

Danliss®

东莞市丹力斯液压科技有限公司
DONGGUAN DANLISS HYDRAULIC TECHNOLOGY CO., LTD.



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Danliss®

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Danliss®

COMPANY INTRODUCTION 公司简介

东莞市丹力斯液压科技有限公司是一家集研发与销售为一体的现代化高科技企业，是广东权威性的专业液压系统研发和制造基地。公司拥有一流的加工设备、完善的检测手段、优质的跟踪服务，拥有数名高素质液压工程师。本着诚为本、信天下的发展方针和用户至上的经营宗旨，将消费者的需要和满意作为企业追求目标，利用现代化科学管理方式，快速、准确的为客户提供具有价格竞争力的高质量液压系统和液压配件（液压马达、油泵、电磁阀、冷却器等）及液压技术相关服务。如今丹力斯更是不断与丹佛斯、力士乐、油研、铁达等液压巨头交流合作学习，已为 1 千多家国内外企业提供高性价比产品和服务，与200多家企业达成长久合作关系。

丹力斯您的一站式液压采购中心，让大家都能接受的价格，让世界都认可的品质！

Dongguan Danliss Hydraulic Technology Co., Ltd. is a modern high-tech company integrating R & D and sales. Danliss is a authoritative professional hydraulic system R & D and manufacturing base in Guangdong Province, China. The company has first-class processing equipment, top-ranking testing means, consummate after-sale services and several high qualified hydraulic engineers. Company adhere to customers first, integrity and credibility gains the world as the business objectives, consider customer needs and satisfactions as the purse of the goal. With the modern scientific management methods, can be quick and accurate to provide customers high quality hydraulic systems and hydraulic components (hydraulic motors, oil pumps, solenoid valves, coolers, etc) with competitive price, as well as hydraulic technology related services. Danliss is constantly learning and communicating with the world hydraulic giants, such as Danfoss, Rexroth, Yuken, Delta and so on. Today, Danliss has provided high cost-effective products and services for more than 1,000 domestic and abroad companies, reached a long-term cooperative relationship with more than 200 companies around the world.

World accredited quality and worldwide acceptable price,
Danliss your one-stop hydraulic procurement center!



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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，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。

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 μm 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	型号 Model	排量 Displacement (cm ³ /rev.)	最大工作压力 Max. operating pressure (MPa)	转速范围 Speed range (rpm)	最大输出功率 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:

- 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 μm 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 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	型号 Model	排量 Displacement (cm ³ /rev.)	最大工作压力 Max. operating pressure (MPa)	转速范围 Speed range (rpm)	最大输出功率 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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OMM系列/ OMM Serie

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 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

型号 Type	OMM8	OMM12.5	OMM20	OMM32	OMM40	OMM50
排量 (cm ³ /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	358
	连续 cont.	1950	1550	1000	630	400
	断续 int.	2450	1940	1250	800	500
最大扭矩 Max. torque (N.m)	额定 rated	8	13	19	31	33
	连续 cont.	11	16	25	40	46
	断续 int.	15	23	35	57	88
	峰值 peak	21	33	51	64	100
最大输出功率 Max. output (kw)	额定 rated	1.3	1.7	1.7	1.7	1.2
	连续 cont.	1.8	2.4	2.4	2.4	1.8
	断续 int.	2.6	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
	连续 cont.	10	10	10	10	9
	断续 int.	14	14	14	14	14
	峰值 peak	20	20	20	16	16
最大流量 Max. flow (L/min)	额定 rated	14	18	18	18	20
	连续 cont.	16	20	20	20	20
	断续 int.	20	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;

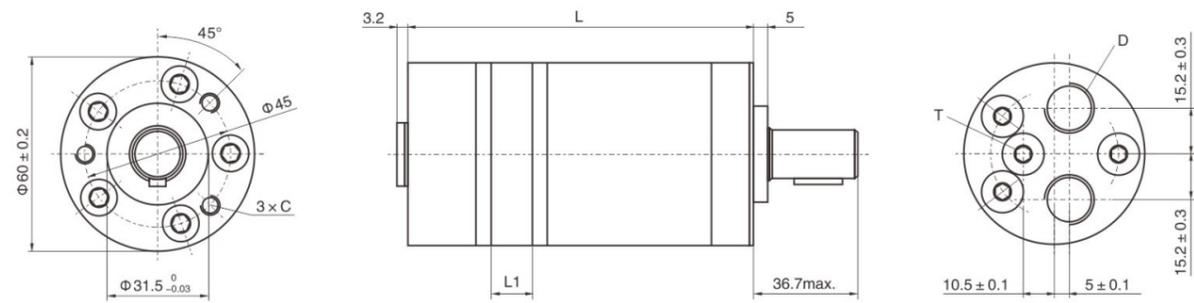
* Intermittent pressure: Max.value of operating motor in 6 seconds per minute;

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

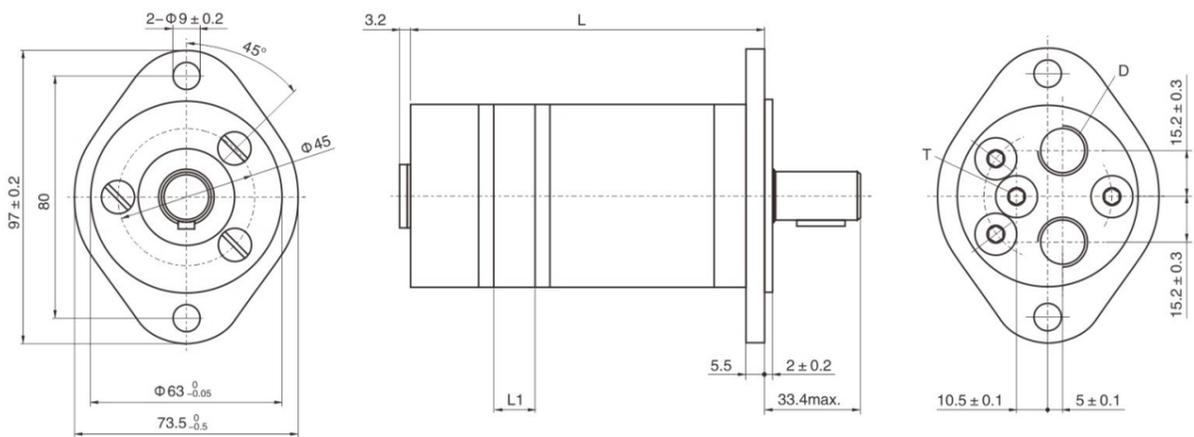
OMM系列/ OMM Serie

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

M、U 法兰 Flange



F 法兰 Flange



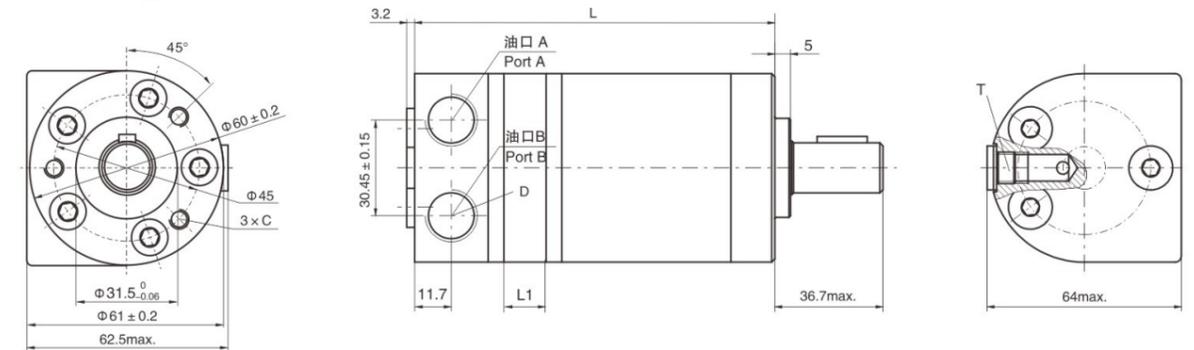
型号 Type	M、U法兰 Flange		F法兰 Flange	
	L	L1	L	L1
OMM8	104	3.5	107.5	3.5
OMM12.5	106	5.5	109.5	5.5
OMM20	109	8.5	112.5	8.5
OMM32	114	13.5	117.5	13.5
OMM40	117.5	17	121	17
OMM50	122	21.5	125.5	21.5

代号 Code	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)

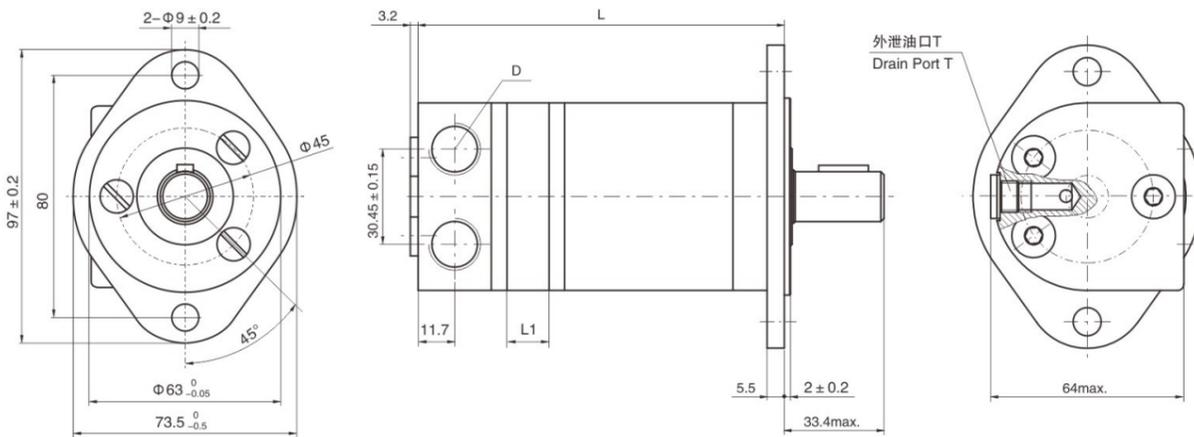
OMM系列/ OMM Serie

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

M、U 法兰 Flange



F 法兰 Flange



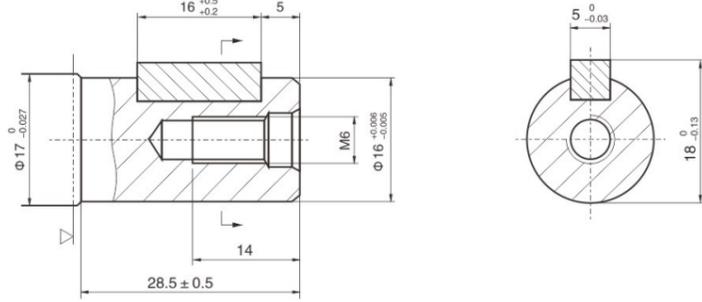
型号 Type	M、U法兰 Flange		F法兰 Flange	
	L	L1	L	L1
OMM8	105	3.5	108.5	3.5
OMM12.5	107	5.5	110.5	5.5
OMM20	110	8.5	113.5	8.5
OMM32	115	13.5	118.5	13.5
OMM40	118.5	17	122	17
OMM50	123	21.5	126.5	21.5

代号 Code	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)

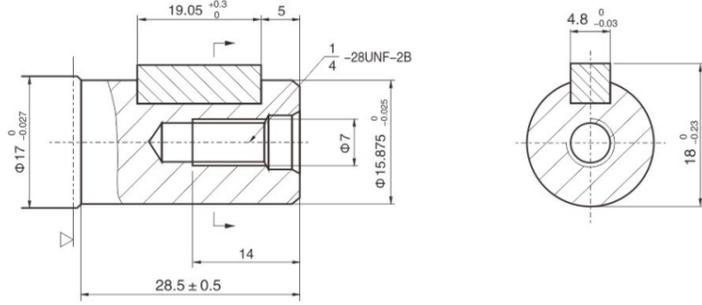
OMM系列/ OMM Serie

OMM 轴伸连接尺寸/ OMM Output Shaft Dimensions

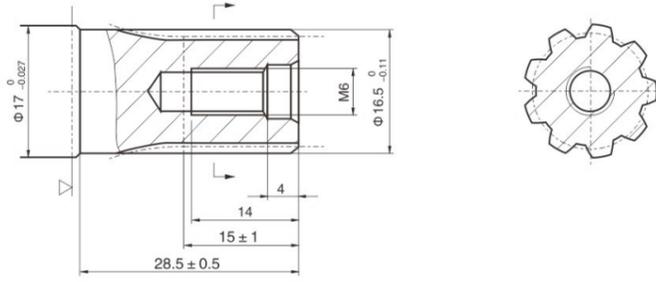
A轴: 圆柱轴 $\Phi 16$
平键 $5 \times 5 \times 16$
Shaft A: Cylindrical shaft $\Phi 16$
Parallel key $5 \times 5 \times 16$



B轴: 圆柱轴 $\Phi 15.875$
平键 $4.8 \times 4.8 \times 19.05$
Shaft B: Cylindrical shaft $\Phi 5.875$
Parallel key $4.8 \times 4.8 \times 19.05$



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



▽ 马达安装面
Motor Mounting Surface

OMM系列/ OMM 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
OMM	8 12.5 20 32 40 50	M 3-M6圆法兰, 止口 $\Phi 31.5 \times 5$ U 3-1/4-28UNF圆法兰, 止口 $\Phi 31.5 \times 5$ F 2- $\Phi 9$ 菱法兰, 止口 $\Phi 63 \times 2$	A $\Phi 16$ 轴, 平键 $5 \times 5 \times 16$ B $\Phi 15.875$ 轴, 平键 $4.8 \times 4.8 \times 19.05$ C $\Phi 16.5$ 轴, 花键 $B17 \times 14$, 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

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	Displacement	Flange	Output shaft	Ports and drain port	Rotation direction	Paint	Unusually function
OMM	8 12.5 20 32 40 50	M 3-M6 Circle-flange, pilot $\Phi 31.5 \times 5$ U 3-1/4-28UNF Circle flange, pilot $\Phi 31.5 \times 5$ F 2- $\Phi 9$ Rhomb-flange, pilot $\Phi 63 \times 2$	A Shaft $\Phi 16$, parallel key $5 \times 5 \times 16$ B Shaft $\Phi 15.875$, parallel key $4.8 \times 4.8 \times 19.05$ C Shaft $\Phi 16.5$, involute $B17 \times 14$, 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 No paint Omit Blue B Black S Silver grey	00 No paint Omit Blue B Black S Silver grey	Omit Standard 0 No case drain

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

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 36	OMP 50	OMP 80	OMP 100	OMP 125	OMP 160	OMP 200	OMP 250	OMP 315	OMP 400	OMP 500
排量 (cm ³ /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	110
	连续 cont.	1500	1150	770	615	490	383	310	250	192	120
	断续 int.	1650	1450	960	770	615	475	385	310	240	190
最大扭矩 Max. torque (N.m)	额定 rated	55	81	129	161	202	204	259	325	375	385
	连续 cont.	55	100	146	182	236	302	360	380	375	385
	断续 int.	76	128	186	227	290	370	440	460	555	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
	断续 int.	11.5	12.0	12.0	13.0	12.0	12.0	12.0	10.5	8.5	7.0
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
	连续 cont.	12.5	14	14	14	14	14	14	11	9	7
	断续 int.	16.5	17.5	17.5	17.5	17.5	17.5	17.5	14	14	10.5
峰值 peak	22.5	22.5	22.5	22.5	22.5	22.5	22.5	18	16	14	
最大流量 Max. flow (L/min)	额定 rated	40	45	55	55	55	55	55	55	55	55
	连续 cont.	50	60	60	60	60	60	60	60	60	60
	断续 int.	60	75	75	75	75	75	75	75	75	375
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 pressure: 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

技术参数/ Technical data

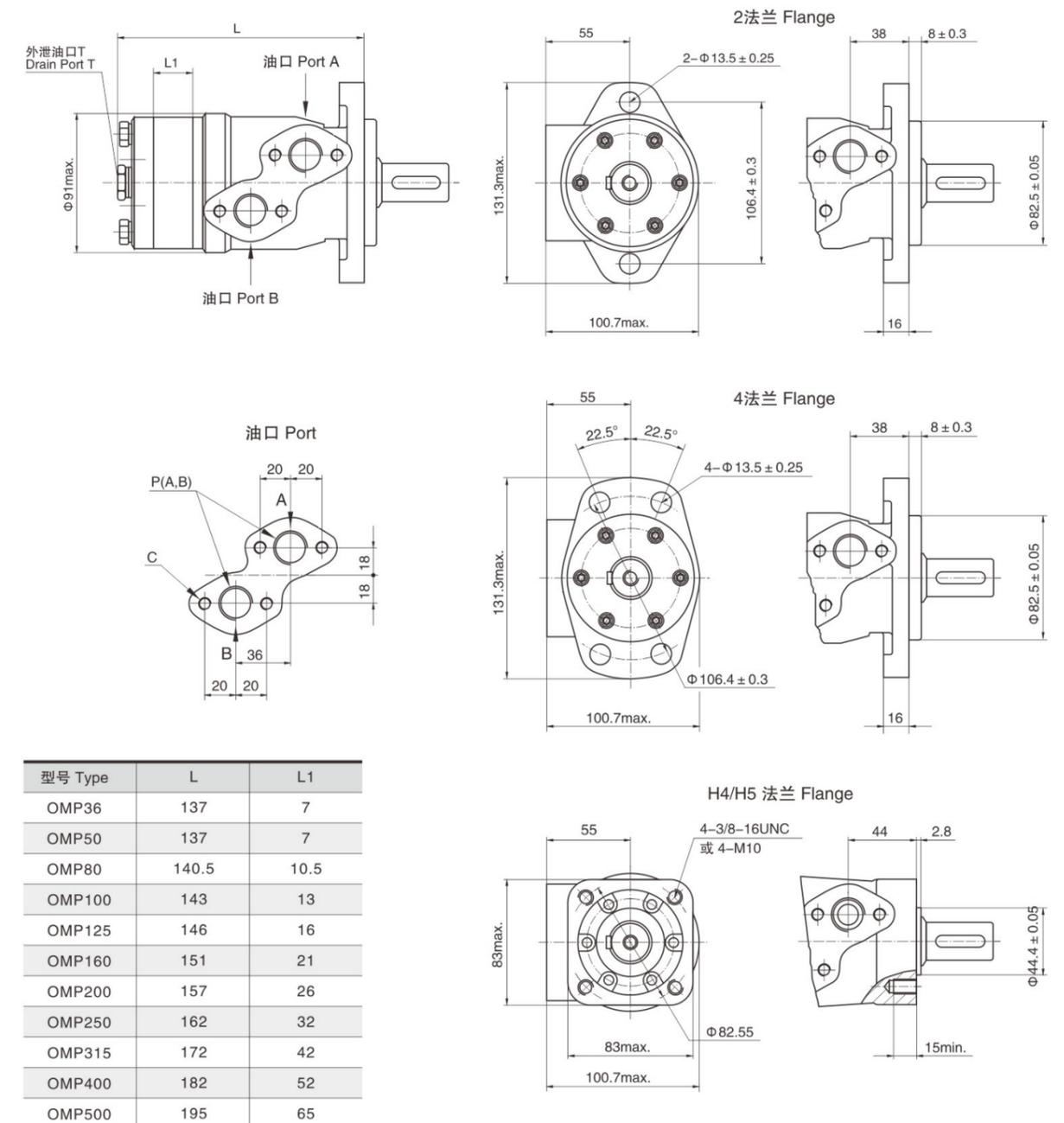
以下表格技术参数针对OMP系列马达轴径为Φ31.75、Φ32
 Technical parameters for OMP series motor shaft diameter Φ31.75 and Φ32

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 (cm ³ /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
	连续 cont.	1500	1150	770	615	490	383	310	250	192	155
	断续 int.	1650	1450	960	770	615	475	385	310	240	190
最大扭矩 Max. torque (N.m)	额定 rated	55	81	129	161	202	204	259	325	375	430
	连续 cont.	55	100	146	182	236	302	360	460	475	490
	断续 int.	76	128	186	227	290	370	440	570	555	580
最大输出功率 Max. output (kw)	额定 rated	8.0	10.0	10.0	11.0	10.0	10.0	10.0	8.5	7.0	6.0
	连续 cont.	11.5	12.0	12.0	13.0	12.0	12.0	12.0	10.5	8.5	7.0
	断续 int.	12.5	12.5	12.5	12.5	12.5	10.0	10.0	10.0	9.0	7.0
最高工作压力 Max. pressure drop (MPa)	连续 cont.	12.5	14	14	14	14	14	14	14	12	9.5
	断续 int.	16.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	14	1.5
	峰值 peak	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	18
最大流量 Max. flow (L/min)	额定 rated	40	45	55	55	55	55	55	55	55	55
	连续 cont.	50	60	60	60	60	60	60	60	60	60
	断续 int.	60	75	75	75	75	75	75	75	75	75
重量 Weight (kg)	5.6	6	5.7	5.9	6.0	6.2	6.4	7	6.9	7.4	8.0

- * 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 安装连接尺寸/ OMP Installation Dimensions

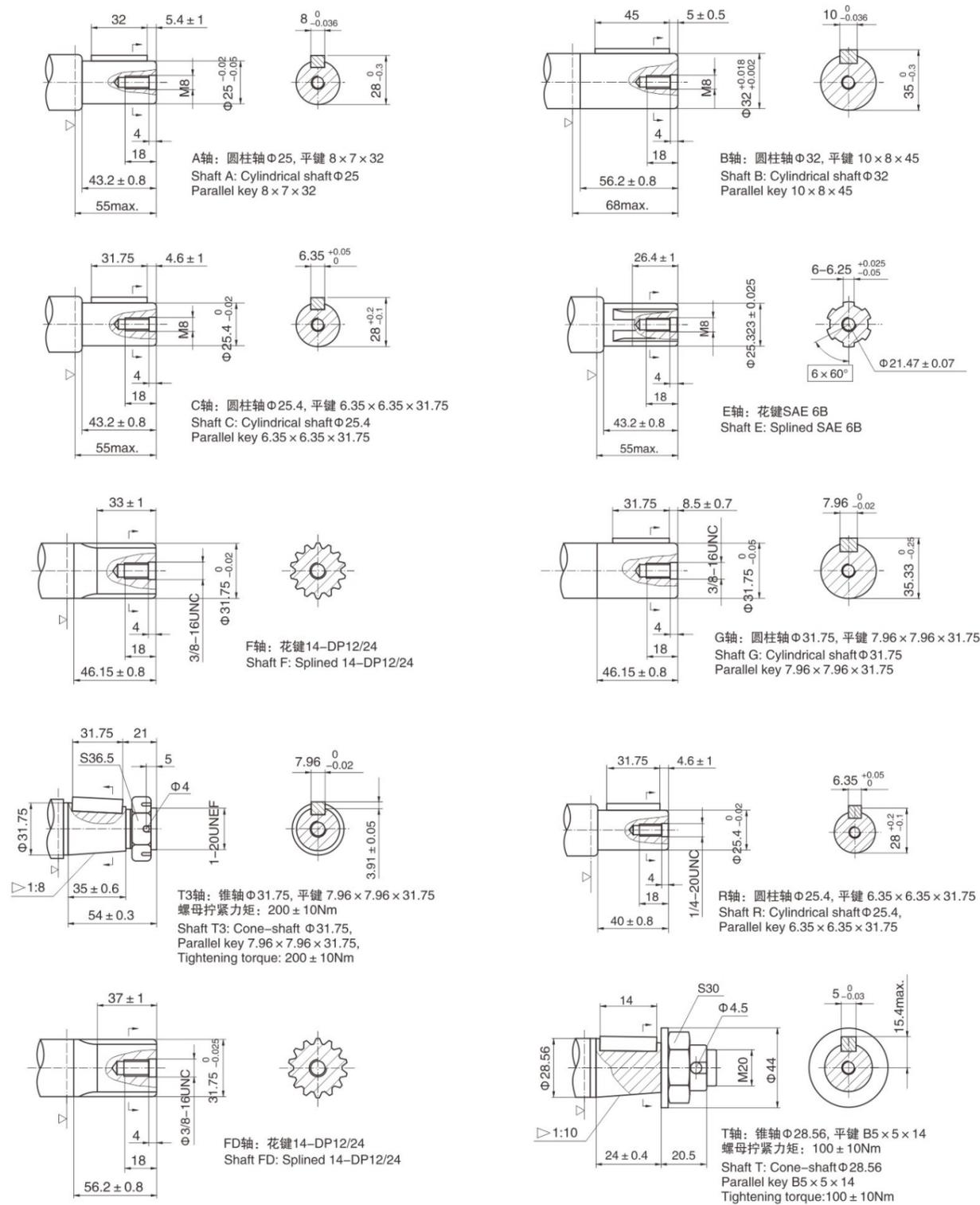


型号 Type	L	L1
OMP36	137	7
OMP50	137	7
OMP80	140.5	10.5
OMP100	143	13
OMP125	146	16
OMP160	151	21
OMP200	157	26
OMP250	162	32
OMP315	172	42
OMP400	182	52
OMP500	195	65

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)

OMP系列/ OMP Serie

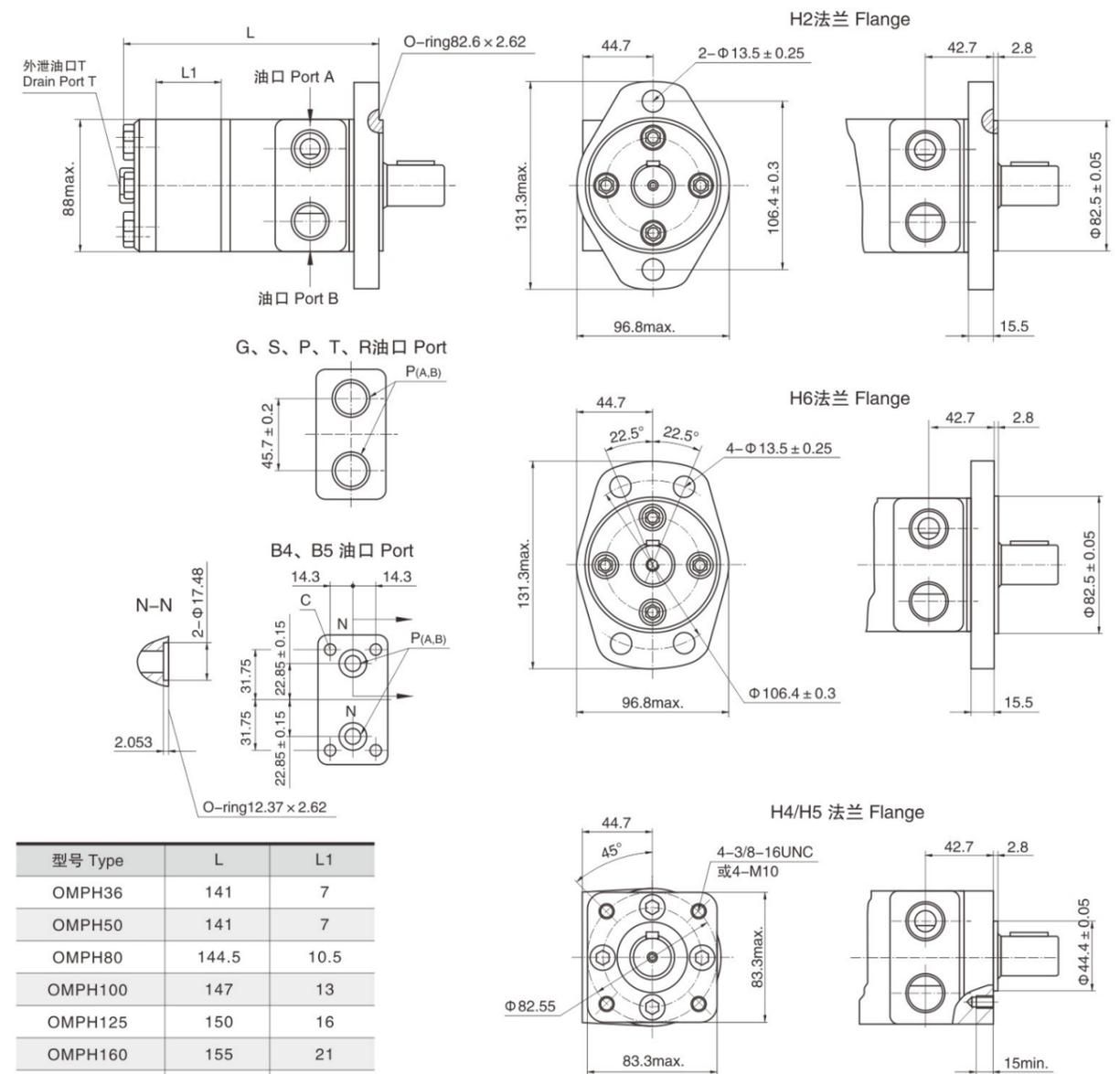
OMP 轴伸连接尺寸/ OMP Output Shaft Dimensions



▷ 马达安装面
Motor Mounting Surface

OMP系列/ OMP Serie

OMPH 安装连接尺寸/ OMPH Installation Dimensions

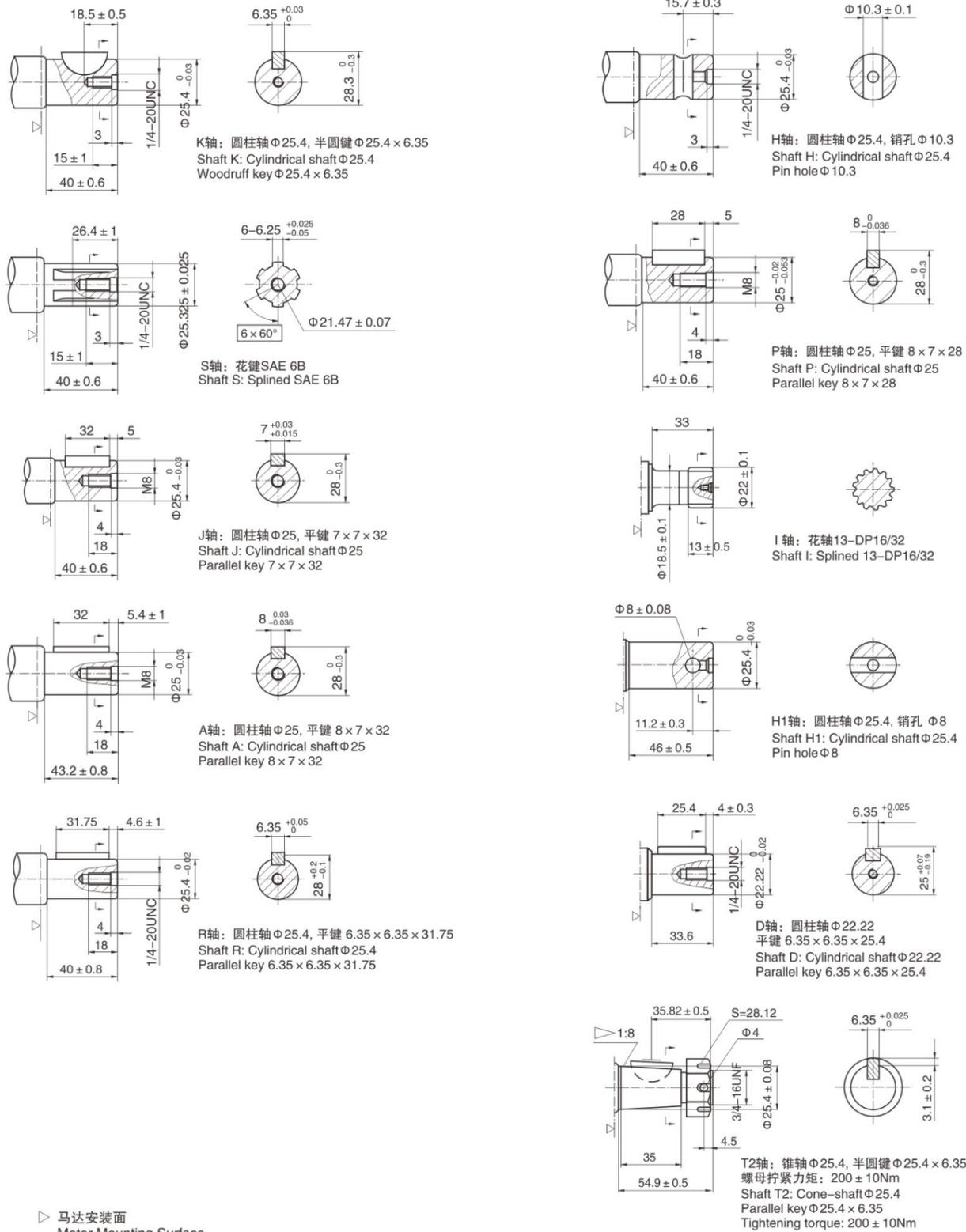


型号 Type	L	L1
OMPH36	141	7
OMPH50	141	7
OMPH80	144.5	10.5
OMPH100	147	13
OMPH125	150	16
OMPH160	155	21
OMPH200	160	26
OMPH250	166	32
OMPH315	176	42
OMPH400	186	52
OMPH500	199	65

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



OMP系列/ OMP 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	
OMP	36	2-Φ13.5 Rhomb-flange, pilotΦ82.5×8 4-Φ13.5 Rhomb-flange, pilotΦ82.5×8 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 B Φ32轴, 平键10×8×45 C Φ25.4轴, 平键6.35×6.35×31.75 D Φ25.4轴, 花键SAE 6B E Φ25.4短轴, 平键6.35×6.35×31.75 F Φ31.75轴, 花键14-DP12/24 FD Φ31.75轴, 花键14-DP12/24 G Φ31.75轴, 平键7.96×7.96×31.75 T Φ28.56锥轴, 平键B5×5×14 T3 Φ31.75锥轴, 平键7.96×7.96×25.4	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	00 无 B S	无 N 0 F LS	常规 大径向力 无外泄 自由转动 低转速
	50							
	80							
	100							
	125							
	160							
	200							
	250							
	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Φ28.56轴径)。

1	2	3	4	5	6	7	8	
Type	Displacement	Flange	Output shaft	Ports and drain port	Rotation direction	Paint	Unusually function	
OMP	36	2-Φ13.5 Rhomb-flange, pilotΦ82.5×8 4-Φ13.5 Rhomb-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 ShaftΦ25.4, parallel key 6.35×6.35×31.75 C ShaftΦ25.4, splined tooth SEA 6B E Short shaftΦ25.4, parallel key 6.35×6.35×31.75 R ShaftΦ32, parallel key 10×8×45 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 T3 Cone shaftΦ31.75, parallel key 7.96×7.96×25.4	D G1/2 Manifold Mount4×M8, G1/4 M M22×1.5 Manifold Mount4×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	00 Omit B S	No paint Blue Black Silver grey	Omit N1 0 F LS	Standard Big radial force No case drain Free Running Low Speed
	50							
	80							
	100							
	125							
	160							
	200							
	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.

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菱形法兰, 止口φ82.5×2.8 H6 4-φ13.5菱形法兰, 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 R 反向	00 不油漆 无 蓝漆 B 黑漆 S 银灰漆	无 N 大径向力 0 无外泄 F 自由转动 LS 低转速
	50		A φ25轴, 平键8×7×32				
	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				

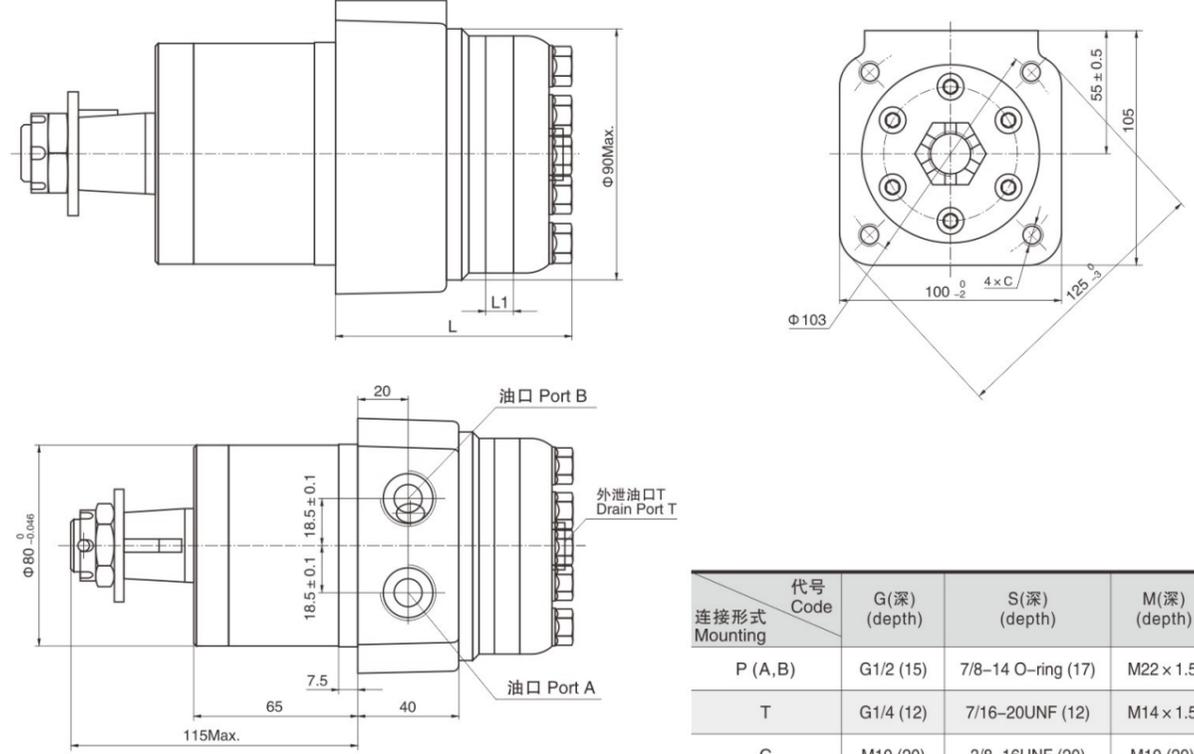
注: 用户在使用订货信息时, 将马达结构、排量、安装法兰、轴伸、进出油口等信息, 选择左面作色部位的代号按上面格式写给我们即可。若所选规格不在上述表中或特殊要求, 请与我们联系。

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φ28.56轴径)。

1	2	3	4	5	6	7	8
Type	Displacement	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-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 manifold 4x5/16-18UNC, 7/16-20UNF B5 φ10 O-ring manifold 4×M8, 7/16-20UNF	Omit R 相反	No paint Blue Black Silver grey	Omit N1 0 F LS
	50		A Shaftφ25, splined tooth SEA 6B				
	80		R Shaftφ25.4, parallel key 8×7×32				
	100		H Shaftφ25.4, parallel key 6.35×6.35×31.75				
	125		H1 Shaftφ25.4, pin holeφ10.3				
	160		D Shaftφ22.22, parallel key 6.35×6.35×25.4				
	200		I Shaftφ22.22, splined tooth 13-DP16/32				
	250		T2 Cone shaftφ25.4, woodruff key φ25.4×6.35				
	315		P Shaftφ25, parallel key 8×7×28				
	400		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.

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 x 1.5
T		G1/4 (12)	7/16-20UNF (12)	M14 x 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

OMP系列/ OMP 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
OMPW	36	无 车轮法兰, 止口Φ80×7.5	A	G G1/2, G1/4 S 7/8-14 O-ring, 7/16-20UNF M M22×1.5, M14×1.5	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
	50		C				
	80		E				
	100		T				
	125						
160							
200							
250							
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
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 S 7/8-14 O-ring, 7/16-20UNF M M22×1.5, M14×1.5	00 No paint Omit Blue B Black S Silver grey	Standard Opposite	Standard Big radial force No case drain
	50		C				
	80		E				
	100		T				
125							
160							
200							
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.



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OZ 目录 / Contents

OZ系列/ OZ Serie

产品特点/ Product features

OZ系列摆线液压马达是一种小体积、经济型轴配液流压马达。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，长度短，更适于紧凑工况。

OZ 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

型号 Type	OZ 36	OZ 50	OZ 80	OZ 100	OZ 125	OZ 160	OZ 200	OZ 250	OZ 315	OZ 400
排量 (cm ³ /rev.) Geometric displacement	37	51.7	77.7	96.2	117.9	155.5	189.9	231	311.7	386.2
最高转速 Max. speed (rpm)	连续 cont. 1081	774	515	416	339	257	211	173	128	104
最大扭矩 Max. torque (N.m)	连续 cont. 51	73	106	140	162	216	264	281	312	392
	断续 int. 68	96	143	178	218	288	351	351	433	582
最大输出功率 Max. output (kw)	连续 cont. 5.2	5.2	5.5	5.2	5.2	5.2	5.2	4.6	3.4	3.4
	断续 int. 8.6	8.6	8.6	8.6	8.6	8.6	8.6	7	5.8	5.8
最高工作压力 Max. pressure drop (MPa)	连续 cont. 10.5	10.5	10.5	10.5	10.5	10.5	10.5	9	7	7
	断续 int. 14	14	14	14	14	14	14	11.5	10.5	10.5
最大流量 Max. flow (L/min)	连续 cont. 40	40	40	40	40	40	40	40	40	40

* 连续值是指该排量马达可以连续工作的最大值。

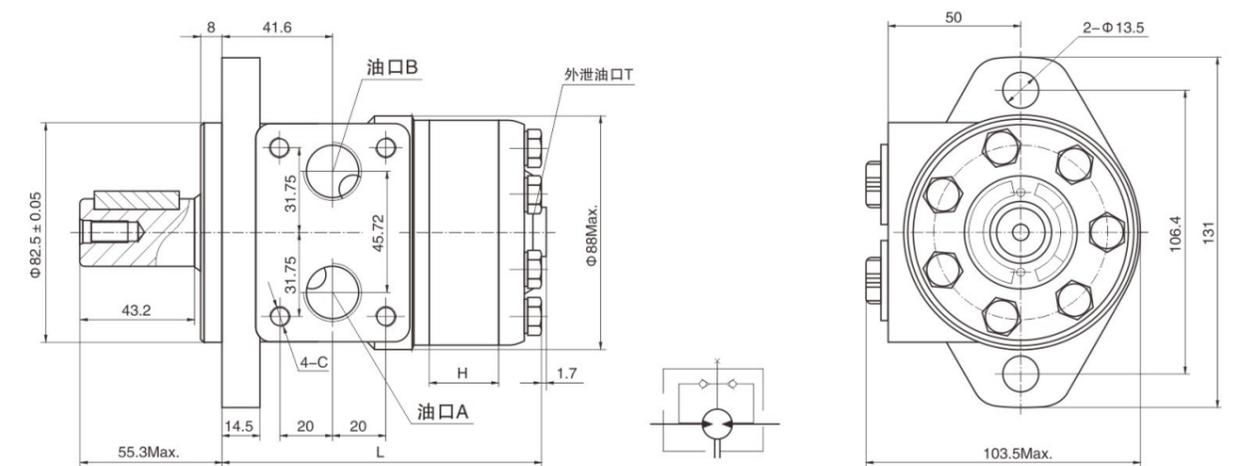
* 断续值是指该排量马达在1分钟内工作6秒的最大值。

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

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

OZ系列/ OZ Serie

OZ 安装连接尺寸/ OZ Installation Dimensions

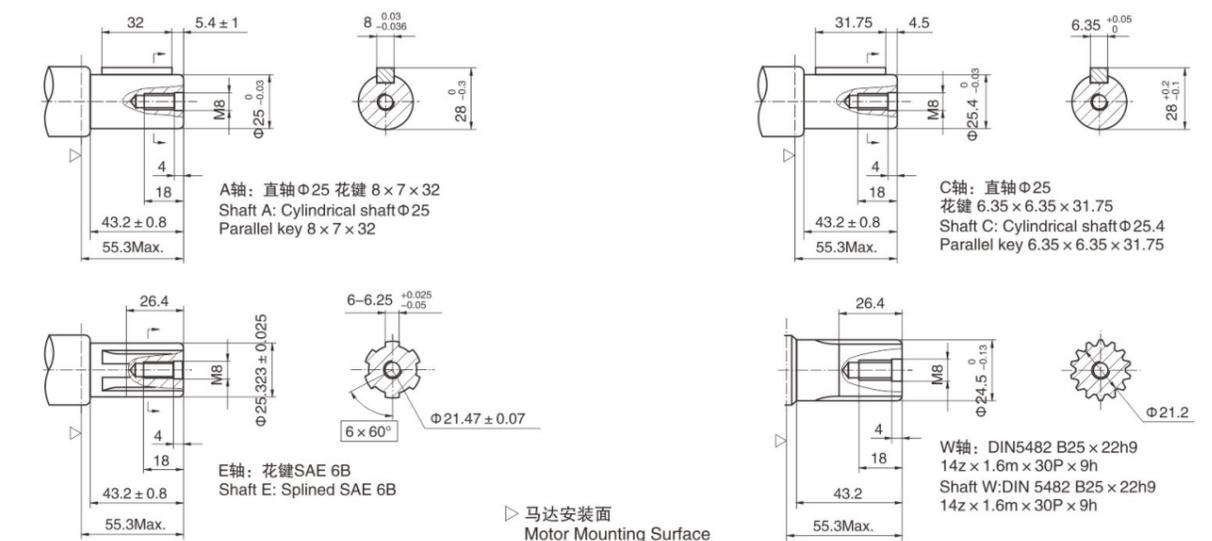


输出轴的旋转方向：标准
当面对马达轴伸方向，A油口为高压油时，输出轴顺时针方向旋转；反之，则逆时针方向旋转。
Direction of shaft rotation: Standard When facing shaft end of motor, shaft to rotate:
Clockwise when port "A" is pressurized. Counter-clockwise when port "B" is pressurized.

型号 Type	OZ 36	OZ 50	OZ 80	OZ 100	OZ 125	OZ 160	OZ 200	OZ 250	OZ 315	OZ 400
H	7	7	10.5	13	16	21	26	32	42	52
L	101	101	104.5	107	110	115	120	126	136	146

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 x 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 x 1.5 (12)	7/16-20UNF (12)	7/16-20UNF (12)	PT(RC)1/4 (9.7)

OZ 轴伸连接尺寸/ OZ Output Shaft Dimensions



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 50 80 100 125 160 200 250 315 400	2 2- ϕ 13.5菱法兰, 止口 ϕ 82.5 \times 8	A ϕ 25轴, 平键8 \times 7 \times 32 C ϕ 25.4轴, 平键6.35 \times 6.35 \times 31.75 E ϕ 25.4轴, 花键SAE 6B W ϕ 24.5轴, 花键B25 \times 22 T ϕ 28.56锥轴, 平键B5 \times 5 \times 14	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 5/16-18UNC, 7/16-20UNF P 1/2-14NPTF 板式4 \times 5/16-18UNC, 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 无 F 自由转动 0 无外泄

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
Type	Displacement	Flange	Output shaft	Ports and drain port	Rotation direction	Paint	Unusually function
OZ	36 50 80 100 125 160 200 250 315 400	2 2- ϕ 13.5 Rhomb-flange, pilot ϕ 82.5 \times 8	A Shaft ϕ 25, parallel key 8 \times 7 \times 32 C Shaft ϕ 25.4, parallel key 6.35 \times 6.35 \times 31.75 E Shaft ϕ 25.4, splined key SEA 6B W Shaft ϕ 24.5, splined B25X22 T Cone shaft ϕ 28.56, parallel key B5 \times 5 \times 14	D G1/2 Manifold 4 \times M8, G1/4 M M22 \times 1.5 Manifold4 \times M8, M14 \times 1.5 S 7/8-14 O-ring manifold, 4 \times 5/16-18UNC,7/16-20UNF P 1/2-14NPTF manifold, 4 \times 5/16-18UNC,7/16-20UNF R PT(Rc)1/2 manifold 4 \times M8, PT(Rc)1/4	00 No paint Omit Blue B Black S Silver grey	Standard Opposite	Omit Standard F Free Running 0 No case drain

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	25
2、技术参数/ Technical data	25-26
3、安装联接尺寸/ Installation Dimensions	
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OMR系列/ OMR Serie

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 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 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 (cm ³ /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	135	
	连续 cont.	1250	960	750	600	475	378	310	240	155	
	断续 int.	1520	1150	940	750	600	475	385	300	190	
最大扭矩 Max. torque (N.m)	额定 rated	69	100	160	200	250	320	330	352	420	
	连续 cont.	72	100	195	240	300	360	390	390	365	
	断续 int.	83	126	220	280	340	430	440	490	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
最高工作压力 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	
	连续 cont.	45	50	60	60	60	60	60	60	60	
	断续 int.	55	60	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

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 (cm ³ /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	135	
	连续 cont.	1250	960	750	600	475	378	310	240	155	
	断续 int.	1520	1150	940	750	600	475	385	300	190	
最大扭矩 Max. torque (N.m)	额定 rated	69	100	160	200	250	320	330	352	420	
	连续 cont.	72	100	195	240	300	360	450	540	580	
	断续 int.	83	126	220	280	340	430	500	610	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
最高工作压力 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	
	连续 cont.	45	50	60	60	60	60	60	60	60	
	断续 int.	55	60	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;

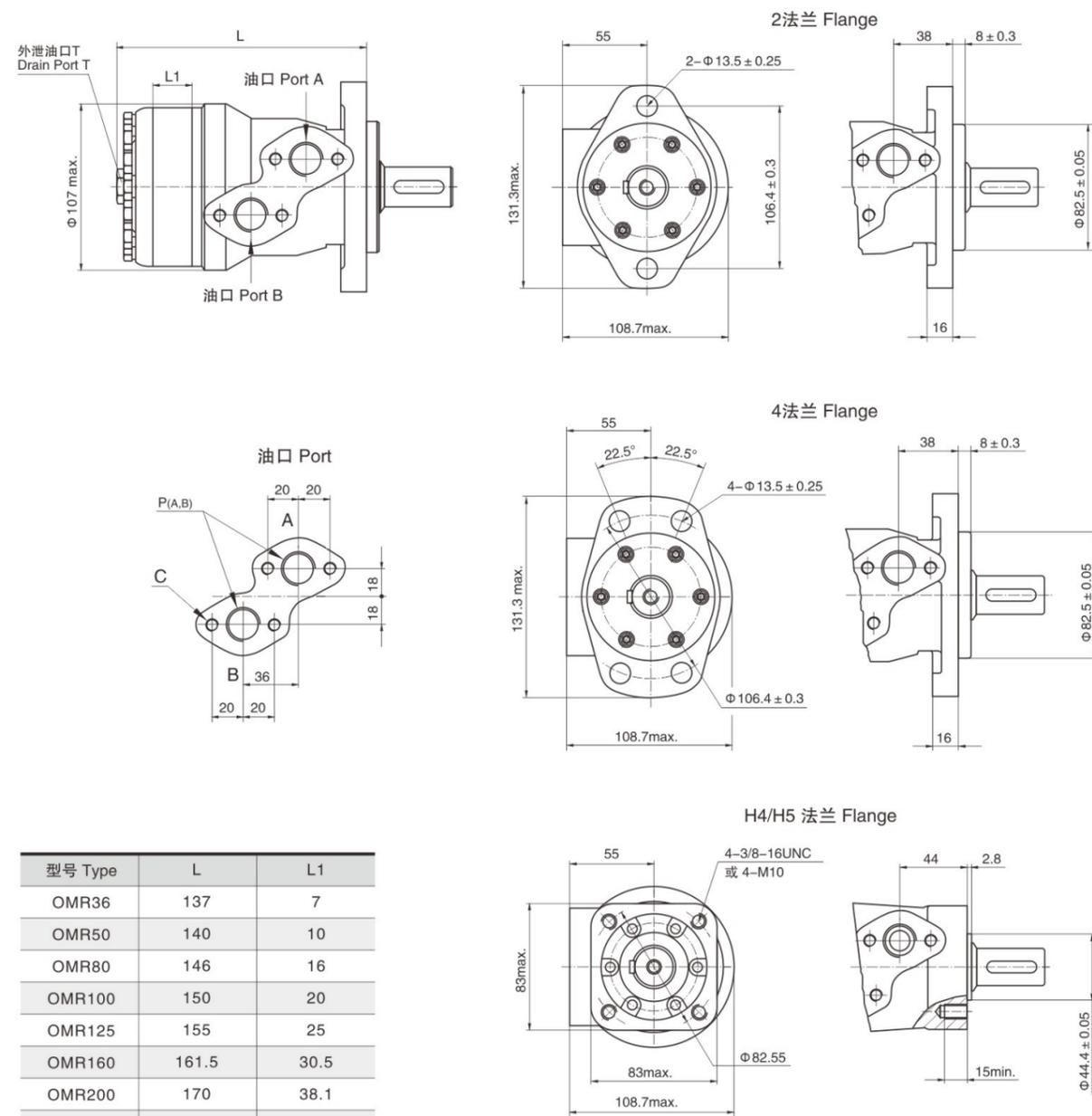
* Continuous pressure: Max.value of operating motor continuously;

* 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

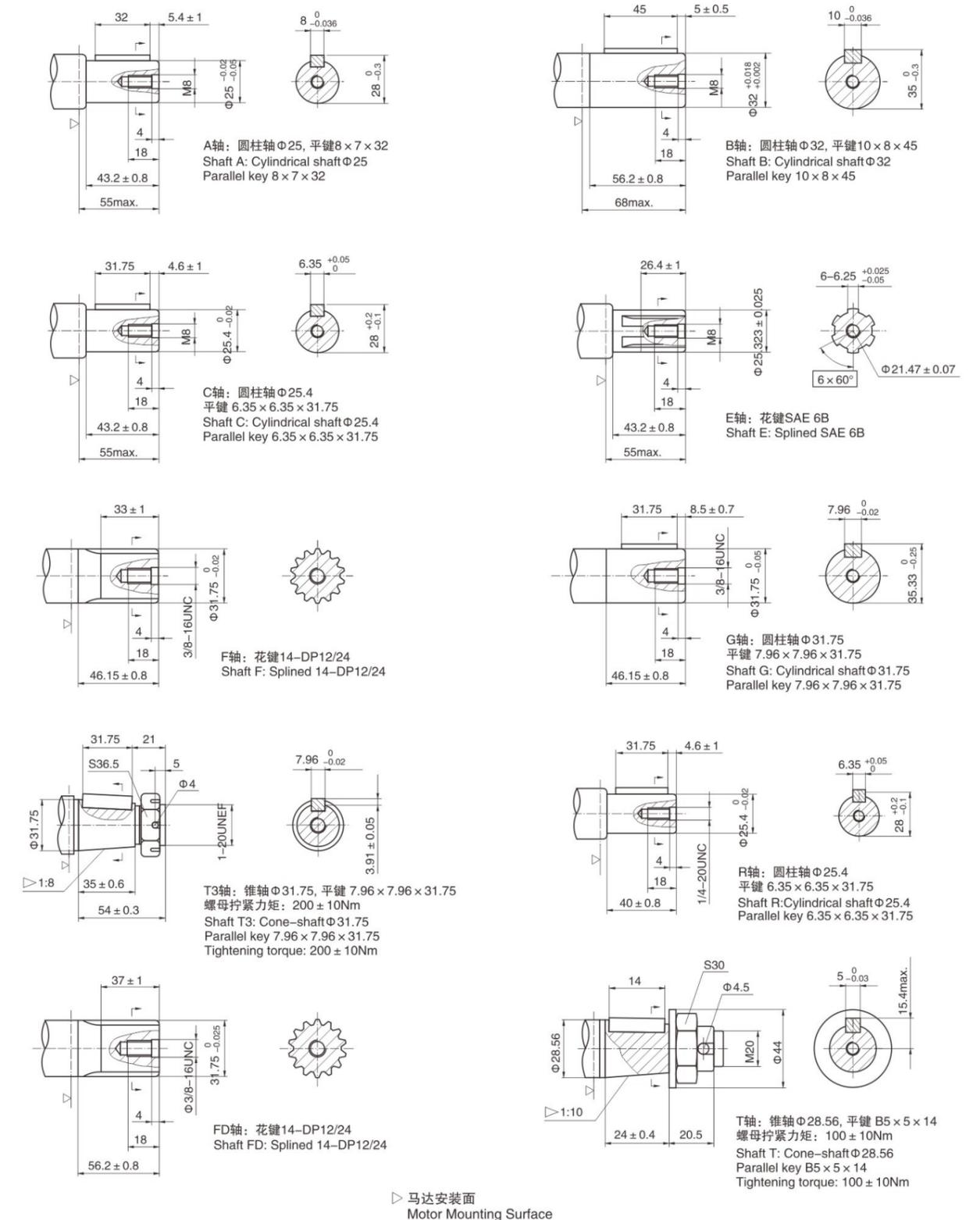
OMR 安装连接尺寸/ OMR Installation Dimensions



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)

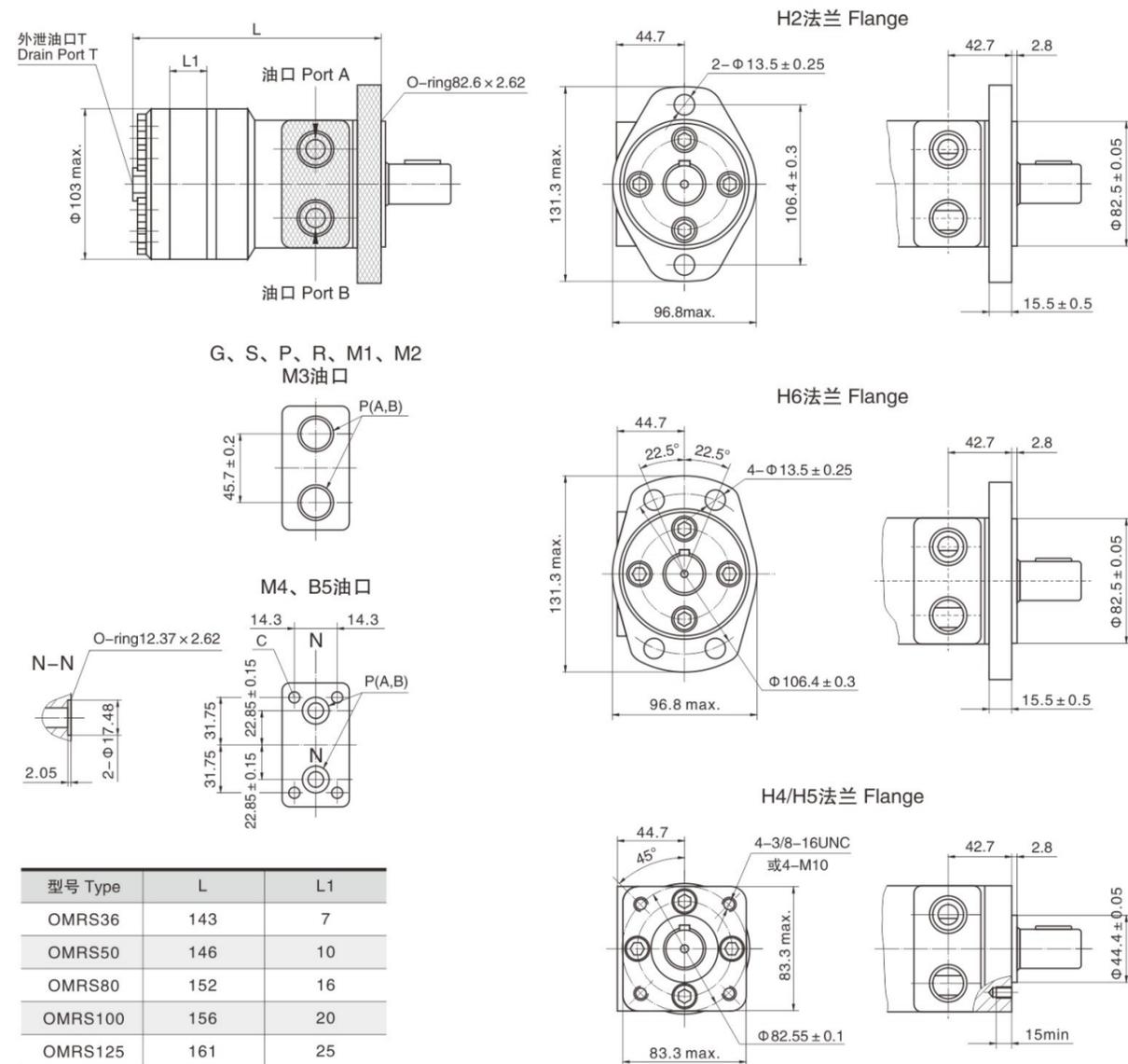
OMR系列/ OMR Serie

OMR 轴伸连接尺寸/ OMR Output Shaft Dimensions



OMR系列/ OMR Serie

OMRS 安装连接尺寸/ OMRS Installation Dimensions



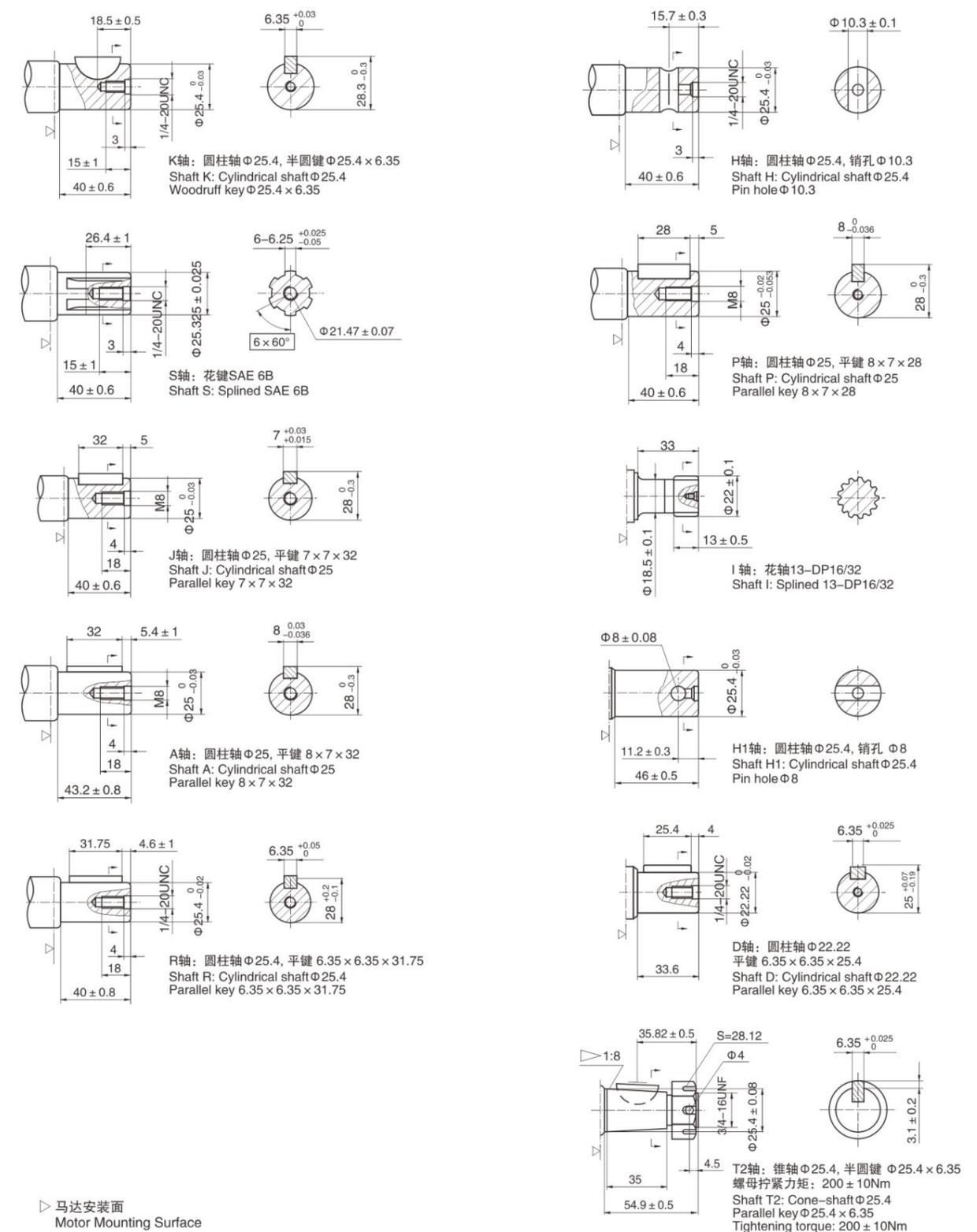
型号 Type	L	L1
OMRS36	143	7
OMRS50	146	10
OMRS80	152	16
OMRS100	156	20
OMRS125	161	25
OMRS160	166.5	30.5
OMRS200	174	38.1
OMRS250	186	50
OMRS315	198	62
OMRS375	210	74

注: N1结构L尺寸增加2mm
 Note: The size L of the OMRS N1 should be increased by 2mm.

代号 Code	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 x 1.5 (15)	M20 x 1.5 (15)	M22 x 1.5 (15)	$\Phi 10$	$\Phi 10$
T	G1/4 (12)	7/16-20UNF (12)	7/16-20UNF (12)	PT(RC) 1/4 (9.7)	M10 x 1 (12)	M10 x 1 (12)	M10 x 1 (12)	7/16-20UNF (12)	G1/4 (12)
C	-	-	-	-	-	-	-	4-5/16-18UNC (13)	4-M8 (13)

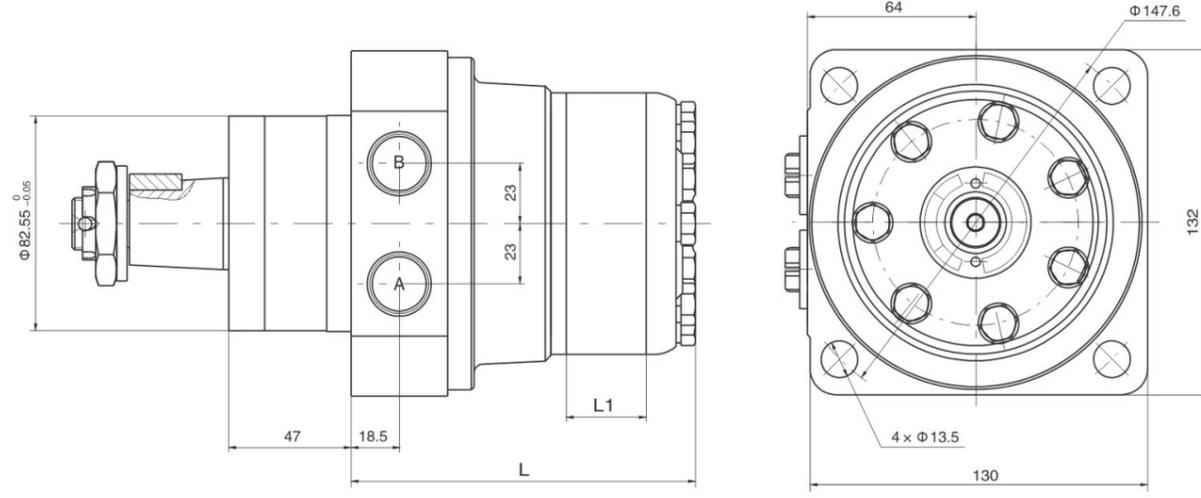
OMR系列/ OMR Serie

OMRS 轴伸连接尺寸/ OMRS Output Shaft Dimensions



OMR系列/ OMR Serie

OMRWN 安装连接尺寸/ OMRWN Installation 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)

OMR系列/ OMR 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
OMR	36 50 80 100 125 160 200 250 315 375	2 2- $\phi 13.5$ 菱法兰, 止口 $\phi 82.5 \times 8$ 4 4- $\phi 13.5$ 菱法兰, 止口 $\phi 82.5 \times 8$ H4 4-3/8-16方法兰, 止口 $\phi 44.4 \times 2.8$ H5 4-M10方法兰, 止口 $\phi 44.4 \times 2.8$	A $\phi 25$ 轴, 平键 $8 \times 7 \times 32$ B $\phi 32$ 轴, 平键 $10 \times 8 \times 45$ C $\phi 25.4$ 轴, 平键 $6.35 \times 6.35 \times 31.75$ E $\phi 25.4$ 轴, 花键SAE 6B R $\phi 25.4$ 短轴, 平键 $6.35 \times 6.35 \times 31.75$ F $\phi 31.75$ 轴, 花键14-DP12/24 FD $\phi 31.75$ 长轴, 花键14-DP12/24 G $\phi 31.75$ 轴, 平键 $7.96 \times 7.96 \times 31.75$ T $\phi 28.56$ 锥轴, 平键 $B5 \times 5 \times 14$	D G1/2板式 4 x M8, G1/4 M M22 x 1.5板式 4 x M8, M14 x 1.5 S 7/8-14 O-ring板式 4 x 5/16-18UNC, 7/16-20UNF P 1/2-14 NPTF板式 4 x 5/16-18UNC, 7/16-20UNF R PT(Rc)1/2板式 4 x M8, PT(Rc)1/4	无 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

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 $\phi 28.56$ 轴径)。

1	2	3	4	5	6	7	8
Type	Displacement	Flange	Output shaft	Ports and drain port	Rotation direction	Paint	Unusually function
OMR	36 50 80 100 125 160 200 250 315 375	2 2- $\phi 13.5$ Rhomb-flange, pilot $\phi 82.5 \times 8$ 4 4- $\phi 13.5$ Rhomb-flange, pilot $\phi 82.5 \times 8$ H4 4-3/8-16 Square-flange, pilot $\phi 44.4 \times 2.8$ H5 4-M10 Square-flange, pilot $\phi 44.4 \times 2.8$	A Shaft $\phi 25$, parallel Key $8 \times 7 \times 32$ B Shaft $\phi 25.4$, parallel Key $6.35 \times 6.35 \times 31.75$ C Shaft $\phi 25.4$, splined tooth SAE 6B E Short shaft $\phi 25.4$, parallel Key $6.35 \times 6.35 \times 31.75$ R Shaft $\phi 32$, parallel Key $10 \times 8 \times 45$ F Shaft $\phi 31.75$, splined tooth 14-DP12/24 FD Long shaft $\phi 31.75$, splined tooth 14-DP12/24 G Shaft $\phi 31.75$, parallel Key $7.96 \times 7.96 \times 31.75$ T Cone-Shaft $\phi 28.56$, parallel Key $B5 \times 5 \times 14$	D G1/2 Manifold Mount 4-M8, G1/4 M M22 x 1.5 Manifold Mount 4-M8, M14 x 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	00 Omit B S	00 No paint Blue Black Silver grey	Omit Standard N1 Big radial force 0 No case drain F Free Running LS Low Speed

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	
OMRS	36	K 2-φ13.5菱法兰, 止口φ82.5×2.8 H2 4-φ13.5菱法兰, 止口φ82.5×2.8 H6 4-3/8-16法兰, 止口φ44.4×2.8 H4 4-M10法兰, 止口φ44.4×2.8 H5	K φ25.4轴, 半圆键φ25.4×6.35	G G1/2, G1/4	无	00	无	常规
	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		R φ25.4轴, 平键6.35×6.35×31.75	T 3/4-16 O-ring, 7/16-20UNF				
	125		H φ25.4轴, 销孔φ10.3	R PT(Rc)1/2, PT(Rc)1/4				
	160		H1 φ25.4轴, 销孔φ8	B4 φ10 O-ring 板式4×5/16-18UNC, 7/16-20UNF				
	200		D φ22.22轴, 平键6.35×6.35×25.4	B5 φ10 O-ring 板式4×5/16-18UNC, 7/16-20UNF				
	250		I φ22.22轴, 花键13-DP16/32	M1 M18×1.5, M10×1				
	315		T2 φ25.4轴, 半圆键φ25.4×6.35	M2 M20×1.5, M10×1				
	375		J φ25轴, 平键7×7×32	M3 M22×1.5, M10×1				

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φ28.56轴径)。

1	2	3	4	5	6	7	8
Type	Displacement	Flange	Output shaft	Ports and drain port	Rotation direction	Paint	Unusually function
OMRS	36	H2 2-φ13.5Rhomb-flange, pilotφ82.5×2.8 H6 4-φ13.5Rhomb-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 Keyφ25.4×6.35	G G1/2, G1/4	Omit	00	Omit
	50		S Sub-shaftφ25.4, splined tooth SAE 6B	S 7/8-14 O-ring 7/16-20UNF(G1/4)			
	80		A Shaftφ25, parallel key 8×7×32	P 1/2-14 NPTF, 7/16-20UNF(G1/4)			
	100		R Shaftφ25.4, parallel key 6.35×6.35×31.75	T 3/4-16 O-ring, 7/16-20UNF			
	125		H Sub-shaftφ25.4, Pin holeφ10.3	R PT(Rc)1/2, PT(Rc)1/4			
	160		H1 Shaftφ25.4, pin holeφ8	B4 φ10 O-ring manifold 4×5/16-18, 7/16-20UNF			
	200		D Shaftφ22.22, parallel key 6.35×6.35×25.4	B5 φ10 O-ring manifold 4×5/16-18, G1/4			
	250		I Shaftφ22.22, splined tooth 13-DP16/32	M1 M18×1.5, M10×1			
	315		T2 Cone shaftφ25.4, woodruff keyφ25.4×6.35	M2 M20×1.5, M10×1			
	375		P Shaftφ25, parallel Key 8×7×28	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

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	T1 φ35锥轴, 平键φB6×6×20	D G1/2, G1/4	无	00	无
	80		B φ32轴, 平键10×8×4				
	100		F φ31.75轴, 花键14-DP12/24				
	125		FD φ31.75长轴, 花键14-DP12/24				
	160		G φ31.75轴, 平键7.96×7.96×31.75				
	200						
	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	Displacement	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	D G1/2, G1/4	Standard	00	No paint
	80		B Shaftφ32, parallel key 10×8×4				
	100		F Shaftφ31.75, splined key 14-DP12/24				
	125		FD Long Shaftφ31.75, splined key 14-DP12/24				
	160		G Shaftφ31.75, parallel key 7.96×7.96×31.75				
	200						
	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.

OK 目录 / Contents



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OK系列/ OK Serie

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 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 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 (cm ³ /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。

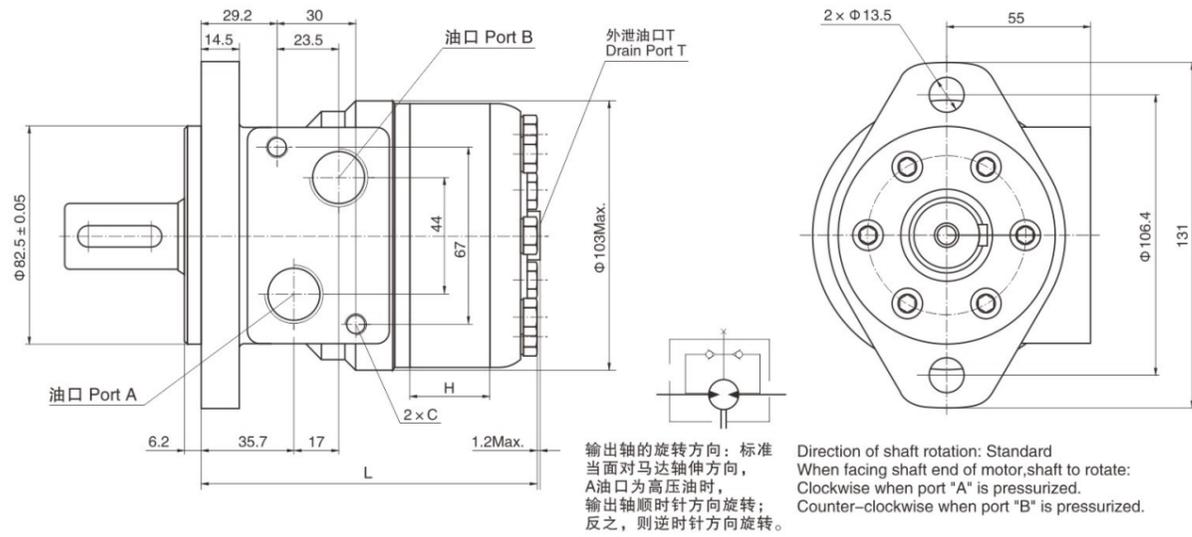
* 断续值是指该排量马达在1分钟内工作6秒的最大值。

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

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

OK系列/ OK Serie

OK 安装连接尺寸/ OK Installation Dimensions



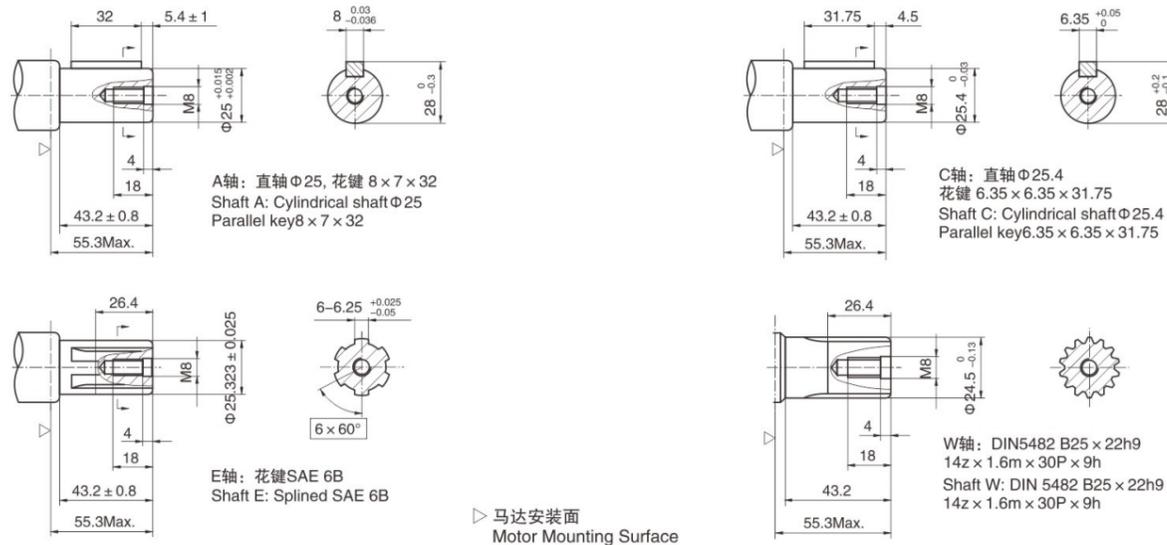
输出轴的旋转方向：标准
当面对马达轴伸方向，
A油口为高压油时，
输出轴顺时针方向旋转；
反之，则逆时针方向旋转。

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.

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 x 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 x 1.5 (12)	7/16-20UNF (12)	7/16-20UNF (12)	PT(RC) 1/4 (9.7)

OK 轴伸连接尺寸/ OK Output Shaft Dimensions



OK系列/ OK Serie

订货信息/ Order Information

1	2	3	4	5	6	7	8
OK	排量	法兰、止口	轴伸	油口、外泄口	旋转方向	油漆选项	特殊功能
OK	36 50 80 100 125 160 200 250 315 375	2 2-Ø13.5 菱法兰， 止口 Ø82.5 x 6.2	A Ø25轴，平键 8 x 7 x 32 C Ø25.4轴，平键 6.35 x 6.35 x 31.75 E Ø25.4轴，花键 SAE 6B W Ø24.5轴，花键 B25 x 22 T Ø28.56 锥轴，平键 B5 x 5 x 14	D G1/2, 板式 4 x M8, G1/4 M M22 x 1.5, 板式 4 x M8, M14 x 1.5 S 7/8-14 O-ring 板式 4 x 5/16-18UNC, 7/16-20UNF P 1/2-14 NPTF 板式 4 x 5/16-18UNC, 7/16-20UNF R PT(Rc)1/2 板式 4 x 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 自由转动 无外泄

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
OK	Displacement	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-Ø13.5 Rhomb-flange, pilot Ø82.5 x 6.2	A Shaft Ø25, parallel key 8 x 7 x 32 C Shaft Ø25.4, parallel key 6.35 x 6.35 x 31.75 E Shaft Ø25.4, splined key SAE 6B W Shaft Ø24.5, splined key B25 x 22 T Cone shaft Ø28.56, parallel key B5 x 5 x 14	D G1/2 Manifold 4 x M8, G1/4 M M22 x 1.5 Manifold 4 x M8, M14 x 1.5 S 7/8-14 O-ring manifold 4 x 5/16-18UNC, 7/16-20UNF P 1/2-14NPTF manifold 4 x 5/16-18UNC, 7/16-20UNF R PT(Rc)1/2 manifold 4 x M8, PT(Rc)1/4	00 Omit Standard R Opposite B S	00 No paint Blue Black Silver grey	Standard Omit

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.



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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 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 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 (cm ³ /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
	连续 cont.	366	290	236	183
	断续 int.	439	348	282	220
最大扭矩 Max. torque (N.m)	额定 rated	400	500	600	705
	连续 cont.	510	621	740	850
	断续 int.	579	702	827	990
最大输出功率 Max. output (kw)	连续 cont.	16	16	14	12.5
	断续 int.	18.5	18.5	15.5	15
	峰值 peak	651	790	980	1092
最高工作压差 Max. pressure drop (MPa)	额定 rated	14.0	14.0	14.0	12.5
	连续 cont.	17.5	17.5	17.5	15.5
	断续 int.	20	20	20	19
最大流量 Max. flow (L/min)	额定 rated	60	60	60	60
	连续 cont.	75	75	75	75
	断续 int.	90	90	90	90
重量 Weight (kg)	10.5	11	11.5	12.3	13.0

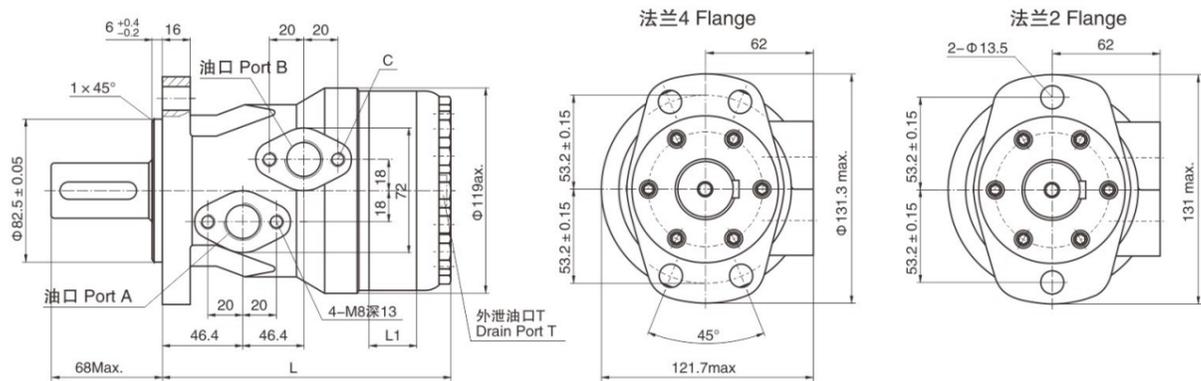
OMH系列/ OMH Serie

型号 Type	最大进油压力 Max.inlet pressure	最大背压 (接外泄油口) Max.return pressure with drain line
OMH200-500 (MPa)	连续 cont.	200
	断续 int.	225
	峰值 peak	250

- * 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.

OMH 安装连接尺寸/ OMH Installation Dimensions

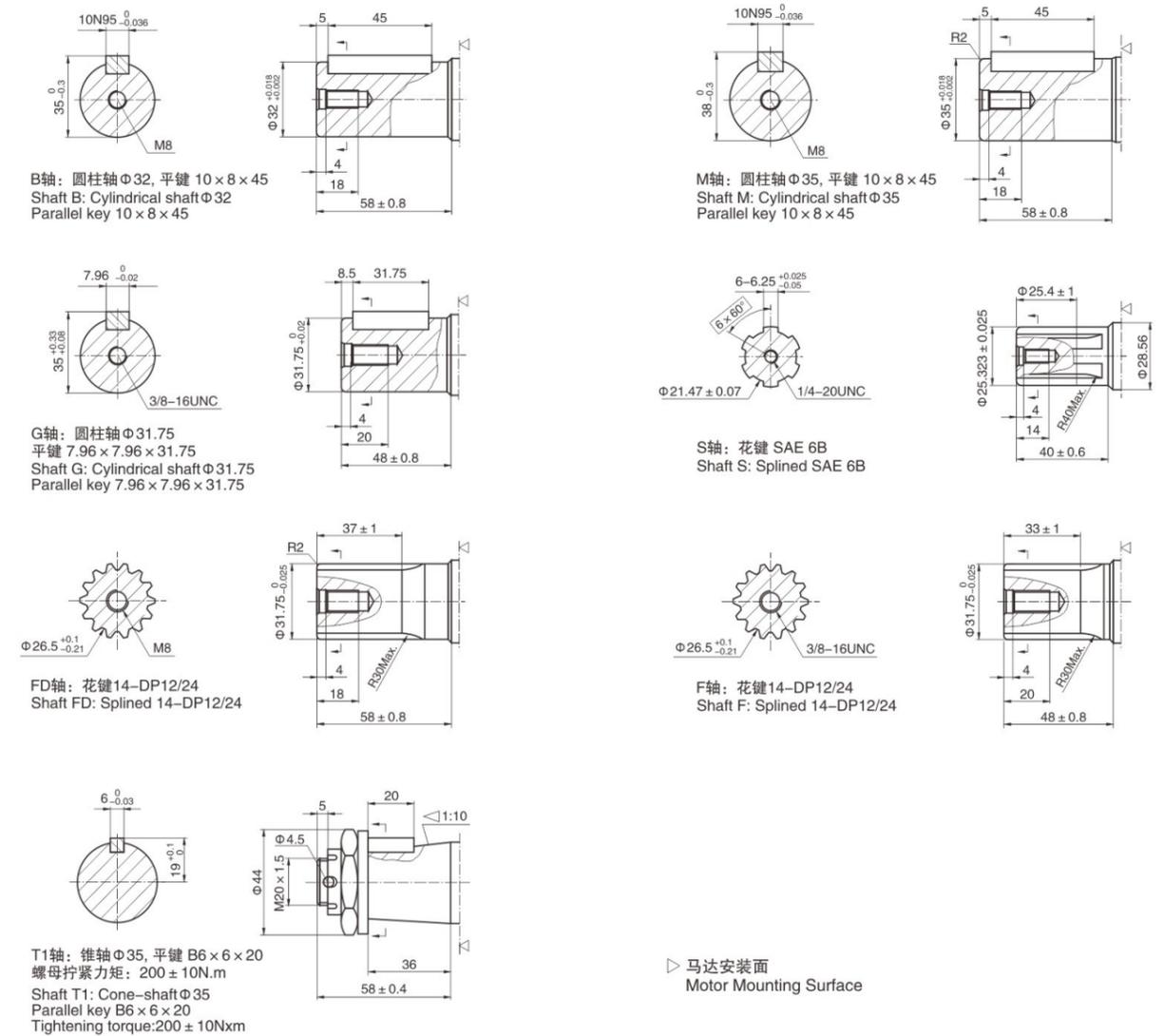


型号 Type	OMH160	OMH200	OMH250	OMH315	OMH400	OMH500
L	162	168	175	184	195	206
L1	21	27	34	42	54	65

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 x 1.5(15)	7/8-14 O-ring (15)	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 x 1.5(12)	7/16-20UNF (12)	7/16-20UNF (12)	PT(RC)1/4 1/4

OMH系列/ OMH Serie

OMH 轴伸连接尺寸/ OMH Output Shaft Dimensions



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-φ13.5菱法兰, 止口φ82.5×6 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-M8, 7/16-20UNF P 1/2-14 NPTF板式4-M8, 7/16-20UNF R PT(Rc)1/2板式4-M8, PT(Rc)1/4	无	00 不油漆	无	
	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			标准	B 黑漆	F 自由转动
	32		FD φ31.75长轴, 花键14-DP12/24			R 反向	S 银灰漆	LS 低转速
	40		G φ31.75轴, 平键7.96×7.96×31.75					
50	T1 φ35锥轴, 平键B6×6×20							
		S φ25.4锥轴, 花键SAE 6B						

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	Displacement	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	00 No paint Omit Blue B Black S Silver grey	Omit Standard No drain F Free Running LS Low Speed	
	12.5		M Shaftφ35, parallel key 10×8×45				
	20		F Shaftφ31.75, splined key 14-DP12/24				
	32		FD Long Shaftφ31.75, splined key 14-DP12/24				
	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.



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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	OMSYS 80	OMSYS 100	OMSYS 125	OMSYS 160	OMSYS 200	OMSYS 250	OMSYS 315	OMSYS 400	OMSYS 475
排量 (cm ³ /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	135	110
	连续 cont.	800	748	600	470	375	300	185	155
最大扭矩 (N.m) Max. torque	额定 rated	175	220	273	445	505	620	765	780
	连续 cont.	225	290	365	485	586	708	880	910
最大输出功率 (kw) Max. output	额定 rated	12	12.4	12.4	12.4	12.4	11.2	9.6	8.6
	连续 cont.	16	18	18	18.1	18.1	17	11	9
最高工作压力 Max. pressure drop (MPa)	连续 cont.	20.5	20.5	20.5	21	21	20	16	14
	断续 int.	27.5	27.5	27.5	26	25	24	19	15
	峰值 peak	29.5	29.5	29.5	28	27	26	21	17.5
最大流量 (L/min) Max. flow	连续 cont.	65	75	75	75	75	75	75	75
	断续 int.	80	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
	连续 cont.	25	25	25	25	25	25	25	25
	断续 int.	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。

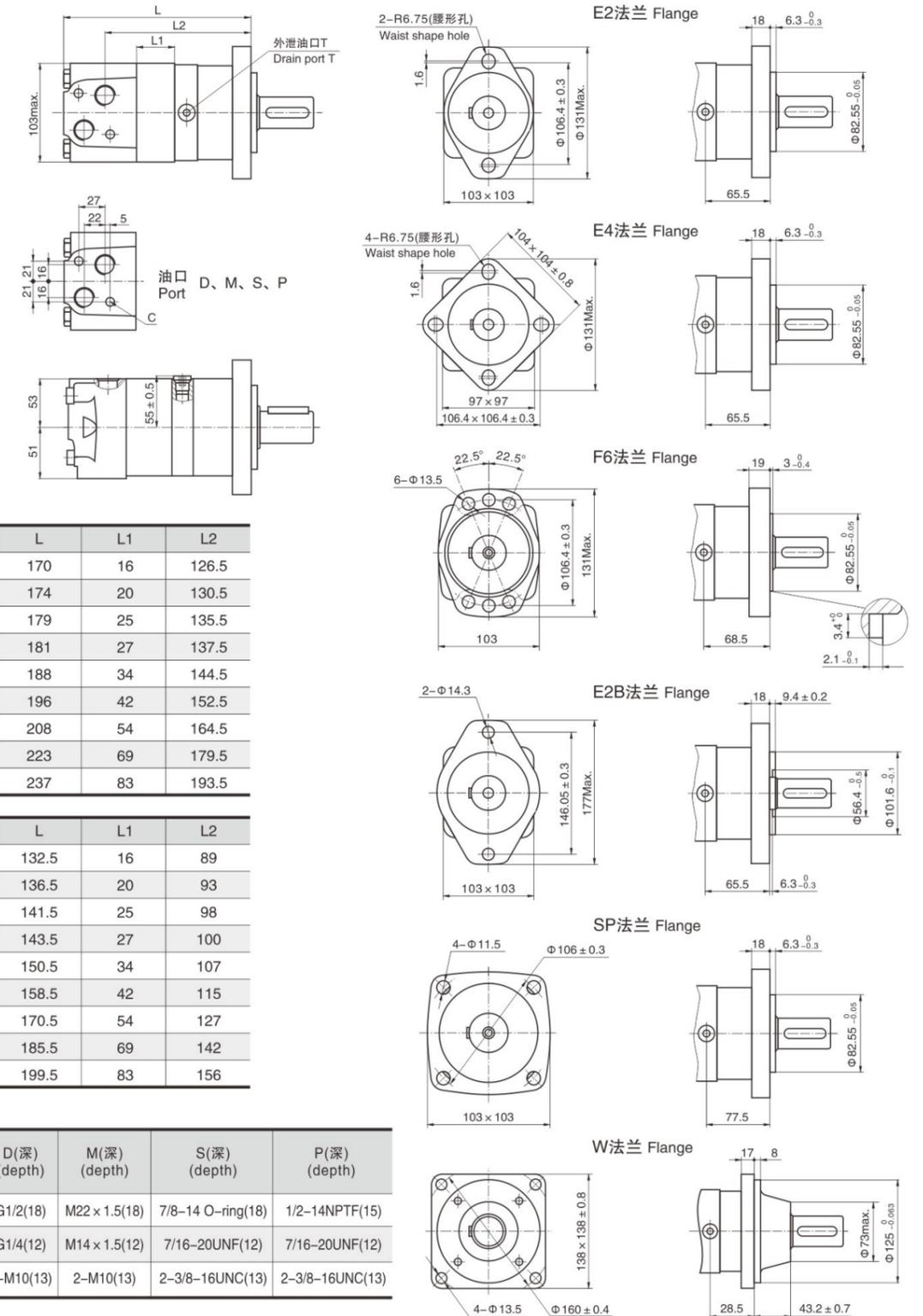
* Rated speed and rated torque: output value of speed and torque under rated flow and rated pressure;

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

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

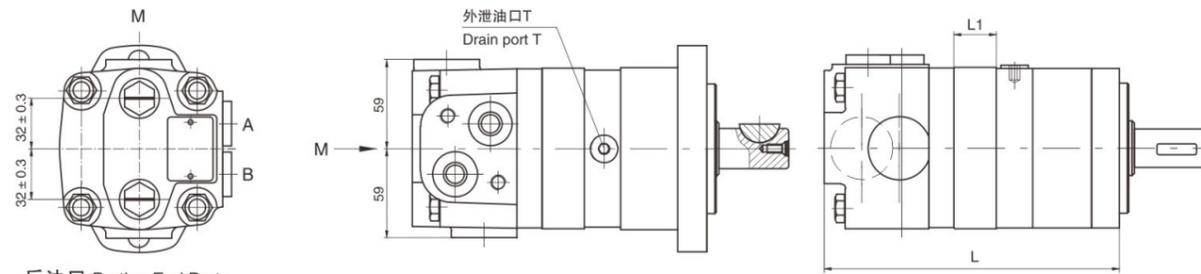
* Peak pressure: Max.value of operating motor in 0.6 second per minute.

OMSY 安装连接尺寸/ OMSY Installation Dimensions



OMSY系列/ OMSY Serie

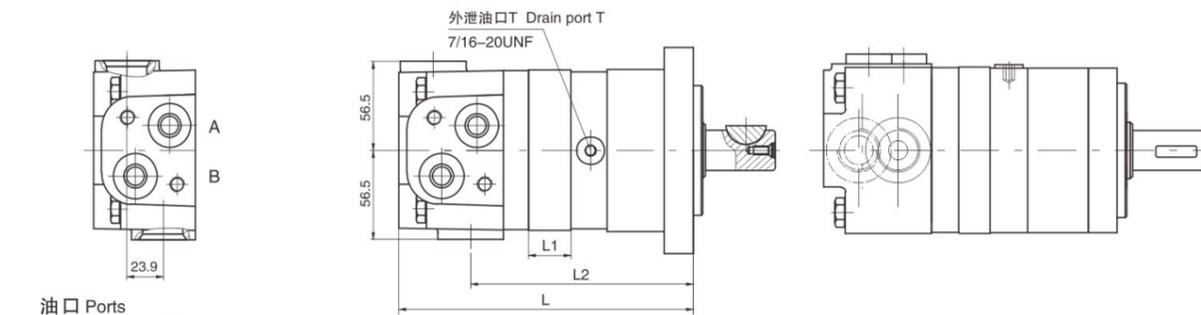
OMSY 安装连接尺寸/ OMSY Installation Dimensions



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 x 1.5(15)	7/8-14 O-ring(17)
T		G1/4(12)	M14 x 1.5(12)	7/16-20UNF(12)



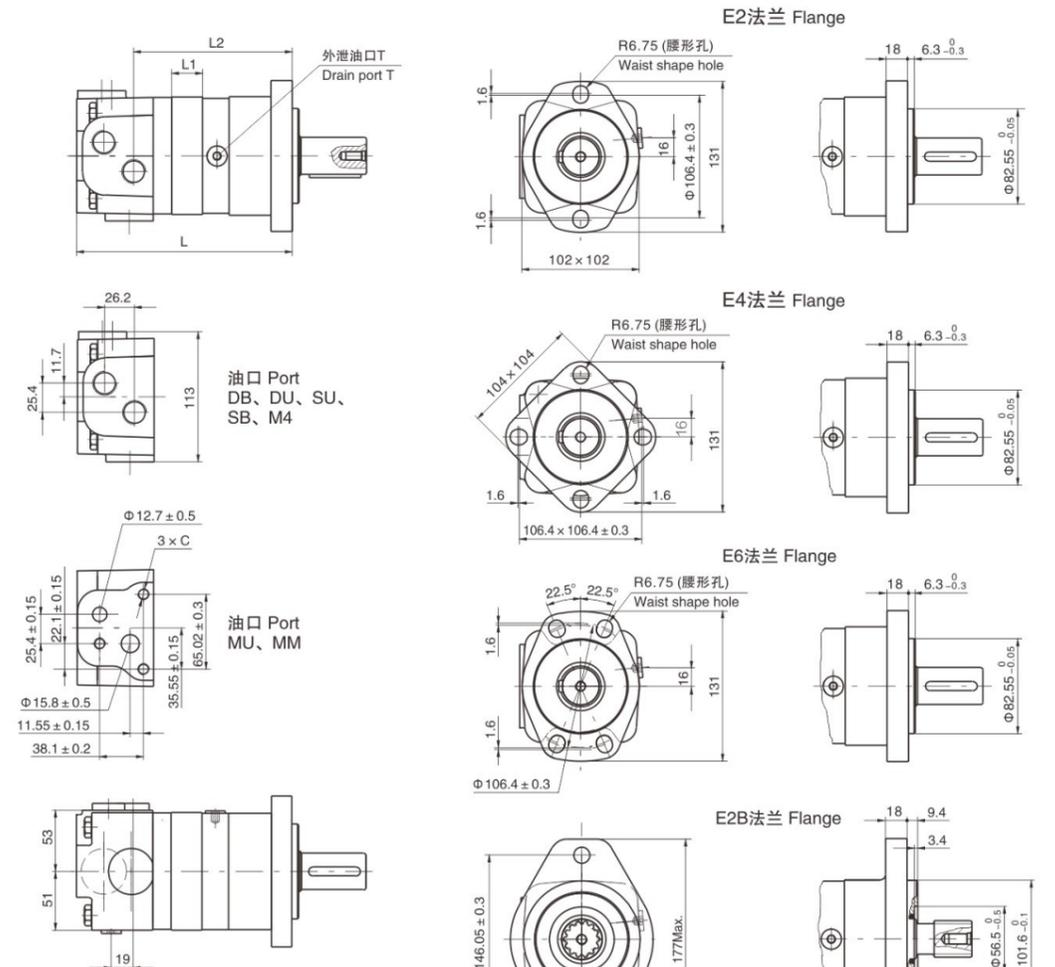
油口 Ports
ED 1-1/16-12UN O-ring
180° 对称油口 Apart ports

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 x 1.5(15)	7/8-14 O-ring(17)
T		G1/4(12)	M14 x 1.5(12)	7/16-20UNF(12)

OMSY系列/ OMSY Serie

OMSY 安装连接尺寸/ OMSY Installation Dimensions

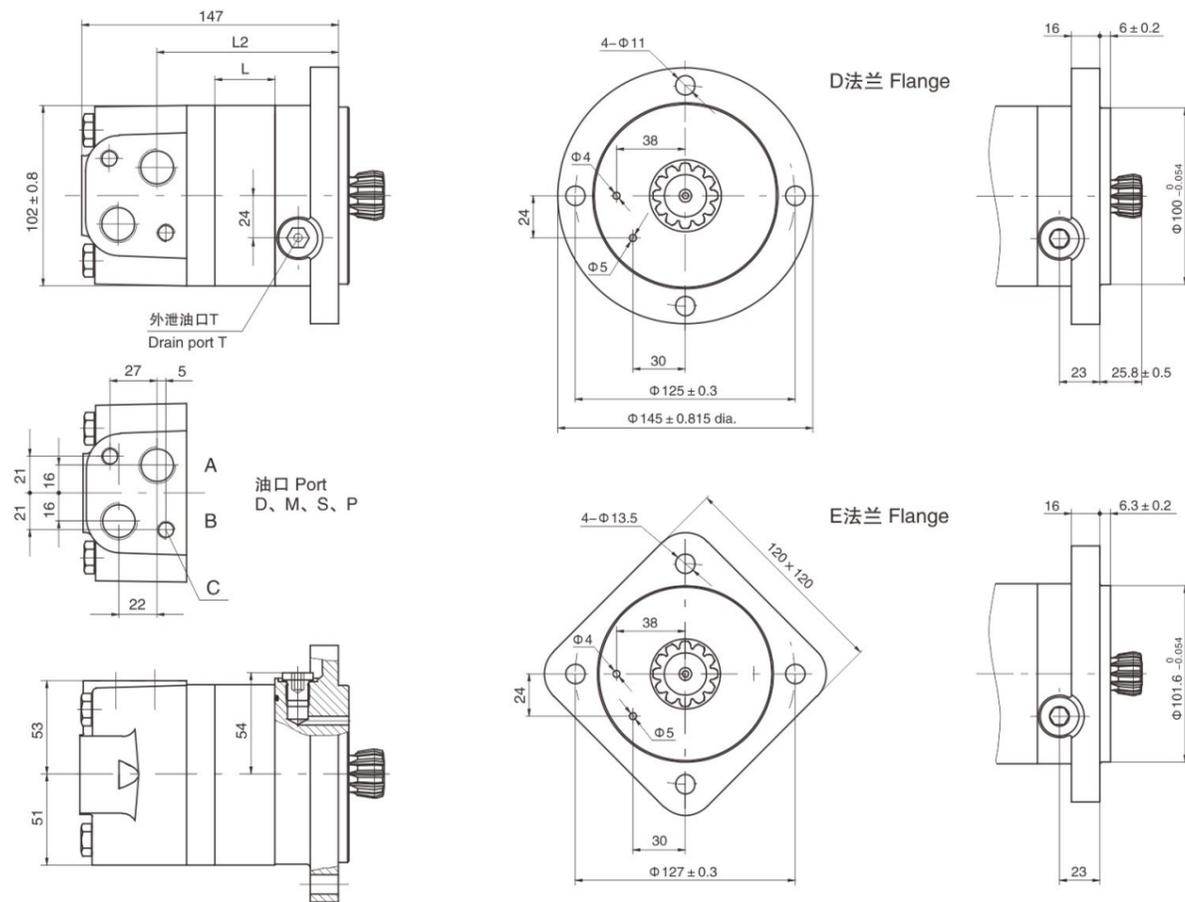


型号 Type	L	L1	L2	型号 Type	L	L1	L2
OMSY-80	177	16	126.5	OMSY-80-WE	148.5	16	98
OMSY-100	181	20	130.5	OMSY-100-WE	152.5	20	102
OMSY-125	186	25	135.5	OMSY-125-WE	157.5	25	107
OMSY-160	188	27	137.5	OMSY-160-WE	159.5	27	109
OMSY-200	195	34	144.5	OMSY-200-WE	166.5	34	116
OMSY-250	203	42	152.5	OMSY-250-WE	174.5	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 x 1.5(15)	Φ12.7, Φ15.8	Φ12.7, Φ15.8
T		G1/4(12)	7/16-20UNF(12)	7/16-20UNF(12)	G1/4(12)	M12 x 1.5(12)	7/16-20UNF(12)	G1/4(12)
C		-	-	-	-	-	3/8-16UNC	M10

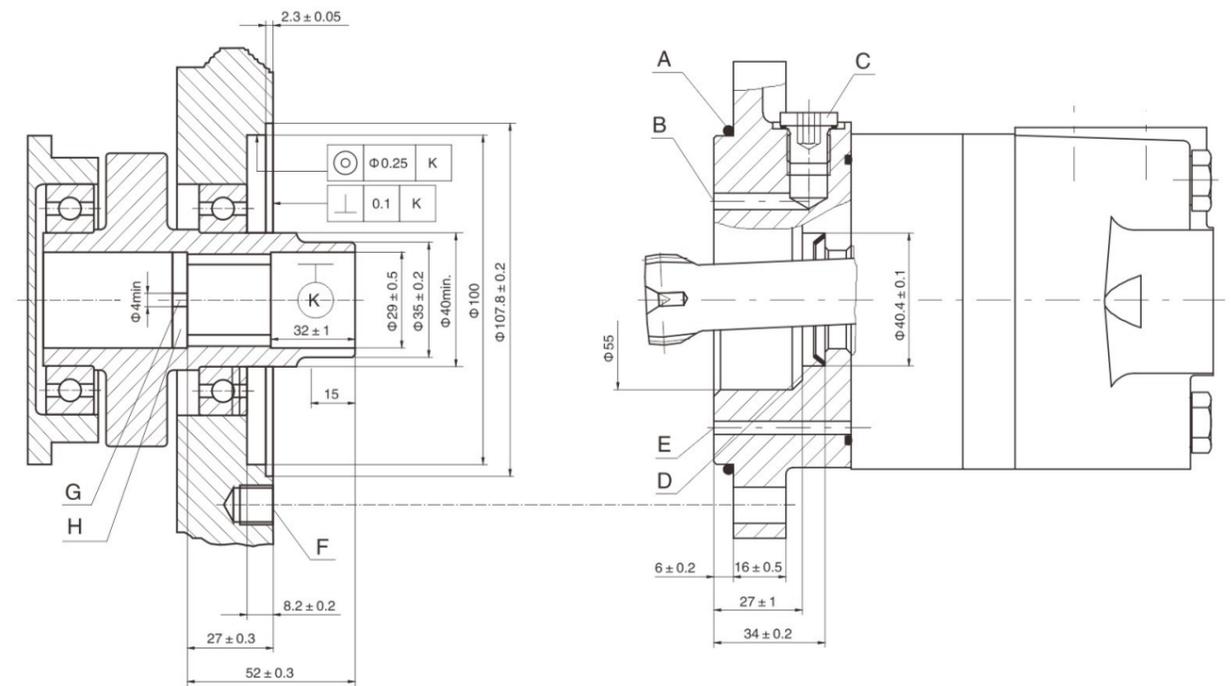
OMSY系列/ OMSY Serie

OMSYS 安装连接尺寸/ OMSYS Installation Dimensions



OMSY系列/ OMSY Serie

OMSYS 安装连接尺寸/ OMSYS Installation Dimensions



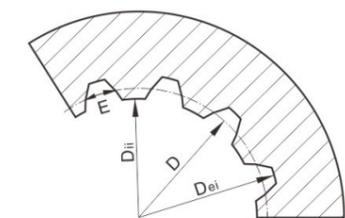
- A: O形圈 100 × 3
- B: 外泄油通道
- C: 泄油口连接深12mm
- D: 锥形密封圈
- E: 内泄油通道
- F: 15mm深
- G: 回油孔
- H: 硬化挡板

- 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

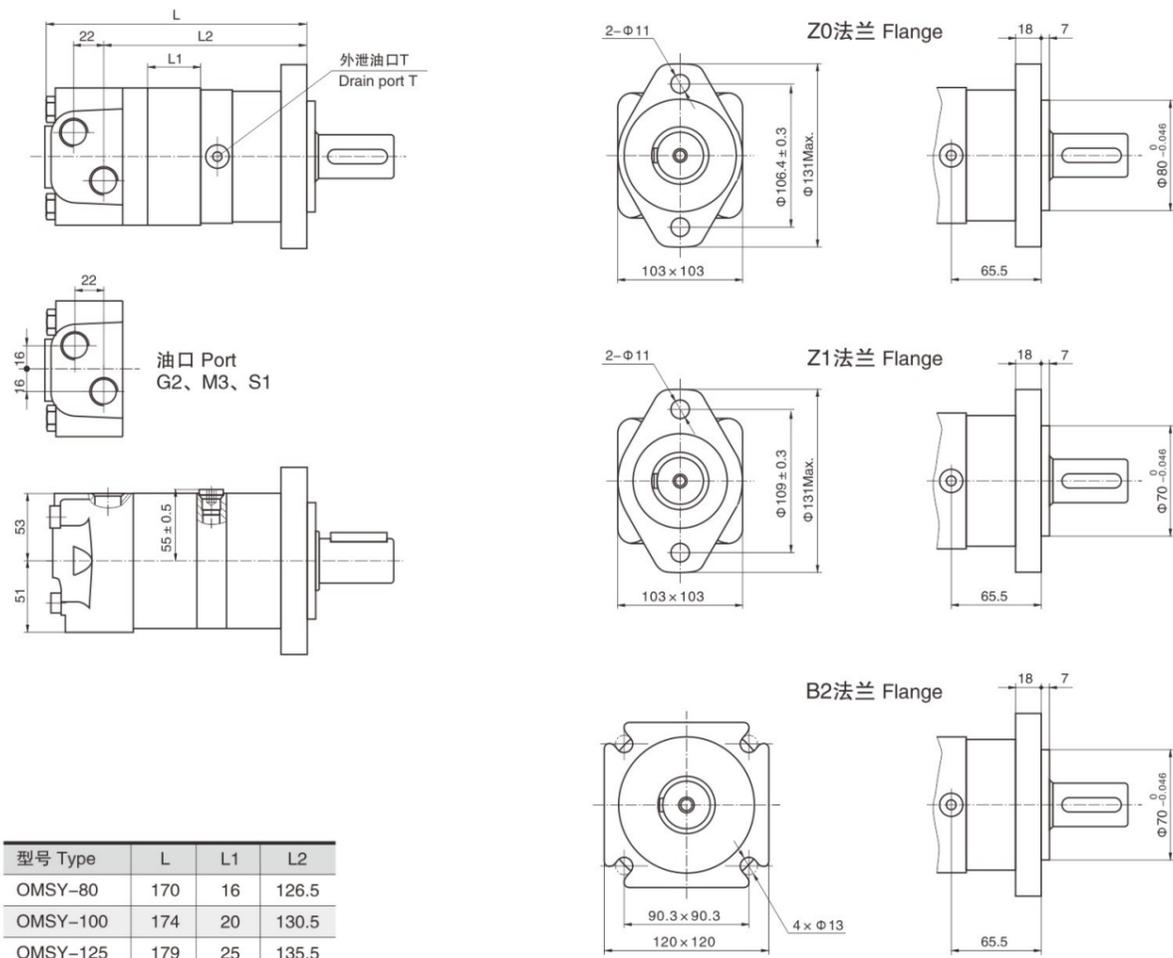
Internal spline data for the attached component

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

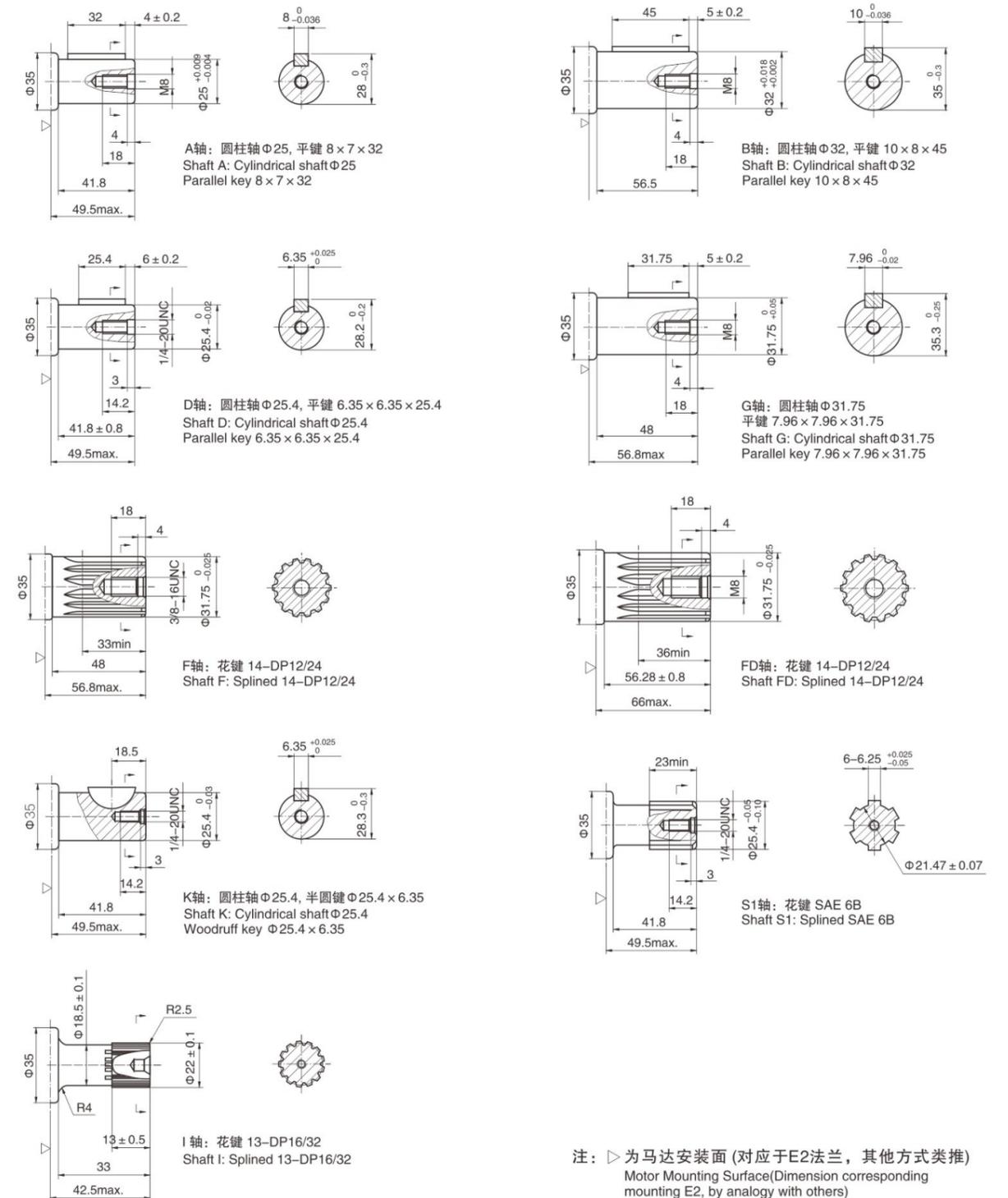
OMSY 安装连接尺寸/ OMSY Installation Dimensions



型号 Type	L	L1	L2
OMSY-80	170	16	126.5
OMSY-100	174	20	130.5
OMSY-125	179	25	135.5
OMSY-160	181	27	137.5
OMSY-200	188	34	144.5
OMSY-250	196	42	152.5
OMSY-315	208	54	164.5
OMSY-400	223	69	179.5
OMSY-475	237	83	193.5

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

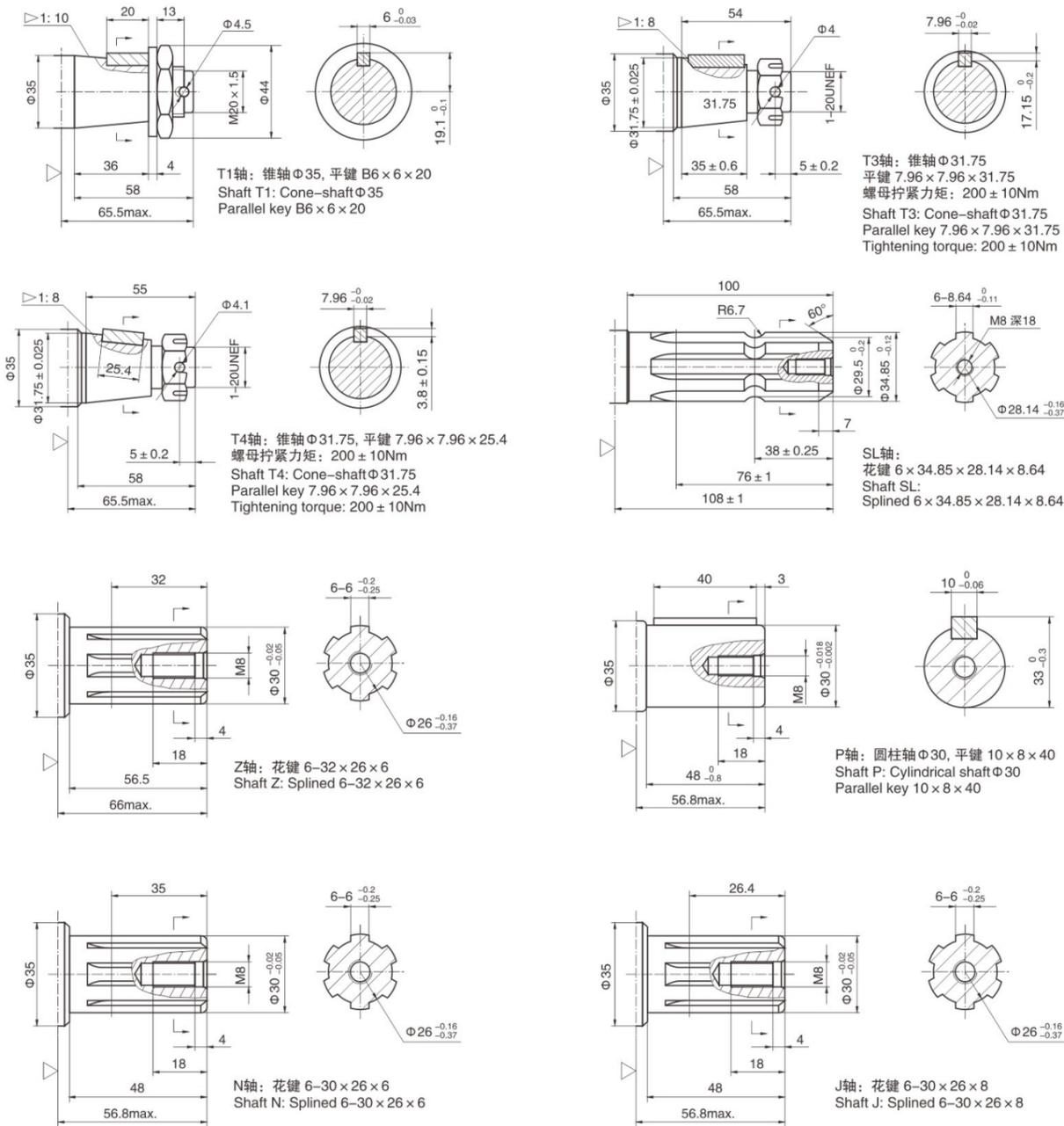
OMSY 轴伸连接尺寸/ OMSY Output Shaft Dimensions



注: ▽为马达安装面(对应于E2法兰, 其他方式类推)
Motor Mounting Surface(Dimension corresponding mounting E2, by analogy with others)

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 modle 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 E4 F6 W E2B SP E6	A	D M S P	无 R	00 无 B S	常规 自由转动 低转速	
			B					G1/2 板式2-M10, G1/4
			D					M22 × 1.5 板式2-M10, M14 × 1.5
			F					7/8-14 UNF O-ring 板式2-3/8-16, 7/16-20UNF
			G					1/2-14 NPTF 板式2-3/8-16, 7/16-20UNF
			H					
			I					
			J					
			K					
			L					
S		D E	4-Φ11圆法兰Φ125, 止口Φ100×6 4-Φ13.5方法兰Φ127, 止口Φ101.6×6.3					

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	Displacement	Flange	Output shaft	Ports and drain port	Rotation direction	Paint	Unusually function	
OMSY	80 100 125 160 200 250 315 400 475	E2 E4 F6 W E2B SP E6	B	D M S P	00 Omit B S	No paint Blue Black Silver grey	Standard Free Running Low Speed	
			D					G1/2 Manifold Mount 2-M10, G1/4
			F					M22 × 1.5 Manifold Mount 2-M10, M14 × 1.5
			G					7/8-14UNF O-ring manifold 2-3/8-16, 7/16-20UNF
			H					1/2-14NPTF manifold 2-3/8-16, 7/16-20UNF
			I					
			J					
			K					
			L					
			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 ports 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

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
OMSYS	80	E2 2-φ13.5菱法兰φ106.4, 止口φ82.5×6.3 E4 4-φ13.5菱法兰φ106.4, 止口φ82.5×6.3 E6 6-φ13.5菱法兰φ106.4, 止口φ82.5×2.6 E2B 2-φ14.3菱法兰φ146.05, 止口φ101.6×9.4 WE 4-φ13.6车法兰φ147.6, 止口φ107.95×6.4	A φ25轴, 平键8×7×32 B φ32轴, 平键10×8×45 K φ25.4轴, 半圆键φ25.4×6.35 G φ31.75轴, 平键7.96×7.96×31.75 F φ31.75轴, 花键14-DP12/24 FE φ31.75轴, 花键14-DP12/24 T4 φ31.75轴, 平键7.96×7.96×25.4 S1 φ25.4轴, 花键SAE 6B I φ22轴, 花键13-DP16/32	G1/2, G1/4 M22 x 1.5, M14 x 1.5 7/8-14UNF O-ring, 7/16-20 UNF 1-1/16-12UN O-ring, 7/16-20 UNF G1/2, G1/4 G1/2, 7/16-20 UNF 7/8-14UNF O-ring, G1/4 7/8-14UNF O-ring, 7/16-20 UNF M22 x 1.5, M14 x 1.5 1/2", 5/8"板式安装 3×8/8-16UNC, 7/16-20UNF 1/2", 5/8"板式安装 3×M10, G1/4 G1/2, G1/4 M22 x 1.5, M14 x 1.5 7/8-14UNF-O-ring, 7/16-20 UNF	无 标准 R 反向	00 不油漆 无 蓝漆 B 黑漆 S 银灰漆	无 常规 F 自由转动 LS 低转速
	100						
	125						
	160						
	200						
	250						
	315						
	400						
	475						

1	2	3	4	5	6	7	8
Type	Displacement	Flange	Output shaft	Ports and drain port	Rotation direction	Paint	Unusually function
OMSYS	80	E2 2-φ13.5 Rhomb-flange φ106.4, pilot φ82.5×6.3 E4 4-φ13.5 Rhomb-flange φ106.4, pilot φ82.5×6.3 E6 6-φ13.5 Rhomb-flange φ106.4, pilot φ82.5×2.6 E2B 2-φ14.3 Rhomb-flange φ146.05, pilot φ101.6×9.4 WE 4-φ13.6 Wheel-flange φ147.6, pilot φ107.95×6.4	A Shaft φ25, parallel key 8×7×32 B Shaft φ32, parallel key 10×8×45 K Shaft φ25.4, Woodruff key φ25.4×6.35 G Shaft φ31.75, parallel key 7.96×7.96×31.75 F Shaft φ31.75, splined key 14-DP12/24 FE Shaft φ31.75, splined key 14-DP12/24 T4 Cone-shaft φ31.75, parallel key 7.96×7.96×25.4 S1 Shaft φ25.4, splined key SAE 6B I Sub-shaft φ21.74, splined key 13-DP16/32	G1/2, G1/4 2M22 x 1.5, M14 x 1.5 7/8-14UNF O-ring, 7/16-20 UNF 1-1/16-12UN O-ring, 7/16-20 UNF G1/2, G1/4 G1/2, 7/16-20 UNF 7/8-14UNF O-ring, G1/4 7/8-14UNF O-ring, 7/16-20 UNF M22 x 1.5, M14 x 1.5 1/2", 5/8" Crosshole Manifold 3×3/8-16UNC, 7/16-20UNF 1/2", 5/8" Crosshole Manifold 3×M10, G1/4 G1/2, G1/4 M22 x 1.5, M14 x 1.5 7/8-14UNF O-ring, 7/16-20 UNF	00 Omit R Opposite	No paint Omit Blue Black Silver grey	Omit Standard Free Running Low Speed
	100						
	125						
	160						
	200						
	250						
	315						
	400						
	475						

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 ports 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.



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OMTE 安装连接尺寸 OMTE Installation Dimensions	59
OMTZ 安装连接尺寸 OMTZ Installation Dimensions	60
OMTS 安装连接尺寸 OMTS Installation Dimensions	61
OMTJ 安装连接尺寸 OMTJ Installation Dimensions	63
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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.

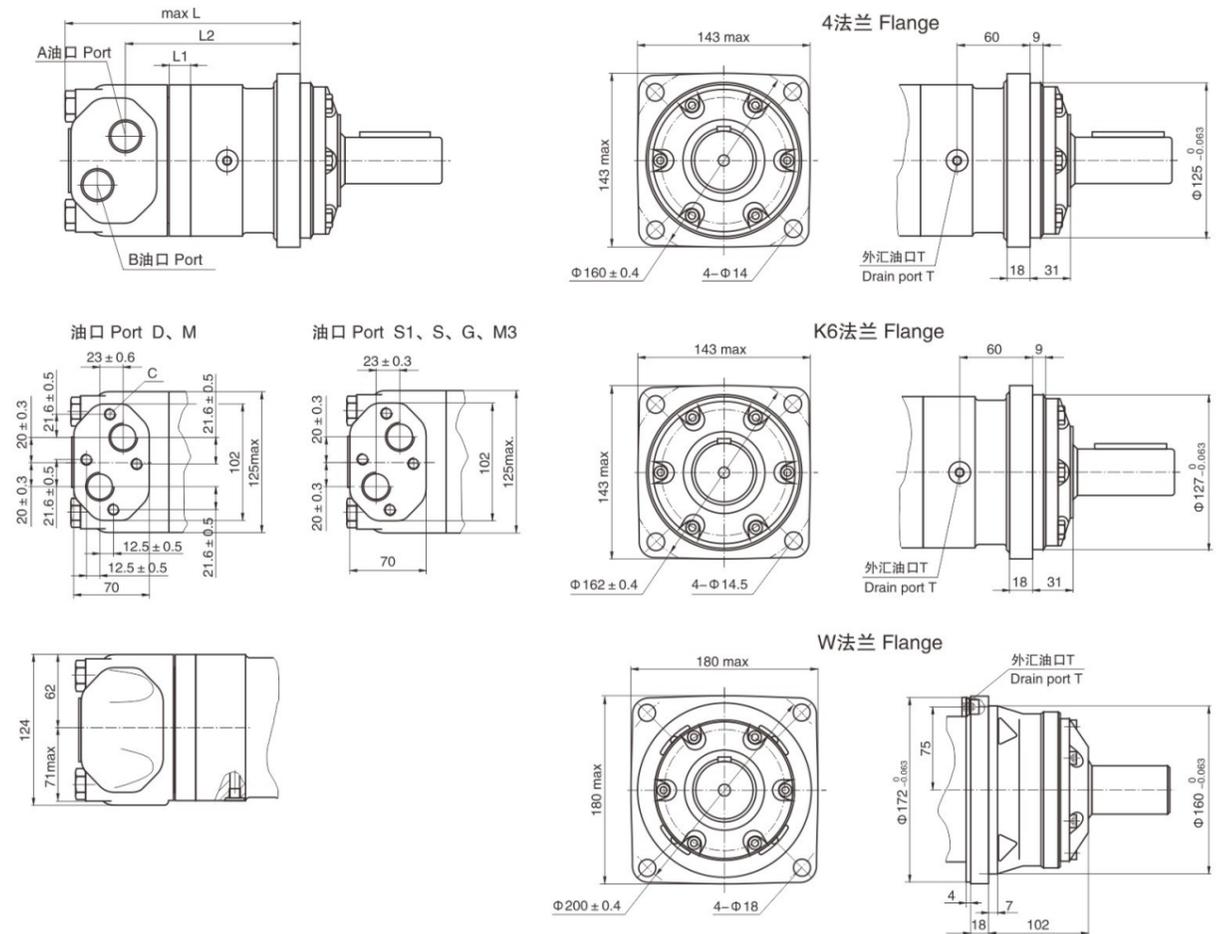
技术参数/ Technical data

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 (cm ³ /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	121
	连续 cont.	625	625	536	500	380	305	240	154
	断续 int.	780	750	643	600	460	365	285	185
最大扭矩 (N.m) Max. torque	额定 rated	379	471	530	582	758	896	1063	1207
	连续 cont.	470	590	670	730	950	1080	1220	1318
	断续 int.	560	710	821	880	1140	1260	1370	1498
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	15.3
	连续 cont.	27.7	34.9	34.7	34.5	34.9	31.2	28.8	22.2
	断续 int.	32	40	40	40	40	35	35	27.5
最高工作压力 Max. pressure drop (MPa)	额定 rated	16	16	16	16	16	15	14	10.5
	连续 cont.	20	20	20	20	20	18	16	12.5
	断续 int.	24	24	24	24	24	21	18	13
最大流量 (L/min) Max. flow	额定 rated	80	100	100	100	100	100	100	100
	连续 cont.	100	125	125	125	125	125	125	125
	断续 int.	125	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
	连续 cont.	21	21	21	21	21	21	21	21
	断续 int.	25	25	25	25	25	25	25	25
峰值 peak	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

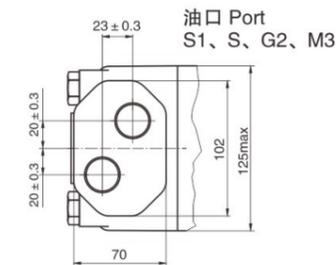
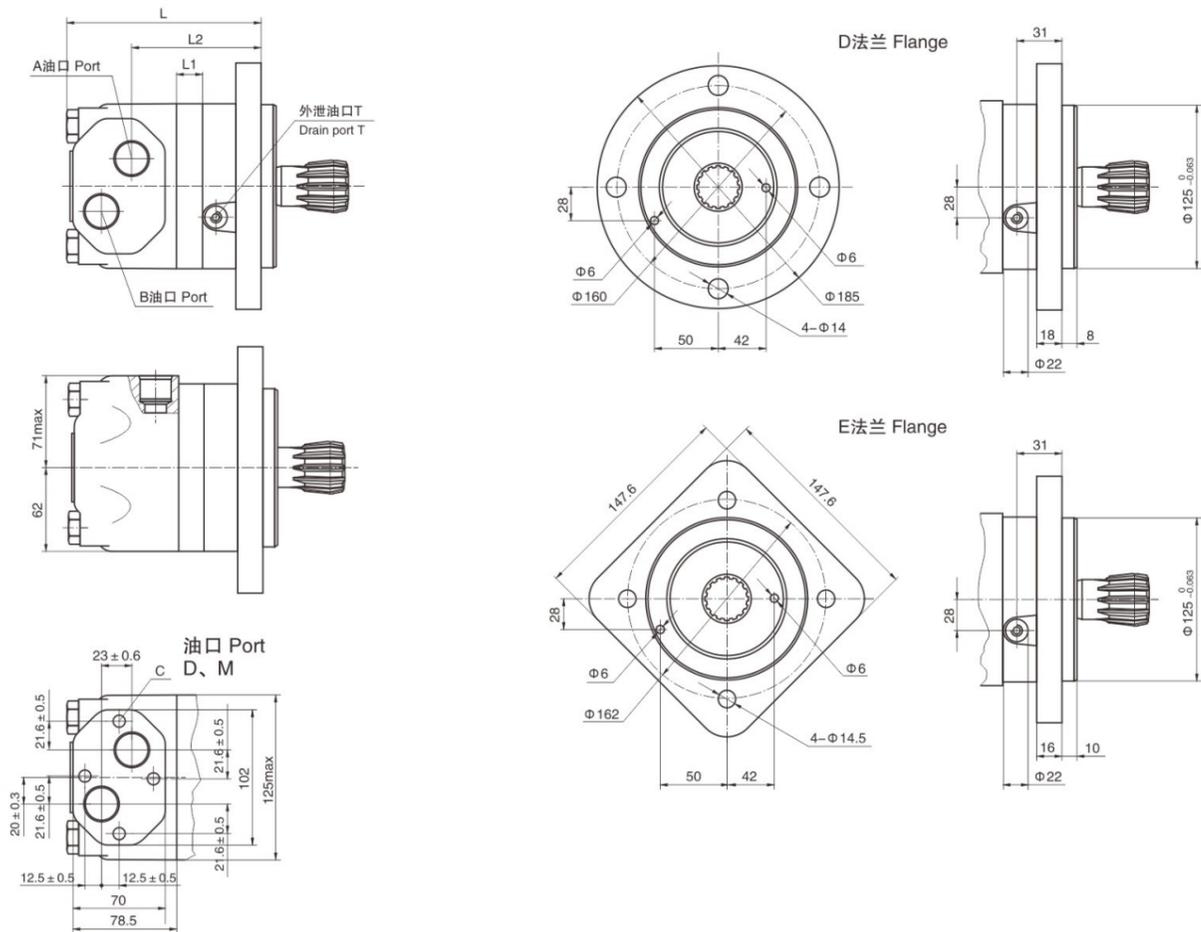
型号 Type	L	L1	L2
OMTW160	127	17	77
OMTW200	131	21	81
OMTW250	136	14	86
OMTW315	142	20	91
OMTW400	148	27	98
OMTW500	157	35	106
OMTW630	169	47	118
OMTW800	180	58	129

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

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)

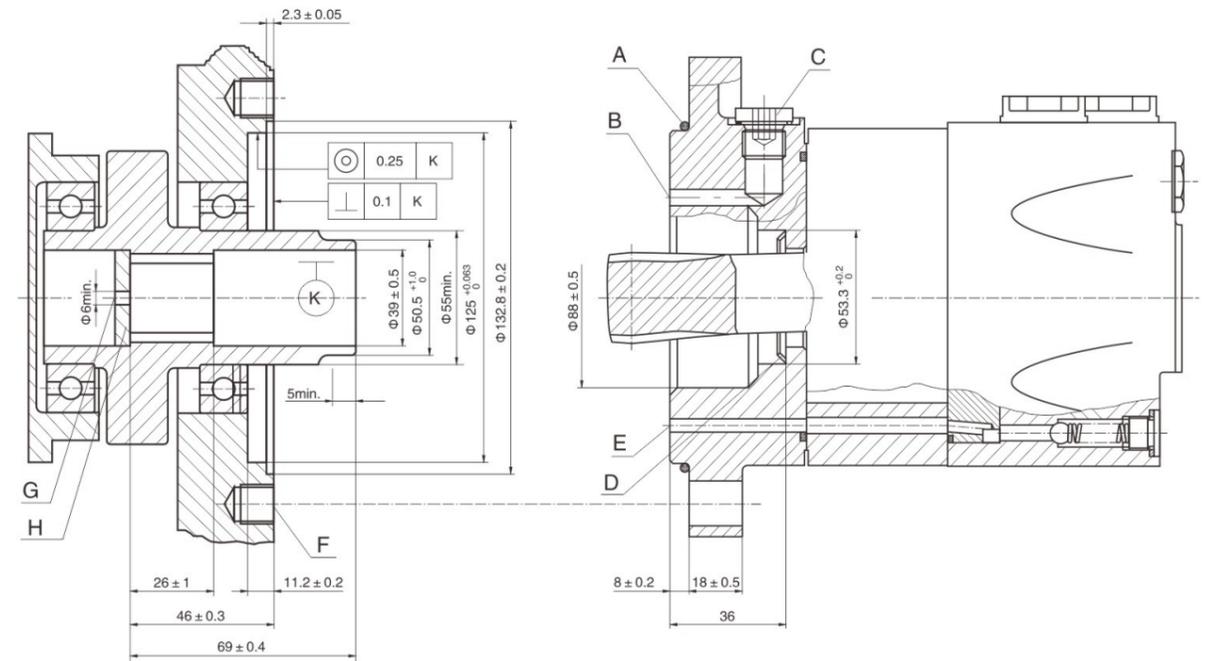
Note:
1、The thickness of the stator and rotor for disp. from 160 to 200 is the dimension of L1 adding on 3mm.
2、The thickness of the stator and rotor for disp. from 315 to 800 is the dimension of L1 adding on 7mm.

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

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)	-	-	-	-

OMT系列/ OMT Serie

OMTS 安装连接尺寸/ OMTS Installation Dimensions



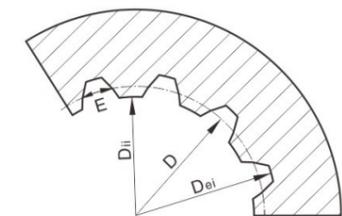
- A: O形圈 125×3
- B: 外泄油通道
- C: 泄油口连接深12mm
- D: 锥形密封圈
- E: 内泄油通道
- F: 18mm深
- G: 回油孔
- H: 硬化挡板

- 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

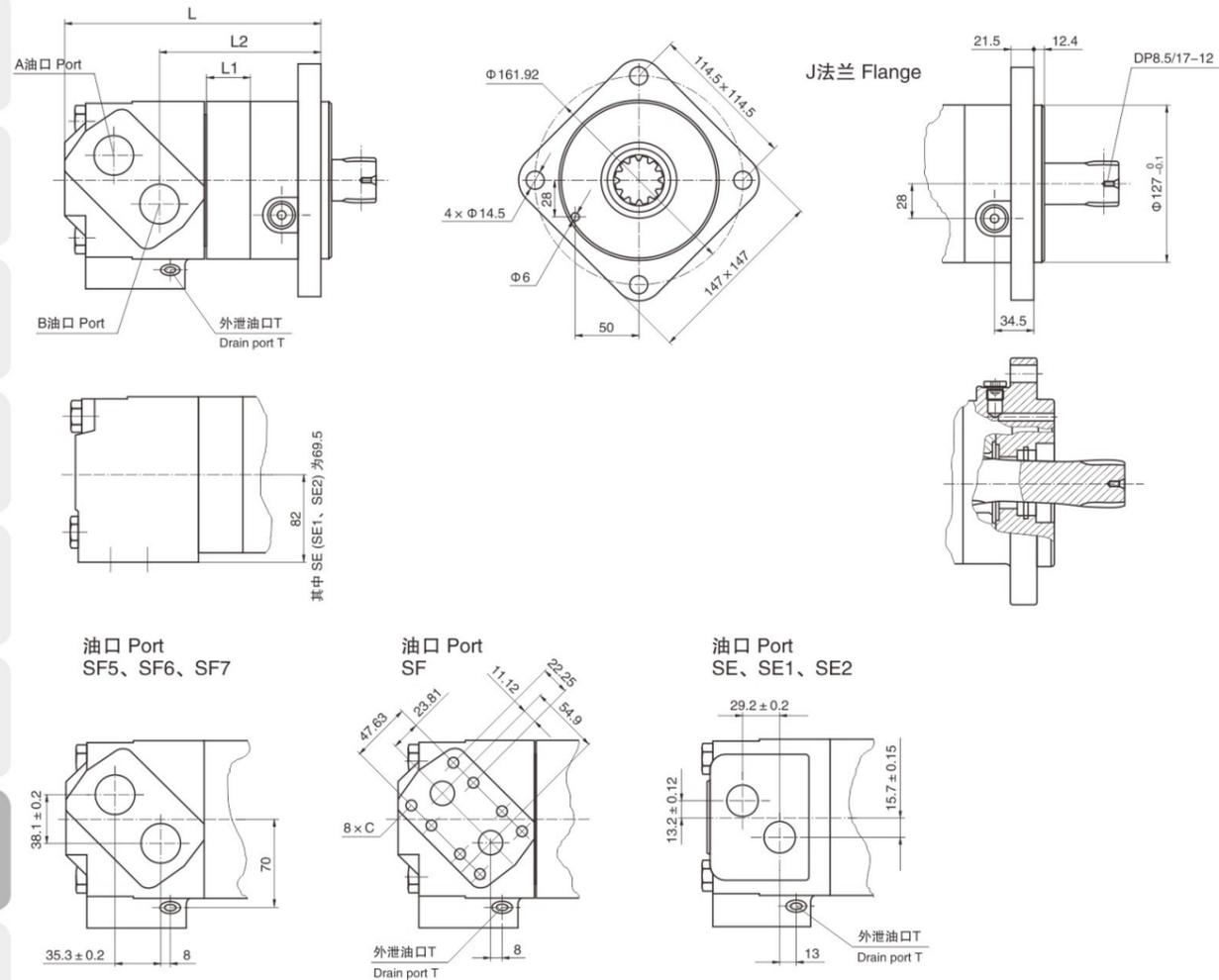
齿侧配合 Fillet Root Side Fit		mm	
齿数 Number of Teeth	Z		16
径节 Diametral Pitch	DP		12/24
压力角 Pressure Angle	α_D		30°
分度圆 Pitch Dia.	D		$\Phi 33.8656$
大径 Major Dia.	D_{ei}		$\Phi 38.4^{+0.25}_0$
小径 Minor Dia.	D_{ii}		$\Phi 32.15^{+0.04}_0$
齿槽宽 Space Width [Circular]	E		4.516±0.037



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

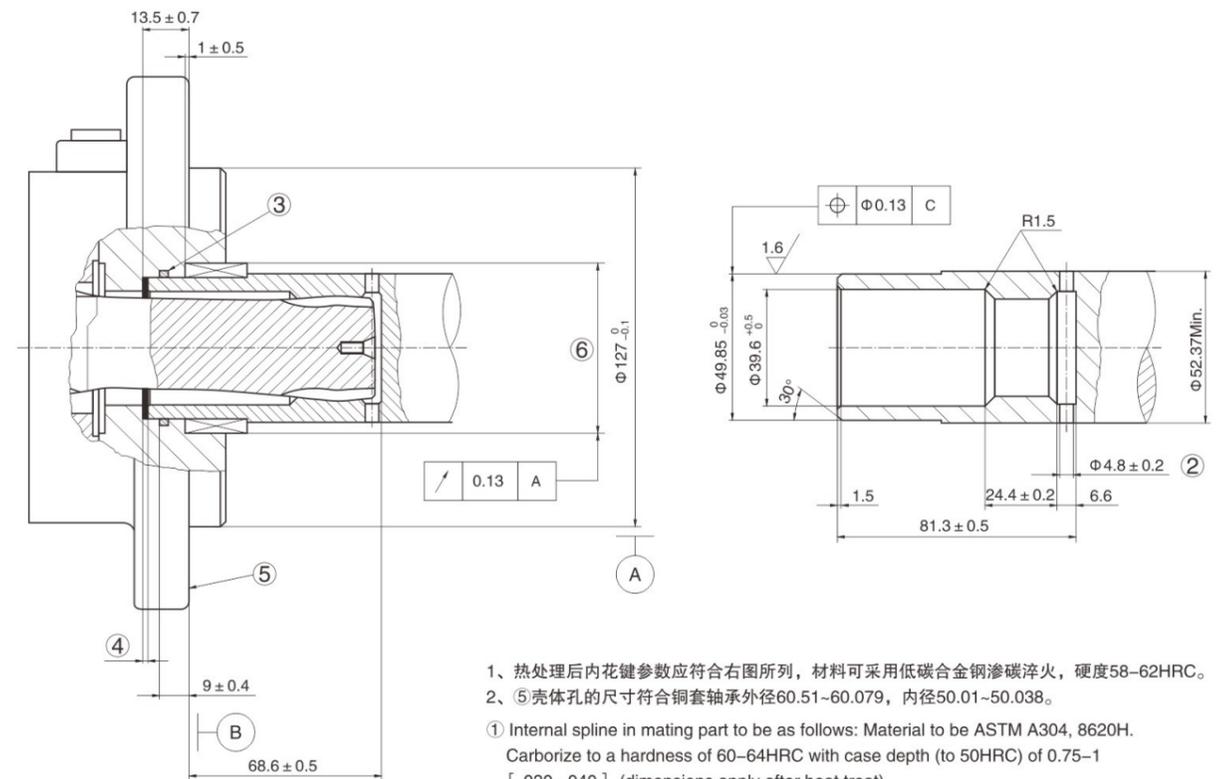
注:
1、以上数据为SF (SF5、SF6、SF7) 油口的数据;
2、SE (SE1、SE2) 油口配WE法兰的数据: L-70, L2-59;
3、转定子厚度为: L1+7;

Note:
1、The data for the port of SF (SF5 and SF6 and SF7).
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)	M33×2(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

OMTJ 安装连接尺寸/ OMTJ Installation Dimensions

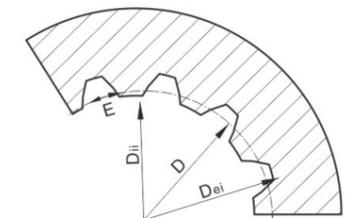


- 1、热处理后内花键参数应符合右图所列，材料可采用低碳合金钢渗碳淬火，硬度58-62HRC。
- 2、⑤壳体孔的尺寸符合铜套轴承外径60.51-60.079，内径50.01-50.038。
- ① Internal spline in mating part to be as follows: Material to be ASTM A304, 8620H. Carborize to a hardness of 60-64HRC with case depth (to 50HRC) of 0.75-1 [.030-.040] (dimensions apply after heat treat).
- 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

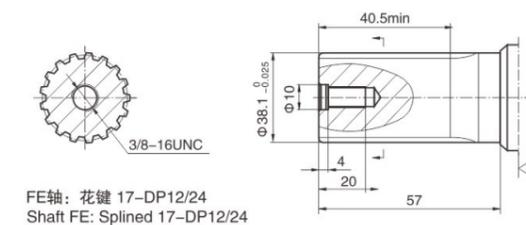
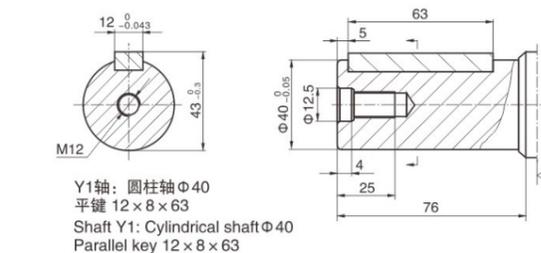
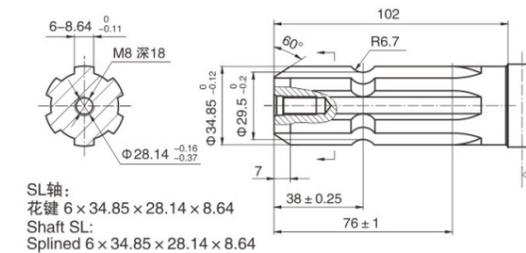
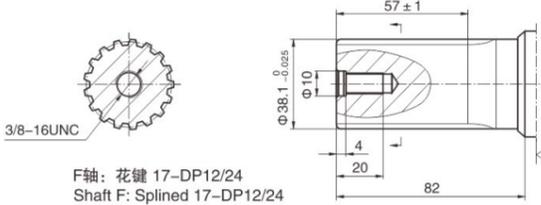
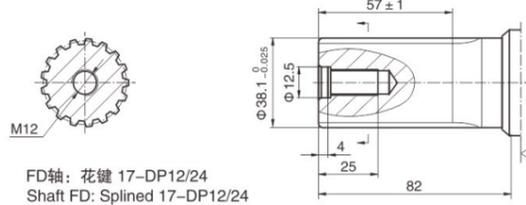
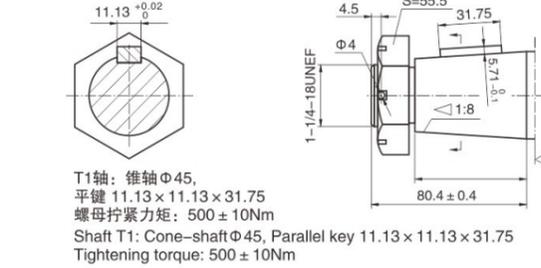
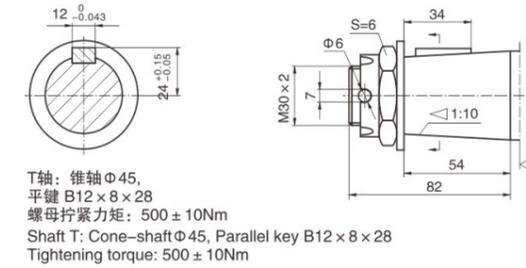
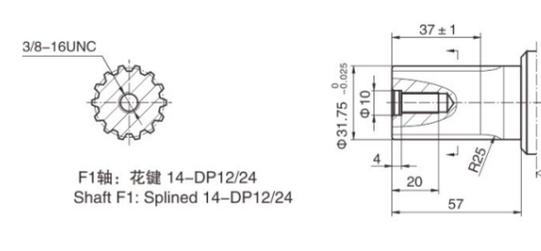
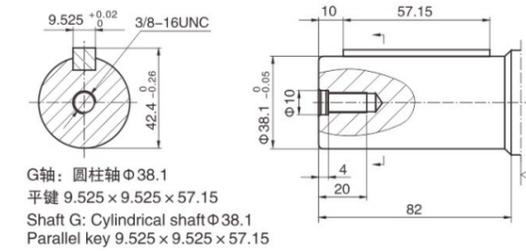
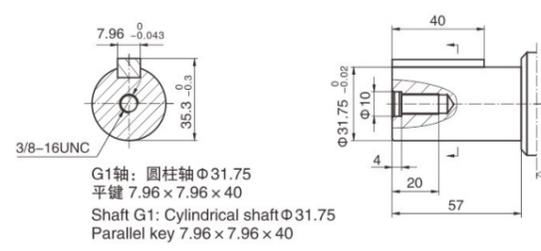
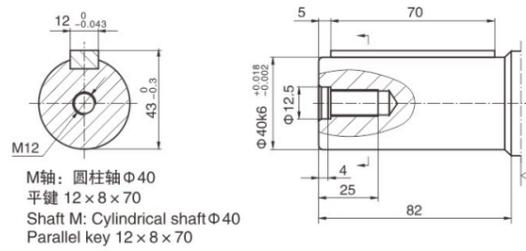
Internal spline data for the attached component

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

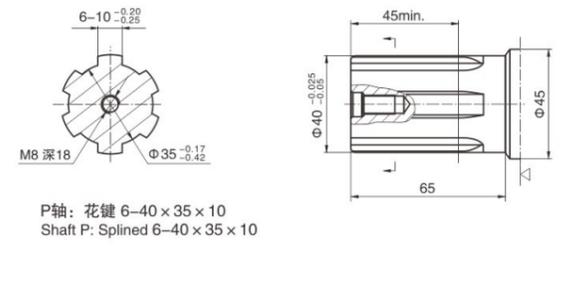
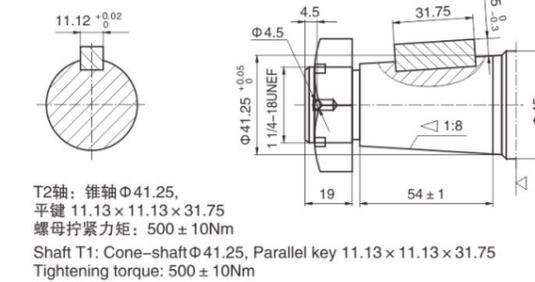
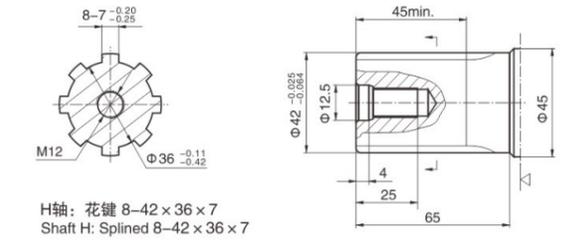
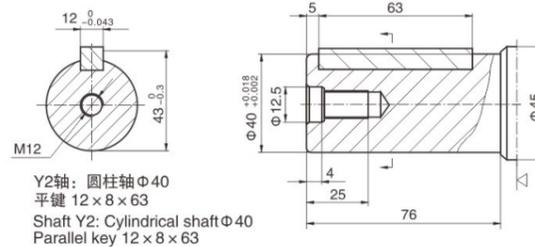
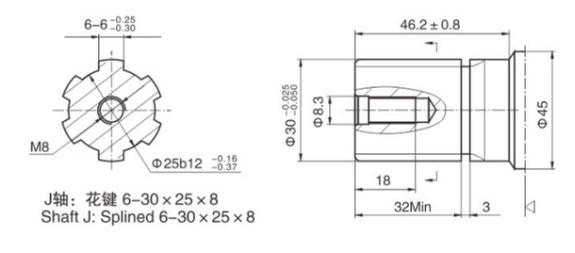
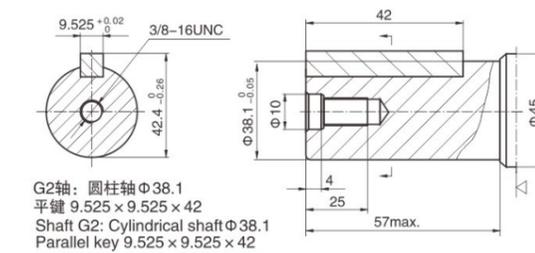
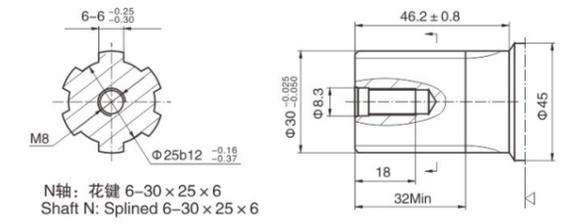
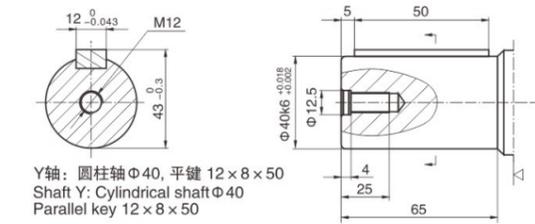
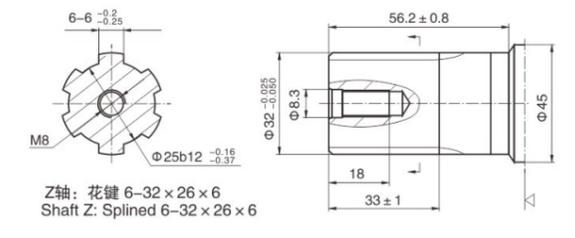
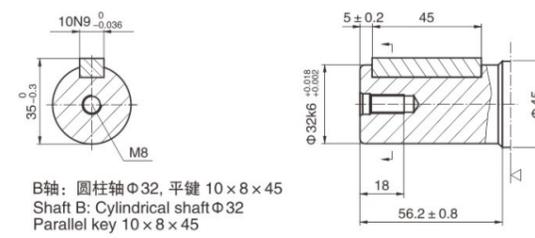
OMT (E、Z) 轴伸连接尺寸/ OMT (E、Z) Output Shaft Dimensions



▷ 马达安装面
Motor Mounting Surface

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

OMT系列/ OMT 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				
OMT	160	4 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 G3/4板式 4-M10, G1/4 M M27×2板式 4-M10, M14×1.5 S 1-1/16-12UN, 9/16-18UNF S1 1-1/16-12UN, 7/16-20UNF G G3/4, G1/4 M3 M27×2, M14×1.5	无	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								
OMTS	630	SL Φ34.85轴, 花键6-34.85×28.14×8.64	SL Φ31.75轴, 平键7.96×7.96×40	G G3/4, G1/4	R 反向	B 黑漆	F 自由转动				
	800	F1 Φ31.75轴, 花键14-DP12/24	F1 Φ31.75轴, 花键14-DP12/24					S 银灰漆	LS 低转速		
		D 4-Φ14圆法兰Φ160, 止口Φ125×8	无								
		E 4-Φ14.5方法兰Φ162, 止口Φ127×10									

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
Type	Displacement	Flange	Output shaft	Ports and drain port	Rotation direction	Paint	Unusually function
OMT	160	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 M M27×2 Manifold Mount, 4-M10, M14×1.5 S 1-1/16-12UN O-ring, 9/16-18UNF S1 1-1/16-12UN O-ring, 7/16-20UNF G G3/4, G1/4 M3 M27×2, M14×1.5	00 Omit B S	No paint Blue Black Silver grey	Omit Standard Free Running Low Speed
	200		G ShaftΦ38.1, parallel key 9.52×9.52×57.15				
	250		F ShaftΦ38.1, splined tooth 17-DP12/24				
	315		FD ShaftΦ38.1, splined tooth 17-DP12/24				
	400		T Cone-shaft 1:10Φ45, parallel key B12×8×28				
	500		T1 Cone-shaft 1:8Φ45, parallel key 11.13×11.13×31.75				
	630		SL ShaftΦ34.85, splined key splined key 6-34.85×28.14×8.64				
	800		G1 ShaftΦ31.75, parallel key 7.96×7.96×40				
			F1 ShaftΦ31.75, splined tooth 14-DP12/24				
	OMTS						
		E 4-Φ14.5Square-flangeΦ162, pilotΦ127×10	Short shaft 16-DP12/24				

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

OMT系列/ OMT 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					
OMTZ	160	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 Φ32轴, 平键10×8×45	D G3/4板式 4-M10, G1/4 M M27×2板式 4-M10, M14×1.5 S 1-1/16-12UN, 9/16-18UNF S1 1-1/16-12UN, 7/16-20UNF G3 G3/4, M10×1 M4 M27×2, M10×1	无	00 不油漆	无	常规				
	200		Y Φ40轴, 平键12×8×50									
	250		Z Φ32轴, 花键6-32×26×6									
	315		N Φ30轴, 花键6-30×25×6									
	400		J Φ30轴, 花键6-30×25×8									
	500		H Φ42轴, 花键8-42×36×7									
OMTS	630	4-Φ13 Square-flange, pilotΦ100×6	P Φ40轴, 花键8-40×35×10	G3 G3/4, M10×1	R 反向	B 黑漆	F 自由转动					
	800		P1 Φ35轴, 花键6-Φ35×29×10					S 银灰漆	LS 低转速			
			D 4-Φ11 Circle-flangeΦ160, pilotΦ125×8									
			E 4-Φ14.5Square-flangeΦ162, pilotΦ127×10									

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					
Type	Displacement	Flange	Output shaft	Ports and drain port	Rotation direction	Paint	Unusually function					
OMTZ	160	2-Φ14 Rhomb-flangeΦ140, pilotΦ100×9 Z4 4-Φ13 Square-flangeΦ160, pilotΦ125×8 B2 4-Φ13 Square-flange, pilotΦ100×6	B ShaftΦ32, parallel key 10×8×45	D G3/4 Manifold Mount 4-M10, G1/4 M M27×2 Manifold Mount 4-M10, M14×1.5 S 1-1/16-12UN, 9/16-18UNF S1 1-1/16-12UN, 7/16-20UNF G3 G3/4, M10×1 M4 M27×2, M10×1	00 Omit B S	No paint Blue Black Silver grey	Omit Standard Free Running Low Speed					
	200		Y ShaftΦ40, parallel key 12×8×50									
	250		Z ShaftΦ32, splined tooth 6-32×26×6									
	315		N ShaftΦ30, splined tooth 6-30×25×6									
	400		J ShaftΦ30, splined tooth 6-30×25×8									
	500		H ShaftΦ42, splined tooth 8-42×36×7									
OMTS	630	4-Φ13 Square-flange, pilotΦ100×6	P ShaftΦ40, splined tooth 8-40×35×10	G3 G3/4, M10×1	R 反向	B 黑漆	F 自由转动					
	800		P1 ShaftΦ35, splined tooth 6-Φ35×29×10					S 银灰漆	LS 低转速			
			D 4-Φ11 Circle-flangeΦ160, pilotΦ125×8									
			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

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 x 12	G2 Φ38.1轴, 平键9.52 x 9.52 x 42 FE Φ38.1轴, 平键17-DP12/24 Y1 Φ40轴, 平键12 x 8 x 63 Y2 Φ40轴, 平键12 x 8 x 63 T2 1: 8锥轴, Φ41.25轴, 平键11.13 x 11.13 x 31.75 H Φ42轴, 花键8-42 x 36 x 7 P Φ40轴, 花键6-40 x 35 x 10	SF 3/4板式* 8-3/8-16UN, 7/16-20UNF SF6 M33 x 2, M14 x 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 标准 R 反向	00 不油漆 无 蓝漆 B 黑漆 S 银灰漆	常规 F 自由转动 LS 低转速
OMTJ		WE 4-1/2-13UNC 车轮法兰Φ147.6, 止口Φ127 x 9 J 4-Φ14.5方法兰Φ161.9, 止口Φ127 x 12.4	T3 1: 8锥轴, Φ41.25轴, 平键11.13 x 11.13 x 31.75 无 12-DP8.5/17				

注: 用户在使用订货信息时, 将马达结构、排量、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
Type	Displacement	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 x 12 WE 4-1/2-13UNC Wheel flange Φ147.6, pilotΦ127 x 9 J 4-Φ14.5 Square-flange Φ161.9, pilotΦ127 x 12.4	G2 ShaftΦ38.1, parallel key 9.52 x 9.52 x 42 FE ShaftΦ38.1, parallel key 17-DP12/24 Y1 ShaftΦ40, parallel key 12 x 8 x 63 Y2 ShaftΦ40, parallel key 12 x 8 x 63 T2 Cone-shaft 1:8Φ41.25, parallel key 11.13 x 11.13 x 31.75 H ShaftΦ42, splined tooth 8-42 x 36 x 7 P ShaftΦ40, splined tooth 6-40 x 35 x 10	SF 3/4", Manifold Mount, 8-3/8-16UNC, 7/16-20UNF SF6 1-5/16-12UN O-ring, 7/16-20 UNF SF7 M33 x 2, M14 x 1.5 SE G1, G1/4 SE1 1-1/16-12UN O-ring, 9/16-18UNF SE2 1-1/16-12UN O-ring, 7/16-20 UNF SF5 G3/4, G1/4	00 No paint Omit Blue B Black S Silver grey	Omit Standard F Free Running LS Low Speed	
OMTJ			T3 Cone-shaft 1:8 Φ41.25, parallel key 11.13 x 11.13 x 31.75 Omit 12-DP8.5/17				

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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OMV系列/ OMV Serie

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 (cm ³ /rev.) Geometric displacement	333	419	518	666	801	990
最高转速 (rpm) Max. speed	额定 rated	335	270	215	170	105
	连续 cont.	510	500	400	320	200
	断续 int.	630	600	480	380	240
最大扭矩 (N.m) Max. torque	额定 rated	730	1020	1210	1422	1590
	连续 cont.	920	1180	1460	1660	1880
	断续 int.	1110	1410	1760	1940	2110
最大输出功率 (kw) Max. output	额定 rated	47	47	47	40	33
	连续 cont.	38	47	47	40	33
	断续 int.	46	56	56	56	44
最高工作压力 Max. pressure drop (MPa)	额定 rated	16	16	16	16	14
	连续 cont.	20	20	20	18	16
	断续 int.	24	24	24	21	18
最大流量 (L/min) Max. flow	额定 rated	110	110	110	110	110
	连续 cont.	160	200	200	200	200
	断续 int.	200	240	240	240	240
最高进油压力 Max. inlet pressure (MPa)	额定 rated	21	21	21	21	21
	连续 cont.	21	21	21	21	21
	断续 int.	25	25	25	25	25
重量 Weight (kg)	额定 rated	31.8	32.6	33.5	34.9	36.5
	连续 cont.	31.8	32.6	33.5	34.9	36.5
	断续 int.	31.8	32.6	33.5	34.9	36.5

* 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;

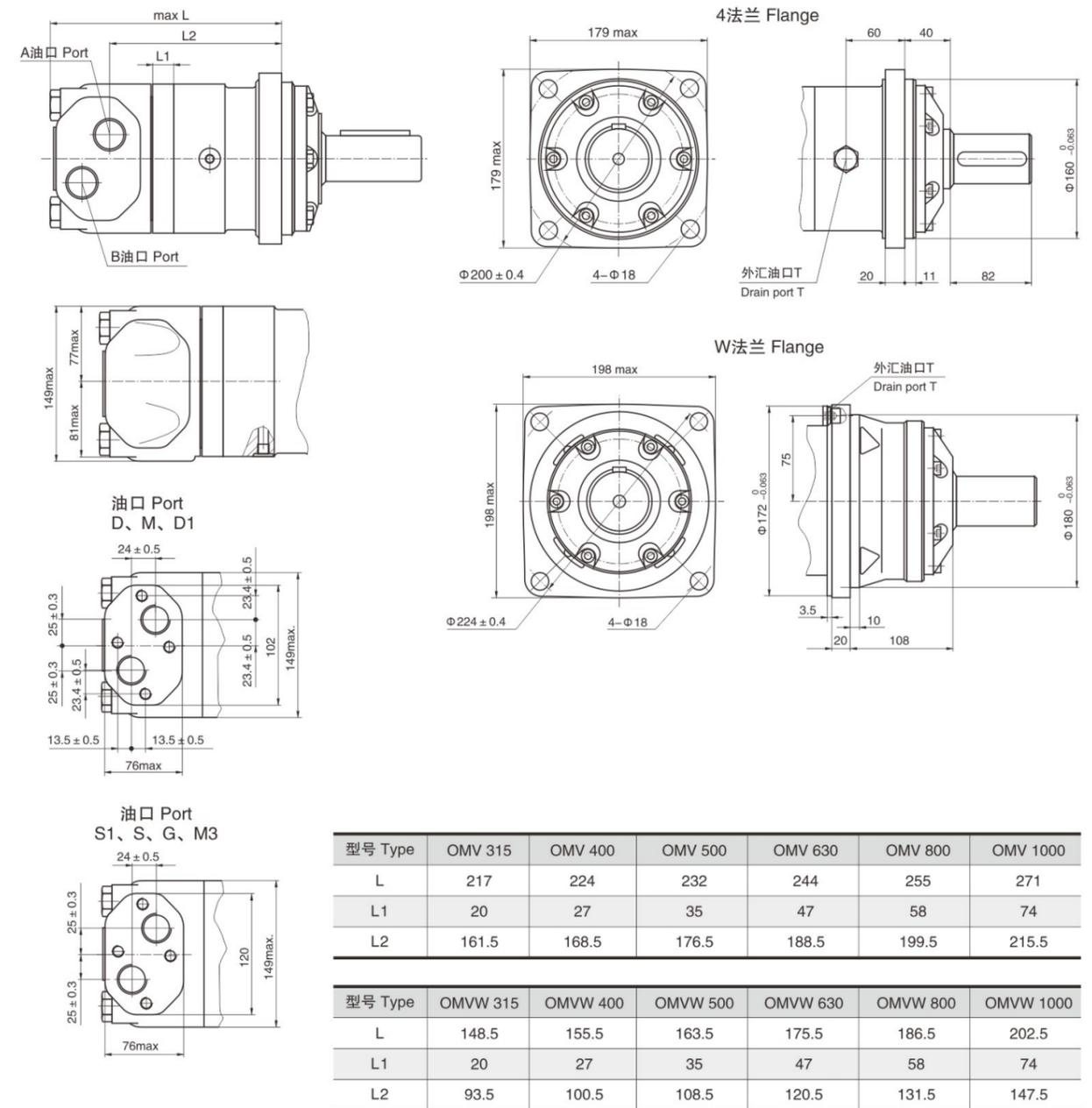
* Continuous pressure: Max.value of operating motor continuously;

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

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

OMV系列/ OMV Serie

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

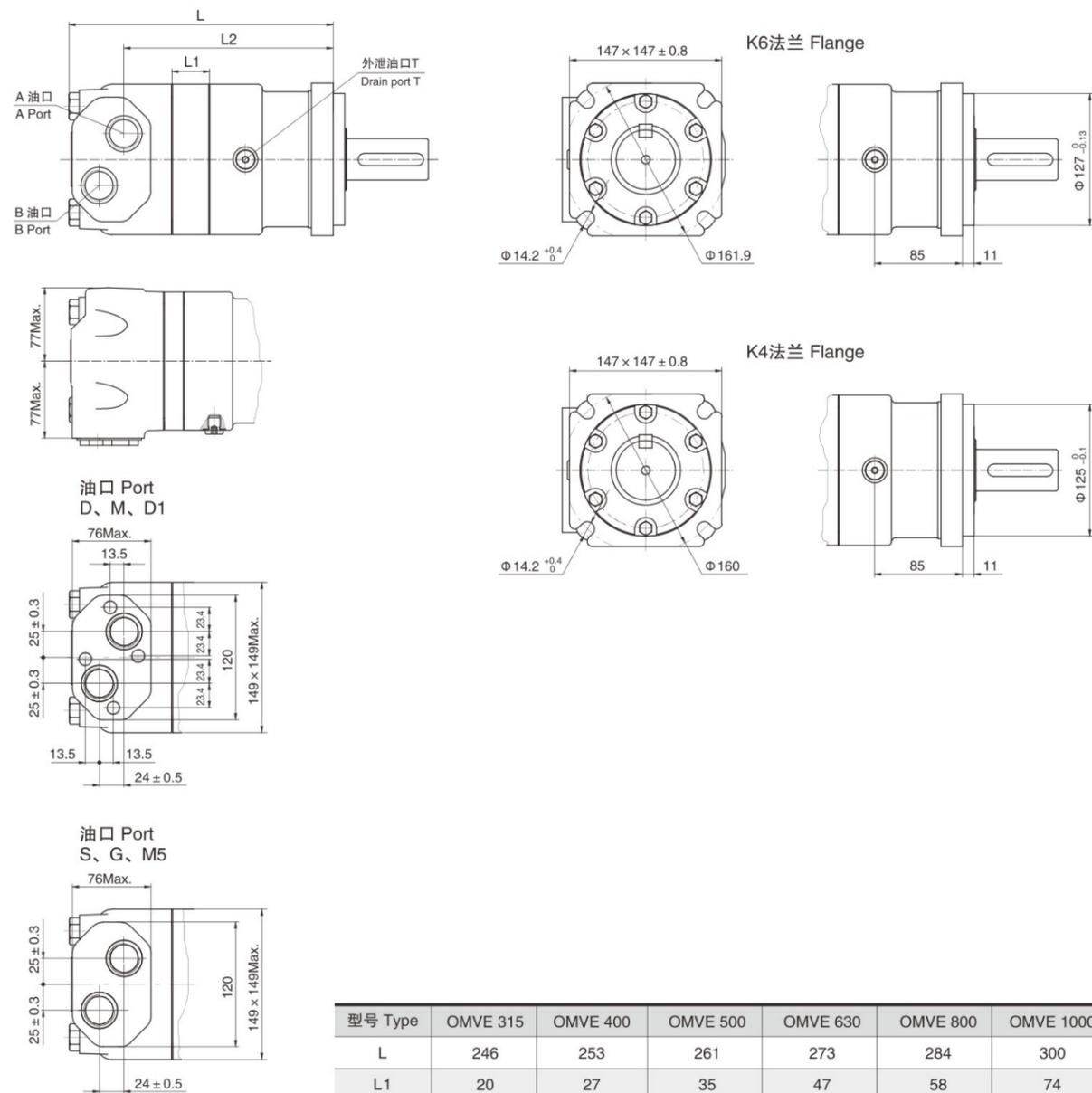
型号 Type	OMVW 315	OMVW 400	OMVW 500	OMVW 630	OMVW 800	OMVW 1000
L	148.5	155.5	163.5	175.5	186.5	202.5
L1	20	27	35	47	58	74
L2	93.5	100.5	108.5	120.5	131.5	147.5

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)

OMV系列/ OMV Serie

OMVE 安装连接尺寸/ OMVE Installation Dimensions



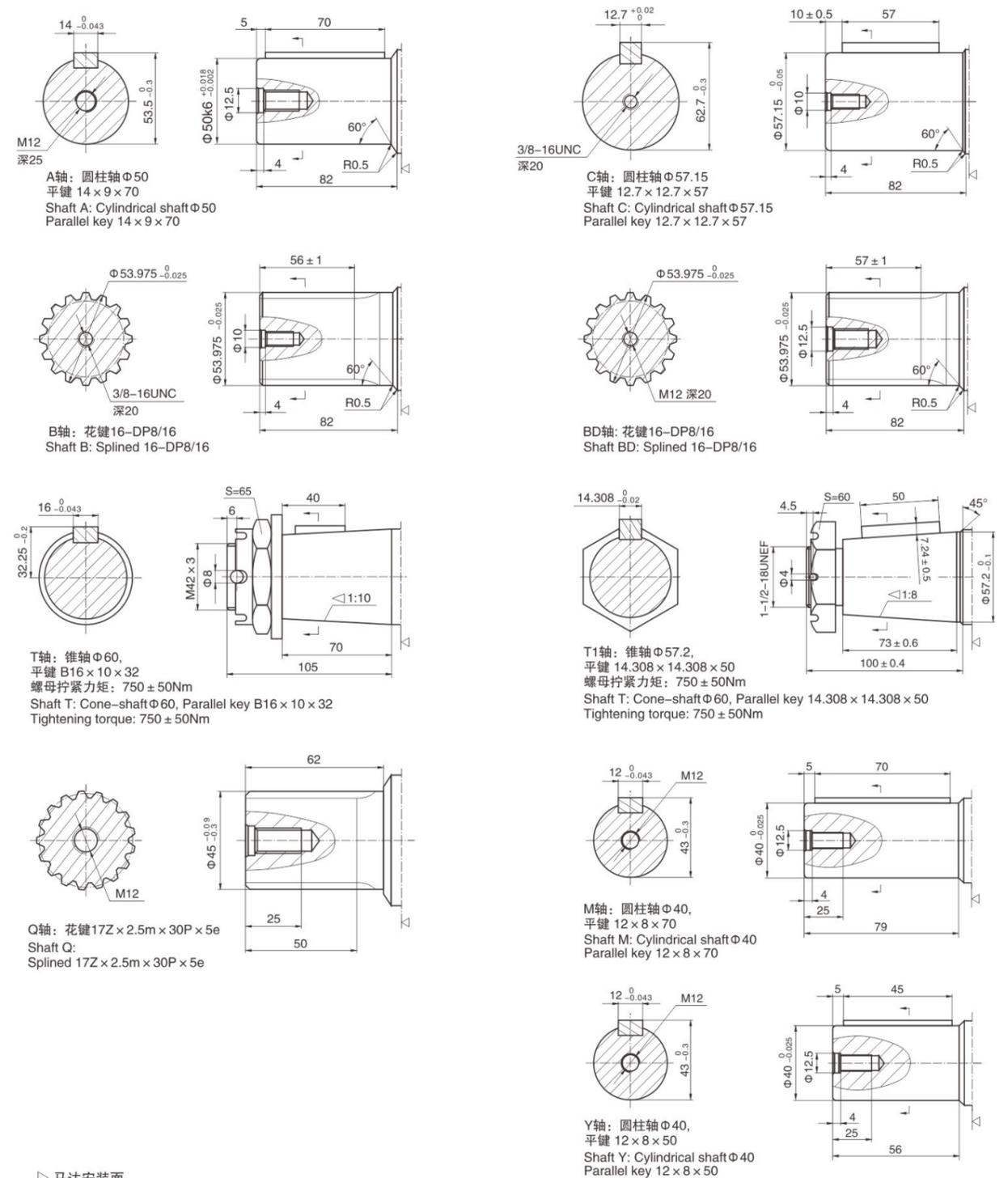
型号 Type	OMVE 315	OMVE 400	OMVE 500	OMVE 630	OMVE 800	OMVE 1000
L	246	253	261	273	284	300
L1	20	27	35	47	58	74
L2	189	196	204	216	227	243

注：1、转定子厚度为：L1+7
Note: The thickness of the stator and rotor 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)	M5(深) (depth)	D1(深) (depth)
P (A,B)		G1 (18)	M33 x 2 (18)	1-5/16-12UNC (18)	G1 (18)	M33 x 2 (18)	G3/4 (18)
T		G1/4 (12)	M14 x 1.5 (12)	9/16-18UNF (12)	G1/4 (12)	M14 x 1.5 (12)	G1/4 (12)
C		4-M12 (12)	4-M12 (12)	-	-	-	4 x M12 (12)

OMV系列/ OMV Serie

OMV 轴伸连接尺寸/ OMV Output Shaft Dimensions



▷ 马达安装面
Motor Mounting Surface

OMV系列/ OMV 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				
OMV	315	4 4-φ18 法兰φ200, 止口φ160×11 W 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	无				
	400		BD φ53.975 轴, 花键16-DP8/16					不油漆			
	500		B φ53.975 轴, 花键16-DP8/16					无	蓝漆		
	630		C φ57.15 轴, 平键12.7×12.7×57.15					标准	无	黑漆	
	800		T φ60 锥轴, 平键B16×10×32					R	反向	无	
	1000		T1 φ57.2 锥轴, 平键14.308×14.308×50.8								常规
			Q φ45 轴, 花键17Z×2.5×30P×5e								
OMVE	K6	4-φ14.2 方法兰φ162, 止口φ127×11	M M型φ40 轴, 平键12×8×70								
	K4	4-φ14.2 方法兰φ160, 止口φ125×11	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。

1	2	3	4	5	6	7	8	
Type	Displacement	Flange	Output shaft	Ports and drain port	Rotation direction	Paint	Unusually function	
OMV	315 400 500 630 800 1000	4 4-φ18 Square-flange φ200, pilot φ160×11 W 4-φ18 Wheel-flange φ224, pilot φ180×10	A Shaft φ50, 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	00 Omit B S	No paint Blue Black Silver grey	Omit Standard	
			BD Shaft φ53.975, splined key 16-DP8/16					Unusually function
			B 4-φ18 Square-flange φ200, pilot φ160×11					
			C Shaft φ57.15, parallel key 12.7×12.7×57.15					
			T Cone shaft φ60, parallel key 16×10×32					
			T1 Cone shaft φ57.2, parallel key 14.308×14.308×50.8					
			Q Shaft φ45, splined key 17Z×2.5×30P×5e					
OMVE	K6 K4	4-φ14.2 Square-flange φ162, pilot φ127×11	M M type Shaft φ40, parallel key 12×8×70					
		4-φ14.2 Square-flange φ160, pilot φ125×11	Y Y type Shaft φ40, 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.

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OMK6系列/ OMK6 Serie

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 (cm ³ /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;

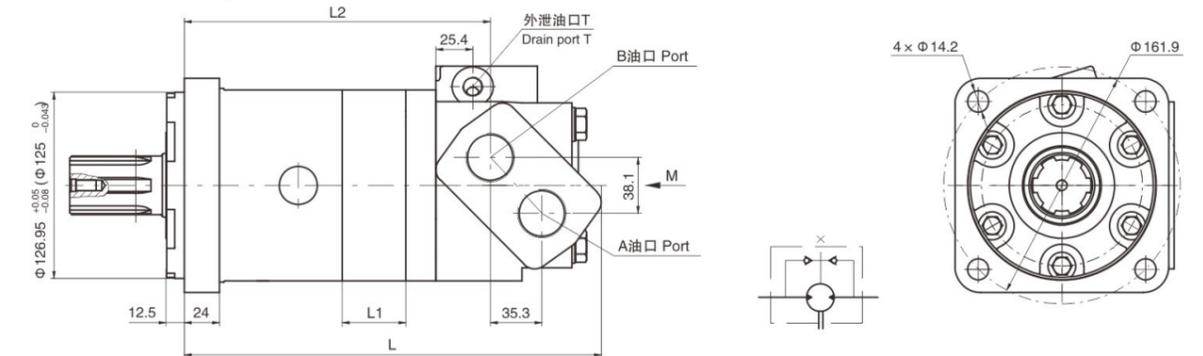
* Intermittent pressure: Max.value of operating motor in 6 seconds per minute;

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

OMK6系列/ OMK6 Serie

OMK6 安装连接尺寸/ OMK6 Installation Dimensions

CC、CC1法兰 Flange

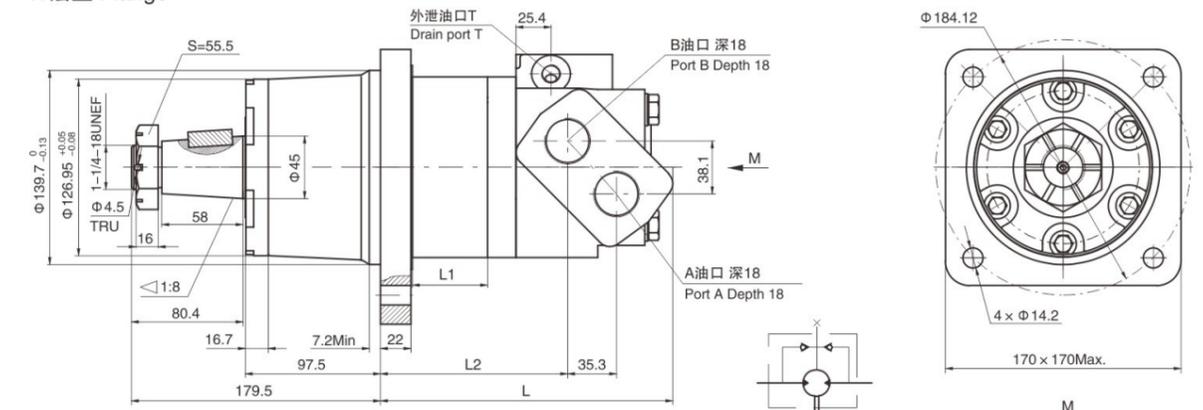


型号 Type	L	L1	L2
OMK6-200	265	21.7	187.5
OMK6-250	271	27.3	193.1
OMK6-315	278	34.5	200.3
OMK6-400	287	43.4	209.2
OMK6-500	298	54.4	220.2
OMK6-630	313	69.1	234.9
OMK6-800	333	89	254.8
OMK6-1000	353	108.9	274.7

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。

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.

W法兰 Flange



型号 Type	L	L1	L2
OMK6-200	179	21.7	102.5
OMK6-250	185	27.3	108
OMK6-315	192	34.5	115.5
OMK6-400	201	43.4	124.5
OMK6-500	212	54.4	135.5
OMK6-630	226.7	69.1	150.2
OMK6-800	246.5	89	170
OMK6-1000	266.5	108.9	190

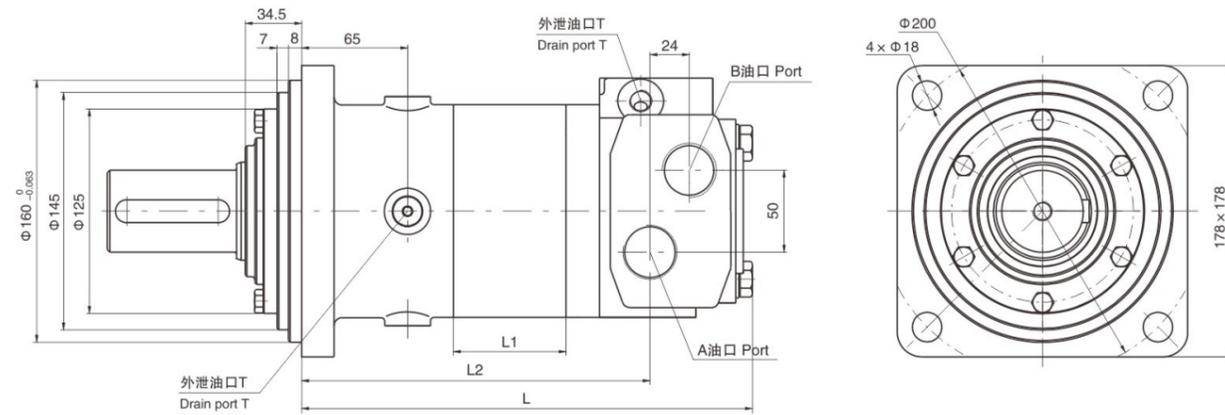
输出轴的旋转方向：标准
当面对马达轴伸方向，A油口为高压油时，
输出轴顺时针方向旋转；
反之，则逆时针方向旋转。

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.

OMK6系列/ OMK6 Serie

OMK6 安装连接尺寸/ OMK6 Installation Dimensions

J6法兰 Flange



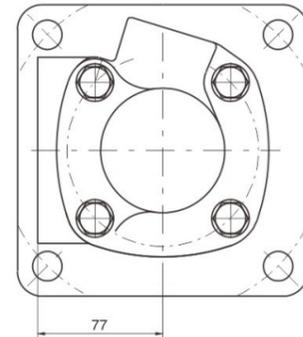
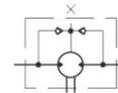
型号 Type	L	L1	L2
OMK6-200	230	21.7	166
OMK6-250	236	27.3	172
OMK6-315	243	34.5	179
OMK6-400	252	43.4	188
OMK6-500	263	54.4	199
OMK6-630	277.5	69.1	213.5
OMK6-800	297.5	89	233.5
OMK6-1000	317.5	108.9	253.5

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。

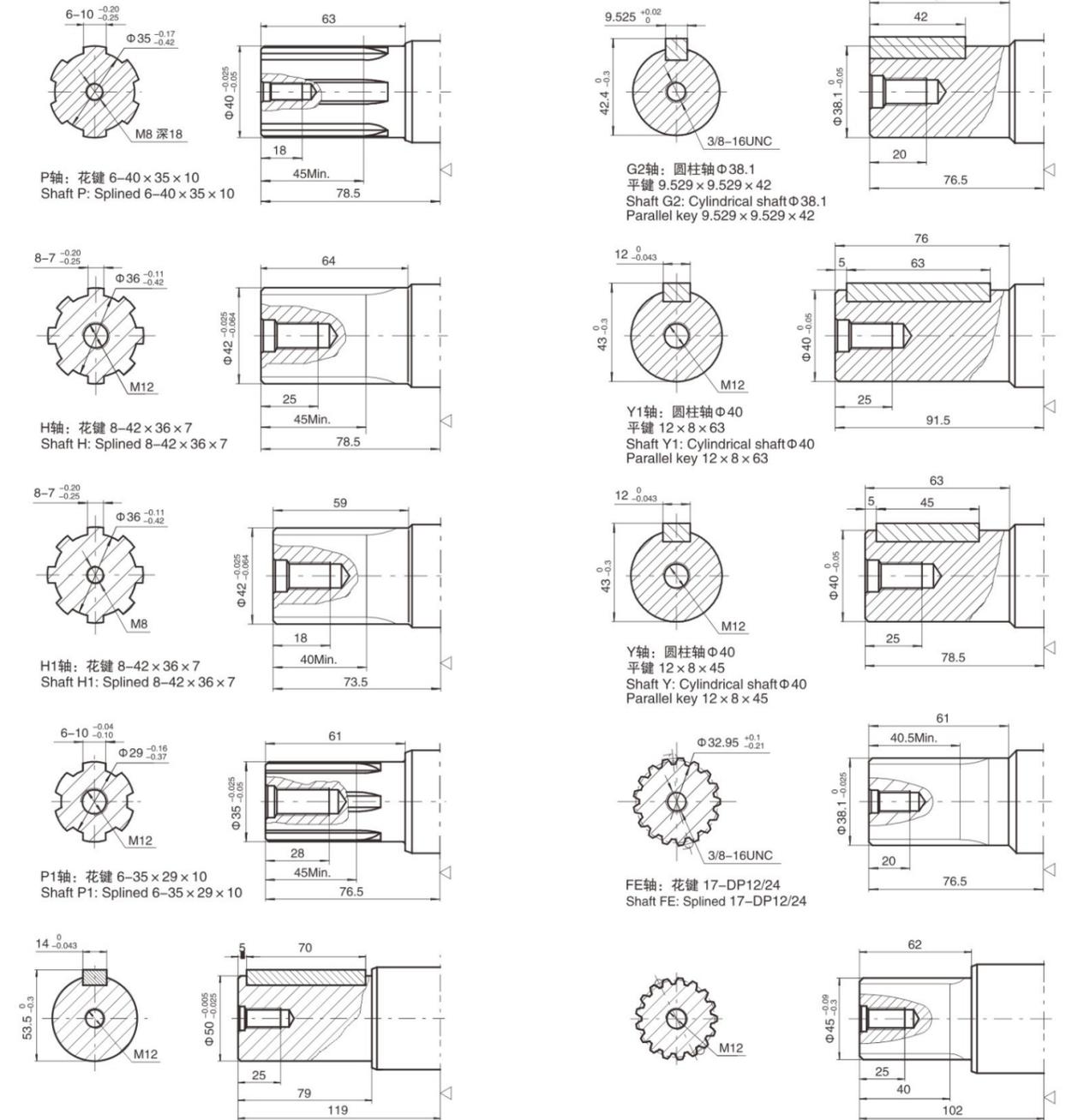
Direction of shaft rotation: Standard

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系列/ OMK6 Serie

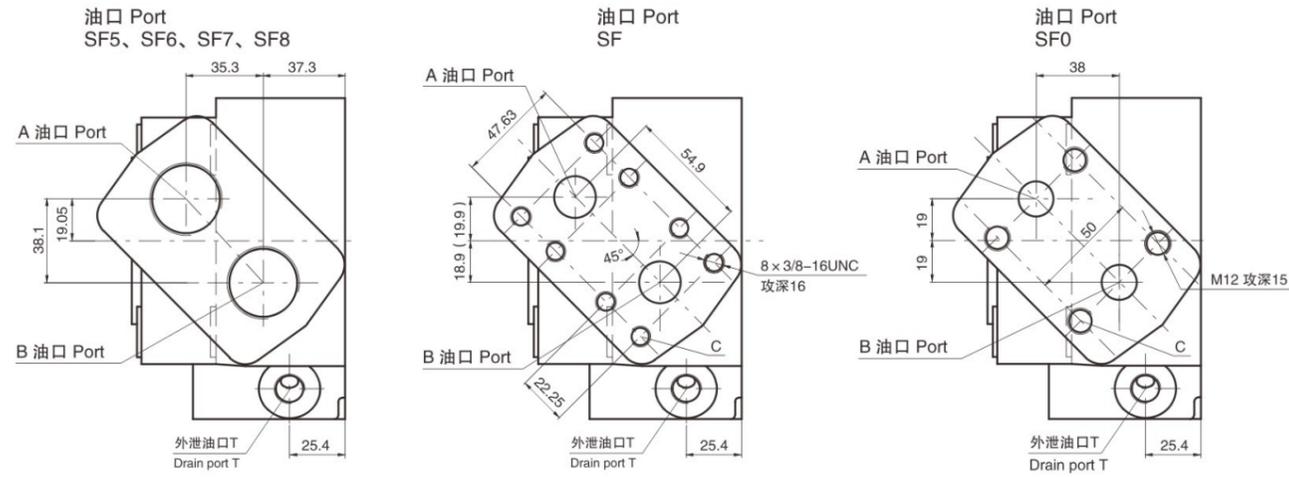
OMK6 轴伸连接尺寸/ OMK6 Output Shaft Dimensions



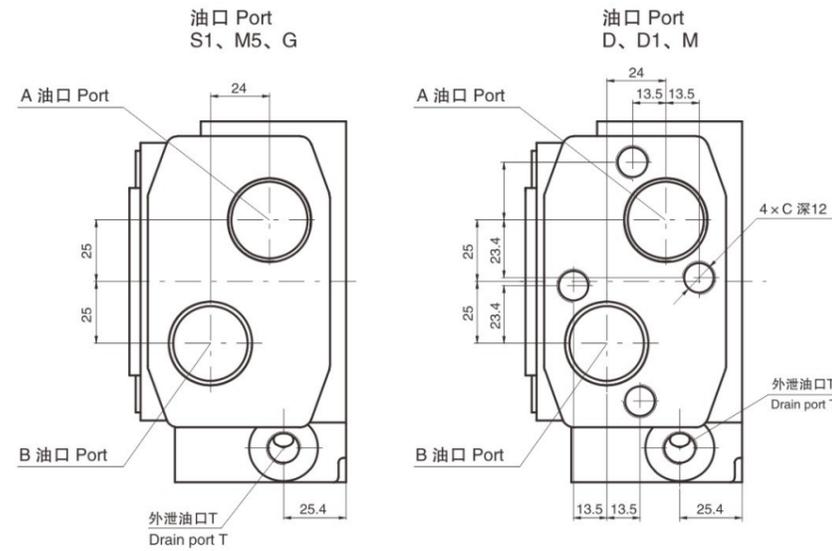
▶ 马达安装面
Motor Mounting Surface

OMK6系列/ OMK6 Serie

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 x 2 (18)	G1 (18)	G3/4 (18)	Φ19.05	Φ16
T		7/16-20UNF (12)	M14 x 1.5 (12)	G1/4 (12)	G1/4 (12)	7/16-20UNF (18)	M14 x 1.5 (12)
C		-	-	-	-	8 x 3/8-16UNC	4 x 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)		1-5/16-12UN(18)	M33 x 2(18)	G1(18)	G1(18)	G3/4(18)	M33 x 2(18)
T		7/16-20UNF(12)	M14 x 1.5(12)	G1/4(12)	G1/4(12)	G1/4(12)	M14 x 1.5(12)
C		-	-	-	4 x M12	4 x M12	4 x M12

OMK6系列/ OMK6 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
OMK6	200 250 315 400 500 630 800 1000	CC 4-Φ14.2 方法兰Φ161.9, 止口Φ127 x 12.5 CC1 4-Φ14.2 方法兰Φ161.9, 止口Φ125 x 12.5 W 4-Φ14.2 车轮法兰Φ184.12, 止口Φ139.7 J6 4 x Φ18 方法兰Φ200, 止口Φ160 x 8	G2 Φ38.1 轴, 平键9.52 x 9.52 x 57.15 FE Φ38.1 轴, 花键17-DP12/24 Y1 Φ40 轴, 平键12 x 8 x 63 Y Φ40 轴, 平键12 x 8 x 50 H Φ42 轴, 花键8-42 x 36 x 7 H1 Φ42 轴, 花键8-42 x 36 x 7 P Φ40 轴, 花键6-40 x 35 x 10 P1 Φ35 轴, 花键6-35 x 29 x 10 A Φ50 轴, 平键14 x 9 x 70 Q Φ45 轴, 花键17Z x 2.5 x 30P x 5e	SF 3/4" 板式 4 x 3/8-16UNF, 7/16-20UNF SF0 Φ16 板式 4 x M12, M14 x 1.5 SF5 1-5/16-12UN, 7/16-20UNF SF6 M33 x 2, M14 x 1.5 SF7 G1, G1/4 SF8 G3/4, G1/4 S1 1-5/16-12UN, 7/16-20UNF M5 M33 x 2, M14 x 1.5 G G1, G1/4 D G1 板式 4 x M12, G1/4 D1 G3/4 板式 4 x M12, G1/4 M M33 x 2 板式 4 x M12, M14 x 1.4	无 R	00 不油漆 无 蓝漆 B 黑漆 S 银灰漆	无 常规

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
Type	Displacement	Flange	Output shaft	Ports and drain port	Rotation direction	Paint	Unusually function
OMK6	200 250 315 400 500 630 800 1000	CC 4-Φ14.2 Square-flange Φ161.9, pilot Φ127 x 12.5 CC1 4-Φ14.2 Square-flange Φ161.9, pilot Φ125 x 12.5 W 4-Φ14.2 Wheel-flange Φ184.12, pilot Φ139.7 J6 4 x Φ18 Square-flange Φ200, pilot Φ160 x 8	G2 Shaft Φ38.1, parallel key 9.52 x 9.52 x 57.15 FE Shaft Φ38.1, spined key 17-DP12/24 Y1 Shaft Φ40, parallel key 12 x 8 x 63 Y Shaft Φ40, parallel key 12 x 8 x 50 H Shaft Φ42, spined key 8-42 x 36 x 7 H1 Shaft Φ42, spined key 8-42 x 36 x 7 P Shaft Φ40, spined key 6-40 x 35 x 10 P1 Shaft Φ35, spined key 6-35 x 29 x 10 A Shaft Φ50, parallel key 14 x 9 x 70 Q Shaft Φ45, spined key 17Z x 2.5 x 30P x 5e	SF 3/4" Manifold Mount 4 x 3/8-16UNF, 7/16-20UNF SF0 Φ16 Manifold Mount 4 x M12, M14 x 1.5 SF5 1-5/16-12UN, 7/16-20UNF SF6 M33 x 2, M14 x 1.5 SF7 G1, G1/4 SF8 G3/4, G1/4 S1 1-5/16-12UN, 7/16-20UNF M5 M33 x 2, M14 x 1.5 G G1, G1/4 D G1 Manifold Mount 4 x M12, G1/4 D1 G3/4 Manifold Mount 4 x M12, G1/4 M M33 x 2 Manifold Mount 4 x M12, M14 x 1.4	00 Omit B S	00 Blue Black Silver grey	Omit Standard

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 (cm ³ /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	141
	连续 cont.	509	502	497	459	372	301	231	166
	断续 int.	603	598	574	574	465	376	289	192
最大扭矩 (N.m) Max. torque	额定 rated	104	164	205	256	316	335	437	465
	连续 cont.	103	203	254	317	391	359	437	465
	断续 int.	88.6	160	200	250	308	333	473	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
	连续 cont.	5.5	10.7	13.2	15.2	15.2	11.3	10.6	8.1
	断续 int.	5.6	10	12	15	15	13.1	14.3	10.5
最高工作压差 Max. pressure drop (MPa)	额定 rated	14	14	14	14	14	12	12	10
	连续 cont.	14	17.5	17.5	17.5	17.5	13	12	10
	断续 int.	17.5	20	20	20	20	17.5	13	11
最大流量 (L/min) Max. flow	额定 rated	26	40	50	55	55	55	55	55
	连续 cont.	27	42	52	60	60	60	60	65
	断续 int.	32	50	60	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.

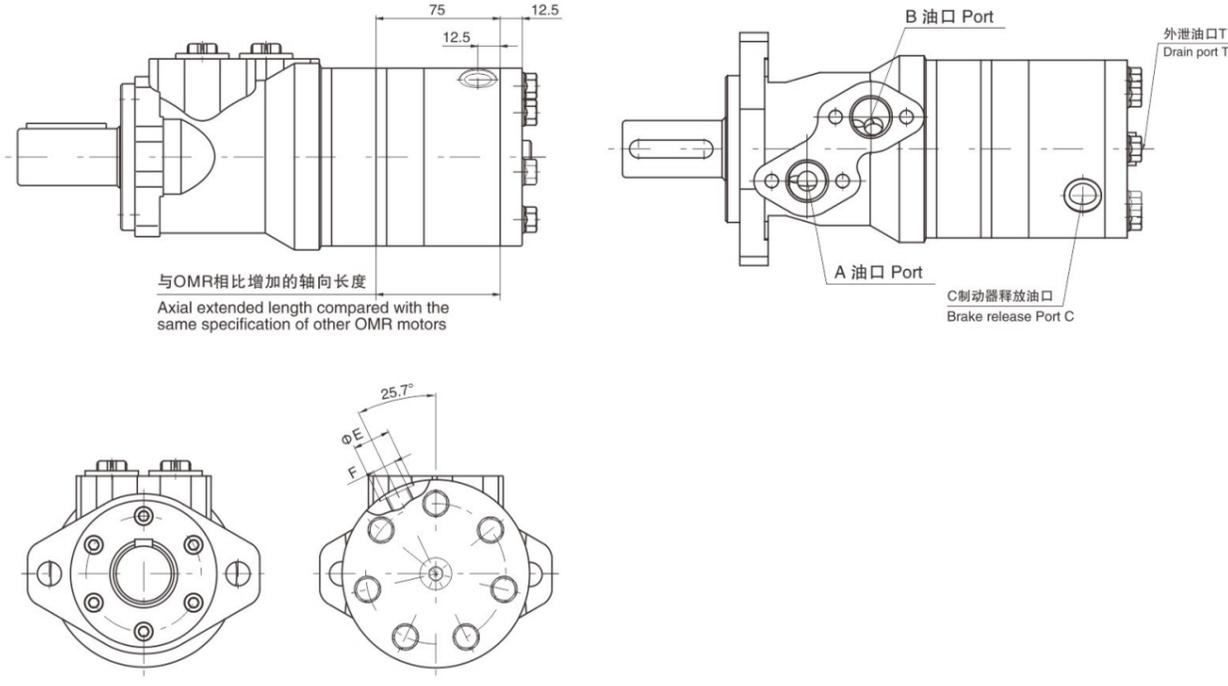
* Peak pressure: Max.value of operating motor in 0.6 second per minute.

* Such kind of brake is only used in static parking brake. Dynamic braking is 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

OMR-BK01 油口连接尺寸/ OMR-BK01 Oil port Connection Dimensions



C油口代号 Model Port C	ΦE	F
G	22	G1/4深 Depth 9

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.

OMR-BK01系列/ OMR-BK01 Serie

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 80 100 125 160 200 250 315 375	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 B Φ32 轴，平键10×8×45 C Φ25.4 轴，平键6.35×6.35×31.75 E Φ25.4 轴，花键SAE 6B R Φ25.4 短轴，平键6.35×6.35×31.75 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 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	G G1/4深9 总平Φ22	无 R 反向	00 不油漆 无 蓝漆 B 黑漆 S 银灰漆	常规 N 大径向力 O 无外泄

注：用户在使用订货信息时，将马达结构、排量、安装法兰、排量、进出油口等信息，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	Displacement	Flange	Output shaft	Ports and drain port	Brake release Port	Rotation direction	Paint	Unusually function
OMR-BK01	50 80 100 125 160 200 250 315 375	2-Φ13.5 Rhomb-flange, pilotΦ82.5×8 4-Φ13.5 Rhomb-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 ShaftΦ25.4, parallel Key 6.35×6.35×31.75 C ShaftΦ25.4, splined tooth SAE 6B E Short shaftΦ25.4, parallel Key 6.35×6.35×31.75 R ShaftΦ32, parallel Key 10×8×45 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 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 facingΦ22	00 No paint Omit Blue B Black S Silver grey	Omit Standard N Big radial force O No case drain	

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 (cm ³ /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
	断续 int.	490	470	425	365	350	315	270	240	220	195	170	138
最大扭矩 (N.m) Max. torque	连续 cont.	325	450	530	625	700	810	905	990	1010	1085	980	1015
	断续 int.	380	525	600	710	790	930	1035	1140	1180	1180	1240	1250
	峰值 peak	450	590	750	870	980	1120	1285	1360	1360	1260	1380	1380
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
	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
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	19	17.5	14	12	10.5
	断续 int.	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
最大流量 (L/min) Max. flow	连续 cont.	45	60	70	70	75	80	80	75	75	75	75	75
	断续 int.	60	75	85	85	90	95	95	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;

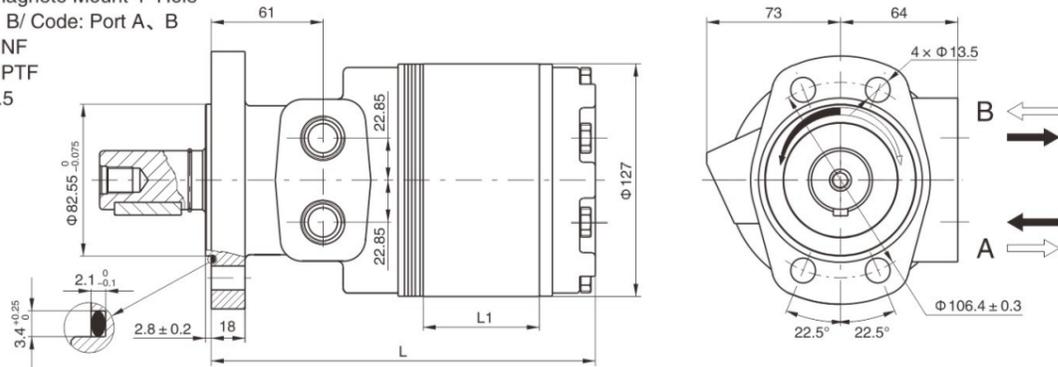
* Intermittent prssure: Max.value of operating motor in 6 seconds per minute;

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

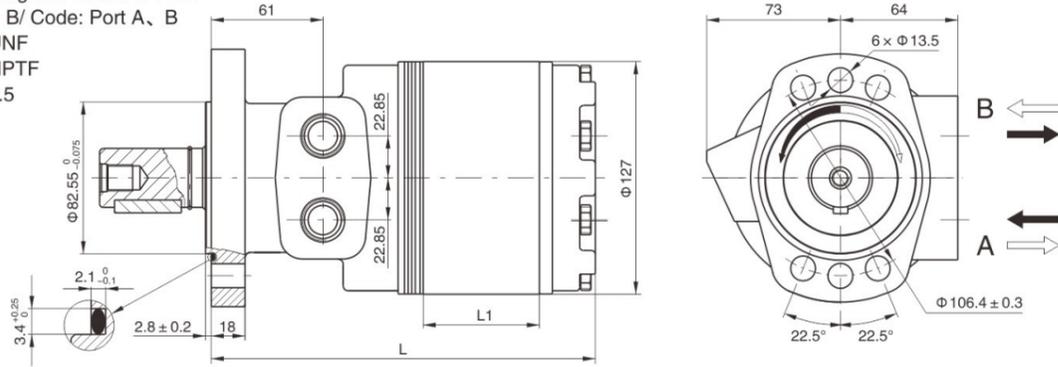
OMER系列/ OMER Serie

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

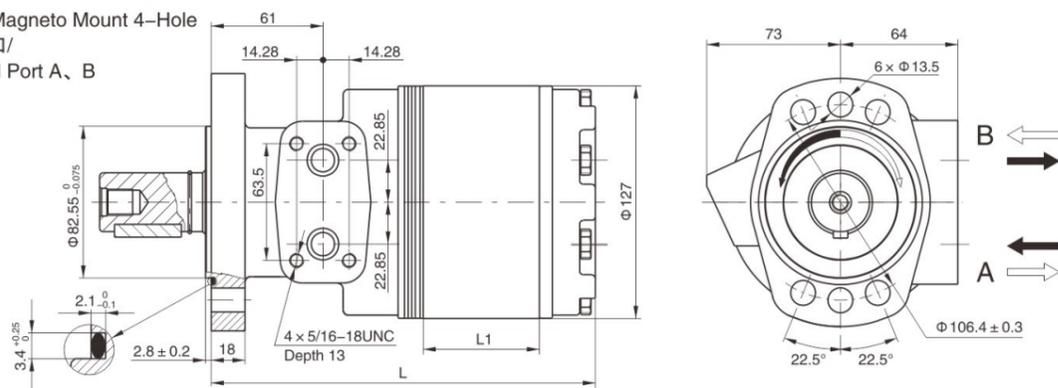
4孔腰型法兰/ Magneto Mount 4-Hole
 代号: 油口 A、B/ Code: Port A、B
 MS 7/8-14UNF
 MP 1/2-14NPTF
 MG M22 x 1.5
 MD G1/2



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
 FH $\Phi 12.7$

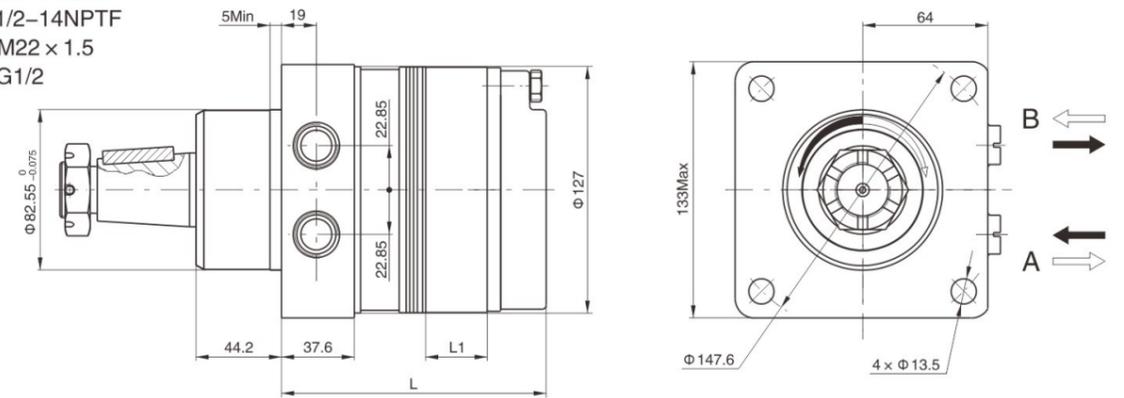


排量 Displacement (cm ³ /rev.)	125	160	200	230	250	300	350	375	400	475	540	650	750
L1(mm)	10.2	13.5	17	19.5	22	25.4	29.5	31.8	35.5	39.4	47.3	57	63.5
L(mm)	159	162	165.5	168	170.5	174	178	180.5	184	188	196	204	212
重量 Weight (kg)	10.6	10.9	11.2	11.3	11.4	11.6	12	12.5	12.7	13	13.5	14.5	15

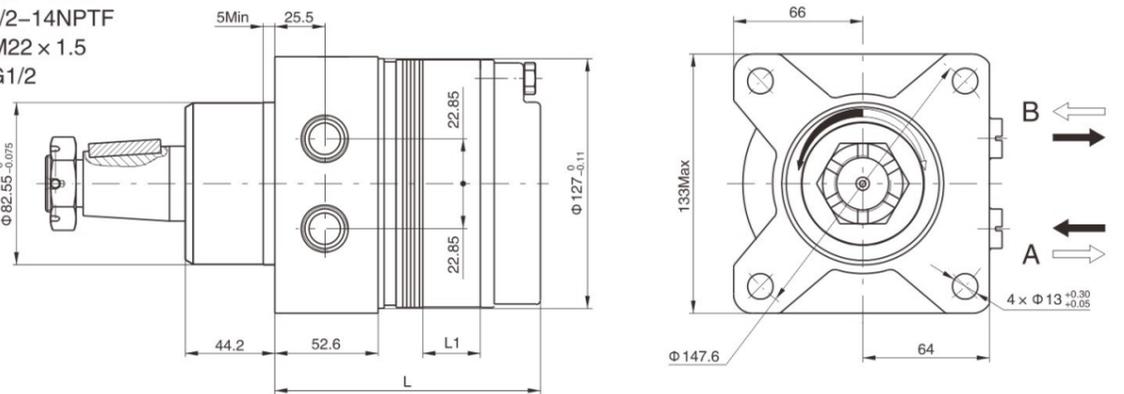
OMER系列/ OMER Serie

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 x 1.5
 WD G1/2



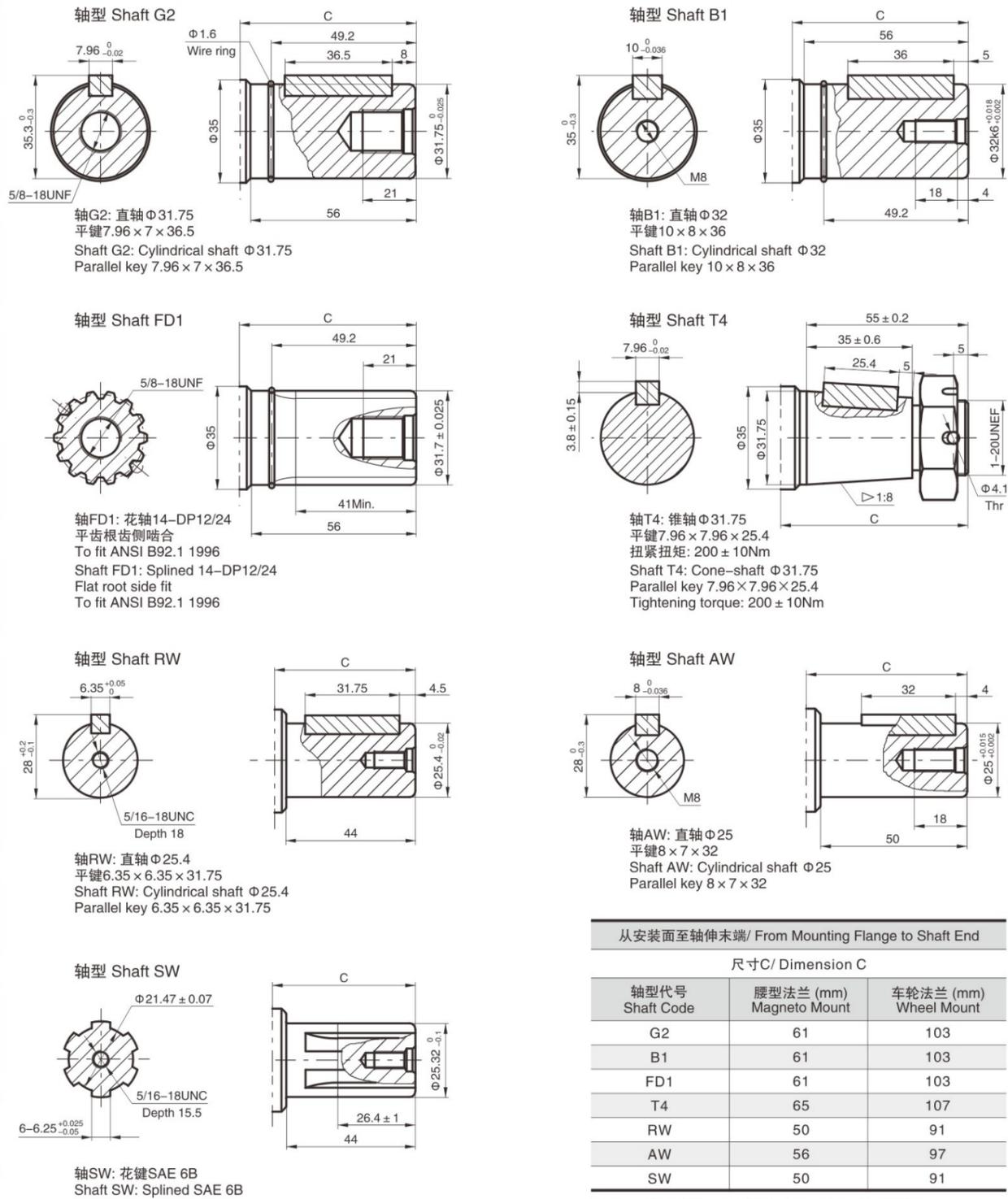
车轮安装法兰/ Wheel Mount
 代号: 油口 A、B/ Code: Port A、B
 TS 7/8-14UNF
 TP 1/2-14NPTF
 TG M22 x 1.5
 TD G1/2



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)	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系列/ OMER Serie

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

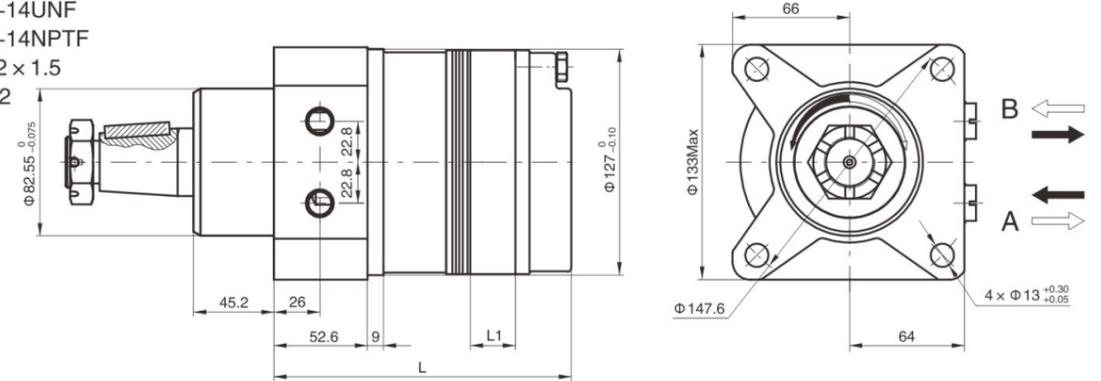
轴型代号 Shaft Code	腰型法兰 (mm) Magneto Mount	车轮法兰 (mm) Wheel Mount
G2	61	103
B1	61	103
FD1	61	103
T4	65	107
RW	50	91
AW	56	97
SW	50	91

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系列/ OMER Serie

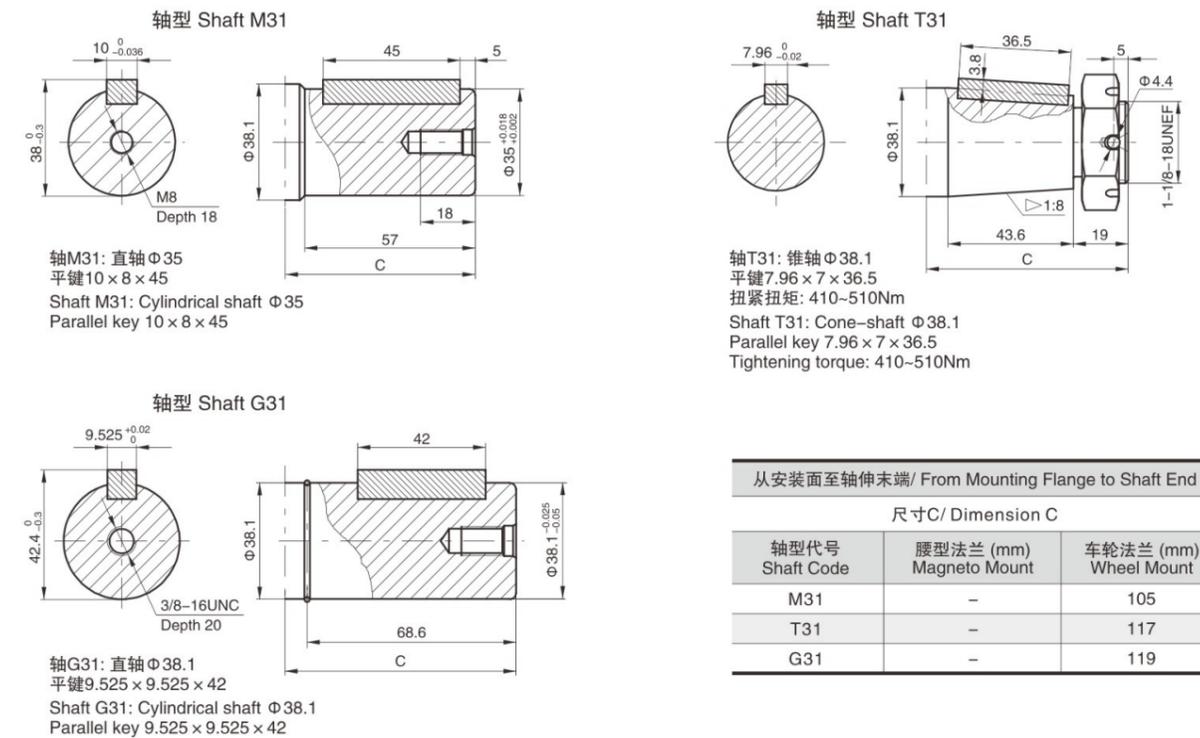
OMER-3 安装连接尺寸/ OMER-3 Installation Dimensions

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

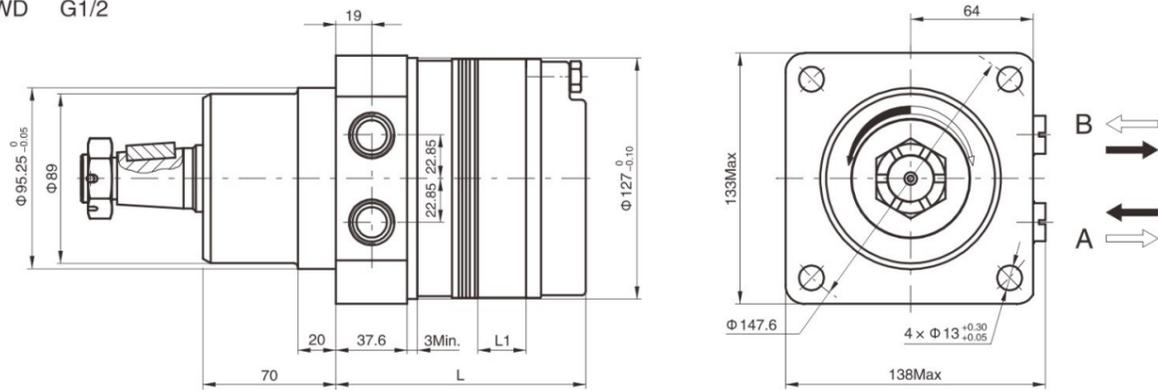
尺寸C/ Dimension C

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 x 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)	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

轴型 Shaft G2

轴G2: 直轴 $\Phi 31.75$
 平键 $7.96 \times 7 \times 36.5$
 Shaft G2: Cylindrical shaft $\Phi 31.75$
 Parallel key $7.96 \times 7 \times 36.5$

轴型 Shaft B1

轴B1: 直轴 $\Phi 32$
 平键 $10 \times 8 \times 36$
 Shaft B1: Cylindrical shaft $\Phi 32$
 Parallel key $10 \times 8 \times 36$

轴型 Shaft FD1

轴FD1: 花轴 14-DP12/24
 平齿根齿侧啮合
 To fit ANSI B92.1 1996
 Shaft FD1: Splined 14-DP12/24
 Flat root side fit
 To fit ANSI B92.1 1996

轴型 Shaft T4

轴T4: 锥轴 $\Phi 31.75$
 平键 $7.96 \times 7.96 \times 25.4$
 扭紧扭矩: 200 ± 10 Nm
 Shaft T4: Cone-shaft $\Phi 31.75$
 Parallel key $7.96 \times 7.96 \times 25.4$
 Tightening torque: 200 ± 10 Nm

轴型 Shaft RW

轴RW: 直轴 $\Phi 25.4$
 平键 $6.35 \times 6.35 \times 31.75$
 Shaft RW: Cylindrical shaft $\Phi 25.4$
 Parallel key $6.35 \times 6.35 \times 31.75$

轴型 Shaft AW

轴AW: 直轴 $\Phi 25$
 平键 $8 \times 7 \times 32$
 Shaft AW: Cylindrical shaft $\Phi 25$
 Parallel key $8 \times 7 \times 32$

轴型 Shaft SW

轴SW: 花键SAE 6B
 Shaft SW: Splined SAE 6B

从安装面至轴伸末端/ From Mounting Flange to Shaft End

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

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 × Φ 13.5 腰型法兰, 止口 Φ 82.55 × 2.8, 油口 7/8-14 O-ring	轴伸	无	B 黑漆 S 银灰漆 00 不油漆 无 蓝漆	无					
	MP	4 × Φ 13.5 腰型法兰, 止口 Φ 82.55 × 2.8, 油口 1/2-14 NPTF									
	MG	4 × Φ 13.5 腰型法兰, 止口 Φ 82.55 × 2.8, 油口 M22 × 1.5									
	MD	4 × Φ 13.5 腰型法兰, 止口 Φ 82.55 × 2.8, 油口 G1/2									
	FS	6 × Φ 13.5 腰型法兰, 止口 Φ 82.55 × 2.8, 油口 7/8-14 O-ring									
	FP	6 × Φ 13.5 腰型法兰, 止口 Φ 82.55 × 2.8, 油口 1/2-14 NPTF									
	FG	6 × Φ 13.5 腰型法兰, 止口 Φ 82.55 × 2.8, 油口 M22 × 1.5									
	FD	6 × Φ 13.5 腰型法兰, 止口 Φ 82.55 × 2.8, 油口 G1/2									
	FH	6 × Φ 13.5 腰型法兰, 止口 Φ 82.55 × 2.8, 板式油口 1/2									
	WS	4 × Φ 13.5 车轮法兰, 止口 Φ 82.55 × 5, 油口 7/8-14 O-ring									
	WP	4 × Φ 13.5 车轮法兰, 止口 Φ 82.55 × 5, 油口 1/2-14 NPTF									
	WG	4 × Φ 13.5 车轮法兰, 止口 Φ 82.55 × 5, 油口 M22 × 1.5									
	WD	4 × Φ 13.5 车轮法兰, 止口 Φ 82.55 × 5, 油口 G1/2									
	TS	4 × Φ 13.5 车轮法兰, 止口 Φ 82.55 × 5, 油口 7/8-14 O-ring									
	TP	4 × Φ 13.5 车轮法兰, 止口 Φ 82.55 × 5, 油口 1/2-14 NPTF									
	TG	4 × Φ 13.5 车轮法兰, 止口 Φ 82.55 × 5, 油口 M22 × 1.5									
	TD	4 × Φ 13.5 车轮法兰, 止口 Φ 82.55 × 5, 油口 G1/2									
								G2 Φ 31.75 直轴, 平键 7.96 × 7 × 36.5 B1 Φ 32 直轴, 平键 10 × 8 × 45 FD1 Φ 31.75 花轴, 花键 14-DP12/24 T4 Φ 31.75 锥轴, 平键 7.96 × 7.96 × 25.4 RW Φ 25 直轴, 平键 6.35 × 6.35 × 31.75 AW Φ 2 直轴, 平键 8 × 7 × 32 SW Φ 25 花轴, 花键 SAE 6B			
								M1 Φ 35 直轴, 平键 10 × 8 × 45 T31 Φ 38 锥轴, 平键 7.96 × 7 × 36.5 G32 Φ 38 直轴, 平键 9.525 × 9.525 × 42			

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

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- Φ 13.5 Magneto Mount, Pilot Φ 82.55 × 2.8, Ports 7/8-14 O-ring	轴伸	None	B No paint S Blue 00 Black None Silver Grey	None Standard					
	MP	4- Φ 13.5 Magneto Mount, Pilot Φ 82.55 × 2.8, Ports 1/2-14NPTF									
	MD	4- Φ 13.5 Magneto Mount, Pilot Φ 82.55 × 2.8, Ports G1/2									
	FS	6- Φ 13.5 Magneto Mount, Pilot Φ 82.55 × 2.8, Ports 7/8-14 O-ring									
	FP	6- Φ 13.5 Magneto Mount, Pilot Φ 82.55 × 2.8, Ports 1/2-14NPTF									
	FD	6- Φ 13.5 Magneto Mount, Pilot Φ 82.55 × 2.8, Ports G1/2									
	FH	6- Φ 13.5 Magneto Mount, Pilot Φ 82.55 × 2.8, Manifold Ports 1/2									
	WS	4- Φ 13.5 Wheel Mount, Pilot Φ 82.55 × 5, Ports 7/8-14 O-ring									
	WP	4- Φ 13.5 Wheel Mount, Pilot Φ 82.55 × 5, Ports 1/2-14NPTF									
	WD	4- Φ 13.5 Wheel Mount, Pilot Φ 82.55 × 5, Ports G1/2									
	TS	4- Φ 13.5 Wheel Mount, Pilot Φ 82.55 × 5, Ports 7/8-14 O-ring									
	TP	4- Φ 13.5 Wheel Mount, Pilot Φ 82.55 × 5, Ports 1/2-14NPTF									
	TD	4- Φ 13.5 Wheel Mount, Pilot Φ 82.55 × 5, Ports G1/2									
								G2 Shaft Φ 31.75, parallel key 7.96x7x36.5 B1 Shaft Φ 32, Parallel key 10 × 8 × 45 FD1 Shaft Φ 31.75, splined key 14-DP12/24 T4 Cone-Shaft Φ 31.75 Parallel key 7.96 × 7.96 × 25.4 RW Shaft Φ 25.4, parallel key 6.35 × 6.35 × 31.75 AW Shaft Φ 25, parallel key 8 × 7 × 32 SW Shaft Φ 25.4, splined key SAE 6B			
								M1 Shaft Φ 35, Parallel key 10 × 8 × 45 T31 Cone-Shaft Φ 38.1, Parallel key 7.96 × 7 × 36.5 G32 Shaft Φ 38.1, parallel key 9.525 × 9.525 × 42			

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 Φ 38.1 shaft seal in flange w# and T#.

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-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, 平键7.96×7×36.5 G32 直轴φ38, 平键9.525×9.525×42	无 标准 R 反向	B 黑漆 S 银灰漆 00 不油漆 无 蓝漆	无 常规
	160					
	200					
	230					
	250					
	300					
	350					
375						
400						
475						
540						
650						
750						

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
Type	Displacement	Flange	Output shaft	Rotation direction	Paint	Unusually function
OMER-3	125	4-φ13.5 Wheel Mount, Pilotφ82.55, Ports 7/8-14 O-ring 4-φ13.5 Wheel Mount, Pilotφ82.55, Ports 1/2-14NPTF 4-φ13.5 Wheel Mount, Pilotφ82.55, Ports M22 x 1.5 4-φ13.5 Wheel Mount, Pilotφ82.55, Ports G1/2	M1 Shaftφ35, Parallel key 10×8×45 T31 Cone-Shaftφ38.1, Parallel key 7.96×7×36.5 G32 Shaftφ38.1, 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					
375						
400						
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.

订货信息/ Order Information

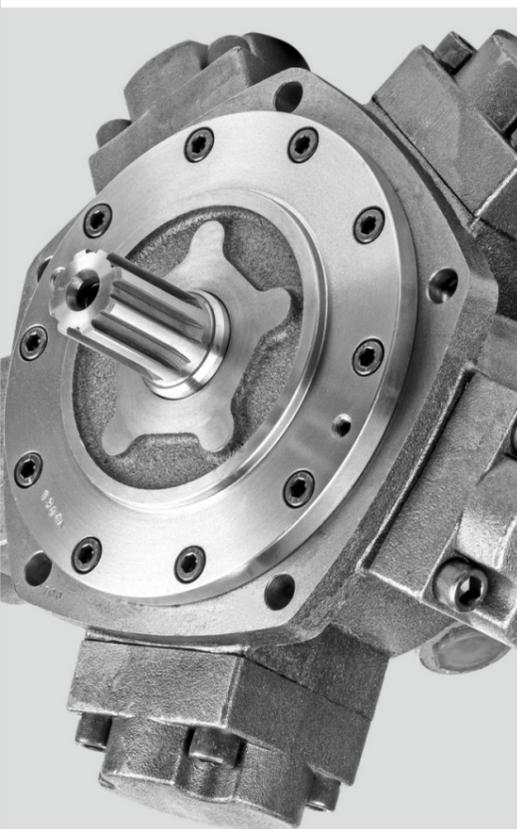
1	2	3	4	5	6	7
型号	排量	法兰、止口、油口	轴伸	旋向工况	油漆选项	特殊功能
OMER-4	125	4-φ13.5车轮法兰, 止口φ82.55, 油口 7/8-14 O-ring 4-φ13.5车轮法兰, 止口φ82.55, 油口 1/2-14 NPTF 4-φ13.5车轮法兰, 止口φ82.55, 油口 M22 x 1.5 4-φ13.5车轮法兰, 止口φ82.55, 油口 G1/2	G2 直轴φ31.75, 平键 7.96×7×36.5 B1 直轴φ32, 平键 10×8×45 FD1 花轴φ31.75, 花键 14-DP12/24 T4 Cone-Shaftφ31.75, 平键 7.96×7.96×25.4 RW 直轴φ25.4, 平键 6.35×6.35×31.75 SW 花轴φ25.4, 花键 SAE 6B AW 直轴φ25, 平键 8×7×32	无 标准 R 反向	B 黑漆 S 银灰漆 00 不油漆 无 蓝漆	无 常规
	160					
	200					
	230					
	250					
	300					
	350					
	375					
	400					
	475					
540						
650						
750						

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
Type	Displacement	Mount Flange, Pilot, Port	Output shaft	Rotation direction	Paint	Unusually function
OMER-4	125	4-φ13.5 Wheel Mount, Pilotφ82.55, Ports 7/8-14 O-ring 4-φ13.5 Wheel Mount, Pilotφ82.55, Ports 1/2-14NPTF 4-φ13.5 Wheel Mount, Pilotφ82.55, Ports M22 x 1.5 4-φ13.5 Wheel Mount, Pilotφ82.55, Ports G1/2	G2 Shaftφ31.75, parallel key 7.96×7×36.5 B1 Shaftφ32, parallel key 10×8×45 FD1 Shaftφ31.75, splined key 14-DP12/24 T4 Cone-Shaftφ31.75, parallel key 7.96×7.96×25.4 RW Shaftφ25.4, parallel key 6.35×6.35×31.75 SW Shaftφ25.4, splined key SAE 6B AW Shaftφ25, parallel key 8×7×32	Omit Standard R Reverse timed	00 No paint Omit Blue B Black S Silver Grey	Omit Standard
	160					
	200					
	230					
	250					
	300					
	350					
	375					
	400					
	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.

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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：

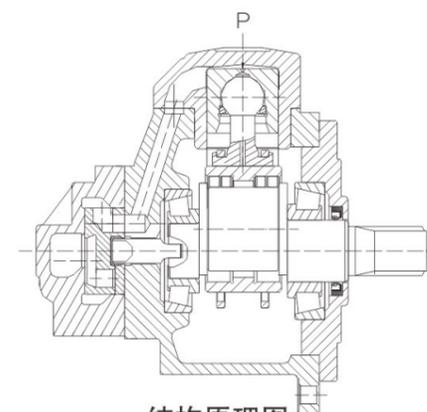
- 1、采用偏心轴及较低激振频率的五活塞结构，具有低噪音的特点；
- 2、起动扭矩大，低速稳定性好，能在很低的速度下平稳运转；
- 3、专利技术的平面补偿配油盘，可靠性好，泄漏少；活塞与柱塞套采用密封环密封，因而具有很高的容积效率；
- 4、曲轴与连杆间由滚柱支撑，因而具有很高的机械效率；
- 5、旋转方向可逆，输出轴允许承受一定的径向和轴向外力；
- 6、具有较高的功率质量比，体积重量相对较少。

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 technology 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 efficiency;
4. High mechanical efficiency 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 directions;
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

ZM 1 63 B D31 72°

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)

ZM系列/ ZM Serie

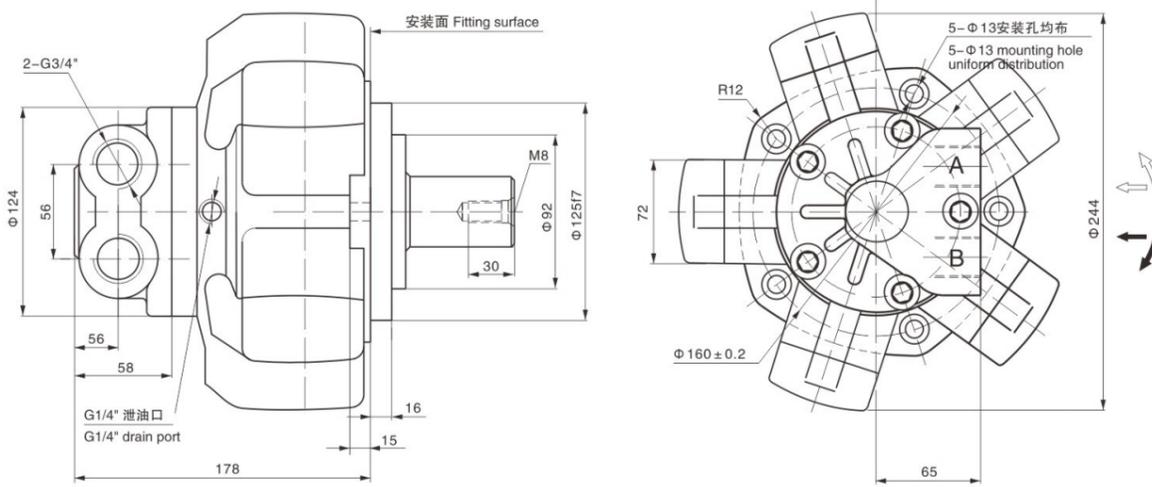
技术参数/ Technical data

型号 Model	理论排量 Theory Displacement ml/r	压力/Pressure		扭矩/Torque		最高转速 Max. Speed r/min	额定功率 Rated Power KW	重量 Weight Kg
		额定压力 Rated Pressure Mpa	尖峰压力 Max. Pressure Mpa	额定扭矩 Rated Torque N.m	单位扭矩 Unit Torque 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	36
ZM2-250	235	14	20	481	34	300	13	
ZM2-280	276	12	18	484	40	280	12	
ZM3-175	181	16	22	424	26	350	13	
ZM3-200	201	16	20	470	29	320	13	58
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	72
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	95
ZM6-700	683	16	20	1616	101	250	36	
ZM6-750	754	14	18	1561	111	220	31	
ZM8-600	617	16	20	1444	90	280	36	
ZM8-700	710	16	20	1662	104	260	38	170
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	298
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	550
ZM11-1200	1234	14	20	2527	182	220	49	
ZM11-1300	1301	14	18	2664	192	200	47	
ZM16-1400	1413	16	22	3343	209	250	74	
ZM16-1600	1648	16	22	3899	244	250	87	830
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	550
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	298
ZM31-4000	4152	16	20	9718	607	160	138	
ZM31-4500	4522	14	20	10584	661	160	151	
ZM31-5000	4828	14	20	9887	706	160	141	
ZM70-5000	4946	16	22	11450	716	125	120	550
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	830
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！ 版权所有

ZM1系列/ ZM1 Serie

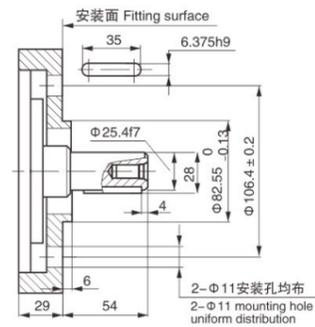
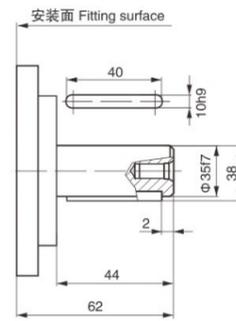
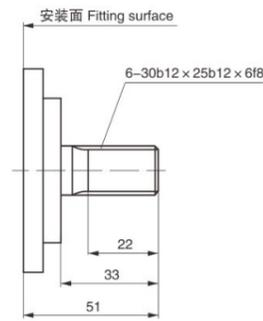
ZM1-63~200 外形及安装尺寸/ ZM1-63~200 Installation Dimension



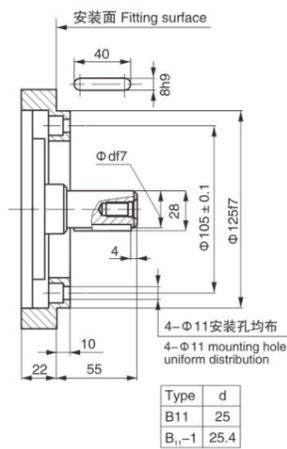
标准外花键 : ZM1-**
Standard Involute Spline : ZM1-**

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

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

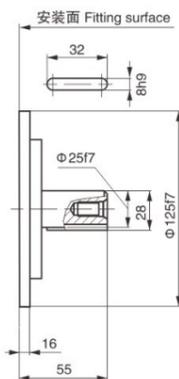


ZM1-**B₁₁ B₁₁-1

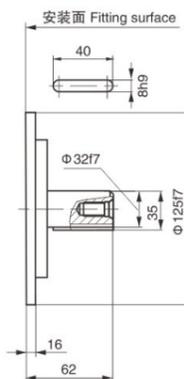


Type	d
B ₁₁	25
B ₁₁ -1	25.4

ZM1-**B₂₈

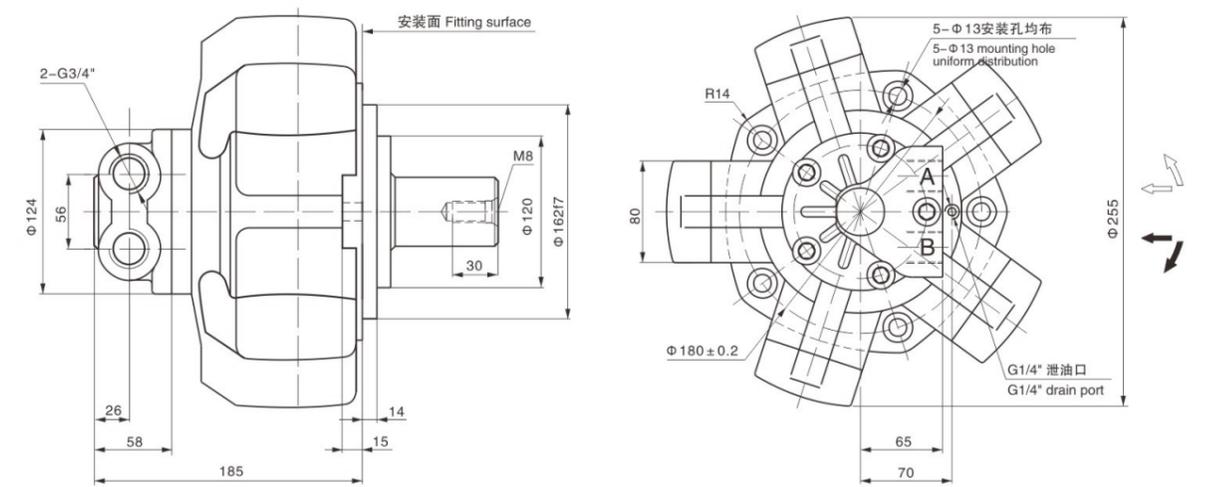


ZM1-**B₃₁



ZM2系列/ ZM2 Serie

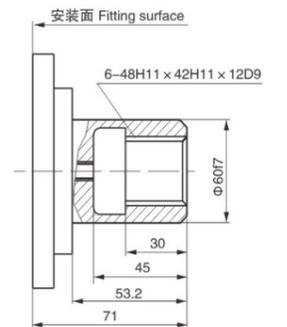
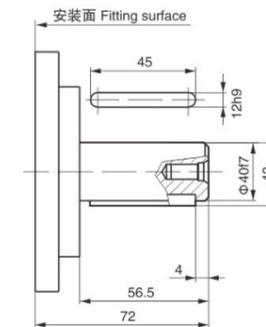
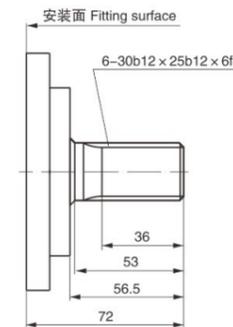
ZM2-100~280 外形尺寸/ ZM2-100~280 Installation Dimension



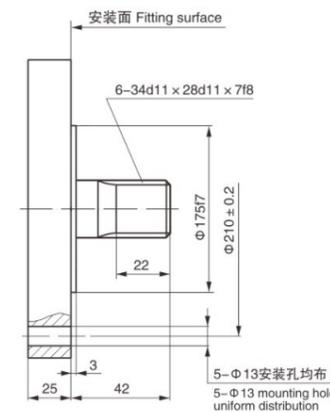
标准外花键 : ZM2-**
Standard Involute Spline : ZM2-**

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

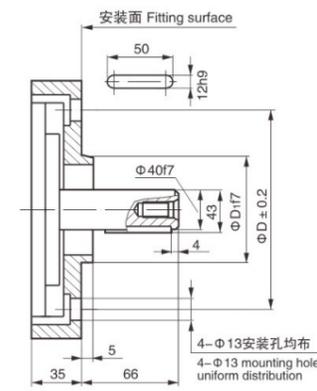
标准内花键 : ZM2-**I
Standard Female Spline : ZM2-**I



ZM2-**SL₁

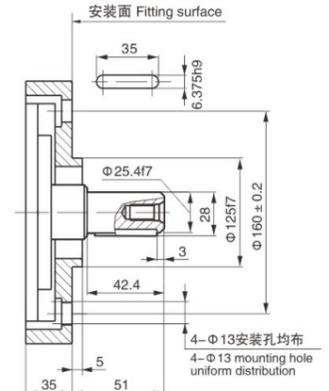


ZM2-**B₁、B₂



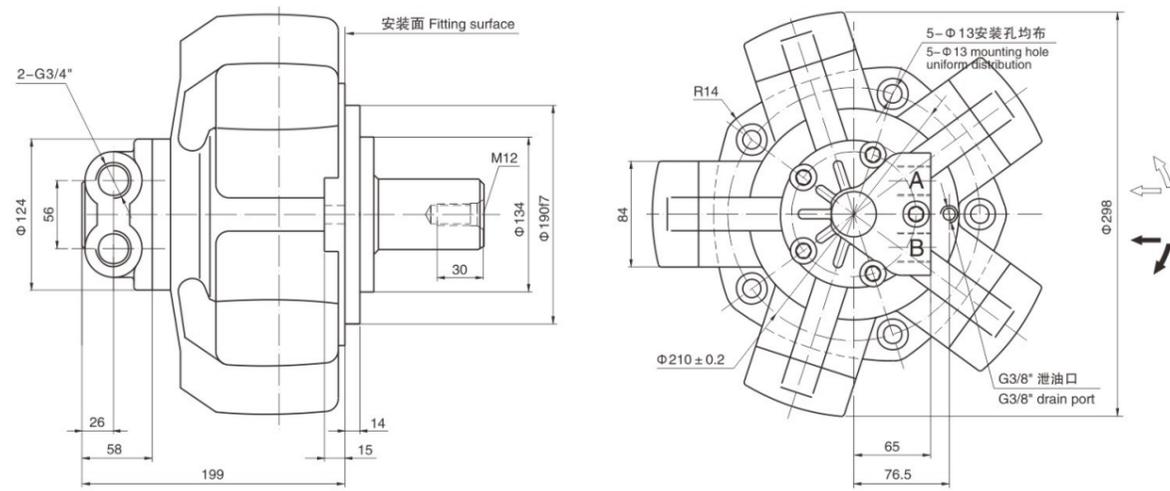
Type	D	D1
B ₁	160	125
B ₂	127	100

ZM2-**B₃



ZM3系列/ ZM3 Serie

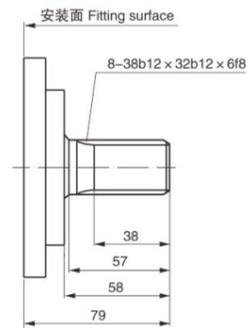
ZM3-175~400 外形及安装尺寸/ ZM3-175~400 Installation Dimension



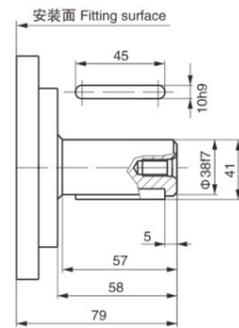
标准外花键 : ZM3-**
Standard Involute Spline : ZM3-**

标准平键 : ZM3-**B
Standard Parallel Key : ZM3-**B

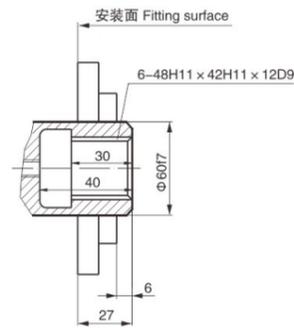
标准内花键 : ZM3-**I
Standard Female Spline : ZM3-**I



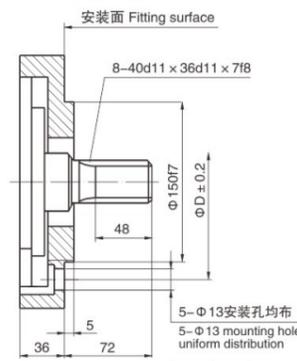
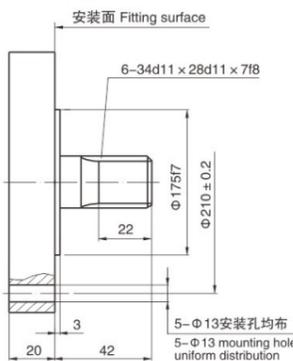
ZM3-**SL₁



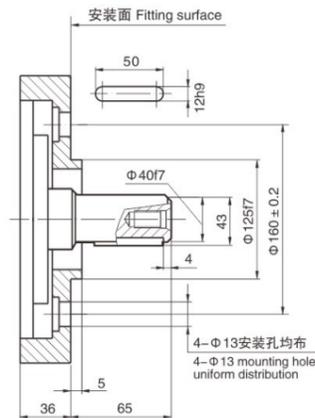
ZM3-**SL₂, SL₃



ZM3-**B₁

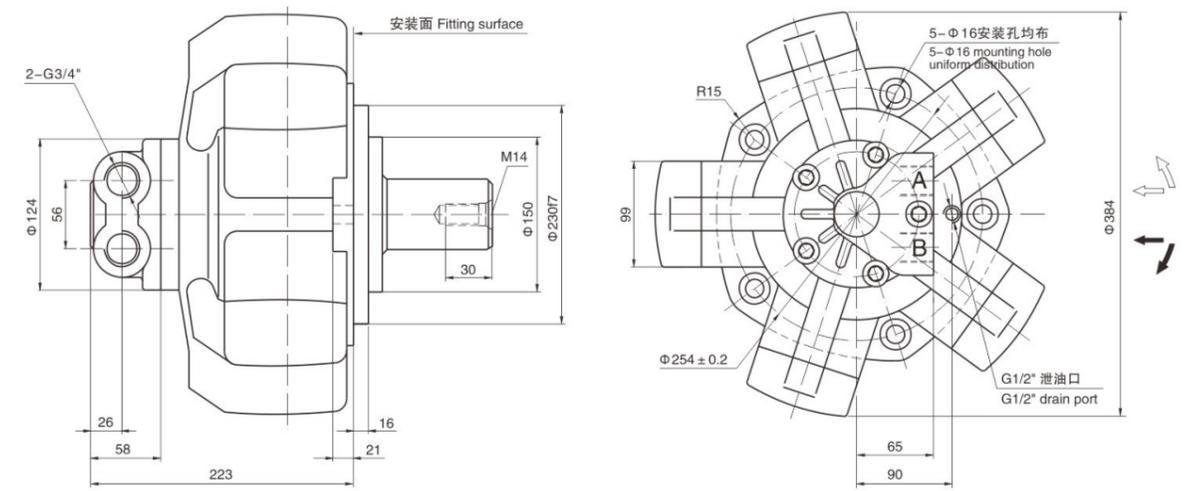


Type	D
SL ₂	195
SL ₃	250



ZM6系列/ ZM6 Serie

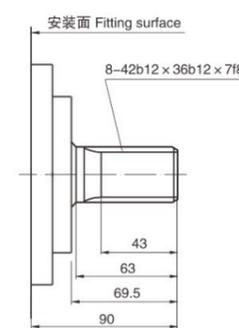
ZM6-400~750 外形及安装尺寸/ ZM6-400~750 Installation Dimension



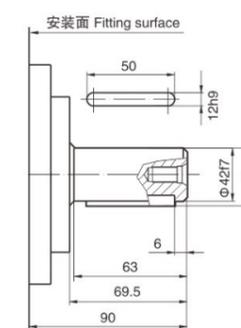
标准外花键 : ZM6-**
Standard Involute Spline : ZM6-**

标准平键 : ZM6-**B
Standard Parallel Key : ZM6-**B

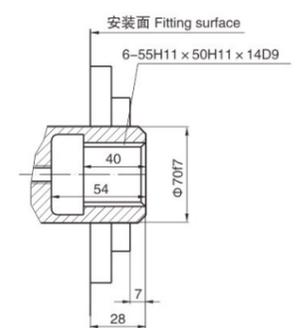
标准内花键 : ZM6-**I
Standard Female Spline : ZM6-**I



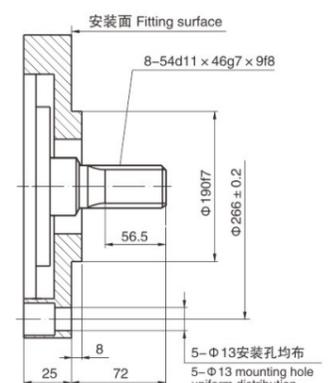
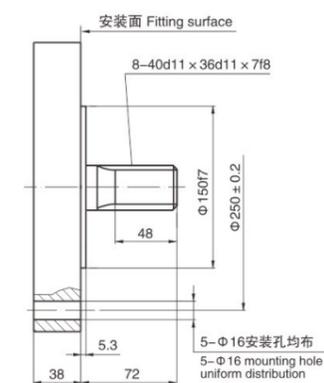
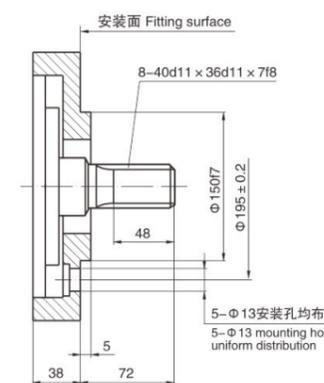
ZM6-**SL₂



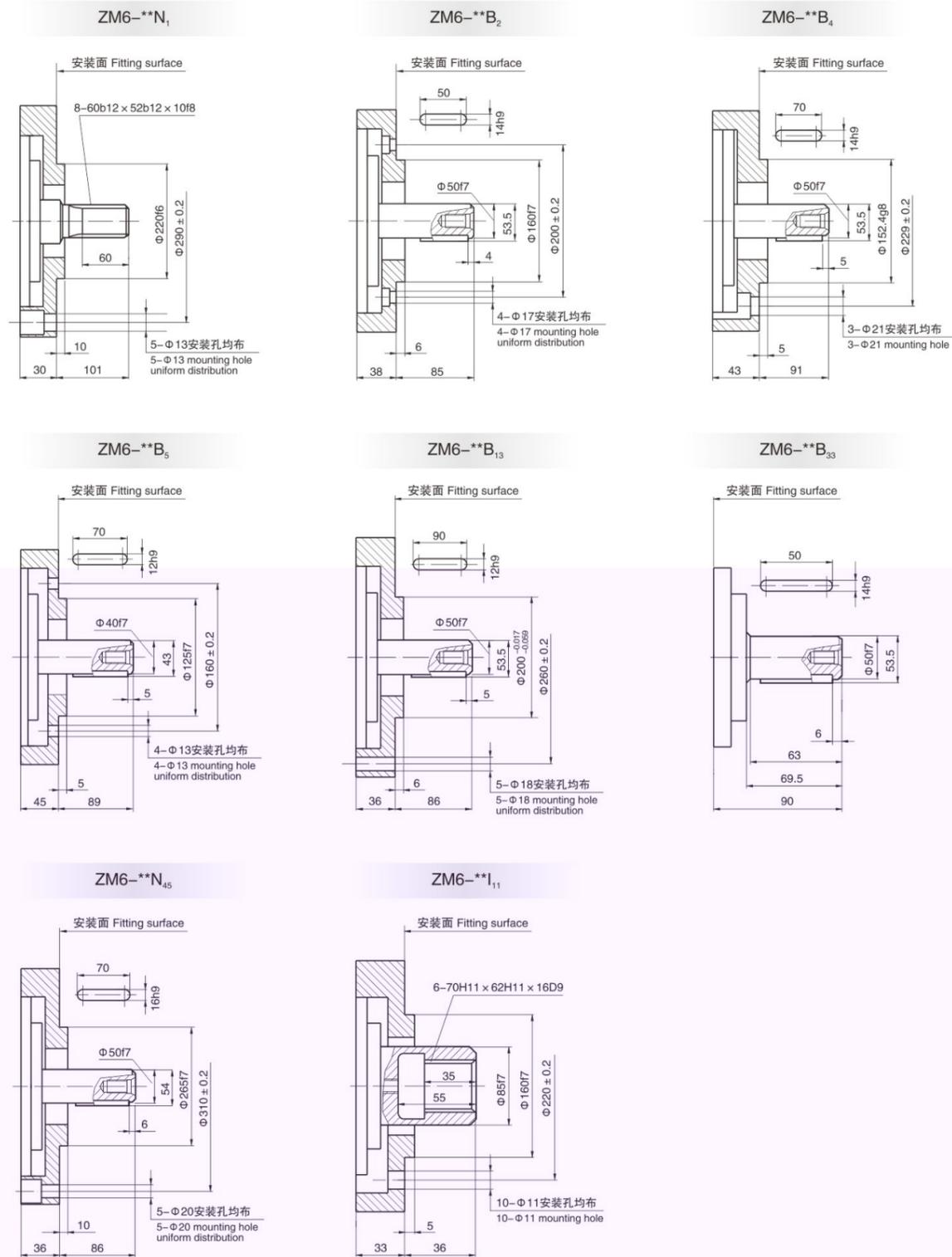
ZM6-**SL₃



ZM6-**N

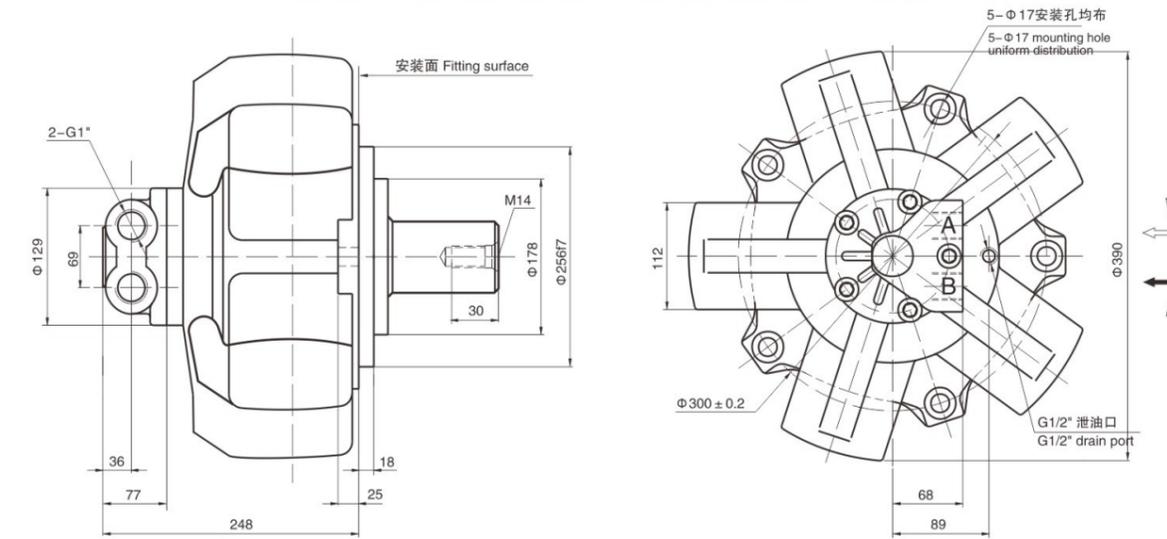


ZM6系列/ ZM6 Serie



ZM8系列/ ZM8 Serie

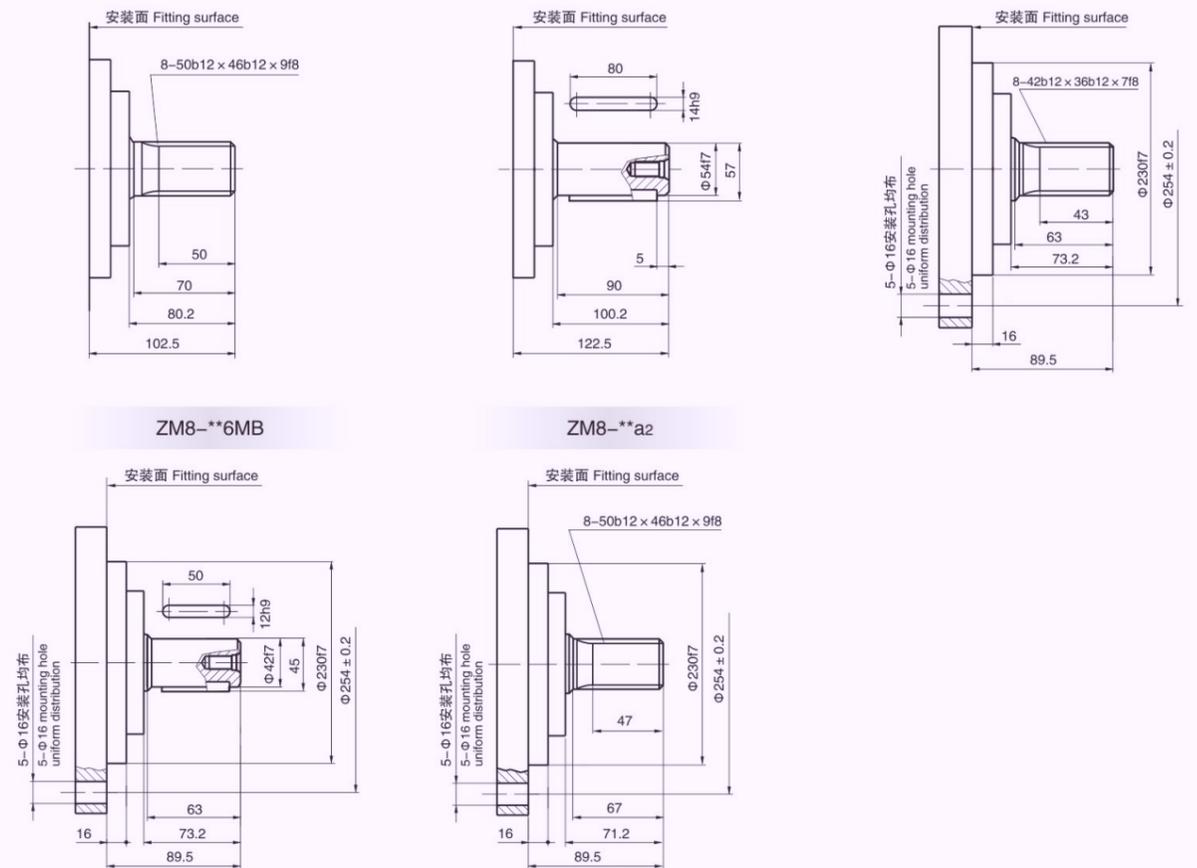
ZM8-600~1000 外形及安装尺寸/ ZM8-600~1000 Installation Dimension



标准外花键 : ZM8-**
 Standard Involute Spline : ZM8-**

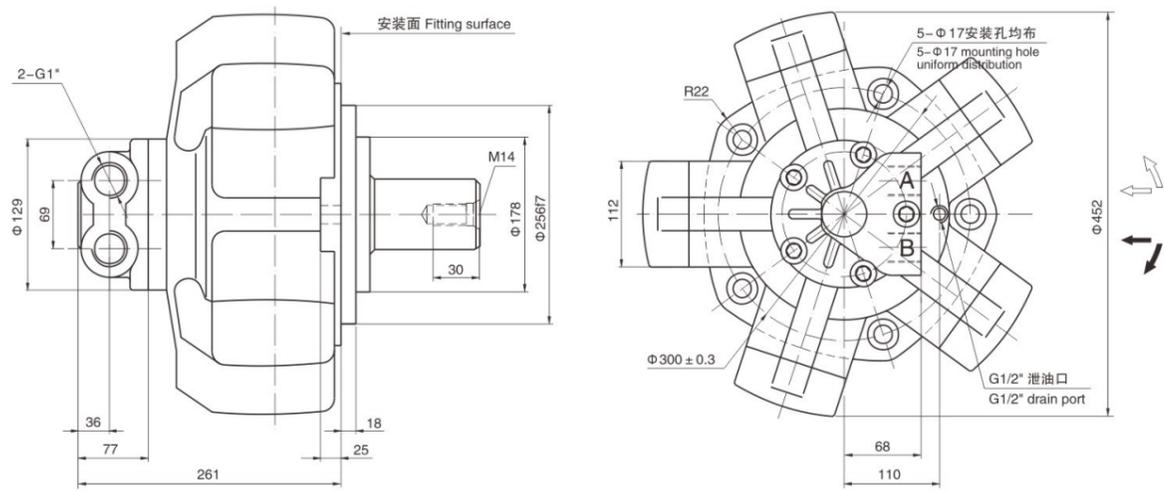
标准平键 : ZM8-**B
 Standard Parallel Key : ZM8-**B

ZM8-**6M

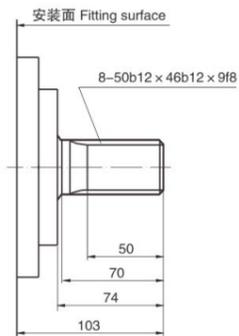


ZM11系列/ ZM11 Serie

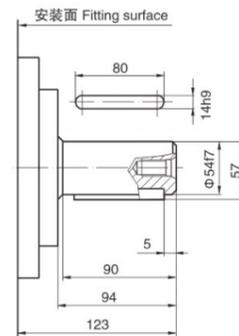
ZM11-700~1300 外形及安装尺寸/ ZM11-700~1300 Installation Dimension



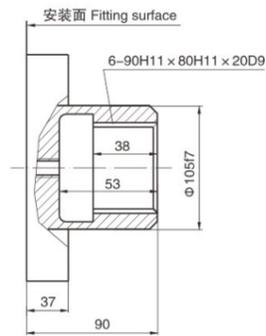
标准外花键 : ZM11-**
Standard Involute Spline : ZM11-**



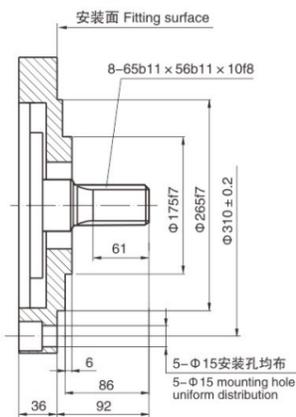
标准平键 : ZM11-**B
Standard Parallel Key : ZM11-**B



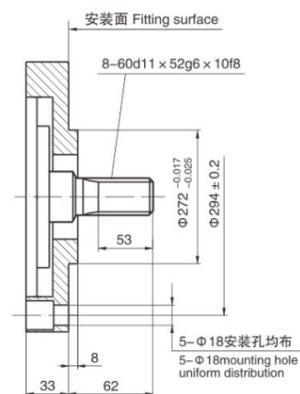
标准内花键 : ZM11-**I
Standard Female Spline : ZM11-**I



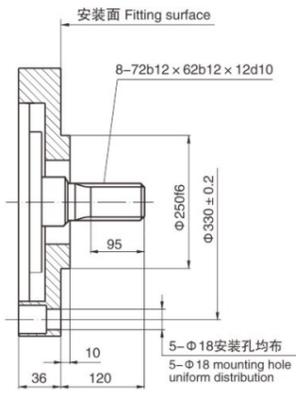
ZM11-**SL_s



ZM11-**N

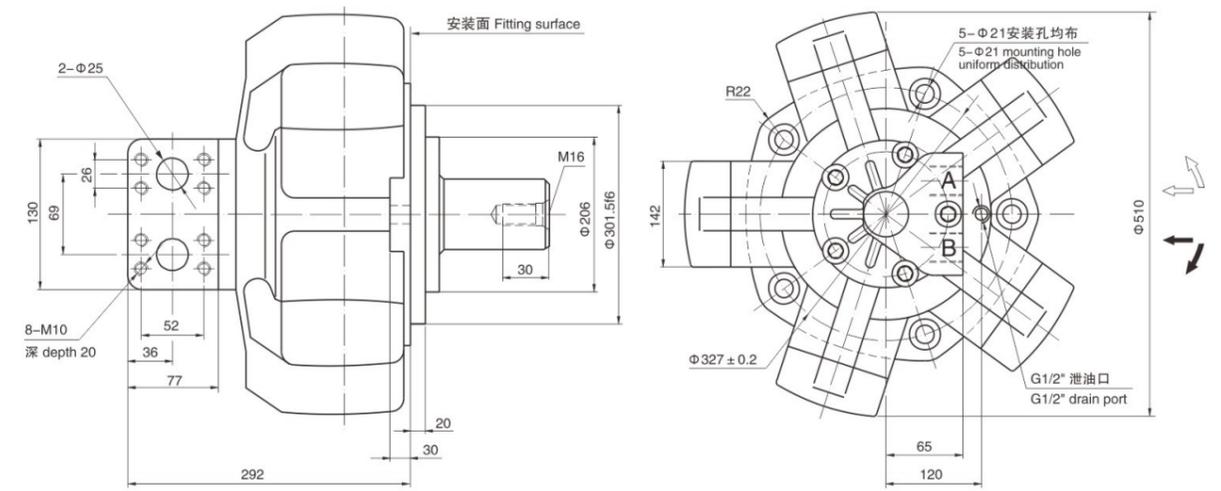


ZM11-**K

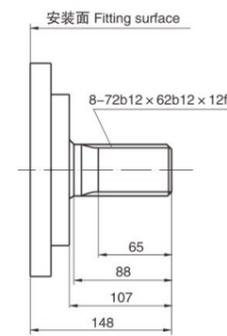


ZM16系列/ ZM16 Serie

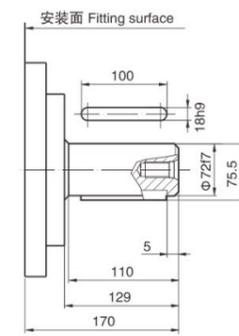
ZM16-1400~2400 外形及安装尺寸/ ZM16-1400~2400 Installation Dimension



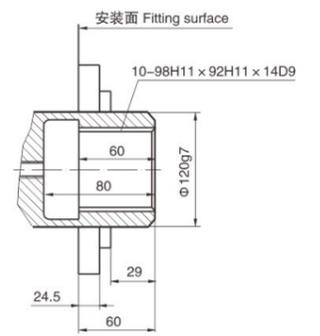
标准外花键 : ZM16-**
Standard Involute Spline : ZM16-**



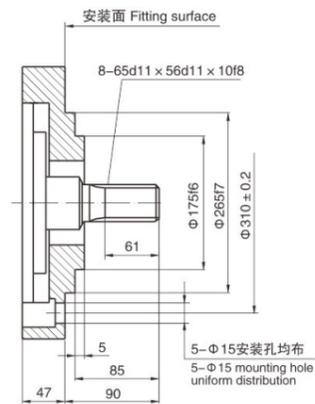
标准平键 : ZM16-**B
Standard Parallel Key : ZM16-**B



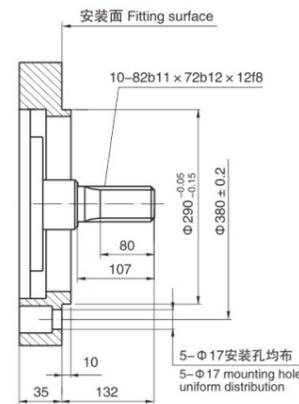
标准内花键 : ZM16-**I
Standard Female Spline : ZM16-**I



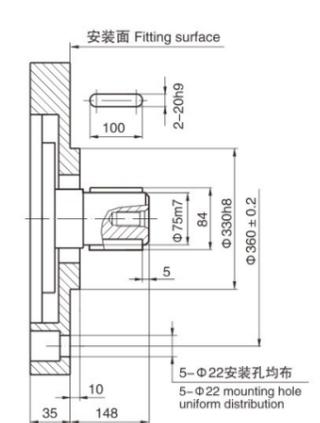
ZM16-**SL_s



ZM16-**N

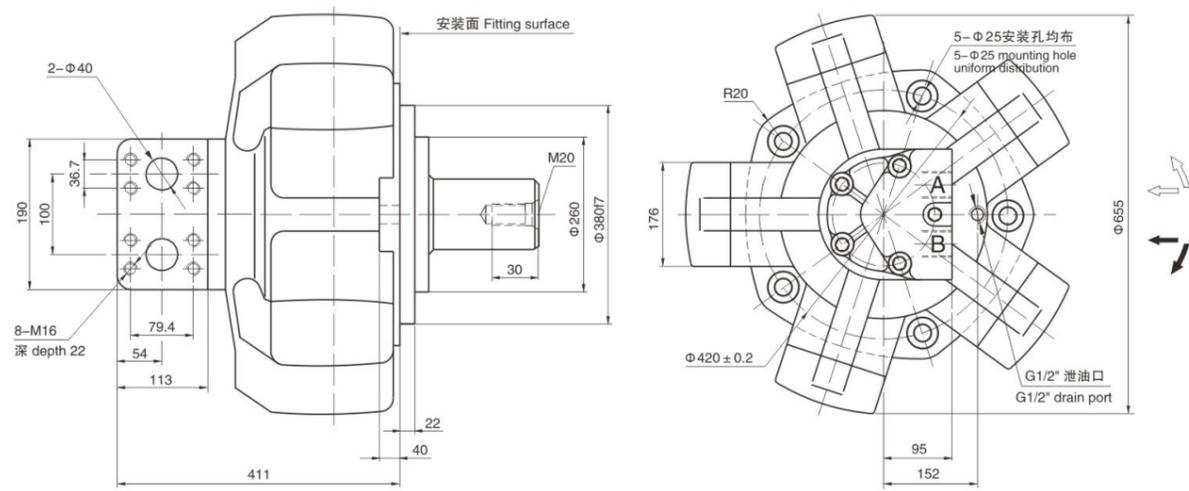


ZM16-**D

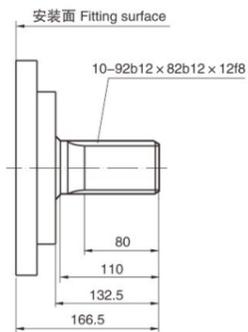


ZM31系列/ ZM31 Serie

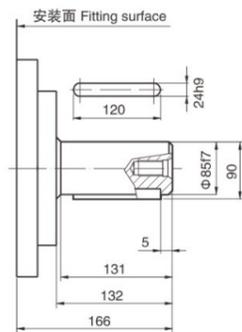
ZM31-2500~5000 外形及安装尺寸/ ZM31-2500~5000 Installation Dimension



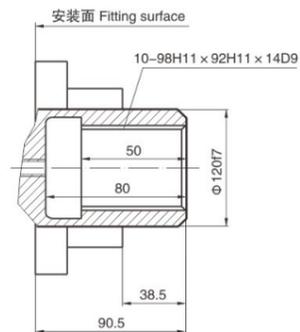
标准外花键 : ZM31-**
Standard Involute Spline



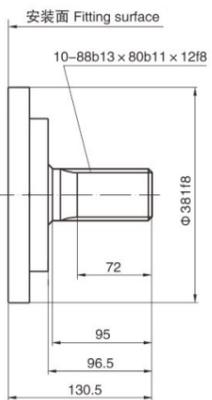
标准平键 : ZM31-**B
Standard Parallel Key



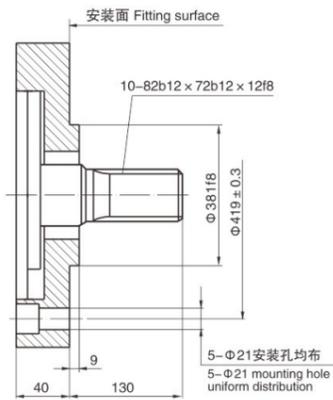
标准内花键 : ZM31-**I
Standard Female Spline



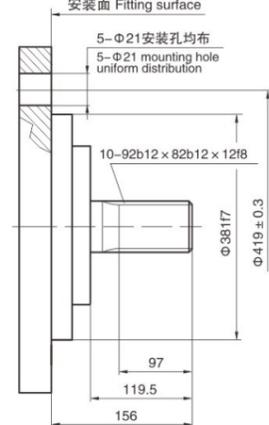
ZM31-**SL₁



ZM31-**NST

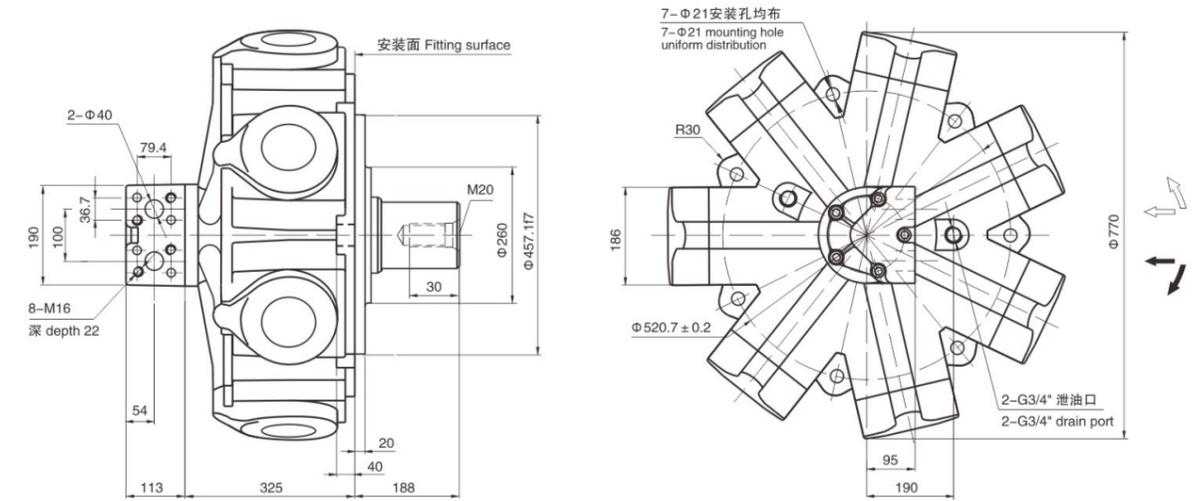


ZM31-**H6

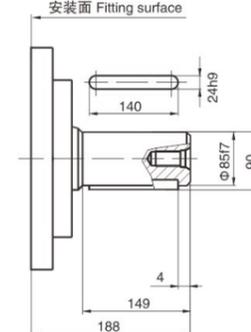


ZM70系列/ ZM70 Serie

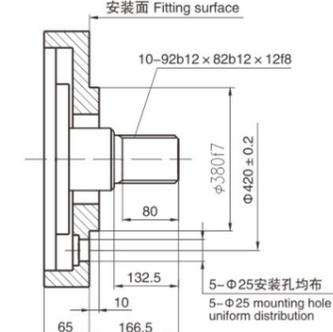
ZM70-5000~7000 外形及安装尺寸/ ZM70-5000~7000 Installation Dimension



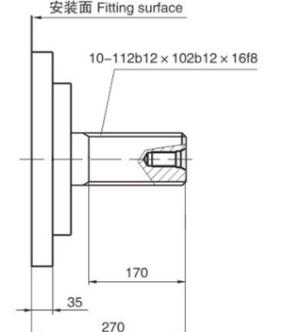
标准平键 : ZM70-**B
Standard Parallel Key



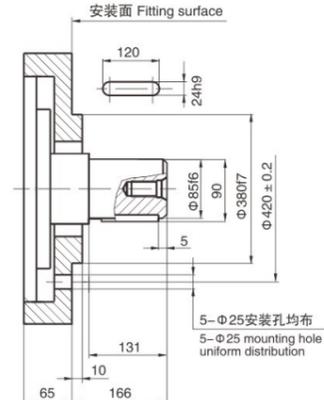
ZM70-**a₁



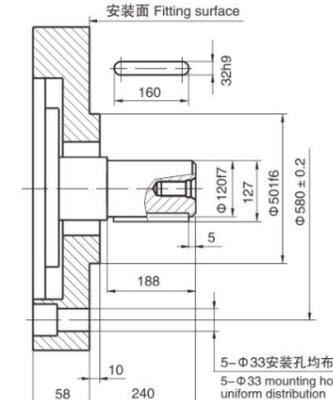
ZM70-**a₃



ZM70-**B₁



ZM70-**B₂



ZM70-**BC

