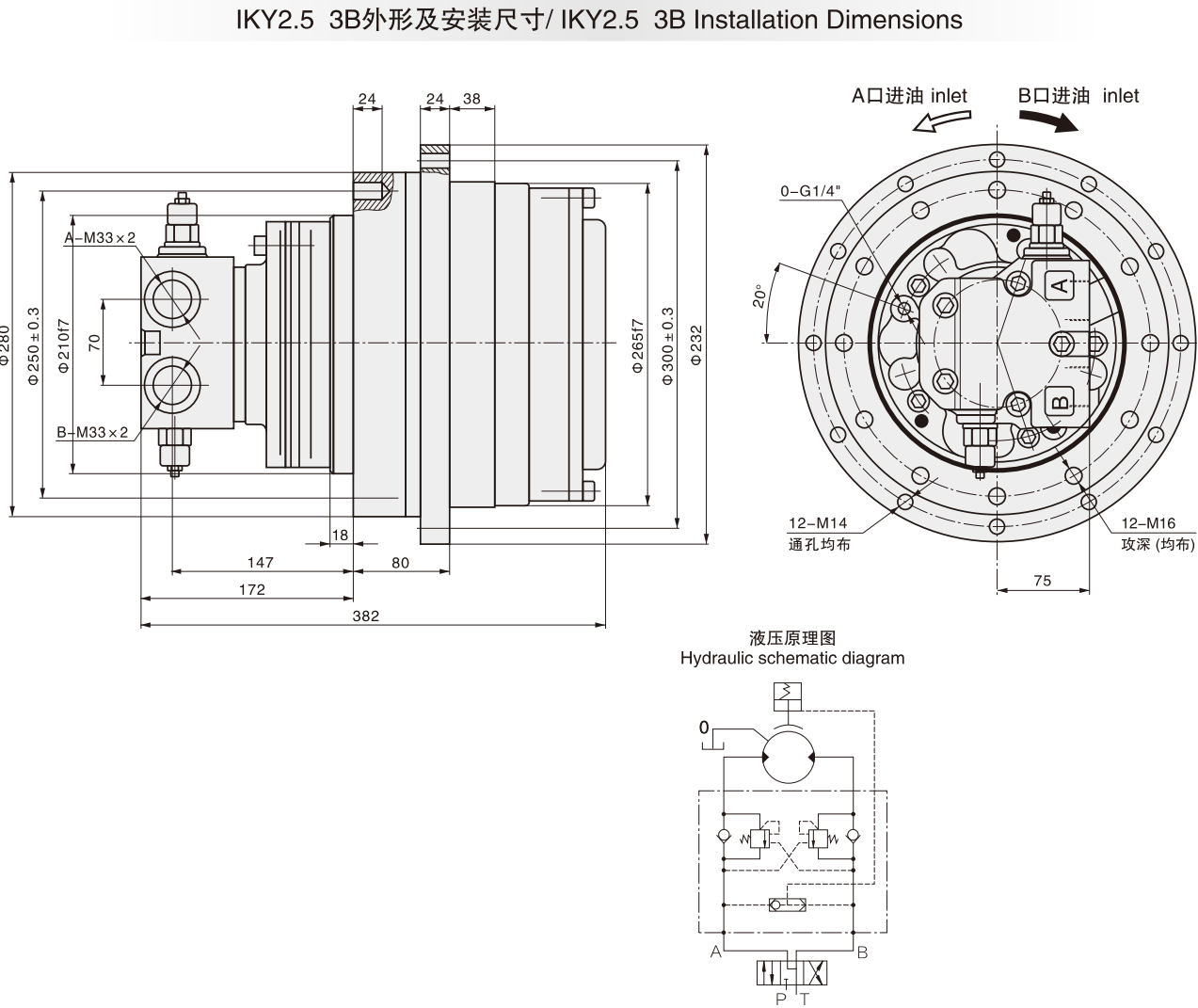


技术参数/ Technical Specification

型 号 Model	扭矩 Torque (N.m)		转速范围 Speed range (r/min)	传动比 Rotating ratio	压力 Pressure (Mpa)		总排量 Total displacement (ml/r)	液压马达 Hydraulic motor		重量 Weight (kg)	适用机重 (T) Applicative machine weight
	额定 Rated	最高 Peak			额定 Rated	最高 Peak		型 号 Model	排量 (ml/r) Displacement		
IKY2.5 3A-3600D240201Z	10000	12500	0.3-36	19	21	26	3629	ZGM05-200D2401	191	110	8-10
IKY2.5 3A-3200D240201Z	8700	10900	0.3-40	19	21	26	3154	ZGM05-170D2401	166	110	8-10
IKY2.5 3A-2900D240201Z	8500	10600	0.3-45	19	23	29	2869	ZGM05-150D2401	151	110	6-8
IKY2.5 3A-2500D240201Z	7360	9080	0.3-50	19	23	29	2451	ZGM05-130D2401	129	110	6-8
IKY2.5 3A-2200D240201Z	6470	8100	0.3-55	19	23	29	2185	ZGM05-110D2401	115	110	6-8

注：1、输出扭矩是指在系统压力下，系统压力损失1MPa，考虑减速器效率以及液压马达效率时的实际输出扭矩；
2、最大输出扭矩和最高输出转速工况不允许同时出现；
3、马达泄漏口 0 需直接回油箱；
4、换向阀中位机能必须是 “Y” 型或 “H” 型；
Note: 1.Output torque is the actual output torque under the condition of system pressure lost 1Mpa and considering the gearbox efficiency and hydraulic motor efficiency.
2.Max output torque and Max speed is not at the same time.
3.The leakage outlet 0 must connect to the oil tank directly.
4.Diverter valve's medium function must be “Y” or “H” type.

IKY2.5 3B系列/ IKY2.5 3B Serie

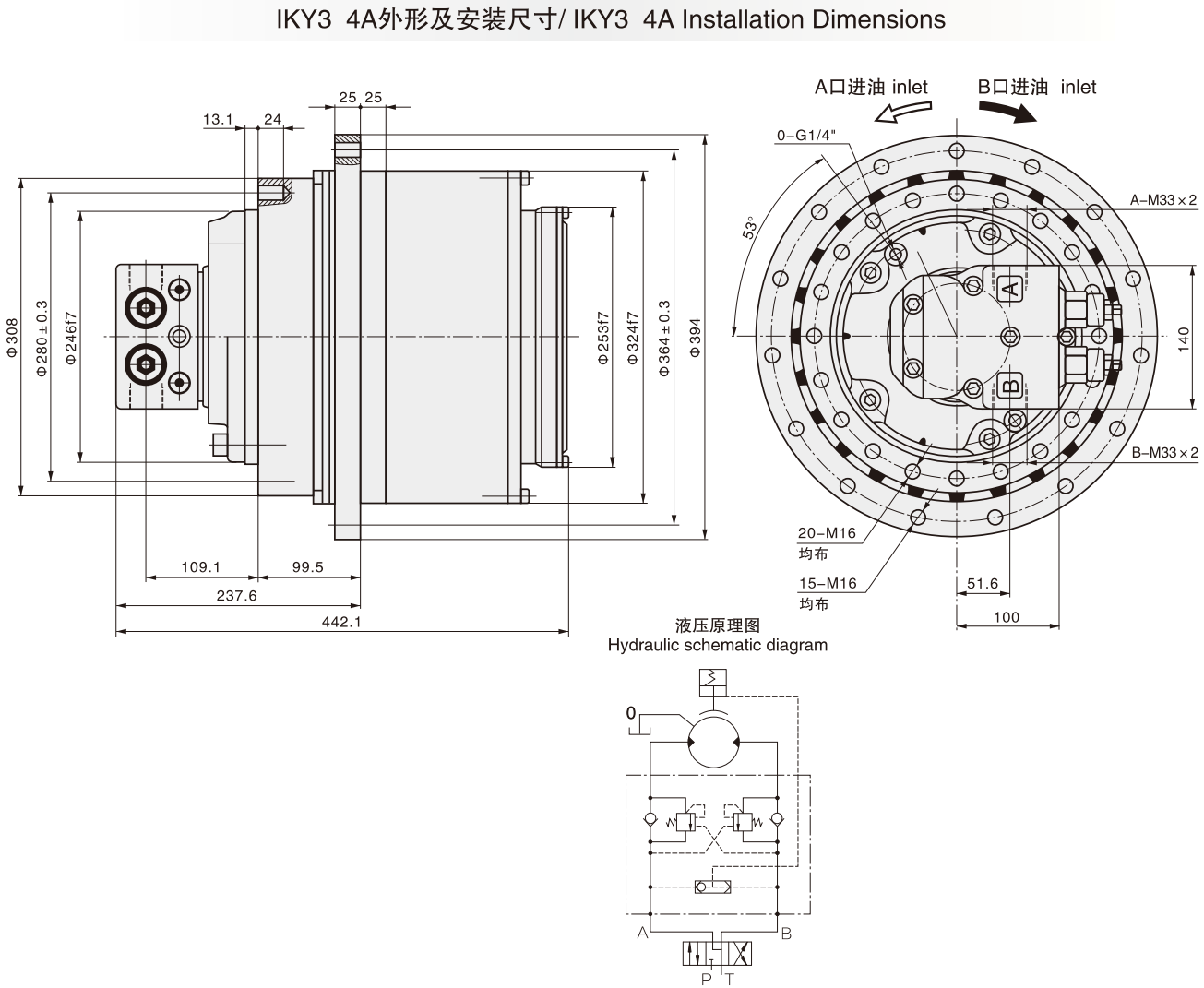


技术参数/ Technical Specification

型 号 Model	扭矩 Torque (N.m)		转速范围 Speed range (r/min)	传动比 Rotating ratio	压力 Pressure (Mpa)		总排量 Total displacement (ml/r)	液压马达 Hydraulic motor		重量 Weight (kg)	适用机重 (T) Applicative machine weight
	额定 Rated	最高 Peak			额定 Rated	最高 Peak		型 号 Model	排量 (ml/r) Displacement		
IKY2.5 3B-2900D240201Z	8500	10600	0.3-42	19	23	29	2869	ZGM05-200D2401	151	100	6-8
IKY2.5 3B-2500D240201Z	7260	9080	0.3-48	19	23	29	2451	ZGM05-170D2401	129	100	6-8
IKY2.5 3B-2200D240201Z	6470	8100	0.3-55	19	23	29	2185	ZGM05-150D2401	115	100	6-8
IKY2.5 3B-1600D240201Z	4840	6050	0.3-58	19	23	29	1634	ZGM05-130D2401	86	100	6-8
IKY2.5 3B-1400D240201Z	4160	5200	0.3-63	19	23	29	1406	ZGM05-110D2401	74	100	6-8

注：1、输出扭矩是指在系统压力下，系统压力损失1MPa，考虑减速器效率以及液压马达效率时的实际输出扭矩；
2、最大输出扭矩和最高输出转速工况不允许同时出现；
3、马达泄漏口 0 需直接回油箱；
4、换向阀中位机能必须是 “Y” 型或 “H” 型；
Note: 1.Output torque is the actual output torque under the condition of system pressure lost 1Mpa and considering the gearbox efficiency and hydraulic motor efficiency.
2.Max output torque and Max speed is not at the same time.
3.The leakage outlet 0 must connect to the oil tank directly.
4.Diverter valve's medium function must be “Y” or “H” type.

IKY3 4A系列/ IKY3 4A Serie



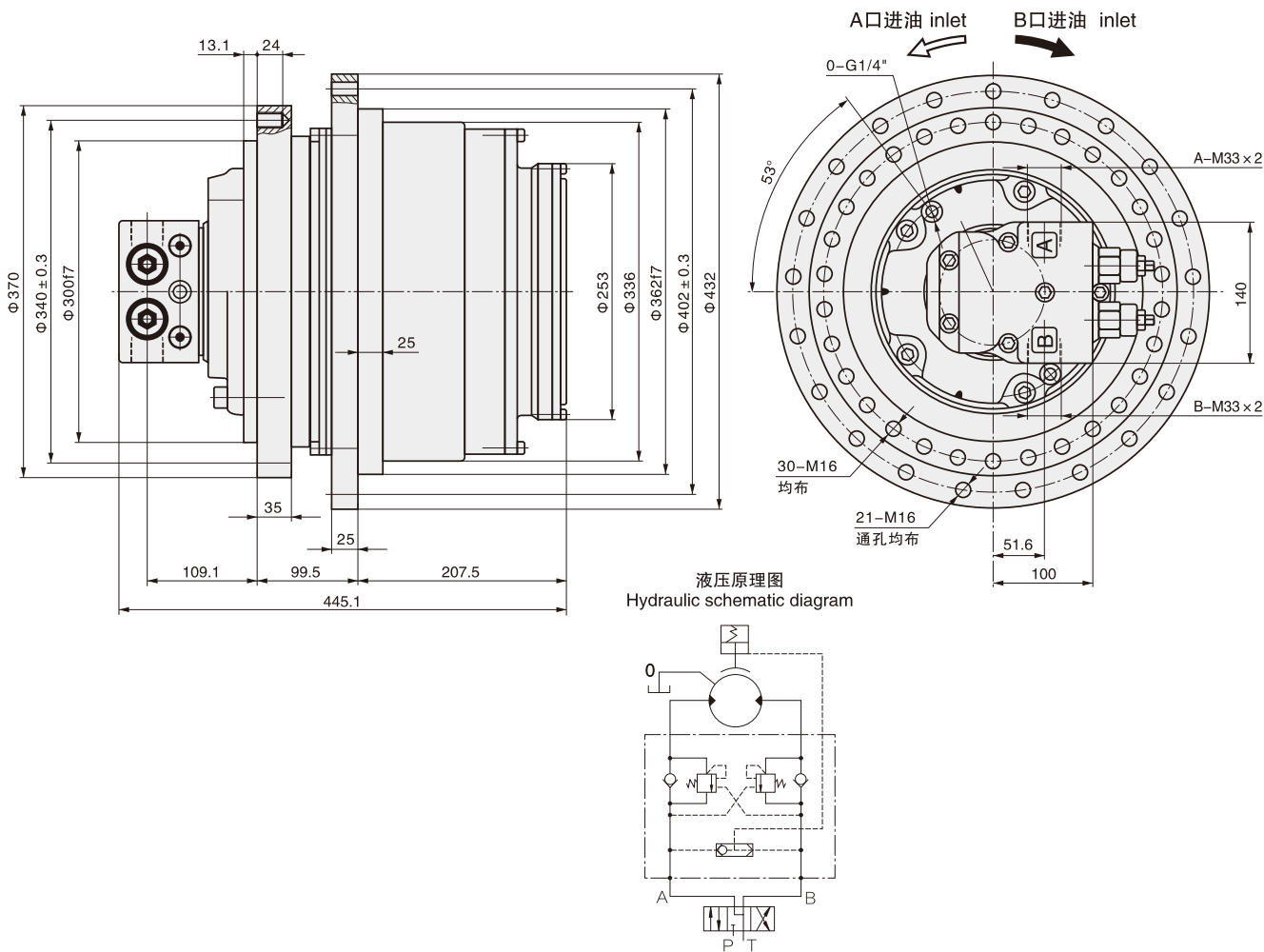
技术参数/ Technical Specification

型 号 Model	最大输出扭矩 Max. output Torque (N.m)	转速范围 Speed range (r/min)	传动比 Rotating ratio	系统最高压力 Max. Pressure (Mpa)	总排量 Total displacement (ml/r)	液压马达 Hydraulic motor		重量 Weight (kg)	适用机重 (T) Applicative machine weight
						型 号 Model	排量 (ml/r) Displacement		
IKY3 4A-7500D240201Z	23000	0.2-29	37.5	23.5	7537.5	ZGM1-200D240201	201	200	14-18
IKY3 4A-6500D240201Z	19700	0.2-30	37.5	23.5	6450	ZGM1-175D240201	172	200	12-14
IKY3 4A-5800D240201Z	17700	0.2-32	37.5	23.5	5775	ZGM1-150D240201	154	200	10-12
IKY3 4A-3700D240201Z	11400	0.2-32	37.5	23.5	3712.5	ZGM1-100D240201	99	200	8-10
IKY3 4A-5300D240201Z	16300	0.2-40	26.5	23.5	5326.5	ZGM1-200D240201	201	210	12-14
IKY3 4A-4400D240201Z	13600	0.2-42	26.5	23.5	4458	ZGM1-175D240201	172	210	10-12
IKY3 4A-4100D240201Z	12500	0.2-45	26.5	23.5	4081	ZGM1-150D240201	154	210	8-10

注：1、输出扭矩是指在系统压力下，系统压力损失1MPa，考虑减速器效率以及液压马达效率时的实际输出扭矩；
2、最大输出扭矩和最高输出转速工况不允许同时出现；
3、马达泄漏口 0 需直接回油箱；
4、换向阀中位机能必须是 “Y” 型或 “H” 型；
Note: 1.Output torque is the actual output torque under the condition of system pressure lost 1Mpa and considering the gearbox efficiency and hydraulic motor efficiency.
2.Max output torque and Max speed is not at the same time.
3.The leakage outlet 0 must connect to the oil tank directly.
4.Diverter valve's medium function must be “Y” or “H” type.

IKY3 4B系列/ IKY3 4B Serie

IKY3 4B外形及安装尺寸/ IKY3 4B Installation Dimensions



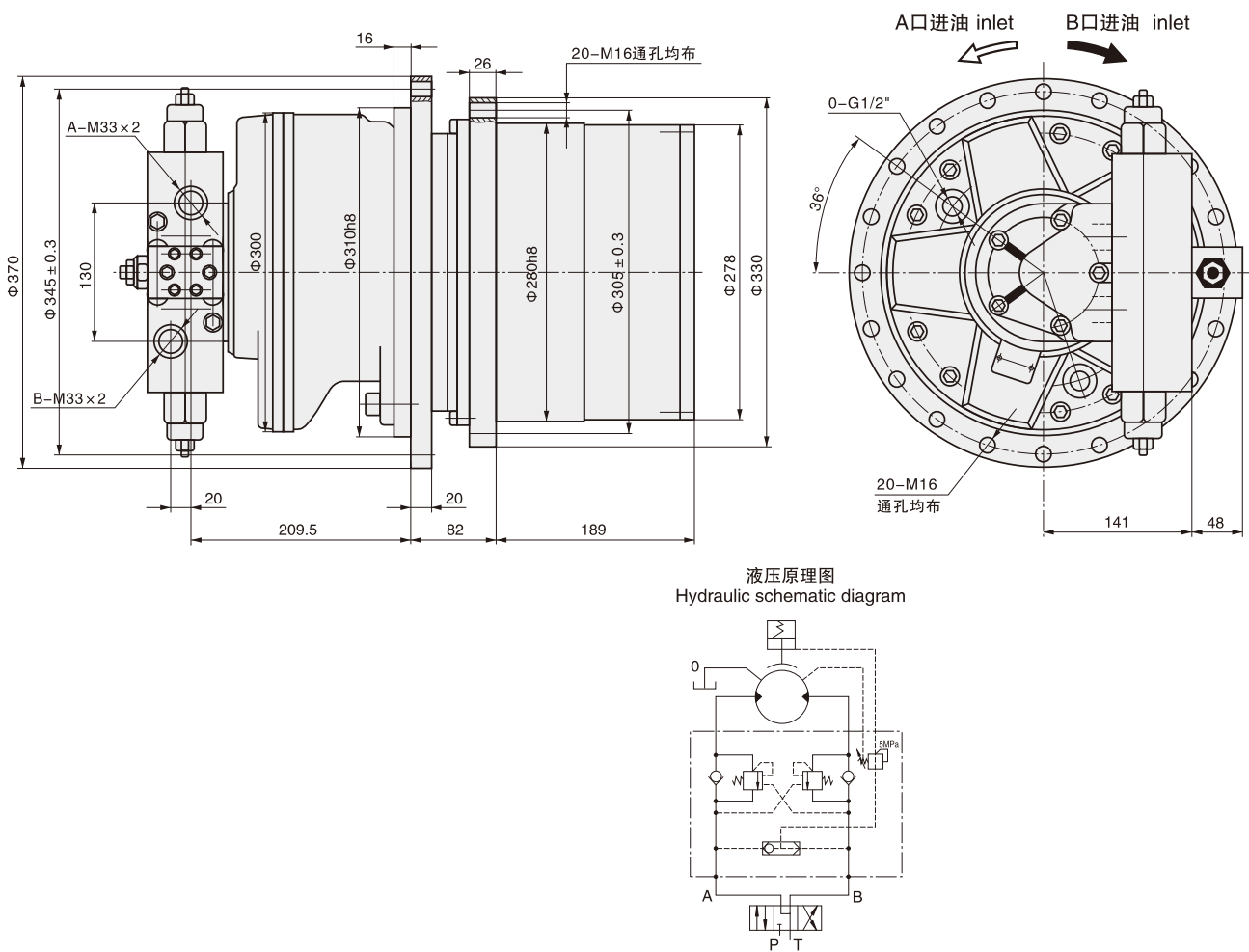
技术参数/ Technical Specification

型 号 Model	最大输出扭矩 Max. output Torque (N.m)	转速范围 Speed range (r/min)	传动比 Rotating ratio	系统最高压力 Max. Pressure (Mpa)	总排量 Total displacement (ml/r)	液压马达 Hydraulic motor		重量 Weight (kg)	适用机重 (T) Applicative machine weight
						型 号 Model	排量 (ml/r) Displacement		
IKY3 4B-7500D240201Z	23000	0.2-29	37.5	23.5	7537.5	ZGM1-200D240201	201	240	14-18
IKY3 4B-6500D240201Z	19700	0.2-30	37.5	23.5	6450	ZGM1-175D240201	172	240	12-14
IKY3 4B-5800D240201Z	17700	0.2-32	37.5	23.5	5775	ZGM1-150D240201	154	240	10-12
IKY3 4B-3700D240201Z	11400	0.2-32	37.5	23.5	3712.5	ZGM1-100D240201	99	240	8-10
IKY3 4B-5300D240201Z	16300	0.2-40	26.5	23.5	5326.5	ZGM1-200D240201	201	250	12-14
IKY3 4B-4400D240201Z	13600	0.2-42	26.5	23.5	4458	ZGM1-175D240201	172	250	10-12
IKY3 4B-4100D240201Z	12500	0.2-45	26.5	23.5	4081	ZGM1-150D240201	154	250	8-10

注：1、输出扭矩是指在系统压力下，系统压力损失1MPa，考虑减速器效率以及液压马达效率时的实际输出扭矩；
2、最大输出扭矩和最高输出转速工况不允许同时出现；
3、马达泄漏口 0 需直接回油箱；
4、换向阀中位机能必须是 “Y” 型或 “H” 型；
Note: 1.Output torque is the actual output torque under the condition of system pressure lost 1Mpa and considering the gearbox efficiency and hydraulic motor efficiency.
2.Max output torque and Max speed is not at the same time.
3.The leakage outlet 0 must connect to the oil tank directly.
4.Diverter valve's medium function must be “Y” or “H” type.

IKY4 4A系列/ IKY4 4A Serie

IKY4 4A外形及安装尺寸/ IKY4 4A Installation Dimensions

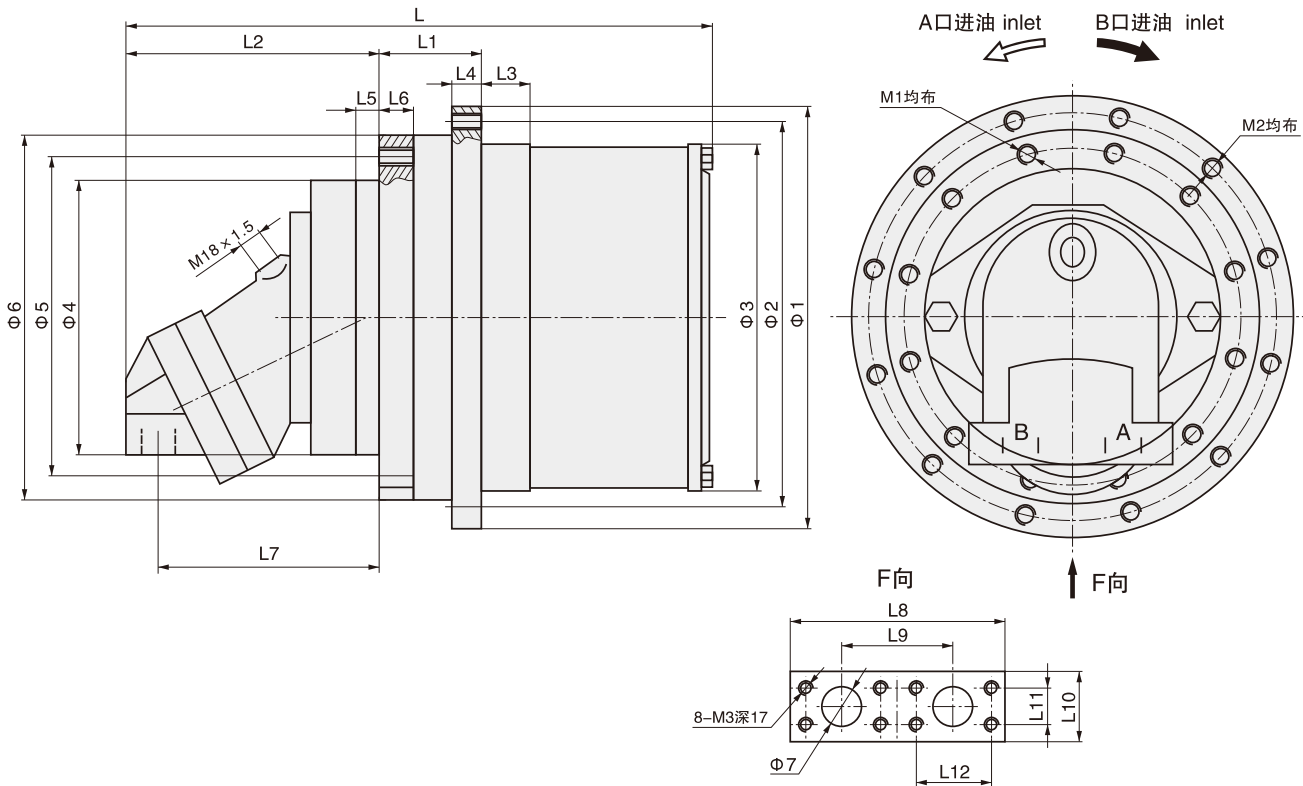


技术参数/ Technical Specification

型 号 Model	最大输出扭矩 Max. output Torque (N.m)	转速范围 Speed range (r/min)	传动比 Rotating ratio	系统最高压力 Max. Pressure (Mpa)	总排量 Total displacement (ml/r)	液压马达 Hydraulic motor		重量 Weight (kg)	适用机重 (T) Applicative machine weight
						型 号 Model	排量 (ml/r) Displacement		
IKY4 4A-9600D47F2402011Z	24000	0.1-30	19.4	20	9564.2	ZGM2-500D47F2402011	493	200	16-18
IKY4 4A-8300D47F2402011Z	21000	0.1-30	19.4	20	8245	ZGM2-420D47F2402011	425	200	14-16
IKY4 4A-6800D47F2402011Z	17000	0.1-30	19.4	20	6731.8	ZGM2-350D47F2402011	347	200	12-14

注：1、输出扭矩是指在系统压力下，系统压力损失1MPa，考虑减速器效率以及液压马达效率时的实际输出扭矩；
2、最大输出扭矩和最高输出转速工况不允许同时出现；
3、马达泄漏口 0 需直接回油箱；
4、换向阀中位机能必须是 “Y” 型或 “H” 型；
Note: 1.Output torque is the actual output torque under the condition of system pressure lost 1Mpa and considering the gearbox efficiency and hydraulic motor efficiency.
2.Max output torque and Max speed is not at the same time.
3.The leakage outlet 0 must connect to the oil tank directly.
4.Diverter valve's medium function must be “Y” or “H” type.

GFT外形及安装尺寸/ GFT Installation Dimensions



型 号 Model	L	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12
YDYC05*-**	452	80	196.5	35	25	25	20	172.5	148	75	49	23.8	50.8
YDYC08*-**	452	80	196.5	35	25	25	20	172.5	147	75	49	23.8	50.8
YDYC10*-**	541.5	88	207	35	25	25	20	180	166	84	66	27.8	57.2
YDYC18*-**	560.5	99.5	226	35	25	25	20	172	194	99	70	31.8	66.7
YDYC30*-**	560.5	99.5	226	35	25	25	20	172	194	99	70	31.8	66.7
YDYC50*-**	695	112	275	35	30	30	30	242	194	99	70	31.8	66.7
YDYC80*-**	748	170	275	35	40	40	35	242	194	99	70	31.8	66.7
YDYC130*-**	820	195	310	40	40	40	35	260	194	99	70	31.8	66.7

型 号 Model	Φ 1	Φ 2	Φ 3	Φ 4	Φ 5	Φ 6	Φ 7	M1	M2	M3
YDYC05*-**	326	300	265	220	250	28	26	m16	m16	m10
YDYC08*-**	326	300	265	220	250	280	26	m16	m16	m10
YDYC10*-**	362	332	292	230	270	298	28	m16	m16	m12
YDYC18*-**	394	364	324	246	280	308	32	m16	m16	m14
YDYC30*-**	410	418	398	300	340	372	32	m16	m16	m14
YDYC50*-**	548	500	460	420	460	500	32	m24	m18	m14
YDYC80*-**	670	626	576	450	538	576	32	m24	m26	m14
YDYC130*-**	735	680	600	450	600	650	32	m30	m30	m14