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内曲线径向柱塞液压马达
Hydraulic Piston Motor





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公司简介

宁波欧士杰液压传动有限公司位于风景秀丽、人杰地灵的海滨城市——宁波。著名的杭州湾大桥、深水良港北仑港，为我们提供了便捷的交通条件，并将我们融入大都市上海经济圈。

我公司专业设计生产液压马达，液压成套系统及成套液压设备。在多年的专研，创新和探索中，具备了独立研发、生产的能力。公司拥有现代化的标准厂房和一大批高精度、先进的加工设备，并拥有一批强大的创新研发专业设计人才。本公司产品在市场上赢得了客户的广泛认同和良好信誉。

精益求精，开拓创新不仅仅是一个口号，是每个员工烙在心里的信念和追求。在优胜劣汰的市场竞争中，质量是重中之重，公司将以执着的信念，不遗余力追求客户称心的产品。

OUR COMPANY

Ningbo Oushijie Hydraulic Transmission Co., Ltd. is located in Ningbo, a coastal city with beautiful scenery and outstanding people. The famous Hangzhou Bay Bridge and Beilun Port, a good port in deep water, provide us with convenient traffic conditions and integrate us into the metropolis Shanghai Economic Circle.

Our company specializes in designing and producing hydraulic motors, complete sets of hydraulic systems and complete sets of hydraulic equipment. In years of specialized research, innovation and exploration, we have the ability of independent research and development and production. It has modern standard factory buildings and a large number of high-precision and advanced processing equipment, and has a group of powerful innovative research and development professional design talents. Our products have won wide recognition and good reputation from customers in the market.

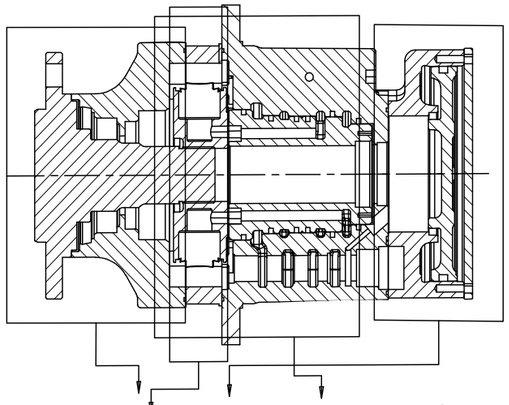
Striving for perfection, pioneering and innovating is not only a slogan, but also the belief and pursuit of every employee. In the survival of the fittest market competition, quality is the most important, the company will be persistent faith, spare no effort to pursue customer satisfaction products.

目录 Contents

1	OMCR03 液压马达 OMCR03 Hydraulic motor	P 01-08
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3	OMCR10 液压马达 OMCR10 Hydraulic motor	P 19-25
4	OMCR15 液压马达 OMCR15 Hydraulic motor	P 26-31
5	OMCR 零配件 OMCR Parts	P 32-32



OMCR03马达编号
OMCR03 Motor Number



O M C R — C 03 — D — F Z -3X — P M — S

结构规格 Structural specifications
结构规格05 Structural specifications =03

法兰壳体 Flange housing

短马达	Short motor	=A
法兰马达	Flange Motor	=D
链轮轴马达	Sprocket Shaft Motor	=S
轮边马达	Hub motor	=F
液压基件	Hydraulic components	=H

对称内曲线滚道	规格 Specifications	排量 ml/r Displacement
OMCR03	380	380 ml/r
	470	470 ml/r
	520	520 ml/r
	565	565 ml/r
	680	680 ml/r
	750	750 ml/r
	820	820 ml/r

第一轴伸 First axle shaft

花键(Spline)ABSI B92.1,1996 W=46
Ø50mm平键轴
Ø50mm Flat key shaft L=40
带直径为Ø180mm的法兰
Flange with a diameter of Ø180mm P=180
无轴
Shaftless =Z

密封 Sealed
丁晴橡胶密封 Nitrile Rubber Seal =M
适合于 DIN 51 524(H1，HLP)的矿物口油
Mineral oil suitable for DIN 51 524 (H1, HLP)

可切换排量 Switchable displacement
无标记 = 不可切换排量
No mark = non-switchable displacement
2R = 只能顺时针旋转切换
2R = Can only switch by rotating clockwise
2L = 只能逆时针旋转切换
2L = Can only be rotated counterclockwise to switch
2WL = 顺时针，逆时针都可旋转切换
2L = Can be rotated and switched clockwise or counterclockwise

制动器安装 Brake installation
无制动器 No brake =A0
液压释放停车制动器 Hydraulic release parking brake (弹簧加载一片式制动器) Spring-loaded one-piece brake =B2

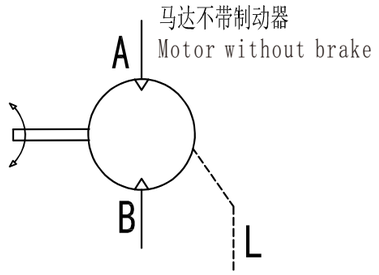
无第二轴伸 No second axle =Z
仅适用于法兰壳体A 最大扭矩1500\m
Only applicable to flange housing A, maximum torque 1500 \m
仅适用于法兰壳体D 最大扭矩1500Nm
Only applicable to flange housing D, maximum torque 1500 Nm
仅适用于法兰壳体S 最大扭矩1500Nm
Only applicable to flange housing S, maximum torque 1500 \m
仅适用于法兰壳体F
Only applicable to flange housing F
仅适用于液压基件H
For hydraulic components only H

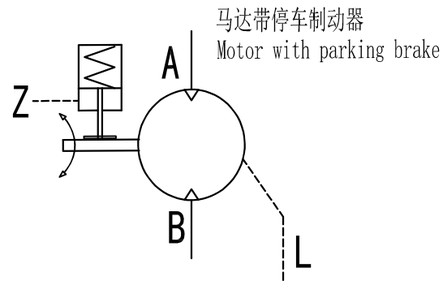
安装车轮螺栓 Install the wheel bolts
无标记=不带安装车轮螺栓
No mark = without installed wheel bolts
/S=带安装车轮螺栓
/S=With installed wheel bolts

油口 Port
01=管螺纹ISO 288/1
12 = UNF-SAE-螺纹
12=UNF-SAE螺纹
12=UNF-SAE Thread

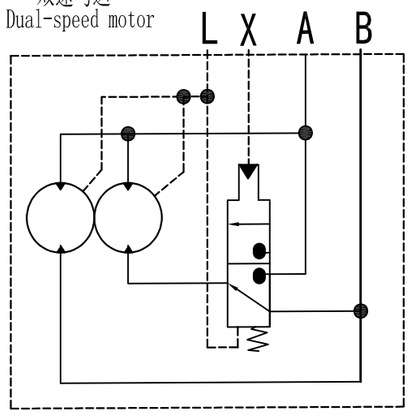
氟化橡胶密封	Fluorinated rubber seal	1
已安装速度传感器	Speed sensor installed	2
泄油口	Oil drain port	5
工业轴承支撑	Industrial bearing support	6
预留速度传感器位置	Predisposition for speed sensor	7
恶劣工况	Bad condition	C
特殊喷漆或无喷漆	Special paint or no paint	D
加强轴封	Reinforced sealing	E
高效率	High efficiency	H
加强轴肩	Reinforced shaft shoulder	J

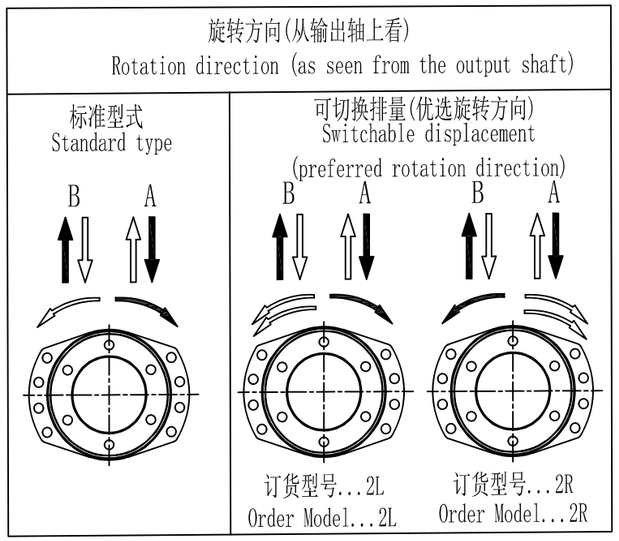
液压马达机能符号
Hydraulic motor function symbol





双速马达
Dual-speed motor



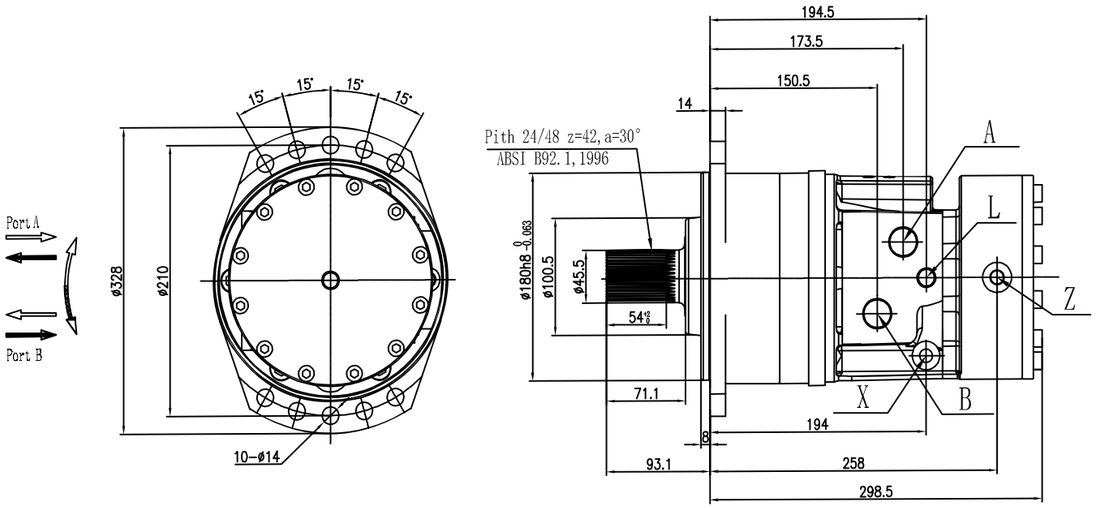


OMCR03
技术性能参数(对称内曲线滚道)
Technical performance parameters(symmetrical inner curved raceway)

对称曲线滚道 Cams with equal lobes	型号 model	规格 Specifications	排量 Displacement ml/r	压力/Pressure MPA 额定压力 Rated Pressure	压力/Pressure MPA 尖峰压力 Max.pressure	扭矩/Torque N.m 额定扭矩 Rated Torque	扭矩/Torque N.m 单位扭矩 Unit Torque	转速/Speed r/min 额定转速 Rated Rotational Speed	转速/Speed r/min 转速范围 Rotational Speed Range	连续输出功率 Continuous output power
	OMCR03	160	160 ml/r	25	31.5	562.5	22.5	180	0-400	18,12
		225	225 ml/r	25	31.5	900	36	180	0-400	18,12
		255	255 ml/r	25	31.5	1012.5	40.5	160	0-360	18,12
		280	280 ml/r	25	31.5	1112.5	44.5	145	0-330	18,12
		325	325 ml/r	25	31.5	1300	52	135	0-310	22,14
		365	365 ml/r	25	31.5	1450	58	120	0-280	22,14
		400	400 ml/r	25	31.5	1575	63	110	0-260	22,14

元件尺寸 Component Size

法兰壳体：订货型号"A" Flange housing: Order model "A"

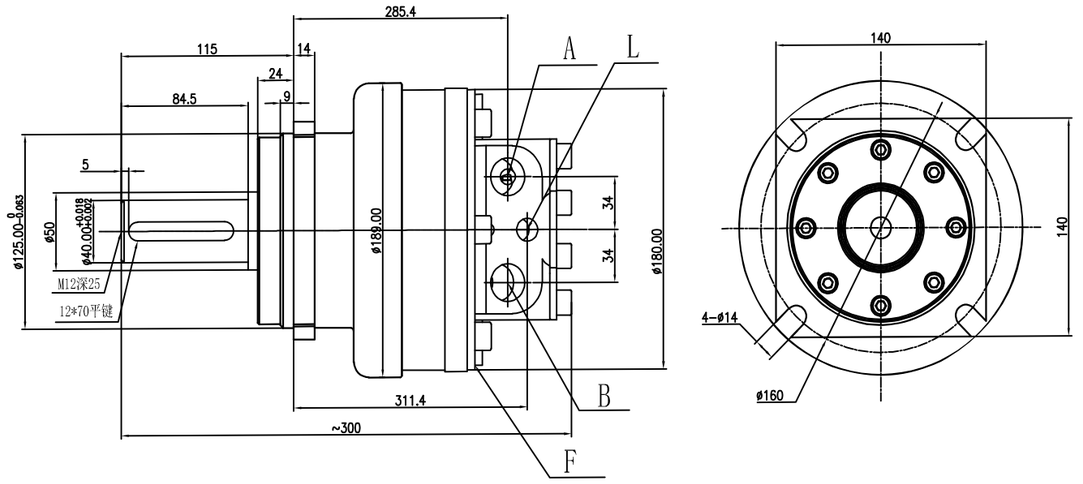


液压连接(连接油口) Hydraulic connection oil port						
编号 NO.	标准 standard	主油口 Main oil port (A,B)	泄油口 Shell drain port (L)	注油口 Oil injection port (F)	变量油口 Variable oil port (X)	制动油口 Variable oil port (X)
01	ISO 288/1	G1/2	G3/8	G1/2	G1/4	G3/8
12	ASE J514	7/8-14 SAE	9/16-18 SAE	3/4-16 SAE	9/16-18 SAE	9/16-18 SAE

1.油口A,B(进油口，出油口)
2.泄油口L
3.注油口F，可作为泄油口使用
4.切换排量油口(变量油口)X
5.第1轴伸，ABSI B92.1,1996花键轴标准；订货型号"W46"
6.可用花键长度

1.Oil ports A, B (inlet, outlet)
2. Drain port L
3. Oil fill port F, can be used as drain port
4. Displacement switching oil port (variable oil port) X
5. Shaft 1 extension, ABSI B92.1, 1996 spline shaft standard; order model "W46"
6. Usable spline length

法兰壳体：订货型号"D" Flange housing: Order model "D"



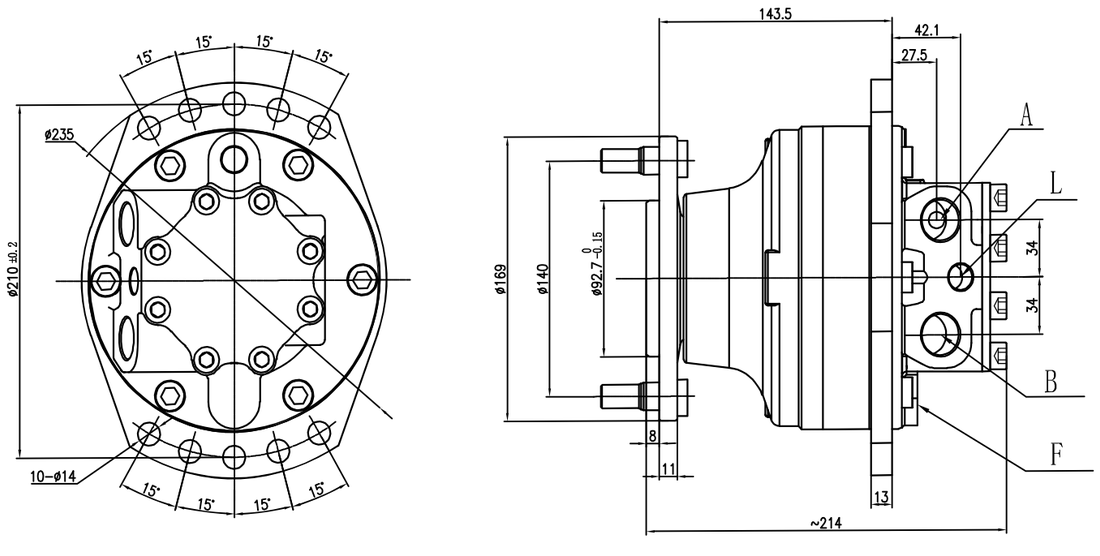
液压连接(连接油口) Hydraulic connection oil port				
编号 NO.	标准 standard	主油口 Main oil port (A,B)	泄油口 Shell drain port (L)	注油口 Oil injection port (F)
01	ISO 288/1	G1/2	G3/8	G1/2
12	ASE J514	7/8"-14 SAE	9/16"-18 SAE	3/4"-16 SAE

1.油口A,B(进油口，出油口)
2.泄油口L
3.注油口F，可作为泄油口使用
4.第1轴伸，圆柱形轴伸直径为Ø40mm带平键，订货型号"L40"

1.Oil ports A and B (inlet port, outlet port)
2. Drain port L
3. Oil fill port F, can be used as a drain port
4. First shaft extension, cylindrical shaft extension with a diameter of Ø40mm with keyway, order model "L40"

元件尺寸 Component Size

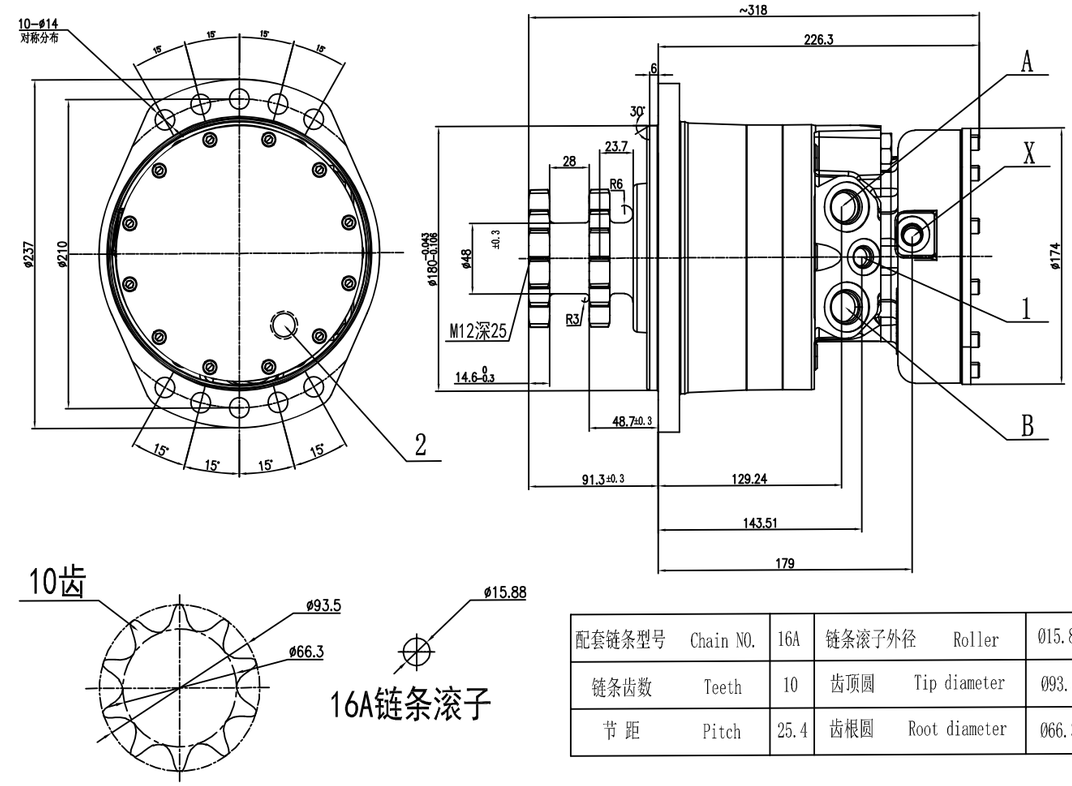
法兰壳体：订货型号"F" Flange housing: Order model "F"



液压连接(连接油口) Hydraulic connection oil port				
编号 NO.	标准 standard	主油口 Main oil port (A,B)	泄油口 Shell drain port (L)	注油口 Oil injection port (F)
01	ISO 288/1	G1/2	G3/8	G1/2
12	ASE J514	7/8"-14 SAE	9/16"-18 SAE	3/4"-16 SAE

1.油口A,B(进油口，出油口)	1.Oil ports A and B (oil inlet, oil outlet)
2.泄油口L	2. Oil drain port L
3.注油口F，可作为泄油口使用	3. Oil filling port F, can be used as a drain port
4.第1轴伸，订货型号"F180"	4. First shaft extension, order model "F180"
5.固定螺栓M14X1.5，带六角螺母，用于轮边固定，螺纹长度5至20mm，订货型号"F"	5. Fixing bolts M14X1.5, with hex nuts, used for wheel-side fixing, thread length 5 to 20mm, order model "F"

法兰壳体：订货型号"S" Flange housing: Order model "S"



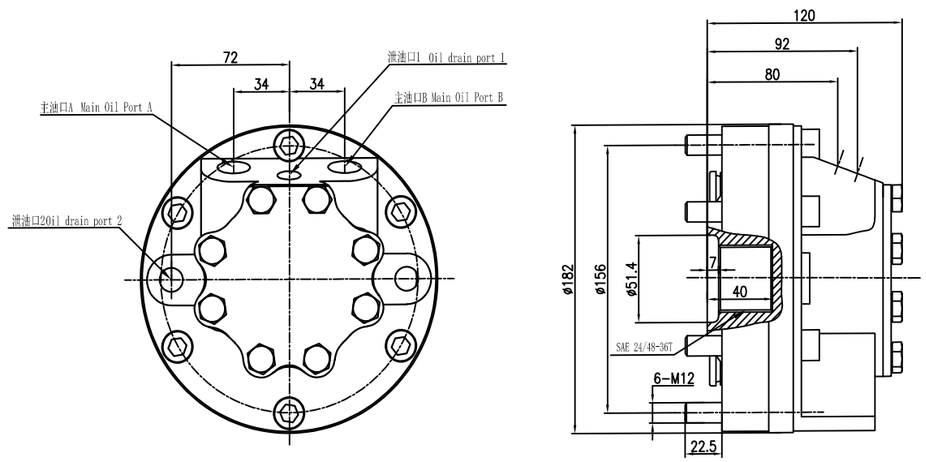
配套链条型号 Chain NO.	16A	链条滚子外径 Roller	ø15.88
链条齿数 Teeth	10	齿顶圆 Tip diameter	ø93.5
节 距 Pitch	25.4	齿根圆 Root diameter	ø66.3

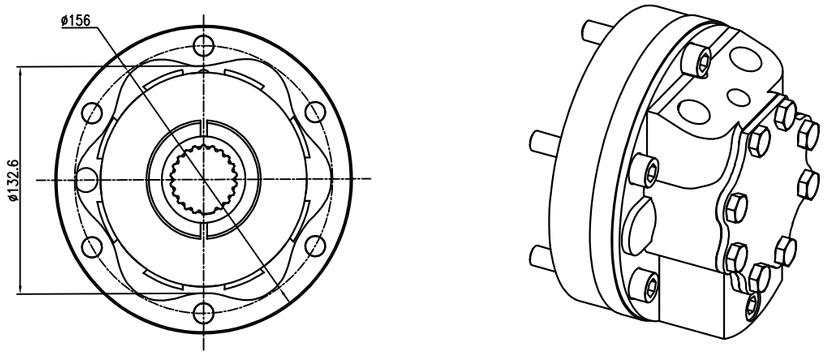
液压连接(连接油口) Hydraulic connection oil port				
编号 NO.	标准 standard	主油口 Main oil port (A,B)	泄油口 Shell drain port (L)	注油口 Oil injection port (F)
01	ISO 288/1	G1/2	G3/8	G1/2
12	ASE J514	7/8"-14 SAE	9/16"-18 SAE	3/4"-16 SAE

1.油口A,B(进油口，出油口)	1.Oil ports A and B (inlet port, outlet port)
2.泄油口L	2. Drain port L
3.注油口F，可作为泄油口使用	3. Oil fill port F, can be used as a drain port
4.第1轴伸，链轮轴，订货型号"S40"	4.No.1 axle shaft, sprocket shaft, order model "S40"

元件尺寸：液压基件
Component size: hydraulic base component

法兰壳体：订货型号"H" Flange housing: Order model "H"





油口尺寸/订货型号 Oil port size / Order model		
主油口 Main oil port (A,B)	泄油口 Shell drain port (L)	注油口 Oil injection port (F)
G1/2	G3/8	G1/2
7/8"-14 SAE	9/16"-18 SAE	3/4"-16 SAE

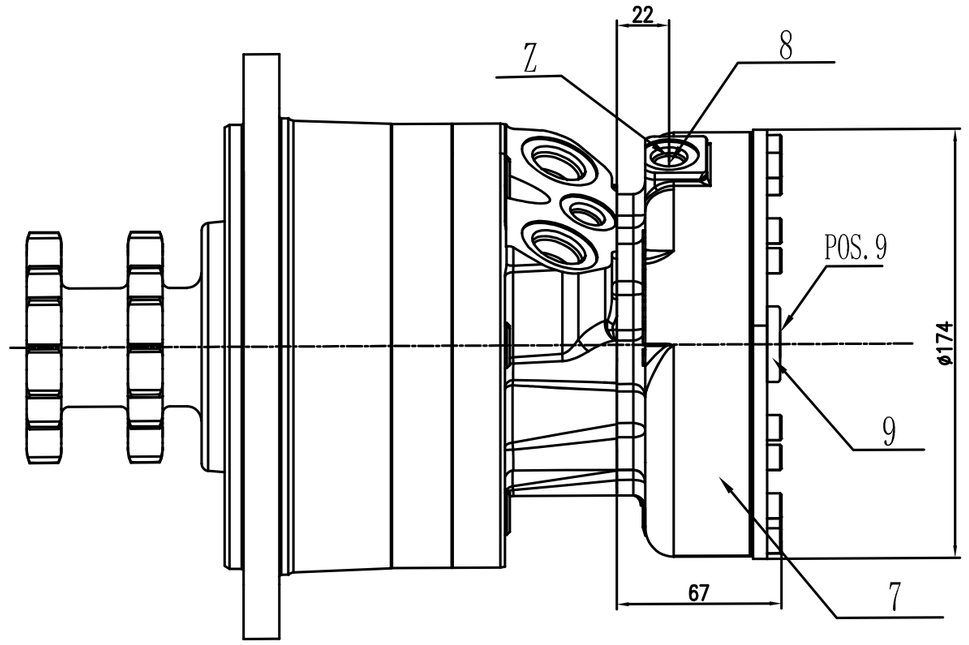
1.油口A,B(进油口，回油口)
1.Oil ports A and B (inlet port, return port)

2.泄油口L
2.Oil Drain Port L

3.注油口F,可作为泄油口使用
3.Oil filling port F can be used as an oil drain port.

4.固定螺钉 6个M12X1.75
4.Fastening screws: 6 M12X1.75

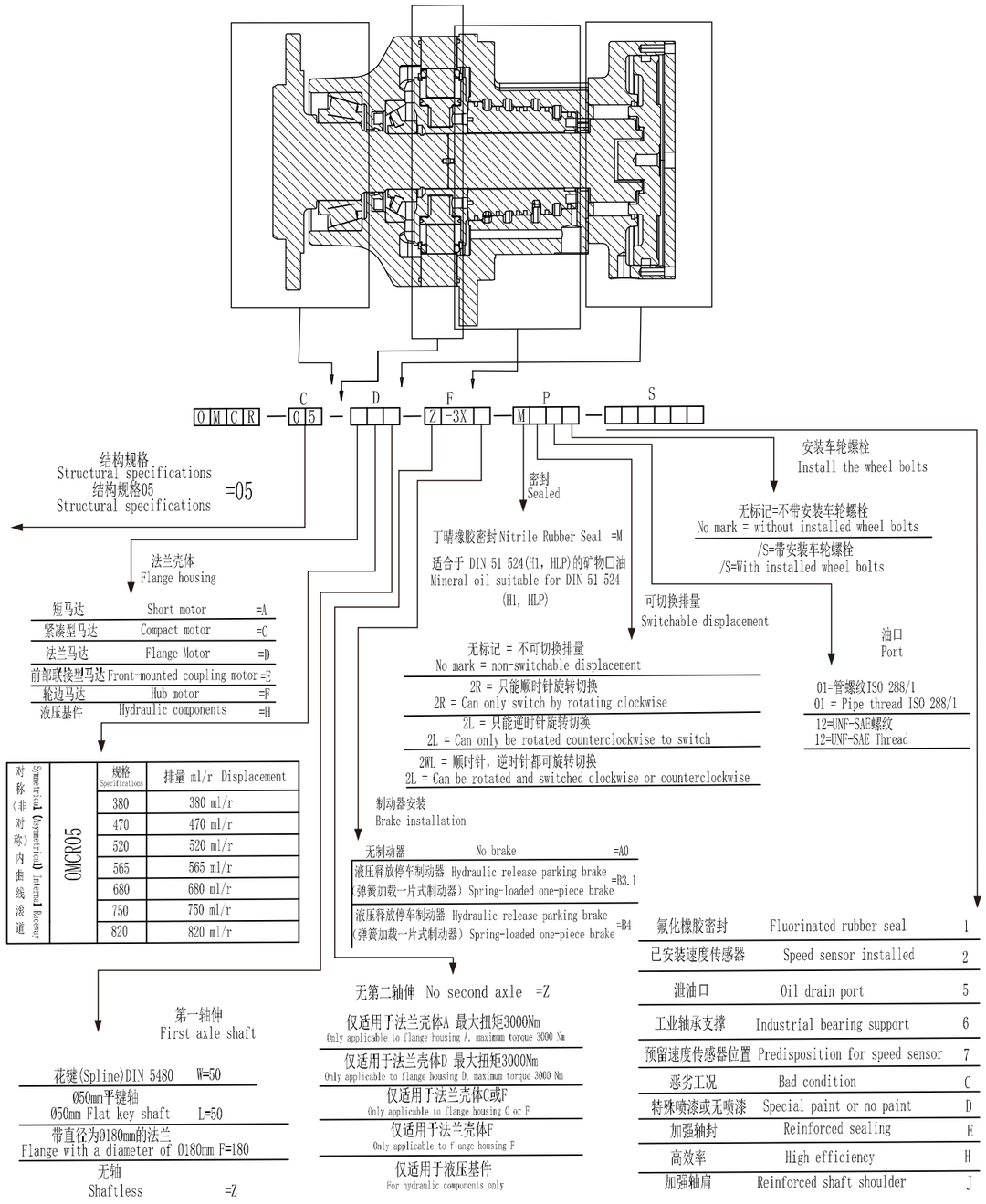
元件尺寸：订车制动器(片式制动器)
Component Size: Car Brake (Disc Brake)



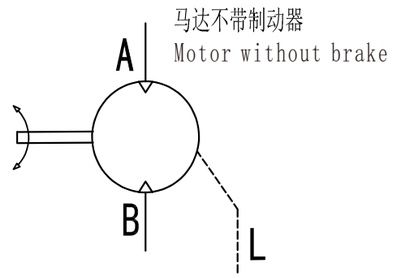
编号NO	
7	停车制动器(片式制动器) 订货型号"B2" Parking brake (disc brake) Order Model "B2"
8	制动器释放口 Brake release port
9	停车制动器机械释放螺栓安装孔 Parking brake mechanical release bolt mounting hole

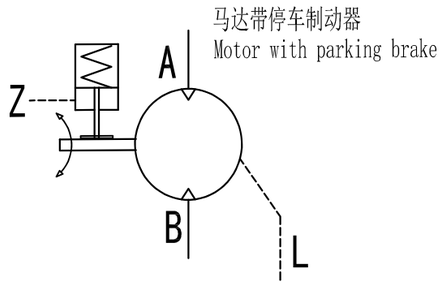
油口 Port	油口尺寸/订货型号 Oil port size / Order model	
	01	12
Z	G3/8	9/16-18 SAE
POS.9	M12	M12

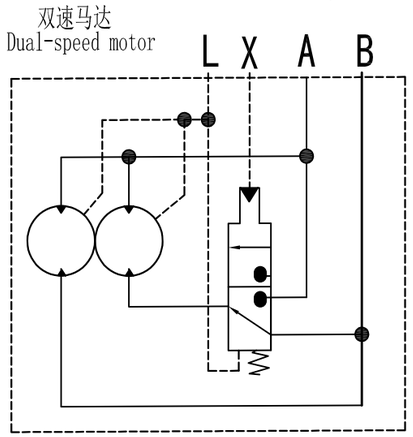
OMCR05马达编号
OMCR05 Motor Number

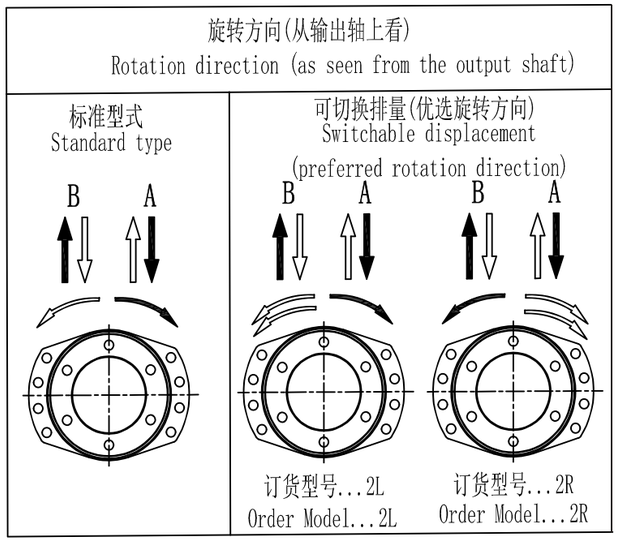


液压马达机能符号
Hydraulic motor function symbol









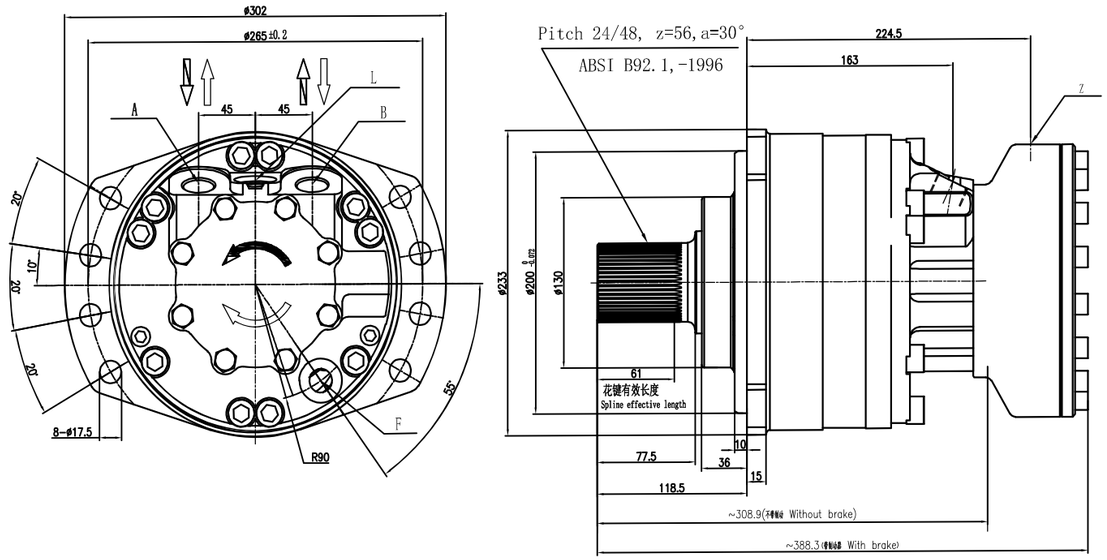
OMCR05

技术性能参数(对称/非对称内曲线滚道)
Technical performance parameters (symmetric/asymmetric inner raceway curve)

对称曲线滚道 Cams with equal lobes	型号 model	规格 Specifications	排量 Displacement ml/r	压力/Pressure MPA 额定压力 Rated Pressure	压力/Pressure MPA 尖峰压力 Max. pressure	扭矩/Torque N.m 额定扭矩 Rated Torque	扭矩/Torque N.m 单位扭矩 Unit Torque	转速/Speed r/min 额定转速 Rated Rotational Speed	转速/Speed r/min 转速范围 Rotational Speed Range	连续输出功率 Continuous output power
	OMCR05	380	380 ml/r	25	31.5	1500	60	112	0-220	29,19
		470	470 ml/r	25	31.5	1850	74	112	0-220	29,19
		520	520 ml/r	25	31.5	2050	82	112	0-220	29,19
		565	565 ml/r	25	31.5	2225	89	112	0-220	29,19
		680	680 ml/r	25	31.5	2700	108	102	0-200	35,23
		750	750 ml/r	25	31.5	2975	119	87	0-170	35,23
		820	820 ml/r	25	31.5	3250	130	77	0-150	35,23

元件尺寸 Component Size

法兰壳体：订货型号"A" Flange housing: Order model "A"

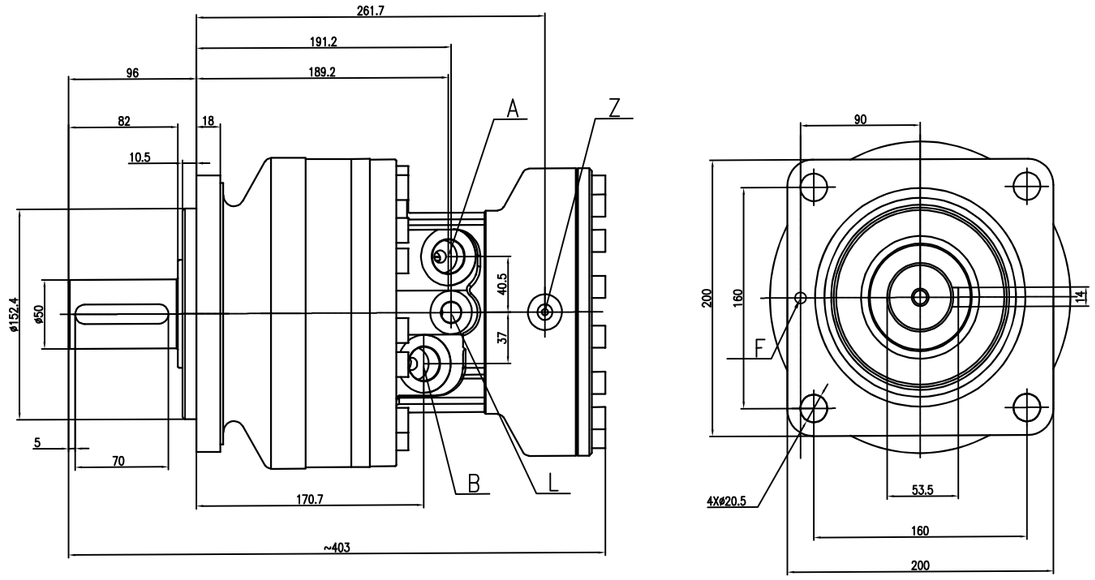


液压连接(连接油口) Hydraulic connection oil port					
编号 NO.	标准 standard	主油口 Main oil port (A,B)	泄油口 Shell drain port (L)	注油口 Oil injection port (F)	制动油口 Brake fluid port (Z)
01	ISO 288/1	G3/4	G3/8	G1/2	G1/4
12	UNF-SAE	1 1/16-12 SAE	3/4-16 SAE	3/4-16 SAE	9/16-18 SAE

1.油口A,B(进油口，出油口)
2.泄油口L
3.注油口F，可作为泄油口使用
4.第1轴伸，DIN 5480花键轴标准；订货型号"W50"
5.可用花键长度

1.Oil ports A, B (inlet, outlet)
2. Drain port L
3. Filling port F, can also be used as a drain port
4. Shaft 1 extension, DIN 5480 splined shaft standard; order model "W50"
5. Usable spline length

法兰壳体：订货型号"D" Flange housing: Order model "D"



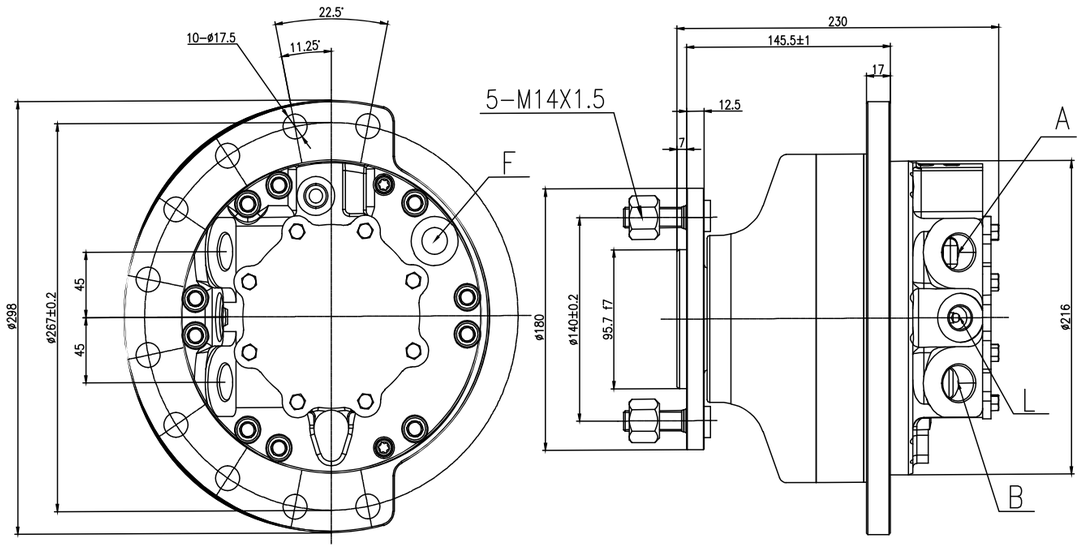
液压连接(连接油口) Hydraulic connection oil port					
编号 NO.	标准 standard	主油口 Main oil port (A,B)	泄油口 Shell drain port (L)	注油口 Oil injection port (F)	制动油口 Brake fluid port (Z)
01	ISO 288/1	G3/4	G3/8	G1/2	G1/4
12	UNF-SAE	1 1/16-12 SAE	9/16"-18 SAE	3/4"-16 SAE	9/16-18 SAE

1.油口A,B(进油口，出油口)
2.泄油口L
3.注油口F，可作为泄油口使用
4.第1轴伸，圆柱形轴伸直径为Ø50mm带平键，订货型号"L50"

1.Oil ports A and B (inlet port, outlet port)
2. Drain port L
3. Oil fill port F, can be used as a drain port
4. First shaft extension, cylindrical shaft extension with a diameter of Ø50mm with keyway, order model "L50"

元件尺寸 Component Size

法兰壳体：订货型号"C" Flange housing: Order model "C"

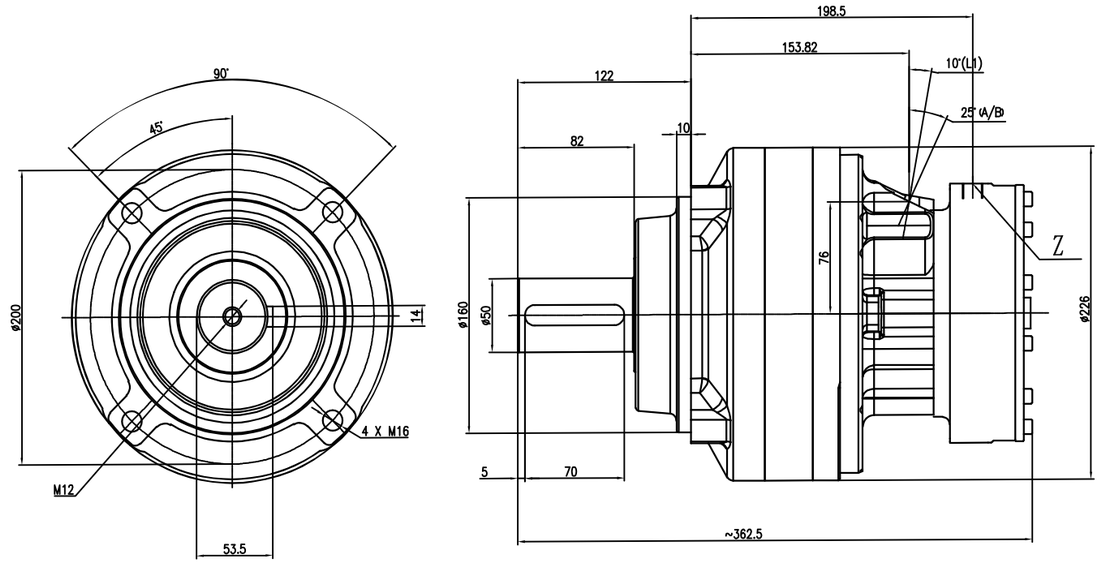


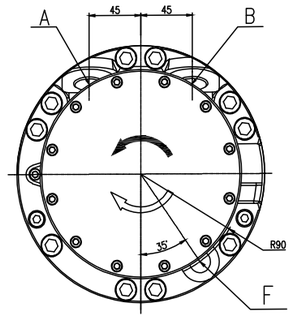
液压连接(连接油口) Hydraulic connection oil port				
编号 NO.	标准 standard	主油口 Main oil port (A,B)	泄油口 Shell drain port (L)	注油口 Oil injection port (F)
01	ISO 288/1	G1/2	G3/8	G1/2
12	UNF-SAE	7/8"-14 SAE	9/16"-18 SAE	3/4"-16 SAE

1.油口A,B(进油口，出油口)
2.泄油口L
3.注油口F，可作为泄油口使用
4.第1轴伸，订货型号"F180"
5.固定螺栓M14X1.5，带凸缘六角螺母，用于轮边固定，螺纹长度5-20mm，订货型号“S”

1.Oil ports A and B (oil inlet, oil outlet)
2. Drain port L
3. Oil filling port F, can be used as a drain port
4. First shaft extension, order model "F180"
5. Fixing bolts M14X1.5, with flange hex nuts, used for wheel-side fixing, thread length 5-20mm, order model "S"

法兰壳体：订货型号"E" Flange housing: Order model "E"





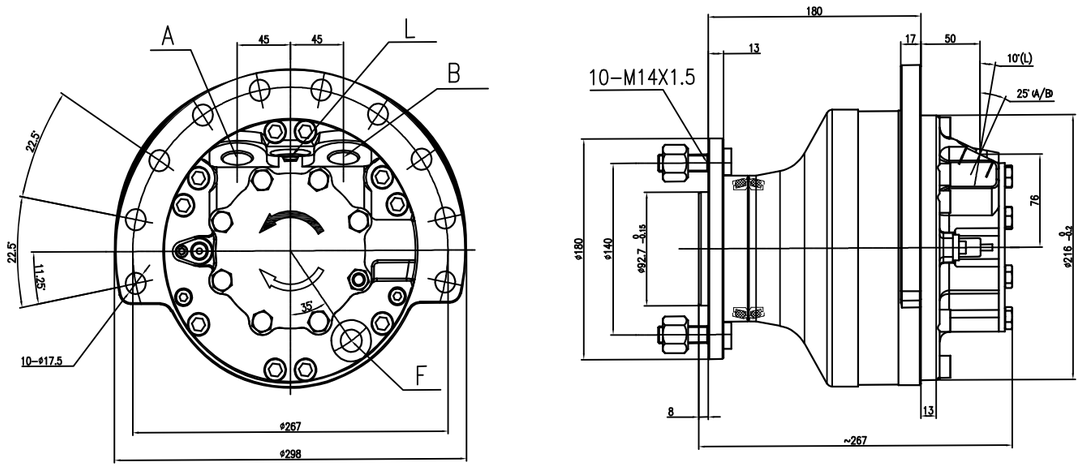
液压连接(连接油口) Hydraulic connection oil port					
编号 NO.	标准 standard	主油口 Main oil port (A,B)	泄油口 Shell drain port (L)	注油口 Oil injection port (F)	制动油口 Brake fluid port (Z)
01	ISO 288/1	G1/2	G3/8	G1/2	G1/4
12	UNF-SAE	7/8"-14 SAE	9/16"-18 SAE	3/4"-16 SAE	9/16-18 SAE

1.油口A,B(进油口，出油口)
2.泄油口L
3.注油口F，可作为泄油口使用
4.第1轴伸为圆柱型ø50mm,订货型号"L50"
5.制动油口Z,用于马达停车制动

1.Oil ports A, B (inlet, outlet)
2. Drain port L
3. Oil fill port F, can be used as a drain port
4. The first shaft extension is cylindrical Ø50mm, Order model "L50"
5.Brake oil port Z, used for motor parking brake

元件尺寸 Component Size

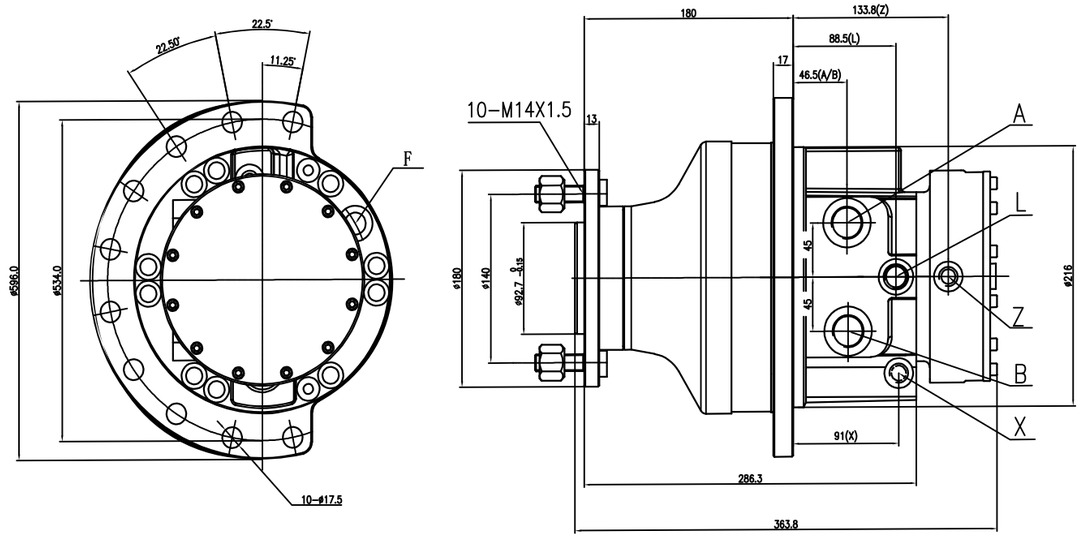
法兰壳体：订货型号"F" Flange housing: Order model "F"



液压连接(连接油口) Hydraulic connection oil port				
编号 NO.	标准 standard	主油口 Main oil port (A,B)	泄油口 Shell drain port (L)	注油口 Oil injection port (F)
01	ISO 288/1	G3/4	G3/8	G1/2
12	UNF-SAE	1 1/16-12 SAE	3/4-16 SAE	3/4-16 SAE

1.油口A,B(进油口，出油口)	1.Oil ports A and B (inlet port, outlet port)
2.泄油口L	2. Oil drain port L
3.注油口F，可作为泄油口使用	3. Oil filling port F, can be used as a drain port
4.第一带法兰轴伸；订货型号"F180"	4. First belt flange shaft extension; order model "F180"
5.固定螺栓M14X1.5	5. Fixing bolts M14X1.5

法兰壳体：订货型号"F"双速控制 Flange Housing: Order Model "F" Dual-Speed Control

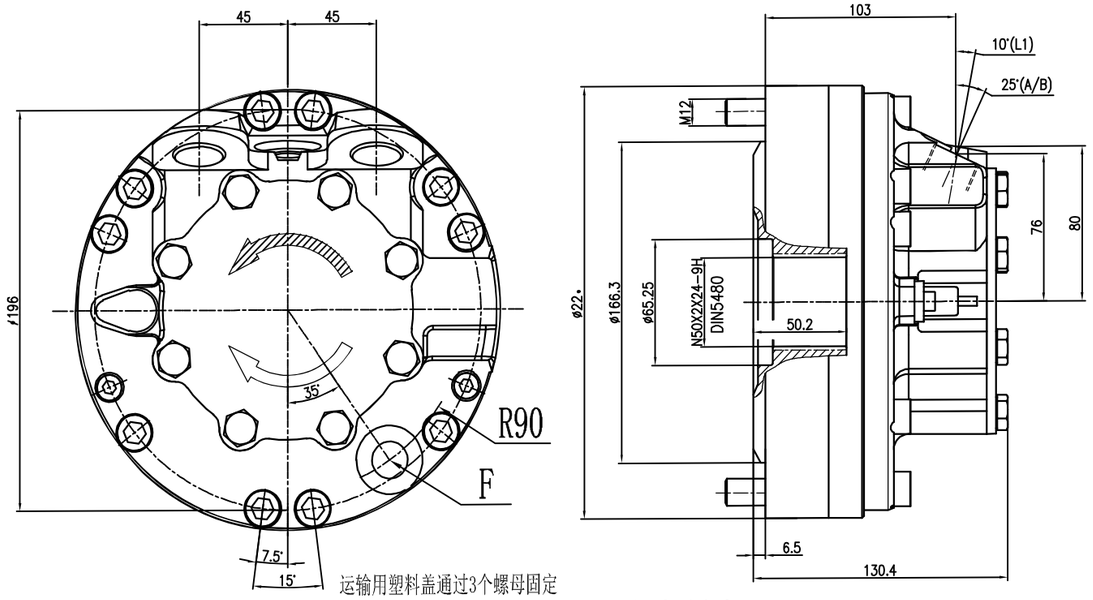


液压连接(连接油口) Hydraulic connection oil port						
编号 NO.	标准 standard	主油口 Main oil port (A,B)	泄油口 Shell drain port (L)	注油口 Oil injection port (F)	变量油口 Variable oil port (X)	制动油口 Brake fluid port (Z)
01	ISO 288/1	G3/4	G3/8	G1/2	G1/4	G1/4
12	UNF-SAE	1 1/16-12 SAE	9/16"-18 SAE	3/4"-16 SAE	9/16-18 SAE	9/16-18 SAE

1.油口A,B(进油口，出油口)	1.Oil port A, B (inlet, outlet)
2.泄油口L	2. Drain port L
3.注油口F，可作为泄油口使用	3. Oil filling port F, can be used as a drain port
4.第一带法兰轴伸，订货型号"F180"	4. First belt flange shaft extension, order model "F180"
5.螺栓M14X1.5	5. Bolt M14X1.5
6.双速控制油口(变量油口)X	6. Two-speed control oil port (variable oil port) X
7.制动油口Z,用于马达停车制动	7.Brake oil port Z, used for motor parking brake

元件尺寸：液压基件
Component size: hydraulic base component

法兰壳体：订货型号"H" Flange housing: Order model "H"



运输用塑料盖通过3个螺母固定
The transport plastic cover is fixed with 3 nuts
油口A=顺时针旋转 Oil port A = rotate clockwise
油口B=逆时针旋转 Oil port B = rotate counterclockwise

1.油口A,B(进油口，出油口)	1.Oil ports A, B (inlet, outlet)
2.泄油口L	2. Oil drain port L
3.注油口F，也可做为泄油口使用	3. Oil filling port F, can also be used as a drain port
4.螺栓M12x1.75x12个	4. Bolts M12x1.75x12 pcs

液压连接(连接油口) Hydraulic connection oil port

编号 NO.	标准 standard	主油口 Main oil port (A,B)	泄油口 Shell drain port (L)	注油口 Oil injection port (F)
01	ISO 288/1	G3/4	G3/8	G1/2
12	UNF-SAE	1 1/16-12 SAE	3/4-16 SAE	3/4-16 SAE

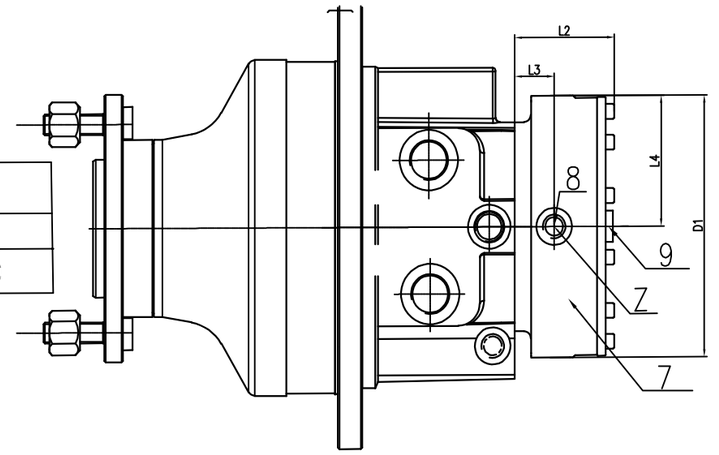
元件尺寸 Component Size

停车制动器(片式制动器) Parking brake (disc brake)

订货说明B3.1,B4 Ordering Instructions B3.1, B4

7.停车制动器(片式制动器)见订货型号B3.1,B4	7.Parking brake (disc brake) see order model B3.1, B4
8.制动器释放油口	8. Brake release oil port
9.停车制动器的机械应急释放螺孔	9. Mechanical emergency release screw hole of the parking brake

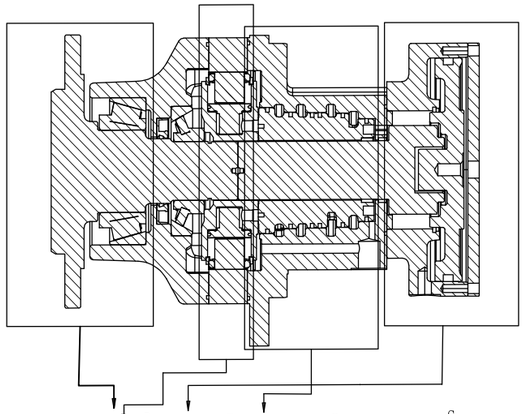
油口 Port	油口尺寸/订货型号 Oil port size / Order model	
	01	12
Z	G1/4	9/16-18 SAE



制动器型号 Brake model	B3.1				
法兰壳体 Flange housing	L2	L3	L4	D1	POS.9
A型 Type A	67.3	22	90	174	M12
C型 Type C	67.3	22	90	174	M12
D型 Type D	67.3	22	90	174	M12
E型 Type E	67.3	22	90	174	M12
F型 Type F	67.3	22	90	174	M12

制动器型号 Brake model	B4				
法兰壳体 Flange housing	L2	L3	L4	D1	POS.9
A型 Type A	82.6	26.5	106	215	M20
C型 Type C	82.6	26.5	106	215	M20
D型 Type D	82.6	26.5	106	215	M20
E型 Type E	82.6	26.5	106	215	M20
F型 Type F	82.6	26.5	106	215	M20

OMCR10马达编号
OMCR10 Motor Number



O M C R — 10 — C — D — F: Z -3X — P: M — S

结构规格
Structural specifications
结构规格10 =10
Structural specifications

法兰壳体
Flange housing

前壳带法兰轴马达 Front case flanged Axial motor		=A
车轮马达	Wheel motor	=F
法兰马达	Flange Motor	=D
液压基件	Hydraulic components	=H

对称内曲线滚道	规格 Specifications	排量 ml/r Displacement
OMCR010	780	780 ml/r
	940	940 ml/r
	1120	1120 ml/r
	1250	1250 ml/r
	1340	1340 ml/r

第一轴伸
First axle shaft

带法兰Ø250 With flange Ø250	F=250
带平键轴060 With flat key shaft 060	L=60
带花键轴Ø75 Splined shaft Ø75	A=75

密封 Sealed

丁晴橡胶密封 Nitrile Rubber Seal =M
适合于 DIN 51 524(HL, HLP)的矿物口油
Mineral oil suitable for DIN 51 524 (HL, HLP)

安装车轮螺栓
Install the wheel bolts

无标记=不带安装车轮螺栓
No mark = without installed wheel bolts

/S=带安装车轮螺栓
/S=With installed wheel bolts

可切换排量
Switchable displacement

1L = 不可切换排量 (单速)
1L = non-switchable displacement (Single speed)
2R = 只能顺时针旋转切换 (单向双速)
2R = Can only switch by rotating clockwise (One-way dual speed)
2L = 只能逆时针旋转切换 (单向双速)
2L = Can only be rotated counterclockwise to switch (One-way dual speed)
2WL = 顺时针，逆时针都可旋转切换 (双向双速)
2L = Can be rotated and switched clockwise or counterclockwise (Two-way, two-speed)

油口
Port

11=管螺纹ISO 288/1
11 = Threaded pipe ISO 288/1
42=UNF-SAE螺纹
42=UNF-SAE Thread

制动器安装
Brake installation

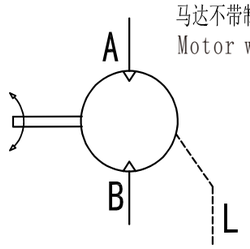
无制动器	No brake	=A0
液压释放停车制动器 (弹簧加载一片式制动器)	Hydraulic release parking brake Spring-loaded one-piece brake	=B7

无第二轴伸 No second axle =Z

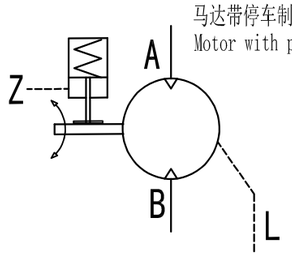
氟化橡胶密封	Fluorinated rubber seal	1
已安装速度传感器	Speed sensor installed	2
泄油口	Oil drain port	5
工业轴承支撑	Industrial bearing support	6
预留速度传感器位置	Predisposition for speed sensor	7
恶劣工况	Bad condition	C
特殊喷漆或无喷漆	Special paint or no paint	D
加强轴封	Reinforced sealing	E
高效率	High efficiency	H
加强轴肩	Reinforced shaft shoulder	J

液压马达机能符号
Hydraulic motor function symbol

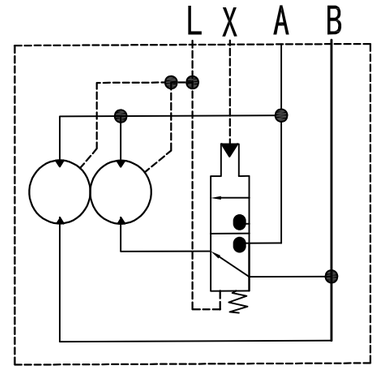
马达不带制动器
Motor without brake



马达带停车制动器
Motor with parking brake

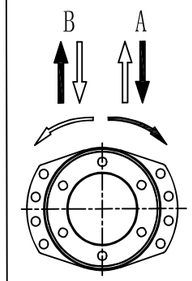


双速马达
Dual-speed motor

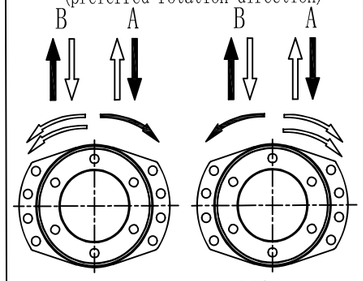


旋转方向(从输出轴上看)
Rotation direction (as seen from the output shaft)

标准型式
Standard type

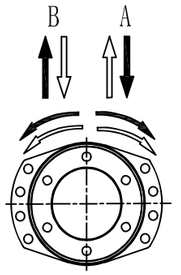


可切换排量(优选旋转方向)
Switchable displacement
(preferred rotation direction)



订货型号...2L
Order Model...2L

订货型号...2R
Order Model...2R



订货型号...2WL
Order Model...2WL

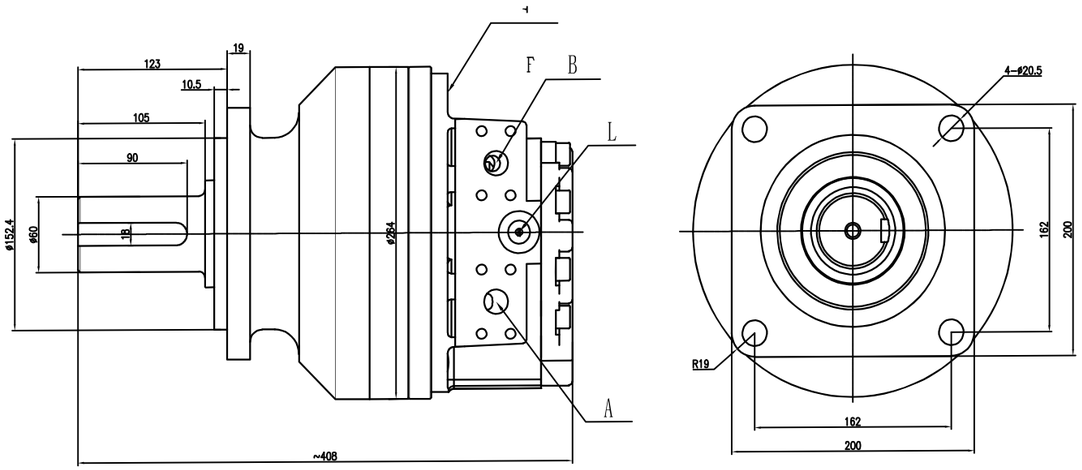
OMCR10
技术性能参数(对称内曲线滚道)
Technical performance parameters(symmetrical inner curved raceway)

对称曲线滚道 Cams with equal lobes	型号 model	规格 Specifications	排量 Displacement ml/r	压力/Pressure MPA 额定压力 Rated Pressure	压力/Pressure MPA 尖峰压力 Max. pressure	扭矩/Torque N.m 额定扭矩 Peak Torque	扭矩/Torque N.m 单位扭矩 Unit Torque	转速/Speed r/min 额定转速 Rated Rotational Speed	转速/Speed r/min 转速范围 Rotational Speed Range	连续输出功率 Continuous output power
	OMCR10	780	780 ml/r	25	31.5	3100	124	80	0-170	44
		940	940 ml/r	25	31.5	3725	149	70	0-150	44
		1120	1120 ml/r	25	31.5	4450	178	70	0-150	44
		1250	1250 ml/r	25	31.5	4975	199	65	0-140	50
		1340	1340 ml/r	25	31.5	5325	213	55	0-120	50

元件尺寸 Component Size

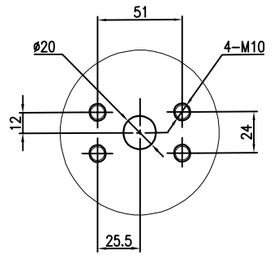
法兰壳体：订货型号"D" Flange housing: Order model "D"

单速 Single speed



液压连接(连接油口) Hydraulic connection oil port				
编号 NO.	标准 standard	主油口 Main oil port (A,B)	泄油口 Shell drain port (L)	注油口 Oil injection port (F)
01	ISO 288/1	G3/4 SAE	G1/2	G1/2
12	UNF-SAE	G3/4 SAE	3/4-16 SAE	3/4-16 SAE

主油口连接尺寸
Main oil port connection size



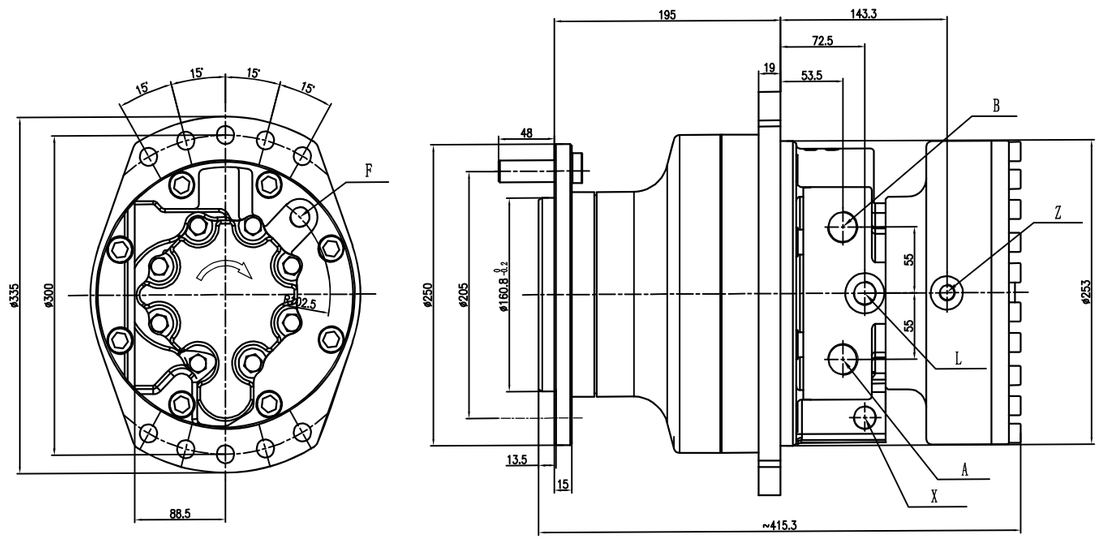
1.油口A,B(进油口，出油口)
2.泄油口L
3.注油口F，可作为泄油口使用
4.轴伸直径ø60，带平键，订货型号"L60"

1.Oil ports A and B (inlet port, outlet port)
2. Drain port L
3. Filling port F, can be used as a drain port
4. Shaft diameter ø60, with flat key, order model "L60"

元件尺寸 Component Size

法兰壳体：订货型号"F" Flange housing: Order model "F"

双速 Dual speed



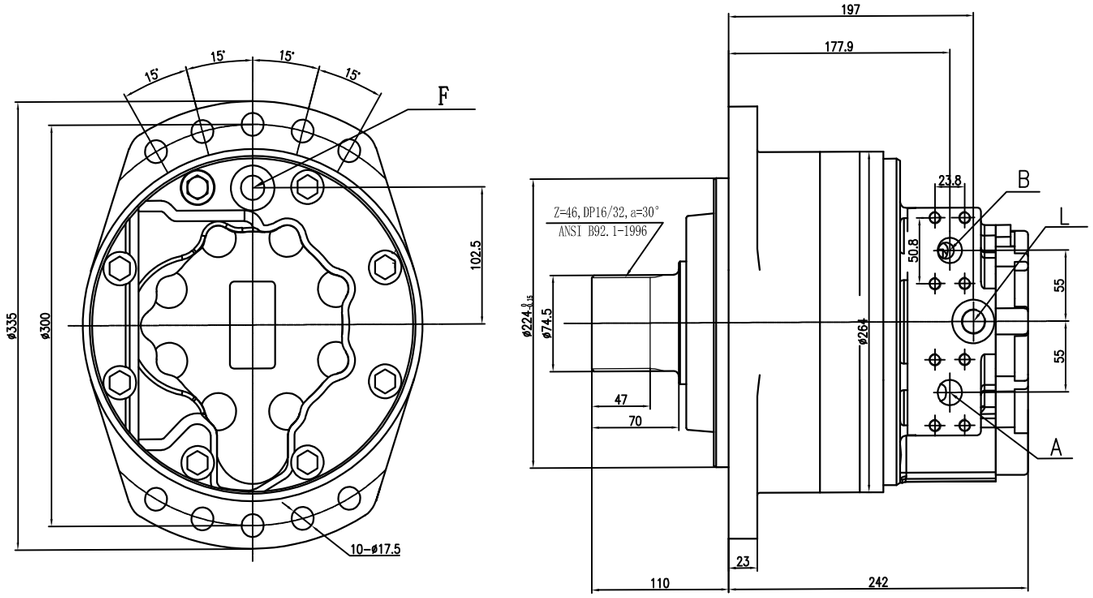
液压连接(连接油口) Hydraulic connection oil port						
编号 NO.	标准 standard	主油口 Main oil port (A,B)	泄油口 Shell drain port (L)	注油口 Oil injection port (F)	变量控制油口 Variable controls the oil port (X)	制动油口 Brake oil port (X)
01	ISO 288/1	G3/4 SAE	G1/2	G1/2	G3/8	G3/8
12	UNF-SAE	G3/4 SAE	3/4-16 SAE	3/4-16 SAE	9/16-18 SAE	9/16-18 SAE

1.油口A,B(进油口，出油口)
2.泄油口L
3.灌油口F，可作为泄油口使用
4.变量控制油口，用于调节排量 订货型号 2L,2R,2WL
5.带法兰伸轴，订货型号"F250"
6.M18x1.5螺栓带螺母，用于车轮固定，订货型号../S..

1.Oil port A and B (inlet and outlet)
2. Drain port L
3. Filling port F, can also be used as a drain port
4. Variable control oil port, used to adjust displacement, order model 2L, 2R, 2WL
5. Flanged extended shaft, order model "F250"
6. M18x1.5 bolts with nuts, used for wheel fixation, order model ../S.. ...

元件尺寸 Component Size

法兰壳体：订货型号"A" Flange housing: Order model "A"



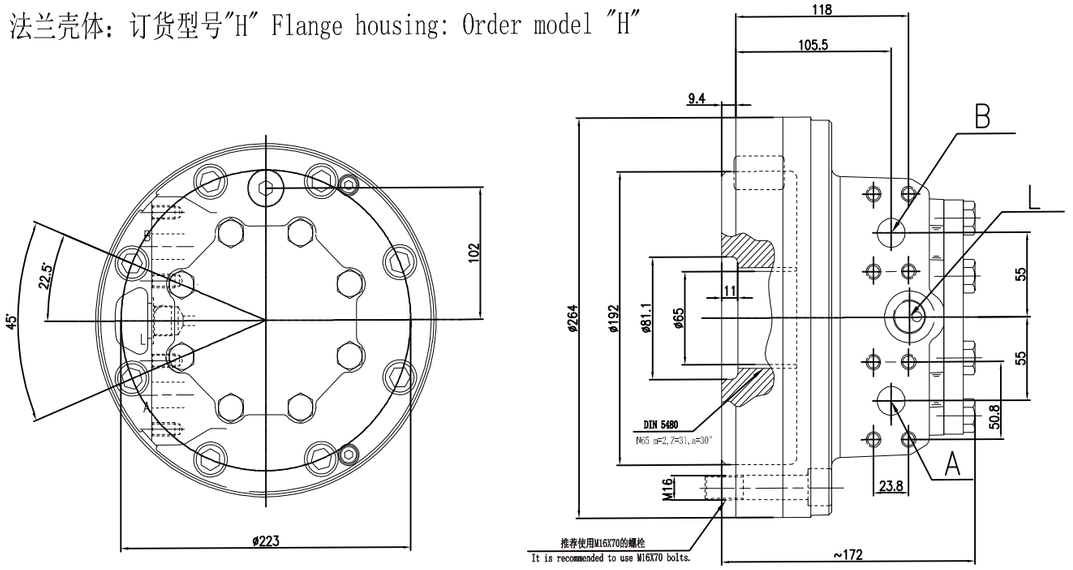
液压连接(连接油口) Hydraulic connection oil port				
编号 NO.	标准 standard	主油口 Main oil port (A,B)	泄油口 Shell drain port (L)	注油口 Oil injection port (F)
01	ISO 288/1	G3/4 SAE	G1/2	G1/2
12	UNF-SAE	G3/4 SAE	3/4-16 SAE	3/4-16 SAE

1.油口A,B(进油口，出油口)	1.Oil ports A and B (inlet port, outlet port)
2.泄油口L	2. Drain port L
3.注油口F，可作为泄油口使用	3. Filling port F, can be used as a drain port
4.轴伸直径Ø75，带花键，订货型号"A75"	4. Shaft diameter Ø75, with spline, order model "A75"

元件尺寸：液压基件

Component size: hydraulic base component

法兰壳体：订货型号"H" Flange housing: Order model "H"



运输用塑料盖通过螺母固定

The transport plastic cover is fixed with nuts

油口A=顺时针旋转 Oil port A = rotate clockwise

油口B=逆时针旋转 Oil port B = rotate counterclockwise

1.油口A,B(进油口，出油口)	1.Oil ports A, B (inlet, outlet)
2.泄油口L	2. Oil drain port L
3.注油口F，也可做为泄油口使用	3. Oil filling port F, can also be used as a drain port
4.螺栓M16 8个	4. Bolts M16 8pcs

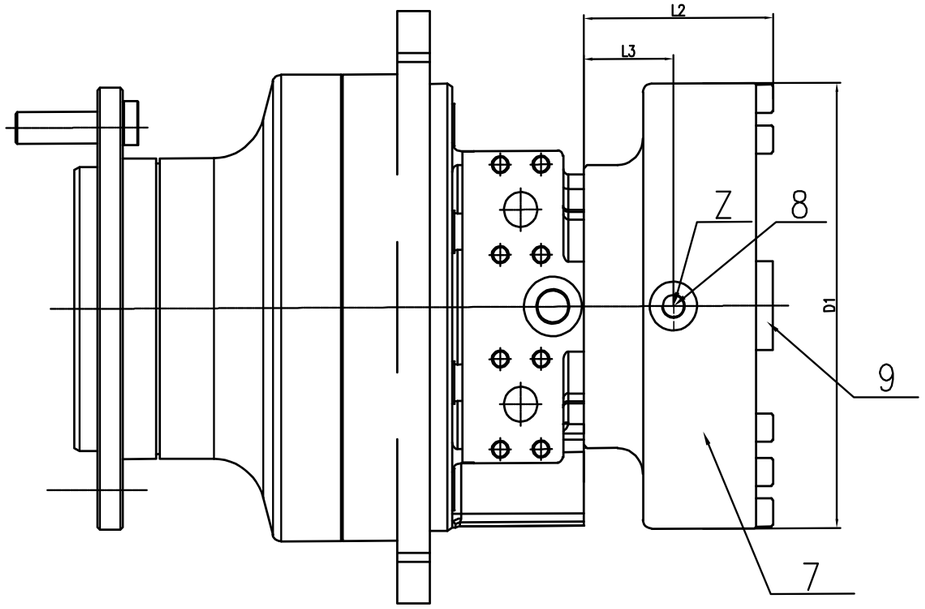
液压连接(连接油口) Hydraulic connection oil port				
编号 NO.	标准 standard	主油口 Main oil port (A,B)	泄油口 Shell drain port (L)	注油口 Oil injection port (F)
01	ISO 288/1	G3/4 SAE	G1/2	G1/2
12	UNF-SAE	G3/4 SAE	3/4-16 SAE	3/4-16 SAE

元件尺寸 Component Size

停车制动器(片式制动器) Parking brake (disc brake)

订货说明B7　　Ordering Instructions B7

7.停车制动器(片式制动器)见订货型号B7	7.Parking brake (disc brake) see order model B7
8.制动器释放油口Z	8. Brake release oil port Z
9.停车制动器的机械应急释放螺孔	9. Mechanical emergency release screw hole of the parking brake

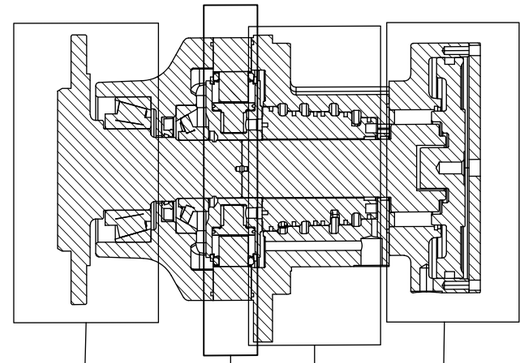


制动器型号 Brake model	B7			
法兰壳体 Flange housing	L2	L3	D1	POS.9
D型 Type D	95.6	29	251	M12
F型 Type F	95.6	29	251	M12

油口 Port	油口尺寸/订货型号 Oil port size / Order model	
	01	12
Z	G3/8	9/16-18 SAE

OMCR15马达编号

OMCR15 Motor Number



OMCR — C 15 — D — F Z1-3X — P M — S

结构规格 Structural specifications
结构规格15 Structural specifications =15

法兰壳体 Flange housing

前壳带法兰轴马达 Front case flanged Axial motor =A
车轮马达 Wheel motor =F
液压基件 Hydraulic components =H

对称内曲线滚道 OMCR010	规格 Specifications	排量 ml/r Displacement
	1130	1130 ml/r
	1250	1250 ml/r
	1500	1500 ml/r
	1780	1780 ml/r
	2150	2150 ml/r

第一轴伸 First axle shaft

带法兰Ø280 With flange Ø280 F=280
带花键轴Ø80 Splined shaft Ø80 A=80

无第二轴伸 No second axle =Z

密封 Sealed

丁晴橡胶密封 Nitrile Rubber Seal =N
适合于 DIN 51 524(H1, HLP)的矿物口油 Mineral oil suitable for DIN 51 524 (H1, HLP)

安装车轮螺栓 Install the wheel bolts

无标记=不带安装车轮螺栓 No mark = without installed wheel bolts
/S=带安装车轮螺栓 /S=With installed wheel bolts

可切换排量 Switchable displacement

1L = 不可切换排量 （单速） 1L = non-switchable displacement (Single speed)
2R = 只能顺时针旋转切换 （单向双速） 2R = Can only switch by rotating clockwise (One-way dual speed)
2L = 只能逆时针旋转切换 （单向双速） 2L = Can only be rotated counterclockwise to switch (One-way dual speed)
2WL = 顺时针，逆时针都可旋转切换 （双向双速） 2L = Can be rotated and switched clockwise or counterclockwise (Two-way, two-speed)

油口 Port

11=管螺纹ISO 288/1 11 = Threaded pipe ISO 288/1
42=UNF-SAE螺纹 42=UNF-SAE Thread

制动器安装 Brake installation

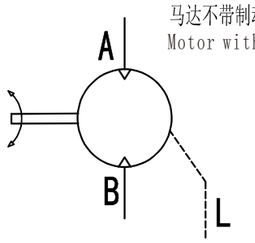
无制动器 No brake =A0

氟化橡胶密封	Fluorinated rubber seal	1
已安装速度传感器	Speed sensor installed	2
泄油口	Oil drain port	5
工业轴承支撑	Industrial bearing support	6
预留速度传感器位置	Predisposition for speed sensor	7
恶劣工况	Bad condition	C
特殊喷漆或无喷漆	Special paint or no paint	D
加强轴封	Reinforced sealing	E
高效率	High efficiency	H
加强轴肩	Reinforced shaft shoulder	J

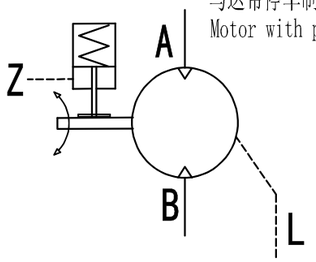
液压马达机能符号

Hydraulic motor function symbol

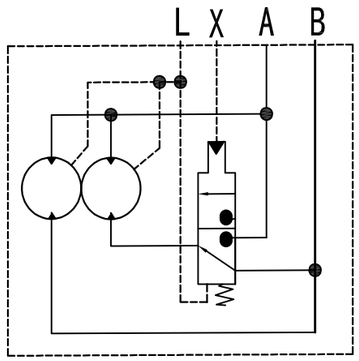
马达不带制动器
Motor without brake



马达带停车制动器
Motor with parking brake

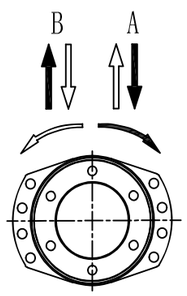


双速马达
Dual-speed motor

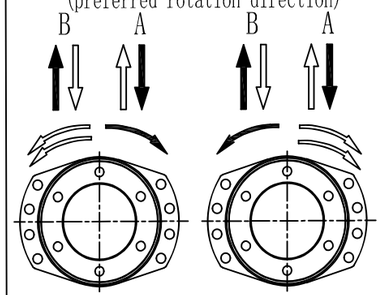


旋转方向(从输出轴上看)
Rotation direction (as seen from the output shaft)

标准型式
Standard type

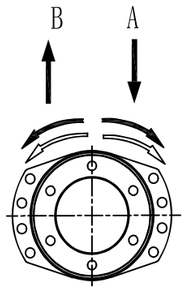


可切换排量(优选旋转方向)
Switchable displacement
(preferred rotation direction)



订货型号...2L
Order Model...2L

订货型号...2R
Order Model...2R



订货型号...2WL
Order Model...2WL

OMCR15

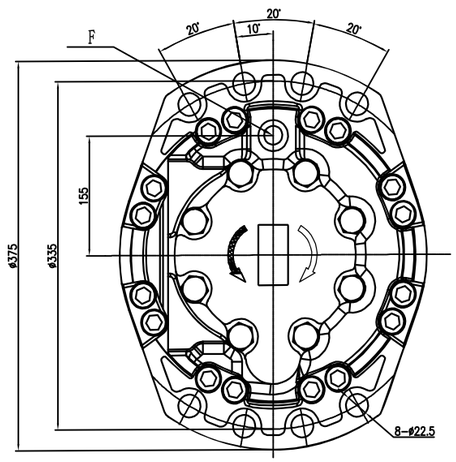
技术性能参数(对称内曲线滚道)
Technical performance parameters(symmetrical inner curved raceway)

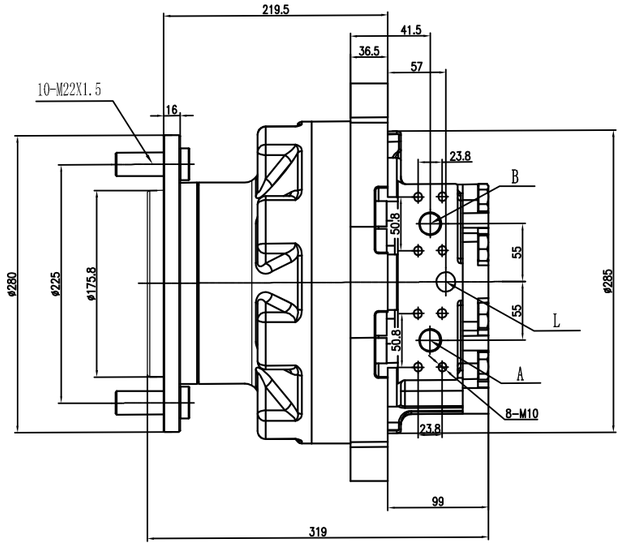
对称曲线滚道 Cams with equal lobes	型号 model	规格 Specifications	排量 Displacement ml/r	压力/Pressure MPA 额定压力 Rated Pressure	压力/Pressure MPA 尖峰压力 Max. pressure	扭矩/Torque N.m 额定扭矩 Peak Torque	扭矩/Torque N.m 单位扭矩 Unit Torque	转速/Speed r/min 额定转速 Rated Rotational Speed	转速/Speed r/min 转速范围 Rotational Speed Range	连续输出功率 Continuous output power
	OMCR15	1130	1130 ml/r	25	31.5	4475	179	70	0-150	55
		1250	1250 ml/r	25	31.5	4975	199	70	0-150	55
		1500	1500 ml/r	25	31.5	5950	238	70	0-150	55
		1780	1780 ml/r	25	31.5	7075	283	60	0-125	60
		2150	2150 ml/r	25	31.5	8550	342	60	0-125	60

元件尺寸 Component Size

法兰壳体：订货型号"F" Flange housing: Order model "F"

单速 Single speed



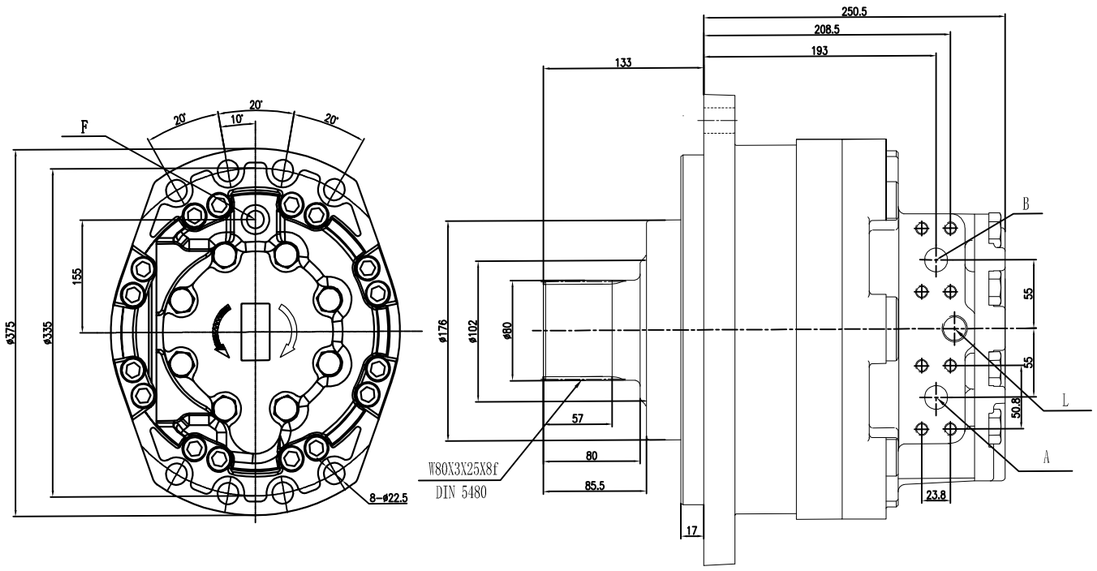


液压连接(连接油口) Hydraulic connection oil port				
编号 NO.	标准 standard	主油口 Main oil port (A,B)	泄油口 Shell drain port (L)	注油口 Oil injection port (F)
01	ISO 288/1	G3/4 SAE	G1/2	G1/2
12	UNF-SAE	G3/4 SAE	3/4-16 SAE	3/4-16 SAE

1.油口A,B(进油口，出油口)	1.Oil ports A and B (inlet, outlet)
2.泄油口L	2. Oil drain port L
3.注油口F，可作为泄油口使用	3. Oil filling port F, can be used as oil drain port
4.螺栓为M22X1.5带螺母，用于车轮固定，订货型号../S..	4. Bolts are M22X1.5 with nuts, used for wheel fastening, order model ../S..

法兰壳体：订货型号"A" Flange housing: Order model "A"

双速 Dual speed



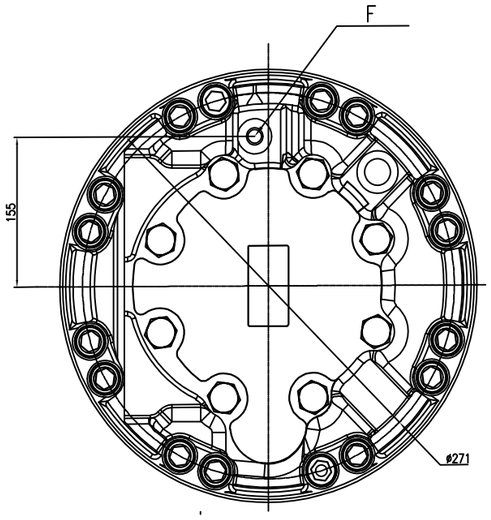
液压连接(连接油口) Hydraulic connection oil port				
编号 NO.	标准 standard	主油口 Main oil port (A,B)	泄油口 Shell drain port (L)	注油口 Oil injection port (F)
01	ISO 288/1	G3/4 SAE	G1/2	G1/2
12	UNF-SAE	G3/4 SAE	3/4-16 SAE	3/4-16 SAE

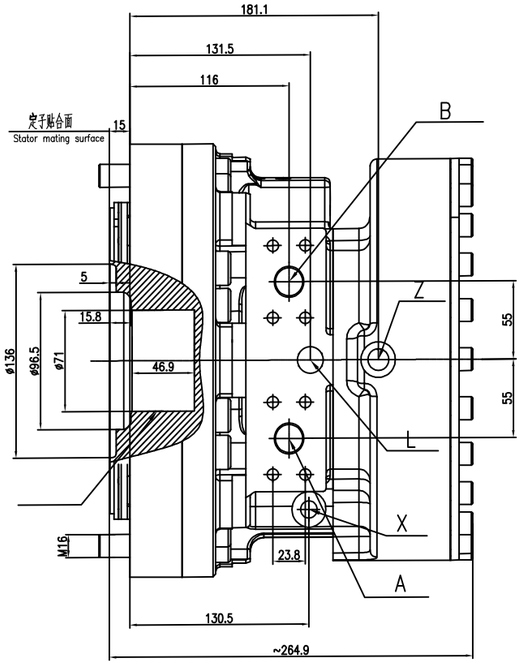
1.油口A,B(进油口，出油口)	1.Oil ports A and B (inlet, outlet)
2.泄油口L	2. Oil drain port L
3.注油口F，可作为泄油口使用	3. Oil filling port F, can be used as oil drain port
4.轴伸直径Ø80,带花键，订货型号"A80"	4. Shaft diameter Ø80, with spline, order model "A80"

元件尺寸：液压基件

Component size: hydraulic base component

法兰壳体：订货型号"H" Flange housing: Order model "H"





运输用塑料盖通过螺母固定

The transport plastic cover is fixed with nuts

油口A=顺时针旋转 Oil port A = rotate clockwise

油口B=逆时针旋转 Oil port B = rotate counterclockwise

1.油口A,B(进油口，出油口)	1.Oil ports A, B (inlet, outlet)
2.泄油口L	2. Oil drain port L
3.注油口F，也可做为泄油口使用	3. Oil filling port F, can also be used as a drain port
4.螺栓M16 8个	4. Bolts M16 8pcs

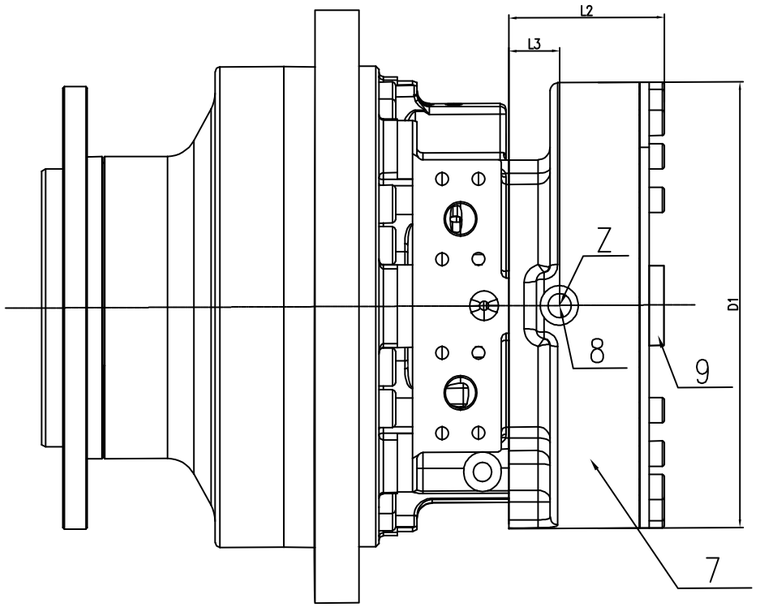
液压连接(连接油口) Hydraulic connection oil port						
编号 NO.	标准 standard	主油口 Main oil port (A,B)	泄油口 Shell drain port (L)	注油口 Oil injection port (F)	变量油口 Variable oil port (X)	制动油口 Brake fluid port (X)
01	ISO 288/1	G3/4 SAE	G1/2	G1/2	G3/8	G3/8
12	UNF-SAE	G3/4 SAE	3/4-16 SAE	3/4-16 SAE	9/16-18 SAE	9/16-18 SAE

元件尺寸 Component Size

停车制动器(片式制动器) Parking brake (disc brake)

订货说明B7 Ordering Instructions B7

7.停车制动器(片式制动器)见订货型号B7	7.Parking brake (disc brake) see order model B7
8.制动器释放油口Z	8. Brake release oil port Z
9.停车制动器的机械应急释放螺孔	9. Mechanical emergency release screw hole of theparking brake



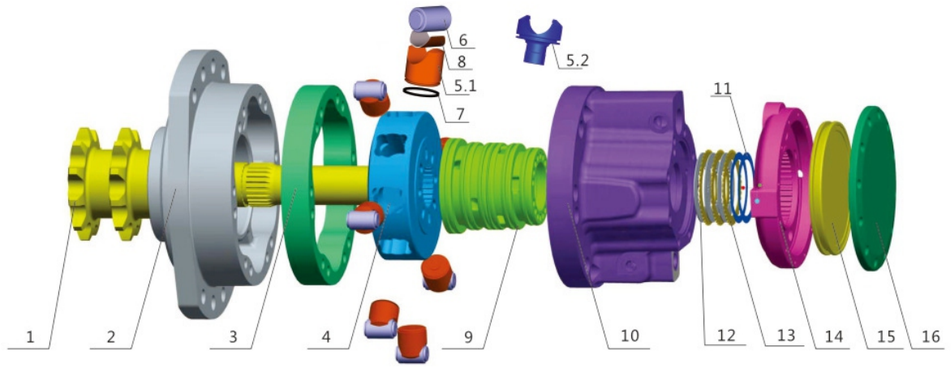
制动器型号 Brake model	B7			
法兰壳体 Flange housing	L2	L3	D1	POS.9
A型 Type A	102	33	251	M24
F型 Type F	102	33	251	M24

油口 Port	油口尺寸/订货型号 Oil port size / Order model	
	11	42
Z	G3/8	9/16-18 SAE

零配件/Parts



产品详细介绍
Products are introduced in detail



零件名称表/Parts list

序号(ITEM)	部件名称(DESCRIPTION)	数量(QUANTITY)	备注(REMARK)	序号(ITEM)	部件名称(DESCRIPTION)	数量(QUANTITY)	备注(REMARK)
1	传动轴 DRIVE SHAFT	1		9	配流轴 DISTRIBUTOR	1	
2	前盖 FRONT COVER	1		10	后盖 REAR COVER	1	
3	定子 STATOR	1		11	调节垫片 ADJUSTING SHIM	2	
4	转子 ROTOR	1		12	动摩擦片 DYNAMIC FRICTION	13	
5.1	柱塞 PLUNGER PISTON	8		13	静摩擦片 STATIC FRICTION	15	
5.2	柱塞 PLUNGER PISTON	8		14	制动缸 BRAKE CYLINDER	1	
6	滚子 ROLLER	8	OMCR05	15	制动活塞 BRAKE PLUNGER	1	
7	活塞环 PISTON RING	8	OMCRE05	16	制动缸盖 COVER PLATE	1	
8	无油轴承 BUSHING	8					