www.nbosj.com　www.china-osj.cn

欢迎登录我们的网站
Welcome to our website

内曲线径向柱塞液压马达
Hydraulic Piston Motor





宁波欧士杰液压传动有限公司

地址：宁波市镇海区九龙湖镇长石三星工业区
电话：0574-86527596　86527598　86526670
传真：0574-86520542
邮编：315202
网址：www.nbosj.com　www.china-osj.cn

NINGBO OUSHIJIE HYDRAULIC TRANSMISSION CO.,LTD.

Add: Sanxing Industrial Zone, Changshi, Jiulonghu Town, Zhenhai District, Ningbo
Tel：86-0574-86527596　86527598　86526670
Fax：86-0574-86520542
P.C：315202
Http：www.nbosj.com　www.china-osj.cn

宁波欧士杰液压传动有限公司
NINGBO OUSHIJIE HYDRAULIC TRANSMISSION CO.,LTD.

样册解释权为本公司所有，如有变更恕不另行通知。
The right to interpret the sample book is owned by our company, and any changes will be made without prior notice.





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.

www.nbosj.com
www.china-osj.cn

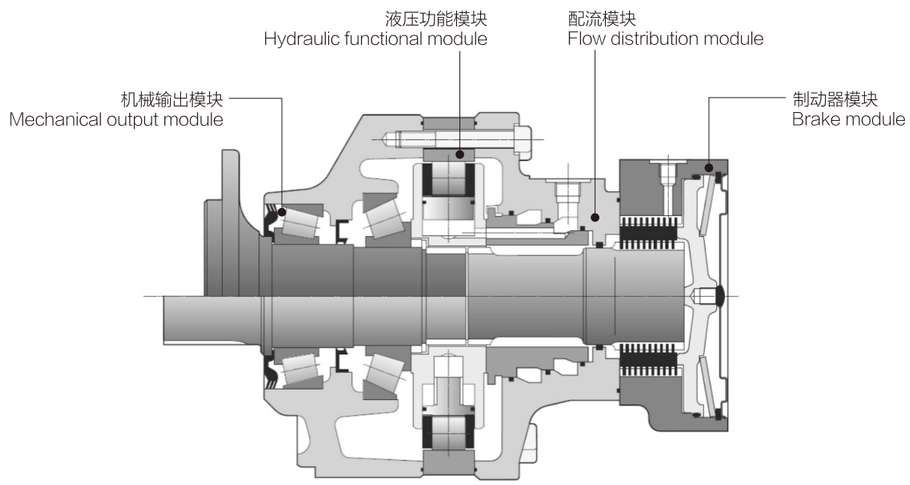
目录 Contents

1	OMS(E) 液压马达说明 OMS(E) Description of hydraulic motor	P 01-02
2	OMS(E)02 液压马达 OMS(E)02 Hydraulic motor	P 03-07
3	OMS(E)05 液压马达 OMS(E)05 Hydraulic motor	P 08-12
4	OMS(E)08 液压马达 OMS(E)08 Hydraulic motor	P 13-17
5	OMS(E)11 液压马达 OMS(E)11 Hydraulic motor	P 18-22
6	OMS(E)18 液压马达 OMS(E)18 Hydraulic motor	P 23-27
7	OMS25 液压马达 OMS25 Hydraulic motor	P 28-32
8	OMS35 液压马达 OMS35 Hydraulic motor	P 33-37
9	OMS50 液压马达 OMS50 Hydraulic motor	P 38-42
10	OMS83 液压马达 OMS83 Hydraulic motor	P 43-47
11	OMS125 液压马达 OMS125 Hydraulic motor	P 48-53
12	OMS(E) 液压马达零配件 OMS(E) Hydraulic motor spare parts	P 54



马达结构示意图 Schematic diagram of motor structure

OMS系列低速大扭矩液压马达是内曲线多作用径向柱塞马达，如下图：
OMS Series Low Speed and High Torque Hydraulic Motors are internal curve multi-action radial plunger motors,as shown in the following figure:



OMS系列液压马达是以上四部分为基础的模块化结构，可根据用户或系统要求进行组合。
OMS Series Hydraulic Motor is a modular structure based on the above four parts, which can be combined according to user or system requirements.

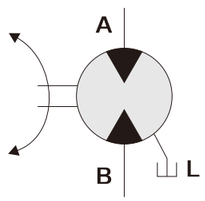
应用领域 Application field

OMS型马达已形成了8个系列80多种规格，排量范围376-10019mL/r，可广泛应用于工程机械，建筑机械、矿山机械、起重运输设备、重型冶金机械、地质钻探等设备、特别适用于履带、车轮行车机构的驱动和各种绞车、液压回转装置。

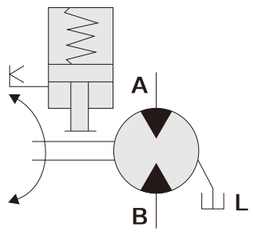
OMS motor has formed 8 series and more than 80 specifications with a displacement range of 376-10019mL/r. It can be widely used in construction machinery, construction machinery, mining machinery, lifting and transportation equipment, heavy metallurgical machinery, geological drilling and other equipment, especially for driving crawler and wheel driving mechanism, winches and hydraulic rotary devices.

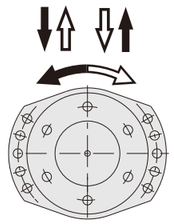
机能符号 Functional symbol

双速马达
Two-speed motor



带刹车制动器
Brake with brake





旋转方向（从输出轴端看）
Rotation direction
(from the output shaft end)

选用原则 Selection principle

1. 马达长期工作压力低于额定压力。
2. 马达实际输出功率小于样本上所标的马达最大的功率。
3. 为使马达长期可靠地工作，最好将马达的工况选定在高效区（见样本特性曲线），并注意马达的启动效率比额定工况下的效率要低。
4. 马达的排量应尽量选用各基型中的O组排量。

1. The long-term working pressure of the motor is lower than the rated pressure.
2. The actual output power of the motor is less than the maximum power of the motor marked on the sample.
3. In order to make the motor work reliably for a long time, it is best to select the condition of the motor in the high efficiency area (see the sample characteristic curve), and pay attention to the low starting efficiency of the motor compared with the rated condition.
4. The displacement of the motor should try to choose the O group displacement in each basic type.

安装要求 Installation requirements

1. 液压马达可以任意安装，安装马达的支架必须有足够的刚性，安装时应保证液压马达所联接的传动轴与输出轴同心。
2. 泄露：泄油口应单独直接回油箱，一般情况下壳体允许最大压力为0.05Mpa，如用户有自由轮工况要求时，向本公司咨询，特殊订购。
3. 液压马达首次启动前，必须向马达壳体内注满液压油，以防损坏马达，同时泄油管的最高水平位置应高于马达壳体的最高水平位置，以防马达内的油液排空。

1. The hydraulic motor can be installed at will. The bracket for installing the motor must have enough rigidity. When installing, it should ensure that the transmission shaft connected by the hydraulic motor is concentric with the output shaft.
2. Leakage: The oil drain port should be directly returned to the oil tank separately. Under normal circumstances, the maximum allowable pressure of the shell is 0.05 Mpa. If the user has the requirement of free wheel condition, consult our company for special order.
3. Before starting the hydraulic motor for the first time, hydraulic oil must be filled into the motor housing to prevent damage to the motor. The highest horizontal position of the oil drain pipe should be higher than the highest horizontal position of the motor housing to prevent the oil in the motor from being emptied.

马达特点 Motor characteristics

1.模块化设计
整体结构按模块化设计，片式叠装，分机械输出装置，液压功能装置，机械制动装置三部分，因此能方便与各种主机优化配套。

2.效率高
采用多作用平面配流技术，对压力和温度敏感度低，自动补偿配流摩擦副间的磨损，从而长时期保证马达很高的容积效率，同时采用滚柱，柱塞结构，传力简单，摩擦副少，提高了机械效率。

3.工作压力高，低速性能好，具备自由轮工况
最高压力可达40Mpa，由于传力机构惯量小，柱塞副由柱塞环密封，因而启动效率高，低速性能好，最低稳定转速≤0.5rpm。

4.可承受径向和轴向负荷
采用独立设置机械输出装置，轴承和输出轴的直径尺寸都很大，并且液压功能装置径向力平衡是由纯扭矩输出，因而马达可承受较大的轴向力和径向力，可以是直接齿轮输出或直接布置在车辆驱动轮上。

5.可带机械制动器
采用模块化片式结构，叠加机械制动装置十分简便，实现输出轴直接安全制动和停车制动。

1. Modular design
The whole structure is modularized and stacked, which is divided into three parts: mechanical output device, hydraulic function device and mechanical braking device, so it is convenient to optimize and match with various mainframes.

2. Efficiency
The multi-action plane flow distribution technology is adopted, which has low sensitivity to pressure and temperature, and automatically compensates the wear between flow distribution friction pairs, thus ensuring high volumetric efficiency of the motor for a long time. The roller and plunger structure is adopted, which makes the force transmission simple, has few friction pairs, and improves the mechanical efficiency.

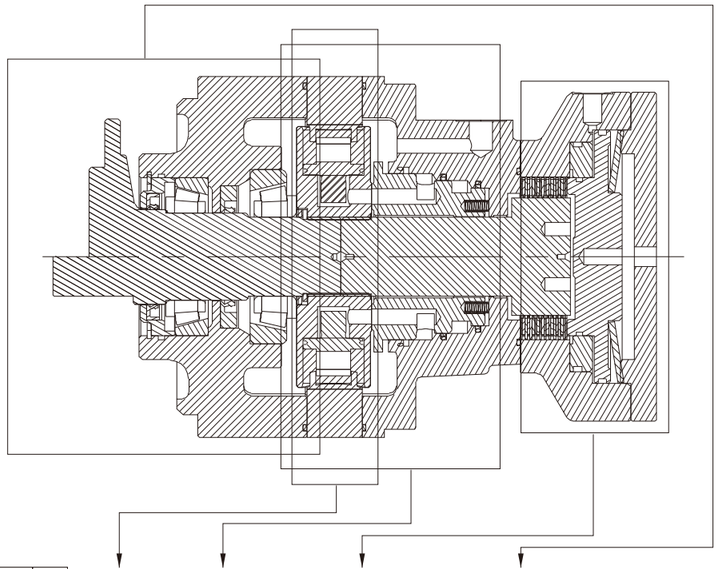
3. High working pressure, good low speed performance and free wheel condition
The maximum pressure can reach 40Mpa. Because the inertia of the force transmission mechanism is small and the plunger pair is sealed by the plunger ring, the starting efficiency is high, the low-speed performance is good, and the minimum stable speed is ≤0.5rpm.

4. Able to withstand radial and axial loads
With independent mechanical output devices, the diameter dimensions of bearings and output shafts are very large, and the radial force balance of hydraulic functional devices is output by pure torque, so the motor can bear larger axial force and radial force, which can be directly output by gears or directly arranged on the driving wheels of vehicles.

5. Mechanical brakes available
Adopting modular plate structure, superimposing mechanical braking device is very simple, which can realize direct safety braking and parking braking of output shaft.

www.china-osj.cn

马达编号



OMS02 C D F P S

OMSE02

配流体
单排量配流体 1
双排量配流体 D 排量比 2
双排量配流体 E 顺时针旋转
双排量配流体 F 逆时针旋转

底盘安装
不带安装耳 1
腰形安装耳 2
蹄形安装耳 3
方形安装耳 4

对称内曲线滚道	型号	序号	排量ml/r	
			1	2
	OMS02	8	172	86
		0	213	107
		1	235	118
		2	255	128
	OMSE02	0	332	166
		2	398	199

液压连接油口
ISO 11926-1 连接 A
ISO 1179-1 连接 3
ISO 9974-1 连接 4
(D:详见P7)

带制动器	F	0	3
无制动器(加强端盖)	R	0	2

(F:详见P7)

输出形式
无轴承支撑 0
0 0 0 0
无安装耳(轮式) 1
带安装耳(轴式) 2

轴承支撑类型
无伸出轴 0
5 x Ø18，Ø140 1
10 x M12，Ø100 2
5 x Ø18，Ø130 7
伸出轴轴承支撑 A
双出轴轴承支撑 S
通轴轴承支撑 T

轮式
无螺栓 1
螺栓螺母 2
螺栓 3
M螺纹孔 4

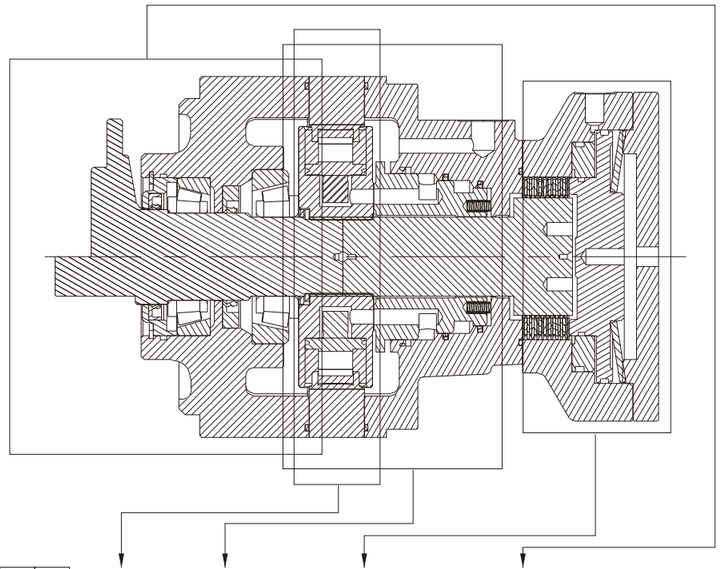
轴式
NFE22141 花键轴 1
DIN 5480花键轴 5
双排链轮轴 C
(P:详见P6)

待研发 0
(鼓式制动器)

底盘安装
无选项 0
氟化橡胶密封 1
T4 速度传感器(不带转动方向选项) 2
不带机械解除制动的端盖 3
泄油口 5
工业轴承支撑 6
预留速度传感器位置 8
空心轴 A
轴承支撑上带泄油口 B
恶劣工况 C
特殊喷漆或无喷漆 D
加强轴封 E
特殊轮辋安装 G
高效率 H
加强轴肩 J
高速 M
TD 速度传感器(两相交变频率) Q
TR 速度传感器(带数字式转动方向项) S

www.nbosj.com

Motor number



OMS02 C D F P S

OMSE02

Distribution fluid
Single displacement distribution fluid 1
Double displacement fluid distribution D
Displacement ratio 2
Double displacement fluid distribution E
Rotate clockwise
Double displacement fluid distribution F
Rotate counterclockwise

Chassis installation
Without mounting lug 1
Waist mounting lug 2
Hoof-shaped mounting lug 3
Square mounting lug 4

Symmetrical inner curved raceway	Model	No.	Displacement ml/r	
			1	2
	OMS02	8	172	86
		0	213	107
		1	235	118
		2	255	128
	OMSE02	0	332	166
		2	398	199

Hydraulic connection oil port
ISO 11926-1 Connection A
ISO 1179-1 Connection 3
ISO 9974-1 Connection 4
D: See P7 for details

Belt brake	F	0	3
No brake (reinforced end cap)	R	0	2

F: See P7 for details

Output form
Bearingless support 0
0 0 0 0
No mounting lug (wheeled) 1
With mounting lug (shaft type) 2

Type of bearing support
Non-protruding shaft 0
5 x Ø18，Ø140 1
10 x M12，Ø100 2
5 x Ø18，Ø130 7
Extended shaft bearing support A
Double outlet bearing support S
Through shaft bearing support T

Wheeled type
Bolt-free 1
Bolts and nuts 2
Bolt 3
M threaded hole 4

To be developed 0
(Drum brake)

Chassis installation

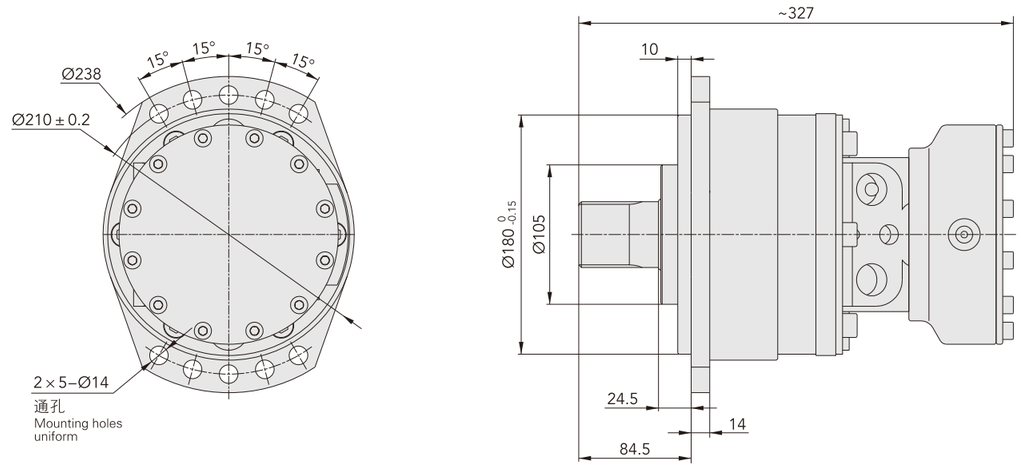
Axial type
NFE22141 Spline shaft 1
DIN 5480 Spline shaft 5
Double-row sprocket shaft C
P: See P6 for details

No options 0
Fluorinated rubber seal 1
T4 speed sensor (without rotation direction option) 2
End cover without mechanical release of brake 3
Oil drain port 5
Industrial bearing support 6
Reserve the position of speed sensor 8
Hollow shaft A
Bearing support with oil drain B
Bad condition C
Special paint or no paint D
Reinforced shaft seal E
Special rim installation G
High efficiency H
Reinforced shaft shoulder J
High speed M
TD Speed Sensor (Two-phase Alternating Frequency) Q
TR Speed Sensor (with Digital Rotation Direction Term) S

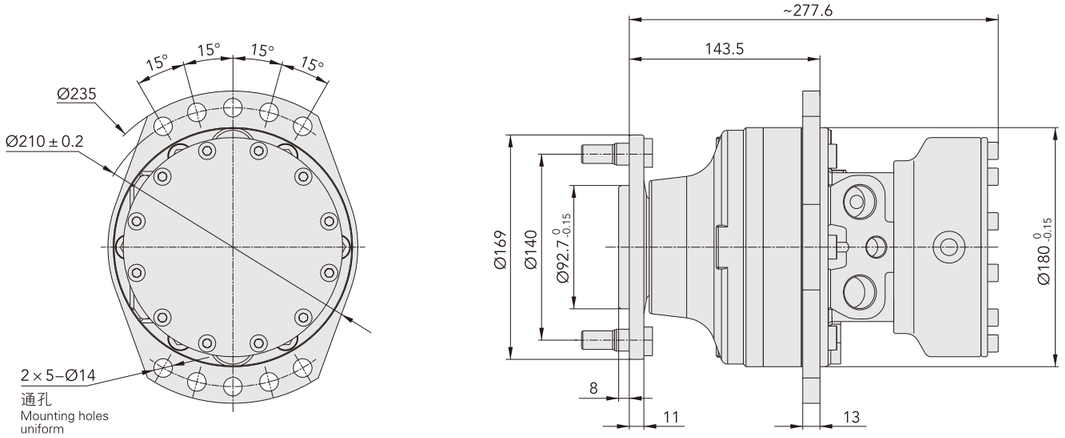
技术性能参数(对称内曲线滚道)
Technical performance parameters (symmetrical inner curved raceway)

型 号 Model	编号 No.	排量 Displacement ml/r	压力/Pressure MPa		扭矩/Torque N.m		转速 Speed r/min		最大功率 Max. rated power Kw	最大流量 Max. mass flow L/min
			额定压力 Rated Pressure	尖峰压力 Max. Pressure	额定扭矩 Rated Torque	单位扭矩 Unit Torque	额定转速 Rated Rotational Speed	转速范围 Rotational Speed Range		
OMS02	8	172，86	25	31.5	716，340	30，15	128	0–310	16，8	40
	0	213，107	25	31.5	796，378	34，17	128	0–310	16，8	40
	1	235，118	25	31.5	875，415	38，19	115	0–310	16，8	40
	2	255，128	25	31.5	955，453	41，20	110	0–300	16，8	40
OMSE02	0	332，166	25	31.5	1240，588	52，26	110	0–200	22，11	40
	2	398，199	25	31.5	1485，705	63，31	100	0–180	22，11	40

单排量轴马达 Single displacement shaft motor
订货代码 Order code：OMS02-X-114-F03-2A50-0000

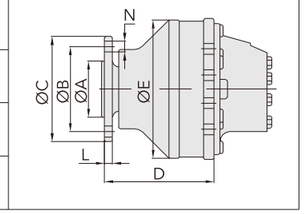


单排量轮边马达 Single displacement wheel motor
订货代码 Order code：OMS02-X-123-F03-1120-0000



轮边马达轴承支撑 Wheel motor bearing support

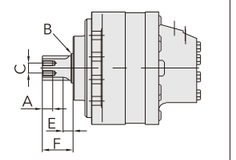
轴承支撑类型 P Type of bearing support P								
编号 No.	A	B	C	D	E	N	轮辋安装 Rim installation	L
1110	Ø92.7	Ø140	Ø169	143.4	Ø184.5	Ø18	5×M14×1.5	10
1710	Ø77.6	Ø130	Ø169	140.6	Ø184.5	Ø18	5×M14×1.5	10



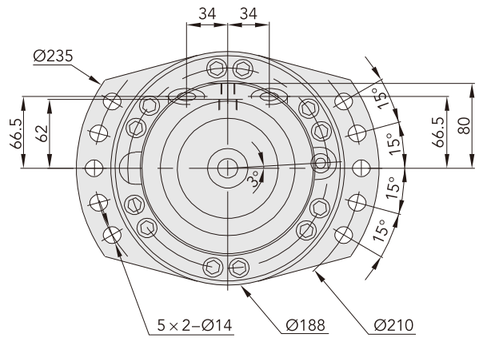
注：若需其他类型，详情请咨询本公司工程师。
Note: For other types, please consult our engineers for details.

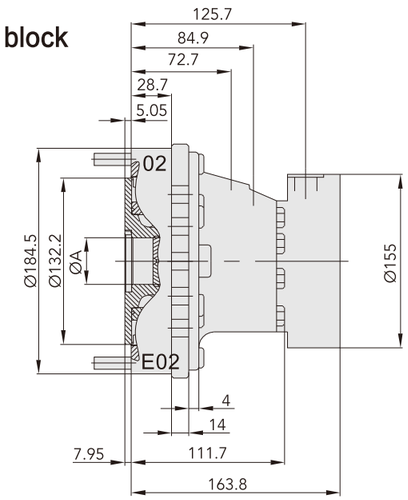
轴马达轴承支撑 Shaft motor bearing support

编号 No.	规格 Specification		A	B	C	D	E	F	G
2A10	NF E22-141花键 Spline		15	R2	23.8	2×M10	19	49	–
	公称直径 Nominal diameter Ø	40							
	模数 Modulus	1667							
	齿数 Number of teeth	22							
2A50	DIN5480 花键 Spline		15	R2.5	23.8	2×M10	22	60	–
	公称直径 Nominal diameter Ø	50							
	模数 Modulus	2							
	齿数 Number of teeth	24							
2AC0	ANSI B29-1 ISO 606小链轮 Small sprocket		126.5	84	51.6	14.6	99	–	–
	链节数量 Number of links	80							
	齿数 Number of teeth	14							
	齿距 Pitch	25.4							
	节径 Pitch diameter	114.2							

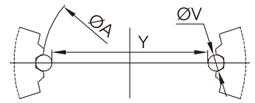


单排量液压基块 Single displacement hydraulic base block
订货代码 Order code：OMS02-X-123-F02-0000-0000





柱塞缸体花键 (按照标准NF E22-141) Plunger block spline (according to standard NF E22-141)				
			两个测量销间的最小距离 Minimum distance between two measuring pins	
ØA	模数 Modulus	Z	Y	ØV
40	1.667	22	33.446	3.33



www.china-osj.cn

液压连接油口 Hydraulic connection oil port

液压连接（连接油口） Hydraulic connection oil port					
编号 No.	旧标准 Old standard	标准 Standard	主油口 Main oil port （A、B）	壳体泄油口 Shell drain port （L）	驻车制动油口（Z） 变量油口（X） Parking brake oil port (Z) Variable oil port (X)
A	SAE J514	ISO 11926-1	7/8"-14-UNF	3/4"-16-UNF	9/16"-18-UNF
3	BSPP	ISO 1179-1	G1/2	G3/8	G1/4
4	NF E48-050	ISO 9974-1	M22×1.5	M18×1.5	M14×1.5

制动器 Brake

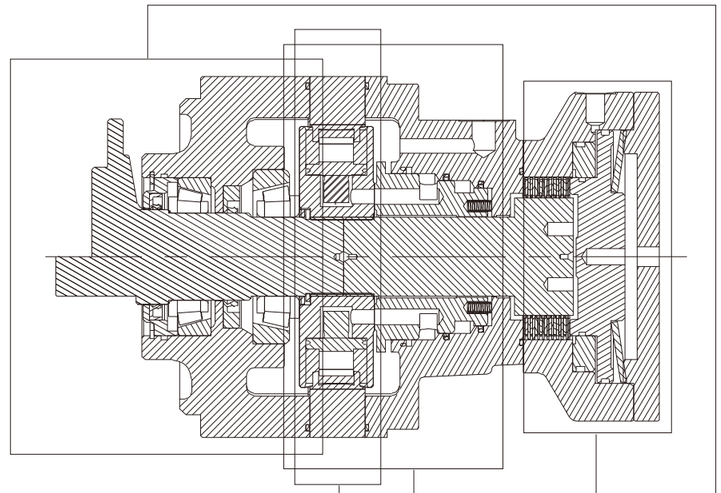
F03	制动腔内压力为 0 时制动器的制动扭矩（新制动器） Brake torque when the pressure in the brake chamber is 0 (new brake)	2500N.m
	制动腔内压力为 0 时紧急制动扭矩（最多可作紧急制动使用10次） Emergency braking torque when the pressure in the brake chamber is 0 (it can be used for emergency braking for up to 10 times)	1625N.m
	制动腔内压力为 0 时剩余的驻车制动扭矩 Residual parking brake torque when the pressure in the brake chamber is 0	1875N.m
	最小的制动器释放压力 Min. brake release pressure	2Mpa
	最大的制动器释放压力 Max. brake release pressure	5Mpa
	油量 Oil quantity	100cm³
	用于制动器释放的液压油量 Amount of hydraulic oil used for brake release	16cm³





www.nbosj.com

马达编号



O M S 0 5 C D F P S

O M S E 0 5

配流体
单排量配流体 1
双排量配流体 D 排量比 2
双排量配流体 E 顺时针旋转
双排量配流体 F 逆时针旋转

底盘安装
不带安装耳 1
腰形安装耳 2
蹄形安装耳 3
方形安装耳 4

对称内曲线滚道	型号	序号	排量ml/r	
			1	2
	OMS05	8	376	188
		9	421	211
		0	468	234
		1	514	257
		2	560	280
	OMSE05	0	625	312
		2	750	375

液压连接油口
ISO 11926-1 连接 A
ISO 1179-1 连接 3
ISO 9974-1 连接 4
ISO 6419-1 连接 8

(D:详见P12)

无制动器(普通端盖)	A	0	5
带制动器	F	0	5
无制动器(加强端盖)	R	0	5

(F:详见12)

输出形式
无轴承支撑 0
0 0 0 0
无安装耳(轮式) 1
带安装耳(轴式) 2

轴承支撑类型
无伸出轴 0
10×Ø18,Ø140 1
5+3×Ø18,Ø140 2
10×M12,Ø100 3
5×Ø18,Ø140 4
6×Ø20,Ø205 5
10×M12,Ø100 6
伸出轴轴承支撑 A
双出轴轴承支撑 S
通轴轴承支撑 T

轮式
无螺栓 1
螺栓螺母 2
螺栓 3
M螺纹孔 4

轴式
NFE22141 花键轴 1
平键轴 4
DIN 5480花键轴 5
双排链轮轴 C

(P:详见P11)

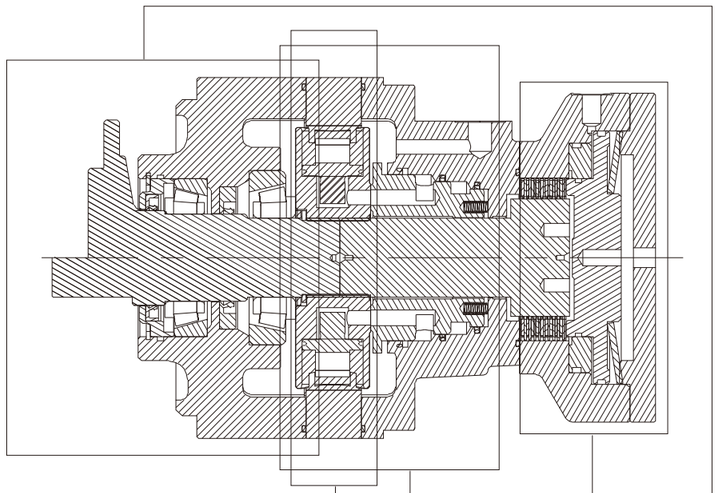
待研发 0
(鼓式制动器)

底盘安装

无选项	0
氟化橡胶密封	1
T4 速度传感器(不带转动方向选项)	2
不带机械解除制动的端盖	3
泄油口	5
工业轴承支撑	6
预留速度传感器位置	8
空心轴	A
轴承支撑上带泄油口	B
恶劣工况	C
特殊喷漆或无喷漆	D
加强轴封	E
特殊轮辋安装	G
高效率	H
加强轴肩	J
高速	M
TD 速度传感器(两相交变频率)	Q
TR 速度传感器(带数字式转动方向项)	S
内花键伸出轴轴承支撑	N

www.china-osj.cn

Motor number



O M S 0 5 | C | D | F | P | S

O M S E 0 5

Distribution fluid
Single displacement distribution fluid 1
Double displacement fluid distribution D
Displacement ratio 2
Double displacement fluid distribution E
Rotate clockwise
Double displacement fluid distribution F
Rotate counterclockwise

Chassis installation
Without mounting lug 1
Waist mounting lug 2
Hoof-shaped mounting lug 3
Square mounting lug 4

Hydraulic connection oil port
ISO 11926-1 Connection A
ISO 1179-1 Connection 3
ISO 9974-1 Connection 4
ISO 6419-1 Connection 8
D: See P12 for details

Symmetrical inner curved raceway	Model	No.	Displacement ml/r	
			1	2
	OMS05	8	376	188
		9	421	211
		0	468	234
		1	514	257
		2	560	280
	OMSE05	0	625	312
		2	750	375

Output form
Bearingless support 0

0 0 0 0

No mounting lug (wheeled) 1
With mounting lug (shaft type) 2

Type of bearing support
Non-protruding shaft	0
10×Ø18,Ø140	1
5+3×Ø18,Ø140	2
10×M12,Ø100	3
5×Ø18,Ø140	4
6×Ø20,Ø205	5
10×M12,Ø100	6
Extended shaft bearing support	A
Double outlet bearing support	S
Through shaft bearing support	T

Wheeled type
Bolt-free 1
Bolts and nuts 2
Bolt 3
M threaded hole 4

No brake (ordinary end cap)	A	0	5
Belt brake	F	0	5
No brake (reinforced end cap)	R	0	5

F: See P12 for details

To be developed 0
(Drum brake)

Chassis installation

Axial type
NFE22141 Spline shaft	1
Flat key shaft	4
DIN 5480 Spline shaft	5
Double-row sprocket shaft	C

P: See P11 for details

No options	0
Fluorinated rubber seal	1
T4 speed sensor (without rotation direction option)	2
End cover without mechanical release of brake	3
Oil drain port	5
Industrial bearing support	6
Reserve the position of speed sensor	8
Hollow shaft	A
Bearing support with oil drain	B
Bad condition	C
Special paint or no paint	D
Reinforced shaft seal	E
Special rim installation	G
High efficiency	H
Reinforced shaft shoulder	J
High speed	M
TD Speed Sensor (Two-phase Alternating Frequency)	Q
TR Speed Sensor (with Digital Rotation Direction Term)	S
Internal spline extension shaft bearing support	N

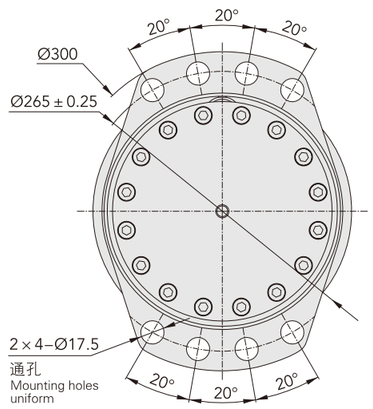
www.nbosj.com

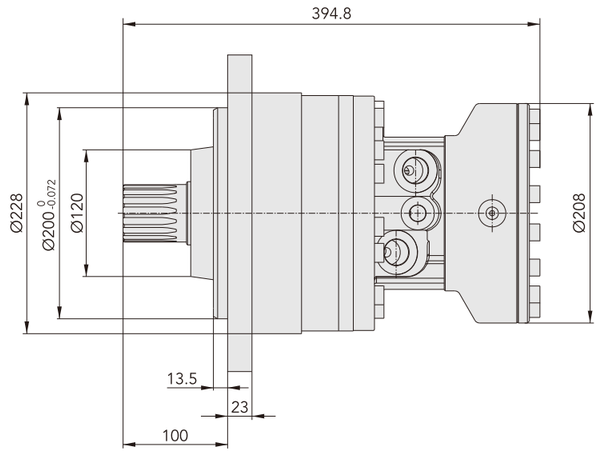
技术性能参数(对称内曲线滚道)
Technical performance parameters (symmetrical inner curved raceway)

型 号 Model	编号 No.	排量 Displacement ml/r	压力/Pressure MPa		扭矩/Torque N.m		转速 Speed r/min		最大功率 Max. rated power Kw	最大流量 Max. mass flow L/min
			额定压力 Rated Pressure	尖峰压力 Max. Pressure	额定扭矩 Rated Torque	单位扭矩 Unit Torque	额定转速 Rated Rotational Speed	转速范围 Rotational Speed Range		
OMS05	8	376，188	25	31.5	1405，667	60，30	90	0–200	25，12	60
	9	421，211	25	31.5	1525，724	67，33	90	0–200	25，12	60
	0	468，234	25	31.5	1749，830	74，37	90	0–200	25，12	60
	1	514，257	25	31.5	1921，912	82，41	85	0–190	25，12	60
	2	560，280	25	31.5	2092，993	89，44	80	0–180	25，12	60
OMSE05	0	625，312	25	31.5	2335，1109	99，49	80	0–160	25，12	60
	2	750，375	25	31.5	2803，1331	119，57	60	0–140	25，12	60

单排量轴马达 Single displacement shaft motor

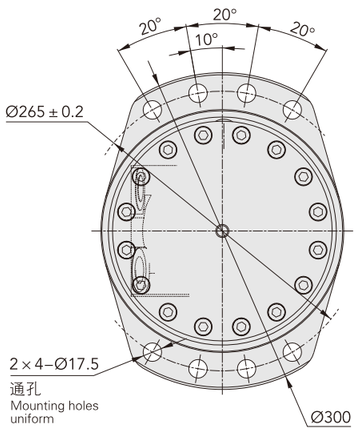
订货代码 Order code：OMS05-X-113-F05-2A50-0000

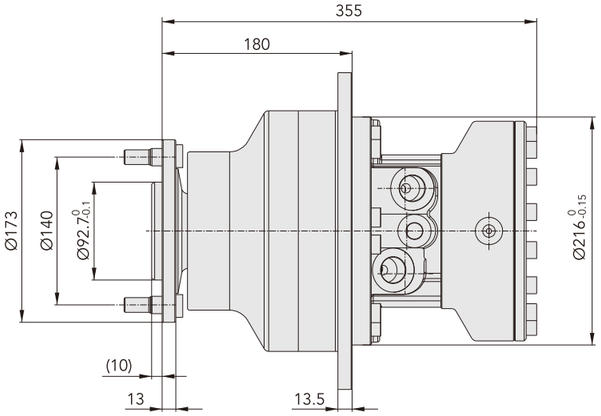




单排量轮边马达 Single displacement wheel motor

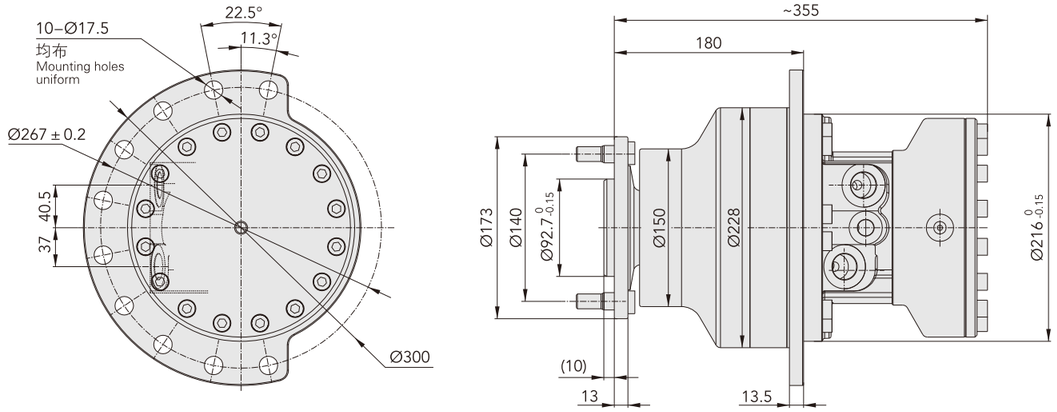
订货代码 Order code：OMS05-X-123-F05-1210-0000





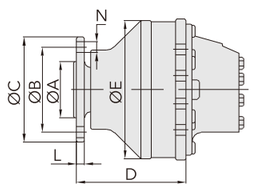
单排量轮边马达 Single displacement wheel motor

订货代码 Order code：OMS05-X-133-F05-1210-0000



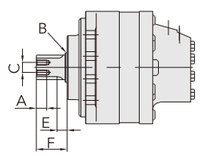
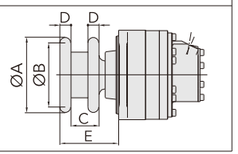
轮边马达轴承支撑 Wheel motor bearing support

轴承支撑类型 P Type of bearing support P								
编号 No.	A	B	C	D	E	N	轮辋安装 Rim installation	L
1210	Ø92.7	Ø140	Ø170	178.6	Ø228	Ø18	10×M14×1.5	11
1310	Ø95.7	Ø140	Ø180	145.4	Ø228	Ø18	5×M14×1.5	10.5



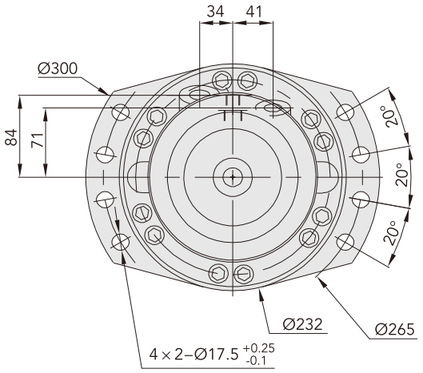
注：若需其他类型，详情请咨询本公司工程师。
Note: For other types, please consult our engineers for details.

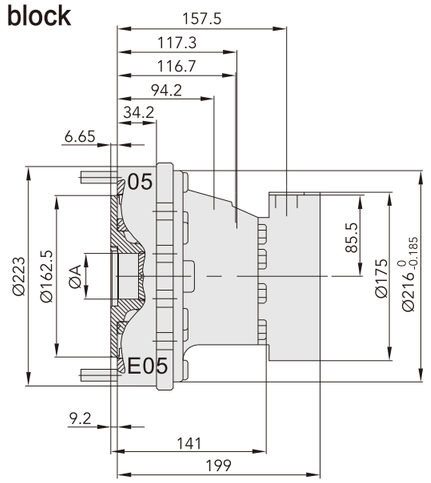
轴马达轴承支撑 Shaft motor bearing support

编号No.	规格 Specification	A	B	C	D	E	F	G	
2A10	NF E22-141花键 Spline 公称直径 Nominal diameter Ø 50 模数 Modulus 1667 齿数 Number of teeth 28	15	R2.3	23.8	2×M10	20	54	–	
2A50	DIN5480 花键 Spline 公称直径 Nominal diameter Ø 55 模数 Modulus 3 齿数 Number of teeth 17	15	R2.3	23.8	2×M10	23	60	–	
2AC1	ANSI B29-1 或ISO 606小链轮 Small sprocket 链节数量 Number of links 100 齿数 Number of teeth 14 齿距 Pitch 31.75 节径 Pitch diameter 142.7	158.2	106	49	17.6	117	–	–	

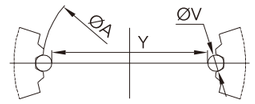
单排量液压基块 Single displacement hydraulic base block

订货代码 Order code：OMS05-2-123-F05-0000-0000





柱塞缸体花键 (按照标准NF E22-141) Plunger block spline (according to standard NF E22-141)				
			两个测量销间的最小距离 Minimum distance between two measuring pins	
ØA	模数 Modulus	Z	Y	ØV
50	1.667	28	43.446	3.33



液压连接油口 Hydraulic connection oil port

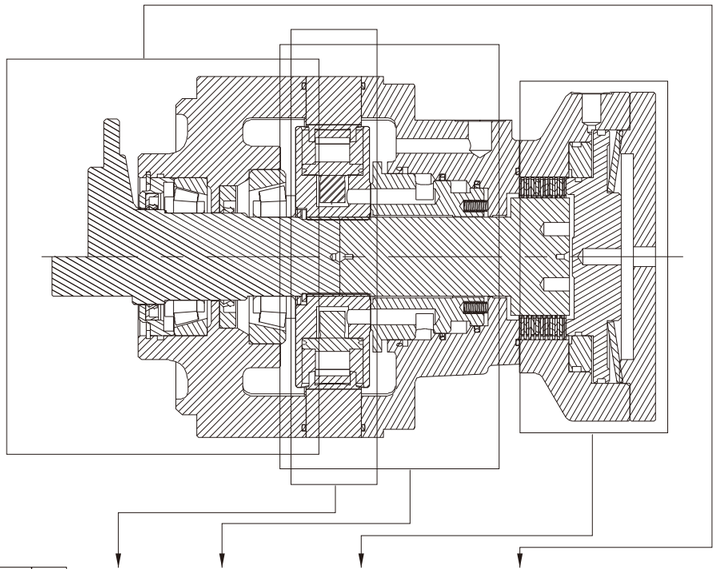
液压连接（连接油口）Hydraulic connection oil port					
编号 No.	旧标准 Old standard	标准 Standard	主油口 Main oil port （A、B）	壳体泄油口 Shell drain port （L）	驻车制动油口（Z） 变量油口（X） Parking brake oil port (Z) Variable oil port (X)
A	SAE J514	ISO 11926-1	1"1/16-12UNF	3/4"-16UNF	9/16"UNF
3	BSPP	ISO 1179-1	G3/4	G3/8	G1/4
4	NF E48-050	ISO 9974-1	M27×2	M16×1.5	M14×1.5
8	NF E48-050	ISO 6149-1	M18×1.5	M16×1.5	M14×1.5

制动器 Brake

F05	制动腔内压力为 0 时制动器的制动扭矩（新制动器） Brake torque when the pressure in the brake chamber is 0 (new brake)	3060N.m
	制动腔内压力为 0 时紧急制动扭矩（最多可作紧急制动使用10次） Emergency braking torque when the pressure in the brake chamber is 0 (it can be used for emergency braking for up to 10 times)	1990N.m
	制动腔内压力为 0 时剩余的驻车制动扭矩 Residual parking brake torque when the pressure in the brake chamber is 0	2295N.m
	最小的制动器释放压力 Min. brake release pressure	2Mpa
	最大的制动器释放压力 Max. brake release pressure	5Mpa
	油量 Oil quantity	70cm^3
	用于制动器释放的液压油量 Amount of hydraulic oil used for brake release	32cm^3

www.china-osj.cn

马达编号



O M S 0 8 C D F P S

O M S E 0 8

配流体
单排量配流体 1
双排量配流体 D 排量比 2
双排量配流体 E 顺时针旋转
双排量配流体 F 逆时针旋转

底盘安装
不带安装耳 1
腰形安装耳 2
蹄形安装耳 3
方形安装耳 4

对称内曲线滚道	型号	序号	排量ml/r	
			1	2
	OMS08	8	627	314
		9	702	351
		0	780	390
		1	857	429
		2	936	468
	OMSE08	0	1043	522
		2	1248	624

液压连接油口
ISO 6162 法兰 ISO 11926-1 连接 1
ISO 9974-1 连接(M22 x 1.5) 4
ISO 9974-1 连接(M27 x 2) 5
ISO 6419-1 连接 8
ISO 11926-1 连接 A

(D:详见P17)

单排量配流体端盖	M	0	8
带制动器	F	0	8
无制动器(加强端盖)	R	0	8

(F:详见P17)

输出形式
无轴承支撑 0
0 0 0 0
无安装耳(轮式) 1
带安装耳(轴式) 2

轴承支撑类型
无伸出轴 0
6×Ø20，Ø205 1
8×Ø22，Ø203.2 2
6× Ø20，Ø205 3
6×Ø18，Ø152.4 5
12×M12，Ø205 6
8×Ø22，Ø275 7
12×Ø14，Ø155 9
伸出轴轴承支撑 A
双出轴轴承支撑 S
通轴轴承支撑 T

轮式
无螺栓 1
螺栓螺母 2
螺栓 3
M螺纹孔 4

轴式
NFE22141 花键轴 1
平键轴 4
DIN 5480花键轴 5

(P:详见P16)

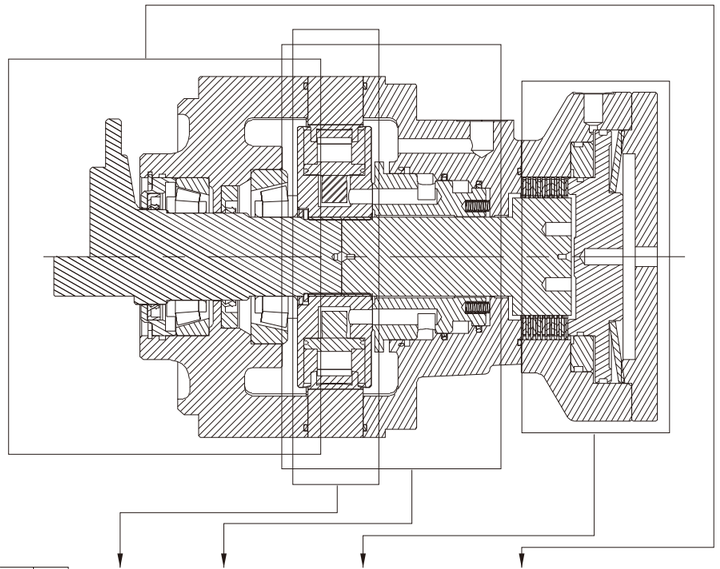
待研发 0
(鼓式制动器)

底盘安装

无选项 0
氟化橡胶密封 1
T4 速度传感器(不带转动方向选项) 2
不带机械解除制动的端盖 3
泄油口 5
工业轴承支撑 6
预留速度传感器位置 8
空心轴 A
轴承支撑上带泄油口 B
恶劣工况 C
特殊喷漆或无喷漆 D
加强轴封 E
特殊轮辋安装 G
高效率 H
加强轴肩 J
高速 M
TD 速度传感器(两相交变频率) Q
TR 速度传感器(带数字式转动方向项) S
内花键伸出轴轴承支撑 N

www.nbosj.com

Motor number



O M S 0 8 C D F P S

O M S E 0 8

Distribution fluid
Single displacement distribution fluid 1
Double displacement fluid distribution Displacement ratio 2 D
Double displacement fluid distribution Rotate clockwise E
Double displacement fluid distribution Rotate counterclockwise F

Chassis installation
Without mounting lug 1
Waist mounting lug 2
Hoof-shaped mounting lug 3
Square mounting lug 4

Symmetrical inner curved raceway	Model	No.	Displacement ml/r	
			1	2
	OMS08	8	627	314
		9	702	351
		0	780	390
		1	857	429
		2	936	468
	OMSE08	0	1043	522
		2	1248	624

Hydraulic connection oil port
ISO 6162 flange
ISO 11926-1 Connection 1
ISO 9974-1 Connection (M22 x 1.5) 4
ISO 9974-1 Connection (M27 x 2) 5
ISO 6419-1 Connection 8
ISO 11926-1 Connection A

D: See P17 for details

Single-displacement fluid distribution end cover	M	0	8
Belt brake	F	0	8
No brake (reinforced end cap)	R	0	8

F: See P17 for details

Output form
Bearingless support 0
0 0 0 0
No mounting lug (wheeled) 1
With mounting lug (shaft type) 2

Type of bearing support
Non-protruding shaft 0
6×Ø20，Ø205 1
8×Ø22，Ø203.2 2
6× Ø20，Ø205 3
6×Ø18，Ø152.4 5
12×M12，Ø205 6
8×Ø22，Ø275 7
12×Ø14，Ø155 9
Extended shaft bearing support A
Double outlet bearing support S
Through shaft bearing support T

Wheeled type
Bolt-free 1
Bolts and nuts 2
Bolt 3
M threaded hole 4

To be developed 0
(Drum brake)

Chassis installation

Axial type
NFE22141 Spline shaft 1
Flat key shaft 4
DIN 5480 Spline shaft 5

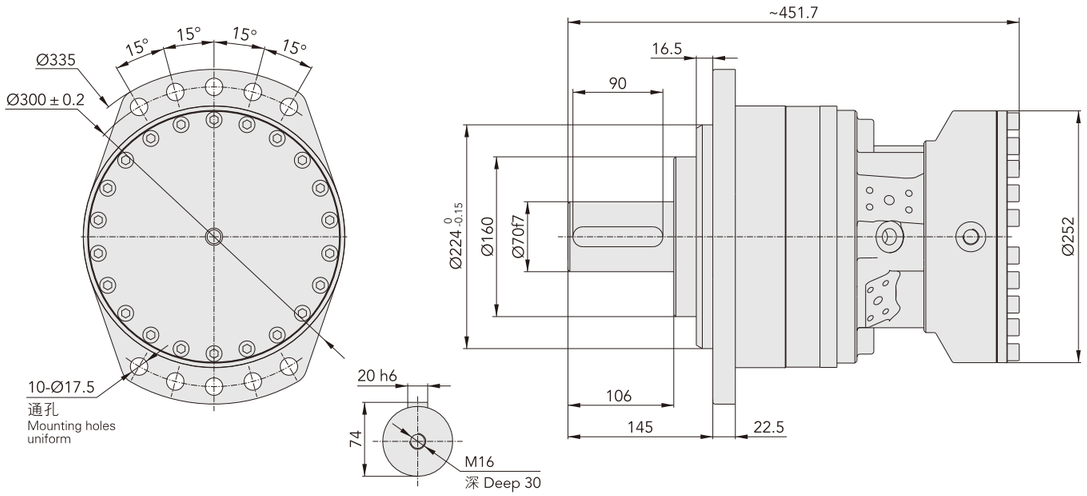
P: See P16 for details

No options 0
Fluorinated rubber seal 1
T4 speed sensor (without rotation direction option) 2
End cover without mechanical release of brake 3
Oil drain port 5
Industrial bearing support 6
Reserve the position of speed sensor 8
Hollow shaft A
Bearing support with oil drain B
Bad condition C
Special paint or no paint D
Reinforced shaft seal E
Special rim installation G
High efficiency H
Reinforced shaft shoulder J
High speed M
TD Speed Sensor (Two-phase Alternating Frequency) Q
TR Speed Sensor (with Digital Rotation Direction Term) S
Internal spline extension shaft bearing support N

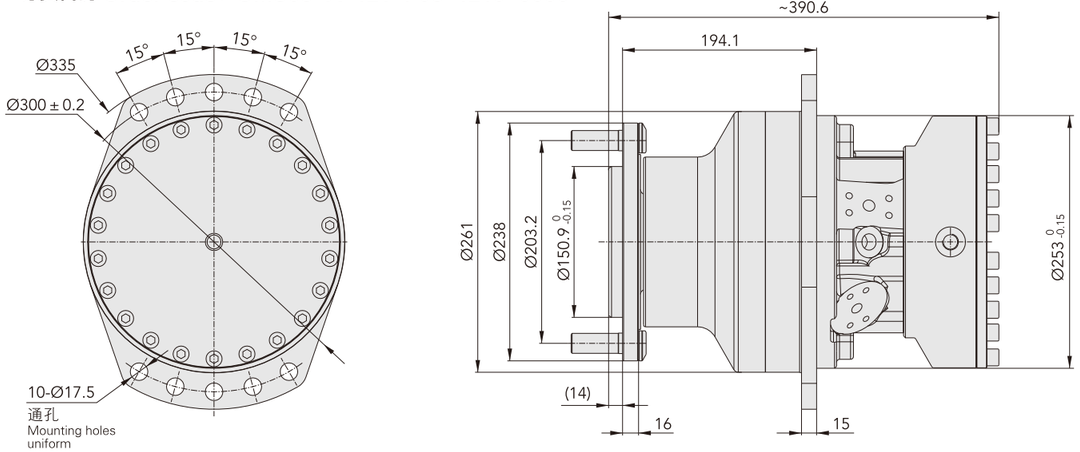
技术性能参数(对称内曲线滚道)
Technical performance parameters (symmetrical inner curved raceway)

型 号 Model	编号 No.	排量 Displacement ml/r	压力/Pressure MPa		扭矩/Torque N.m		转速 Speed r/min		最大功率 Max. rated power Kw	最大流量 Max. mass flow L/min
			额定压力 Rated Pressure	尖峰压力 Max. Pressure	额定扭矩 Rated Torque	单位扭矩 Unit Torque	额定转速 Rated Rotational Speed	转速范围 Rotational Speed Range		
OMS08	8	627，314	25	31.5	2434，1156	110，50	70	0–170	36，18	80
	9	702，351	25	31.5	2612，1240	112，56	70	0–170	36，18	80
	0	780，390	25	31.5	2914，1384	124，62	70	0–170	36，18	80
	1	857，429	25	31.5	3202，1520	136，68	65	0–155	36，18	80
	2	936，468	25	31.5	3495，1660	148，74	65	0–155	36，18	80
OMSE08	0	1043，522	25	31.5	3896，1850	465，82	60	0–100	36，18	80
	2	1248，624	25	31.5	4662，2214	198，99	50	0–90	36，18	80

单排量轴马达 Single displacement shaft motor
订货代码 Order code：OMS08-X-111-F08-2A40-0000

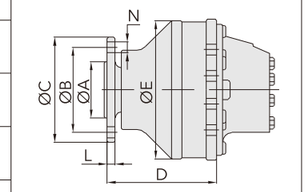


单排量轮边马达 Single displacement wheel motor
订货代码 Order code：OMS08-X-121-F08-1210-0000



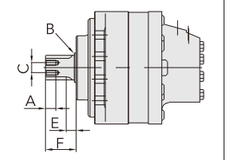
轮边马达轴承支撑 Wheel motor bearing support

轴承支撑类型 P Type of bearing support P								
编号 No.	A	B	C	D	E	N	轮辋安装 Rim installation	L
1110	Ø160.7	Ø205	Ø245	195.0	Ø261.5	Ø20	6×M18×1.5	13
1210	Ø150.9	Ø203.2	Ø238	194.1	Ø261.5	Ø22	8×M20×1.5	13
1410	Ø175.7	Ø225	Ø270	188.8	Ø261.5	Ø18	10×M16×1.5	15.0

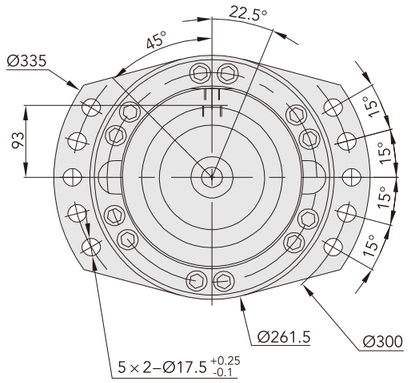


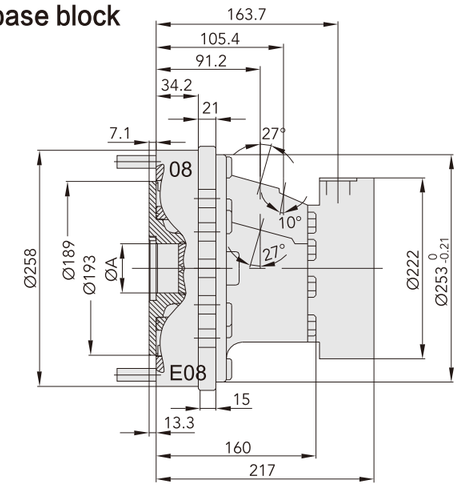
注：若需其他类型，详情请咨询本公司工程师。
Note: For other types, please consult our engineers for details.

轴马达轴承支撑 Shaft motor bearing support

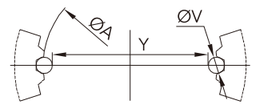
编号No.	规格 Specification		A	B	C	D	E	F	G	
2A10	NF E22-141花键 Spline		15	R2.5	35	2×M10	24	70	–	
	公称直径 Nominal diameter Ø	65								
	模数 Modulus	2.5								
	齿数 Number of teeth	24								
2A50	DIN5480 花键 Spline		15	R2.5	35	2×M10	23	70	–	
	公称直径 Nominal diameter Ø	70								
	模数 Modulus	3								
	齿数 Number of teeth	22								

单排量液压基块 Single displacement hydraulic base block
订货代码 Order code：OMS08-2-12-F08-0000-0000





柱塞缸体花键 (按照标准NF E22-141) Plunger block spline (according to standard NF E22-141)				
			两个测量销间的最小距离 Minimum distance between two measuring pins	
ØA	模数 Modulus	Z	Y	ØV
60	2.5	24	55.169	5.00



液压连接油口 Hydraulic connection oil port

液压连接（连接油口）Hydraulic connection oil port						
编号 No.	旧标准 Old standard	标准 Standard	主油口 Main oil port （A、B）	壳体泄油口 Shell drain port （L）	驻车制动油口（Z） Parking brake oil port (Z)	变量油口（X） Variable oil port (X)
A	SAE J514	ISO 11926-1	1"1/16-12UNF	3/4"-16UNF	9/16"-18UNF	9/16"-18UNF
1	ISO 6162	ISO 6162	DN13 PN400	M18×1.5	M16×1.5	M14×1.5
	DIN 3852	ISO 9974-1				
4	NF E48-050	ISO 9974-1	M22×1.5	M18×1.5	M16×1.5	M14×1.5
5	DIN 3852	ISO 9974-1	M27×2	M18×1.5	M16×1.5	M14×1.5

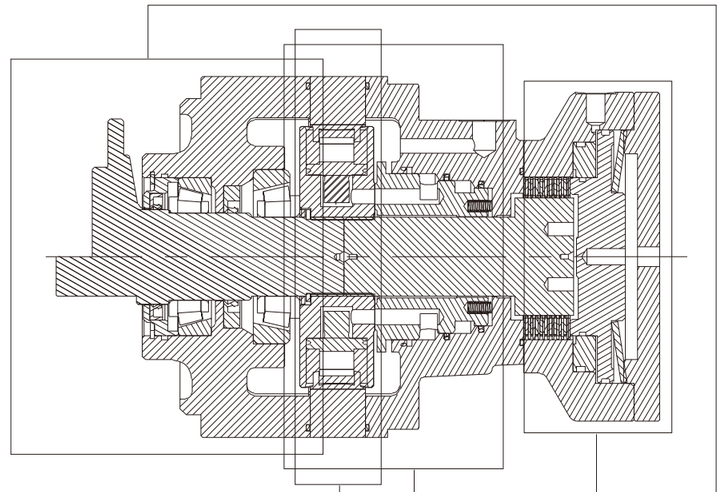
制动器 Brake

F08	制动腔内压力为 0 时制动器的制动扭矩（新制动器） Brake torque when the pressure in the brake chamber is 0 (new brake)	5620N.m
	制动腔内压力为 0 时紧急制动扭矩（最多可作紧急制动使用10次） Emergency braking torque when the pressure in the brake chamber is 0 (it can be used for emergency braking for up to 10 times)	3653N.m
	制动腔内压力为 0 时剩余的驻车制动扭矩 Residual parking brake torque when the pressure in the brake chamber is 0	4215N.m
	最小的制动器释放压力 Min. brake release pressure	2Mpa
	最大的制动器释放压力 Max. brake release pressure	5Mpa
	油量 Oil quantity	100cm³
	用于制动器释放的液压油量 Amount of hydraulic oil used for brake release	40cm³





马达编号



OMS11 / OMSE11 — C — D — F — P — S

配流体
单排量配流体 1
双排量配流体 D 排量比 2
双排量配流体 E 顺时针旋转
双排量配流体 F 逆时针旋转

对称内曲线滚道	型号	序号	排量ml/r	
			1	2
	OMS11	0	1048	524
		1	1147	574
		2	1259	630
	OMSE11	0	1404	702
		1	1536	768
		2	1687	843.5

底盘安装
不带安装耳 1
腰形安装耳 2
蹄形安装耳 3
方形安装耳 4

液压连接油口
无配流体端盖 0
ISO 6162法兰 ISO 9974-1连接
DN 19 DN 13 1
ISO 1179-1 连接 3
ISO 9974-1 连接 4
ISO 11926-1 连接 A

（D:详见P22）

无制动器(普通端盖)	M	1	1
带制动器	F	1	1
无制动器(加强端盖)	R	1	1

（F:详见22）

输出形式
无轴承支撑 0
0 0 0 0
无安装耳(轮式) 1
带安装耳(轴式) 2

轴承支撑类型
无伸出轴 0
5×Ø24，Ø225 1
10×Ø22，Ø225 2
8×Ø22，Ø275 7
12×Ø20，Ø205 3
10×Ø22，Ø225 6
10×Ø24，Ø225 G
伸出轴轴承支撑 A
双出轴轴承支撑 S
通轴轴承支撑 T

轮式
无螺栓 1
螺栓螺母 2
螺栓 3
M螺纹孔 4

轴式
NFE22141 花键轴 1
DIN 5480花键轴 5

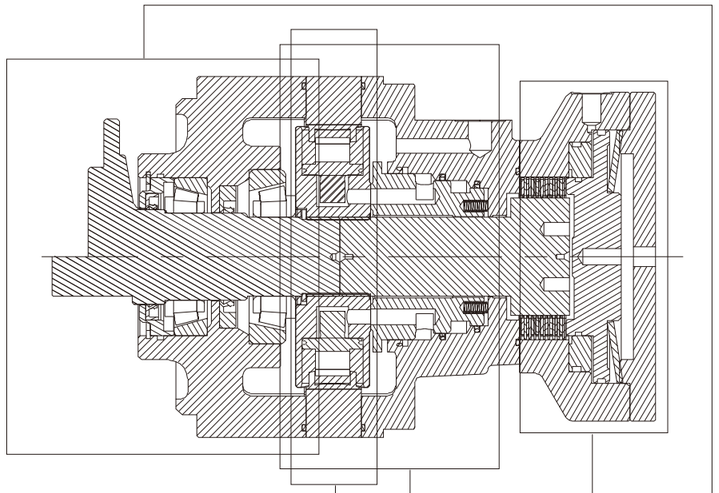
（P:详见P21）

待研发 0
(鼓式制动器)

底盘安装

无选项	0
氟化橡胶密封	1
T4 速度传感器(不带转动方向选项)	2
不带机械解除制动的端盖	3
泄油口	5
工业轴承支撑	6
预留速度传感器位置	8
空心轴	A
轴承支撑上带泄油口	B
恶劣工况	C
特殊喷漆或无喷漆	D
加强轴封	E
特殊轮辋安装	G
高效率	H
加强轴肩	J
高速	M
TD 速度传感器(两相交变频率)	Q
TR 速度传感器(带数字式转动方向项)	S
内花键伸出轴轴承支撑	N

Motor number



O M S 1 1 | C | D | F | P | S

O M S E 1 1

Distribution fluid
Single displacement distribution fluid 1
Double displacement fluid distribution D
Displacement ratio 2
Double displacement fluid distribution E
Rotate clockwise
Double displacement fluid distribution F
Rotate counterclockwise

Chassis installation
Without mounting lug 1
Waist mounting lug 2
Hoof-shaped mounting lug 3
Square mounting lug 4

Symmetrical inner curved raceway	Model	No.	Displacement ml/r	
			1	2
	OMS11	0	1048	524
		1	1147	574
		2	1259	630
	OMSE11	0	1404	702
		1	1536	768
		2	1687	843.5

Hydraulic connection oil port
Fluid-free end cover 0
ISO 6162 flange
ISO 9974-Connection
DN 19 DN 13 1
ISO 1179-1 Connection 3
ISO 9974-1 Connection 4
ISO 11926-1 Connection A
D: See P22 for details

No brake (ordinary end cap)	M	1	1
Belt brake	F	1	1
No brake (reinforced end cap)	R	1	1

F: See P22 for details

Output form
Bearingless support 0

0 0 0 0

No mounting lug (wheeled) 1
With mounting lug (shaft type) 2

Type of bearing support
Non-protruding shaft 0
5×Ø24, Ø225 1
10×Ø22, Ø225 2
8×Ø22, Ø275 7
12×Ø20, Ø205 3
10×Ø22, Ø225 6
10×Ø24, Ø225 G
Extended shaft bearing support A
Double outlet bearing support S
Through shaft bearing support T

Wheeled type
Bolt-free 1
Bolts and nuts 2
Bolt 3
M threaded hole 4

To be developed 0
(Drum brake)

Chassis installation

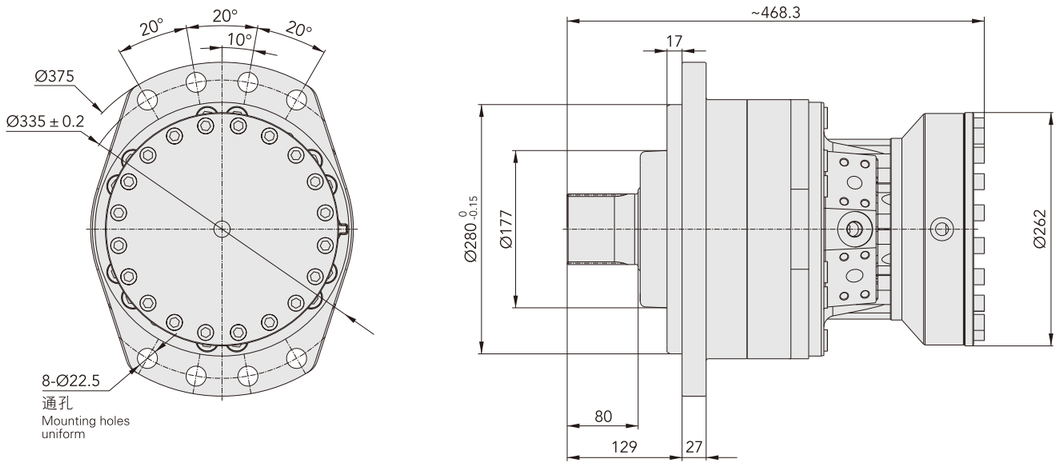
Axial type
NFE22141 Spline shaft 1
DIN 5480 Spline shaft 5
P: See P21 for details

No options 0
Fluorinated rubber seal 1
T4 speed sensor (without rotation direction option) 2
End cover without mechanical release of brake 3
Oil drain port 5
Industrial bearing support 6
Reserve the position of speed sensor 8
Hollow shaft A
Bearing support with oil drain B
Bad condition C
Special paint or no paint D
Reinforced shaft seal E
Special rim installation G
High efficiency H
Reinforced shaft shoulder J
High speed M
TD Speed Sensor (Two-phase Alternating Frequency) Q
TR Speed Sensor (with Digital Rotation Direction Term) S
Internal spline extension shaft bearing support N

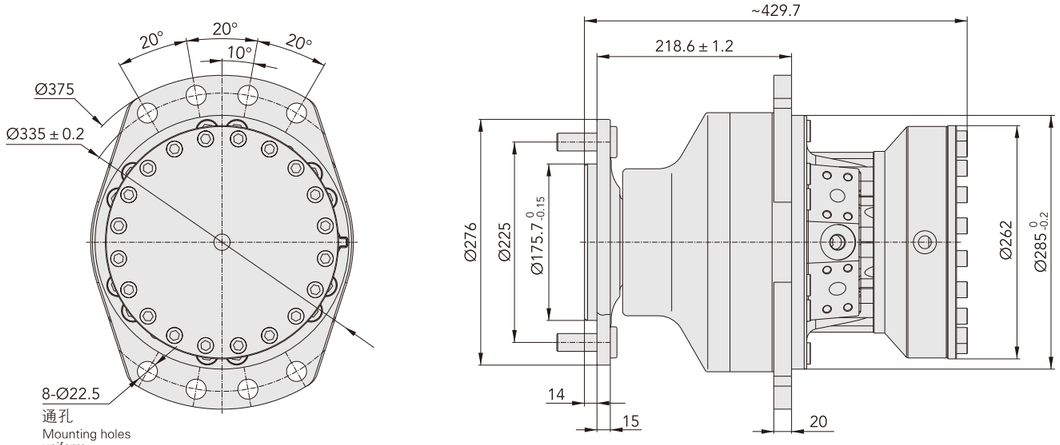
技术性能参数(对称内曲线滚道)
Technical performance parameters (symmetrical inner curved raceway)

型 号 Model	编号 No.	排量 Displacement ml/r	压力/Pressure MPa		扭矩/Torque N.m		转速 Speed r/min		最大功率 Max. rated power Kw	最大流量 Max. mass flow L/min
			额定压力 Rated Pressure	尖峰压力 Max. Pressure	额定扭矩 Rated Torque	单位扭矩 Unit Torque	额定转速 Rated Rotational Speed	转速范围 Rotational Speed Range		
OMS11	0	1048，524	25	31.5	3916，1860	167，83	65	0–160	44，22	120
	1	1147，574	25	31.5	4286，2035	183，91	60	0–150	44，22	120
	2	1259，630	25	31.5	4704，2234	200，100	60	0–150	44，22	120
OMSE11	0	1404，702	25	31.5	4245，2491	223，11	55	0–130	44，22	120
	1	1536，768	25	31.5	5738，2725	244，122	55	0–130	44，22	120
	2	1687，843.5	25	31.5	6302，2993	268，134	50	0–120	44，22	120

单排量轴马达 Single displacement shaft motor
订货代码 Order code：OMS11-X-111-F12-2A50-0000

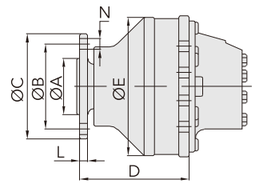


单排量轮边马达 Single displacement wheel motor
订货代码 Order code：OMS11-X-121-F12-1210-0000



轮边马达轴承支撑 Wheel motor bearing support

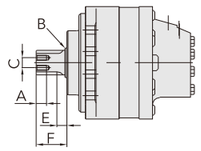
轴承支撑类型 P Type of bearing support P								
编号 No.	A	B	C	D	E	N	轮辋安装 Rim installation	L
1110	Ø175.7	Ø225	Ø276	218.6	Ø291	Ø24	5×M22×1.5	14
1210	Ø175.7	Ø225	Ø276	218.6	Ø291	Ø22	10×M20×1.5	14



注：若需其他类型，详情请咨询本公司工程师。
Note: For other types, please consult our engineers for details.

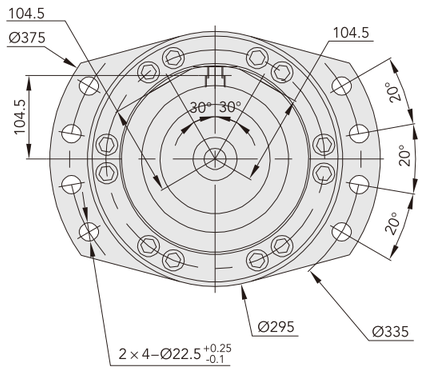
轴马达轴承支撑 Shaft motor bearing support

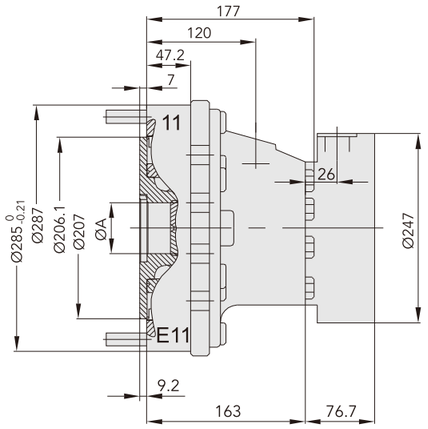
编号 No.	规格 Specification		A	B	C	D	E	F	G	
2A10	NF E22-141花键 Spline		15	R2.75	35	2×M10	24	70	–	
	公称直径 Nominal diameter Ø	75								
	模数 Modulus	2.5								
	齿数 Number of teeth	28								
2A50	DIN5480 花键		15	R2.75	35	2×M10	23	80	–	
	公称直径 Nominal diameter Ø	80								
	模数 Modulus	3								
	齿数 Number of teeth	25								



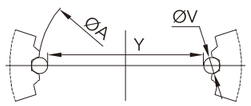
单排量液压基块 Single displacement hydraulic base block

订货代码 Order code：OMS11-2-123-F11-0000-0000





柱塞缸体花键 (按照标准NF E22-141) Plunger block spline (according to standard NF E22-141)				
			两个测量销间的最小距离 Minimum distance between two measuring pins	
ØA	模数 Modulus	Z	Y	ØV
75	2.5	28	65.169	5



液压连接油口 Hydraulic connection oil port

液压连接（连接油口）Hydraulic connection oil port						
编号 No.	旧标准 Old standard	标准 Standard	主油口 Main oil port （A、B）	壳体泄油口 Shell drain port （L）	驻车制动油口（Z） Parking brake oil port (Z)	变量油口（X） Variable oil port (X)
A	SAE J514	ISO 11926-1	1"1/16-12UNF	3/4"-16UNF	9/16"-18UNF	9/16"-18UNF
1	ISO 6162	ISO 6162	DN19 PN400	M18×1.5	M16×1.5	M16×1.5
	DIN 3852	ISO 9974-1				
4	BSPP	ISO 1179-1	M27×2	M18×1.5	M16×1.5	M16×1.5
5	NF E48-050	ISO 9974-1	M33×2	M18×1.5	M16×1.5	M16×1.5

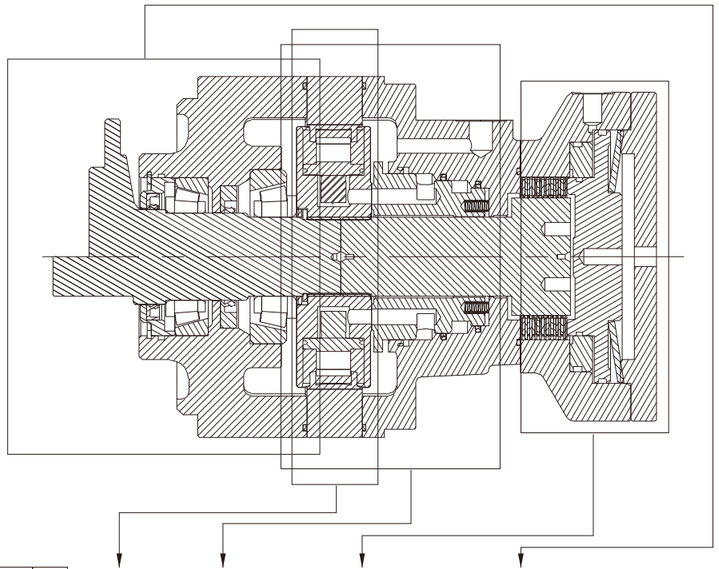
制动器 Brake

F11	制动腔内压力为 0 时制动器的制动扭矩（新制动器） Brake torque when the pressure in the brake chamber is 0 (new brake)	11840N.m
	制动腔内压力为 0 时紧急制动扭矩（最多可作紧急制动使用10次） Emergency braking torque when the pressure in the brake chamber is 0 (it can be used for emergency braking for up to 10 times)	7695N.m
	制动腔内压力为 0 时剩余的驻车制动扭矩 Residual parking brake torque when the pressure in the brake chamber is 0	8800N.m
	最小的制动器释放压力 Min. brake release pressure	2Mpa
	最大的制动器释放压力 Max. brake release pressure	5Mpa
	油量 Oil quantity	170cm^3
	用于制动器释放的液压油量 Amount of hydraulic oil used for brake release	40cm^3





马达编号



O M S 1 8 C D F P S
O M S E 1 8

配流体
单排量配流体 1
双排量配流体 D 排量比 2
双排量配流体 E 顺时针旋转
双排量配流体 F 逆时针旋转

	型号	序号	排量ml/r	
			1	2
对称内曲线滚道	OMS18	8	1395	698
		9	1571	786
		0	1747	874
		1	1912	956
		2	2099	1050
	OMSE18	0	2340	1170
		1	2560	1280
		2	2812	1406

底盘安装
不带安装耳 1
腰形安装耳 2
蹄形安装耳 3
方形安装耳 4

液压连接油口
无配流体端盖 0
ISO 6162 法兰
ISO 9974-1 连接 DN 19 1
ISO 6162 法兰
ISO 1179-1 连接 DN 19 2
ISO 9974-1 连接 4
ISO DP6162 法兰
ISO 6149-1 连接 DN 19 7
ISO DP6162 法兰
ISO 6149-1 连接 S35 1C DN 32 9
ISO 11926-1 连接 A

(D:详见P27)

无制动器(普通端盖)	A	1	8
带制动器	F	1	8
无制动器(加强端盖)	R	1	8

(F:详见P27)

输出形式
无轴承支撑 0
0 0 0 0
无安装耳(轮式) 1
带安装耳(轴式) 2

轴承支撑类型
无伸出轴 0
10×Ø24，Ø225 1
8×Ø22，Ø275 2
10×Ø24，Ø225 3
10×Ø24，Ø335 5
10×Ø24，Ø225 6
12×Ø24，Ø275 7
18×M16，Ø254 8
8×M22，Ø275 9
伸出轴轴承支撑 A
双出轴轴承支撑 S
通轴轴承支撑 T

轮式
无螺栓 1
螺栓螺母 2
螺栓 3
M螺纹孔 4

轴式
NFE22141 花键轴 1
DIN 5480 花键轴 5

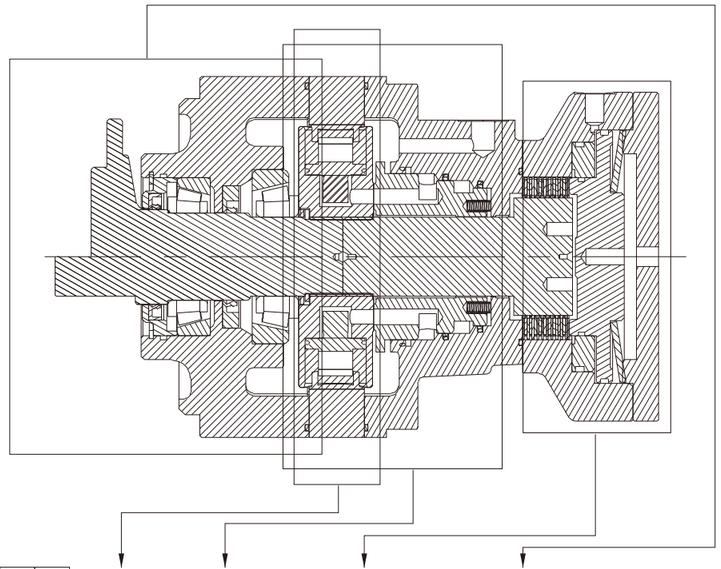
(P:详见P26)

待研发 0
(鼓式制动器)

底盘安装

无选项 0
氟化橡胶密封 1
T4 速度传感器(不带转动方向选项) 2
不带机械解除制动的端盖 3
泄油口 5
工业轴承支撑 6
预留速度传感器位置 8
空心轴 A
轴承支撑上带泄油口 B
恶劣工况 C
特殊喷漆或无喷漆 D
加强轴封 E
特殊轮辋安装 G
高效率 H
加强轴肩 J
高速 M
TD 速度传感器(两相交变频率) Q
TR 速度传感器(带数字式转动方向项) S
内花键伸出轴轴承支撑 N

Motor number



O M S 1 8 C D F P S
O M S E 1 8

Distribution fluid
Single displacement distribution fluid 1
Double displacement fluid distribution D
Displacement ratio 2
Double displacement fluid distribution E
Rotate clockwise
Double displacement fluid distribution F
Rotate counterclockwise

Chassis installation
Without mounting lug 1
Waist mounting lug 2
Hoof-shaped mounting lug 3
Square mounting lug 4

	Model	No.	Displacement ml/r	
			1	2
Symmetrical inner curved raceway	OMS18	8	1395	698
		9	1571	786
		0	1747	874
		1	1912	956
		2	2099	1050
	OMSE18	0	2340	1170
		1	2560	1280
		2	2812	1406

Hydraulic connection oil port
Fluid-free end cover 0
ISO 6162 flange
ISO 9974-1 Connection DN 19 1
ISO 6162 flange
ISO 1179-1 Connection DN 19 2
ISO 9974-1 Connection 4
ISO DP6162 flange
ISO 6149-1 Connection DN 19 7
ISO DP6162 flange
ISO 6149-1 Connection S35 1C DN 32 9
ISO 11926-1 Connection A
D: See P27 for details

No brake (ordinary end cap)	A	1	8
Belt brake	F	1	8
No brake (reinforced end cap)	R	1	8

F: See P27 for details

Output form
Bearingless support 0
0 0 0 0
No mounting lug (wheeled) 1
With mounting lug (shaft type) 2

Type of bearing support
Non-protruding shaft 0
10×Ø24，Ø225 1
8×Ø22，Ø275 2
10×Ø24，Ø225 3
10×Ø24，Ø335 5
10×Ø24，Ø225 6
12×Ø24，Ø275 7
18×M16，Ø254 8
8×M22，Ø275 9
Extended shaft bearing support A
Double outlet bearing support S
Through shaft bearing support T

Wheeled type
Bolt-free 1
Bolts and nuts 2
Bolt 3
M threaded hole 4

To be developed 0
(Drum brake)

Chassis installation

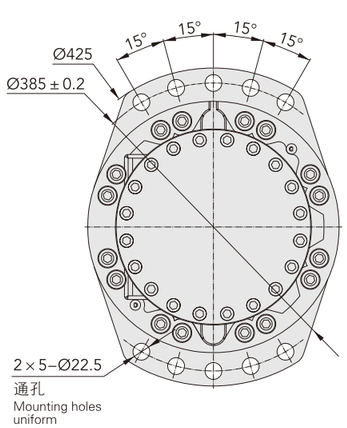
Axial type
NFE22141 Spline shaft 1
DIN 5480 Spline shaft 5
P: See P26 for details

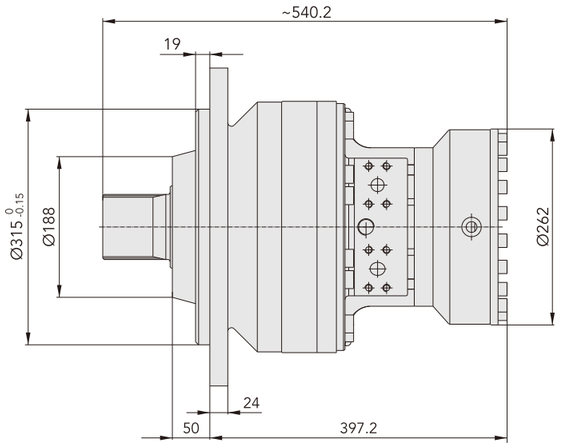
No options 0
Fluorinated rubber seal 1
T4 speed sensor (without rotation direction option) 2
End cover without mechanical release of brake 3
Oil drain port 5
Industrial bearing support 6
Reserve the position of speed sensor 8
Hollow shaft A
Bearing support with oil drain B
Bad condition C
Special paint or no paint D
Reinforced shaft seal E
Special rim installation G
High efficiency H
Reinforced shaft shoulder J
High speed M
TD Speed Sensor (Two-phase Alternating Frequency) Q
TR Speed Sensor (with Digital Rotation Direction Term) S
Internal spline extension shaft bearing support N

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

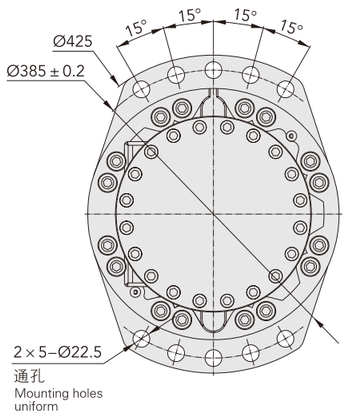
型 号 Model	编号 No.	排量 Displacement ml/r	压力/Pressure MPa		扭矩/Torque N.m		转速 Speed r/min		最大功率 Max. rated power Kw	最大流量 Max. mass flow L/min
			额定压力 Rated Pressure	尖峰压力 Max. Pressure	额定扭矩 Rated Torque	单位扭矩 Unit Torque	额定转速 Rated Rotational Speed	转速范围 Rotational Speed Range		
OMS18	8	1395，698	25	31.5	5212，2475	222，111	55	0–150	62，31	150
	9	1571，786	25	31.5	5870，2788	250，125	55	0–150	62，31	150
	0	1747，874	25	31.5	6528，3100	278，139	50	0–150	62，31	150
	1	1912，956	25	31.5	7140，3391	304，152	50	0–135	62，31	150
	2	2099，1050	25	31.5	7843，3725	334，167	50	0–135	62，31	150
OMSE18	0	2340，1170	25	31.5	8744，4153	372，186	50	0–130	62，31	150
	1	2560，1280	25	31.5	9564，4542	407，203	50	0–130	62，31	150
	2	2812，1406	25	31.5	10506，4990	447，223	45	0–120	62，31	150

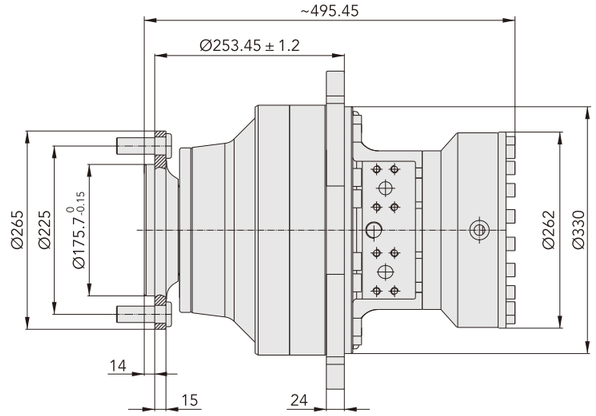
单排量轴马达 Single displacement shaft motor
订货代码 Order code：OMS18-X-111-F19-2A50-0000





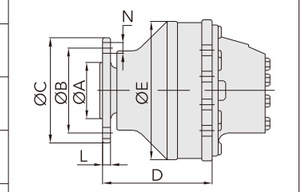
单排量轮边马达 Single displacement wheel motor
订货代码 Order code：OMS18-X-121-F19-1120-0000





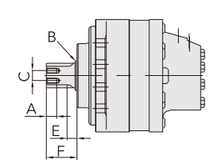
轮边马达轴承支撑 Wheel motor bearing support

轴承支撑类型 P Type of bearing support P								
编号 No.	A	B	C	D	E	N	轮辋安装 Rim installation	L
1110	Ø175.7	Ø225	Ø265	253.45	Ø334	Ø24	10 × M22 × 1.5	14
1210	Ø220.7	Ø275	Ø314	253.25	Ø334	Ø22	8 × M20 × 1.5	14
1710	Ø220.7	Ø275	Ø314	253.45	Ø334	Ø24	8 × M20 × 1.5	18

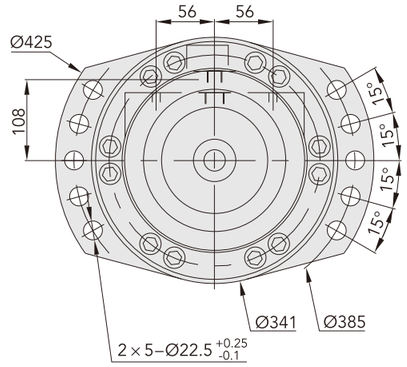


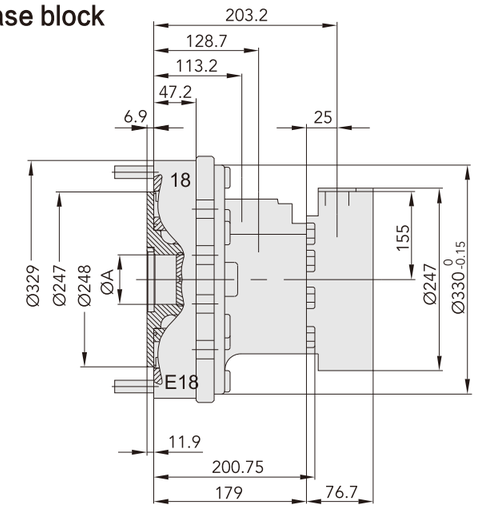
注：若需其他类型，详情请咨询本公司工程师。
Note: For other types, please consult our engineers for details.

轴马达轴承支撑 Shaft motor bearing support

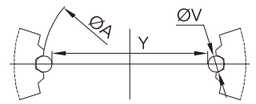
编号No.	规格 Specification		A	B	C	D	E	F	G	
2A10	NF E22-141花键 Spline		23	R3	35	2 × M14	23	90	–	
	公称直径 Nominal diameter Ø	90								
	模数 Modulus	2.5								
	齿数 Number of teeth	34								
2A50	DIN5480 花键 Spline		23	R3	35	2 × M14	23	90	–	
	公称直径 Nominal diameter Ø	90								
	模数 Modulus	3								
	齿数 Number of teeth	28								

单排量液压基块 Single displacement hydraulic base block
订货代码 Order code：OMS18-2-123-F18-0000-0000





柱塞缸体花键 (按照标准NF E22-141) Plunger block spline (according to standard NF E22-141)				
			两个测量销间的最小距离 Minimum distance between two measuring pins	
ØA	模数 Modulus	Z	Y	ØV
90	2.5	34	80.169	5



液压连接油口 Hydraulic connection oil port

液压连接（连接油口）Hydraulic connection oil port						
编号 No.	旧标准 Old standard	标准 Standard	主油口 Main oil port （A、B）	壳体泄油口 Shell drain port （L）	驻车制动油口（Z） Parking brake oil port (Z)	变量油口（X） Variable oil port (X)
A	SAE J514	ISO 11926-1	1"1/16-12UNF	7/8"-14UNF	3/4"-16UNF	3/4"-16UNF
1	ISO 6162	ISO 6162	DN19 PN400	M22×1.5	M16×1.5	M16×1.5
	DIN 3852	ISO 9974-1				
4	NF E48-050	ISO 9974-1	M27×2	M22×1.5	M16×1.5	M16×1.5

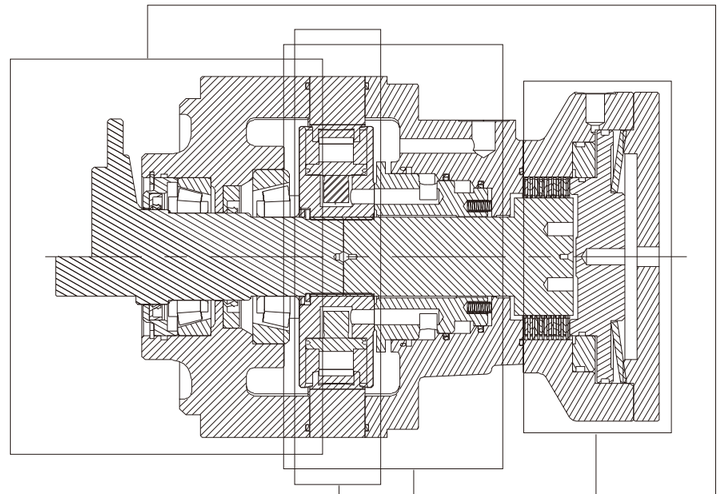
制动器 Brake

F18	制动腔内压力为 0 时制动器的制动扭矩（新制动器） Brake torque when the pressure in the brake chamber is 0 (new brake)	18600N.m
	制动腔内压力为 0 时紧急制动扭矩（最多可作紧急制动使用10次） Emergency braking torque when the pressure in the brake chamber is 0 (it can be used for emergency braking for up to 10 times)	12800N.m
	制动腔内压力为 0 时剩余的驻车制动扭矩 Residual parking brake torque when the pressure in the brake chamber is 0	13940N.m
	最小的制动器释放压力 Min. brake release pressure	2Mpa
	最大的制动器释放压力 Max. brake release pressure	5Mpa
	油量 Oil quantity	180cm^3
	用于制动器释放的液压油量 Amount of hydraulic oil used for brake release	70cm^3





马达编号



O M S 2 5 | C | D | F | P | S

配流体
单排量配流体 1
双排量配流体 D 排量比 2
双排量配流体 E 顺时针旋转
双排量配流体 F 逆时针旋转

对称内曲线滚道	型号	序号	排量ml/r	
			1	2
	OMS25	8	2004	1002
		0	2498	1249
		1	2752	1376
		2	3006	1503

底盘安装
不带安装耳 1
腰形安装耳 2
蹄形安装耳 3
方形安装耳 4

液压连接油口
无配流体端盖 0
ISO 6162 SAE 法兰
ISO 9974-1 公制连接 1
(D:详见P32)

无制动器(普通端盖)	A	2	5
带制动器	F	2	5
无制动器(加强端盖)	R	2	5

(F:详见P32)

输出形式
无轴承支撑 0
0 0 0 0
无安装耳(轮式) 1
带安装耳(轴式) 2

轴承支撑类型

无伸出轴	0
10×Ø24，Ø335	1
12×Ø25，Ø425	2
10×Ø24，Ø335	3
12 (8+4) Ø24，Ø275	5
伸出轴轴承支撑	A
双出轴轴承支撑	S
通轴轴承支撑	T

轮式
无螺栓 1
螺栓螺母 2
螺栓 3
M螺纹孔 4

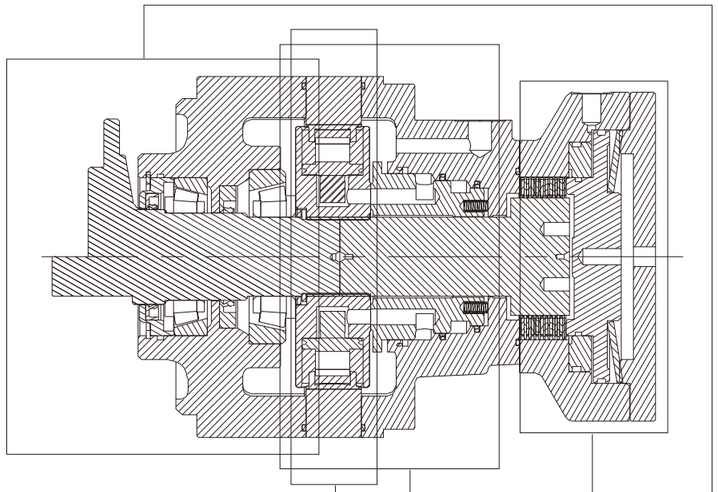
轴式
NFE22141 花键轴 1
DIN 5480花键轴 5
(P:详见P31)

待研发 0
(鼓式制动器)

底盘安装

无选项	0
氟化橡胶密封	1
T4 速度传感器（不带转动方向选项）	2
不带机械解除制动的端盖	3
泄油口	5
工业轴承支撑	6
预留速度传感器位置	8
空心轴	A
轴承支撑上带泄油口	B
恶劣工况	C
特殊喷漆或无喷漆	D
加强轴封	E
特殊轮辋安装	G
高效率	H
加强轴肩	J
高速	M
TD 速度传感器（两相交变频率）	Q
TR 速度传感器（带数字式转动方向项）	S
内花键伸出轴轴承支撑	N

Motor number



O	M	S	2	5	C	D	F	P	S

Distribution fluid
Single displacement distribution fluid 1
Double displacement fluid distribution D
Displacement ratio 2
Double displacement fluid distribution E
Rotate clockwise
Double displacement fluid distribution F
Rotate counterclockwise

Chassis installation
Without mounting lug 1
Waist mounting lug 2
Hoof-shaped mounting lug 3
Square mounting lug 4

Hydraulic connection oil port
Fluid-free end cover 0
ISO 6162 SAE flange
ISO 9974-1 Metric connection 1
D: See P32 for details

Symmetrical inner curved raceway	Model	No.	Displacement ml/r	
			1	2
	OMS25	8	2004	1002
		0	2498	1249
		1	2752	1376
		2	3006	1503

Output form
Bearingless support 0
0 0 0 0
No mounting lug (wheeled) 1
With mounting lug (shaft type) 2

Type of bearing support
Non-protruding shaft 0
10×Ø24，Ø335 1
12×Ø25，Ø425 2
10×Ø24，Ø335 3
12 (8+4) Ø24，Ø275 5
Extended shaft bearing support A
Double outlet bearing support S
Through shaft bearing support T

Wheeled type
Bolt-free 1
Bolts and nuts 2
Bolt 3
M threaded hole 4

No brake (ordinary end cap)	A	2	5
Belt brake	F	2	5
No brake (reinforced end cap)	R	2	5

F: See P32 for details

To be developed 0
(Drum brake)

Chassis installation

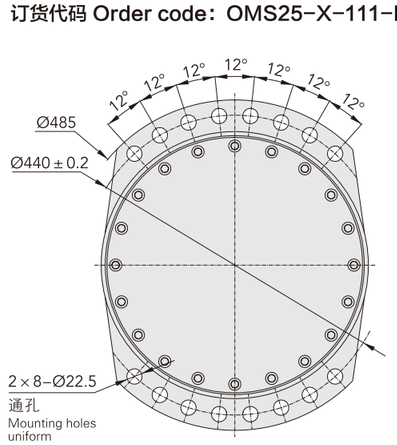
Axial type
NFE22141 Spline shaft 1
DIN 5480 Spline shaft 5
P: See P31 for details

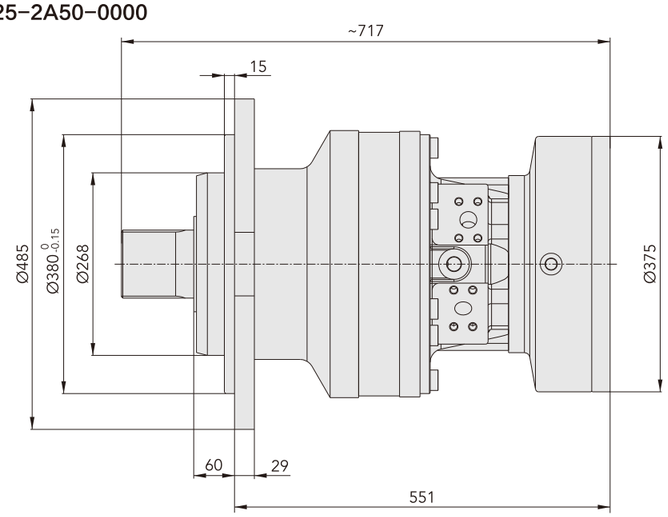
No options 0
Fluorinated rubber seal 1
T4 speed sensor (without rotation direction option) 2
End cover without mechanical release of brake 3
Oil drain port 5
Industrial bearing support 6
Reserve the position of speed sensor 8
Hollow shaft A
Bearing support with oil drain B
Bad condition C
Special paint or no paint D
Reinforced shaft seal E
Special rim installation G
High efficiency H
Reinforced shaft shoulder J
High speed M
TD Speed Sensor (Two-phase Alternating Frequency) Q
TR Speed Sensor (with Digital Rotation Direction Term) S
Internal spline extension shaft bearing support N

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

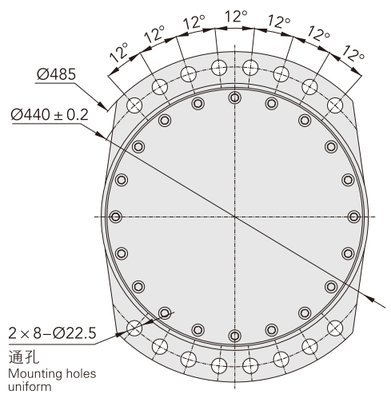
型 号 Model	编号 No.	排量 Displacement ml/r	压力/Pressure MPa		扭矩/Torque N.m		转速 Speed r/min		最大功率 Max. rated power Kw	最大流量 Max. mass flow L/min
			额定压力 Rated Pressure	尖峰压力 Max. Pressure	额定扭矩 Rated Torque	单位扭矩 Unit Torque	额定转速 Rated Rotational Speed	转速范围 Rotational Speed Range		
OMS25	8	2004，1002	25	31.5	7487，3556	318，159	55	0–130	80，40	200
	0	2498，1249	25	31.5	9334，4433	397，198	45	0–130	80，40	200
	1	2752，1376	25	31.5	10283，4884	437，218	45	0–120	80，40	200
	2	3006，1503	25	31.5	11232，5335	478，239	45	0–110	80，40	200

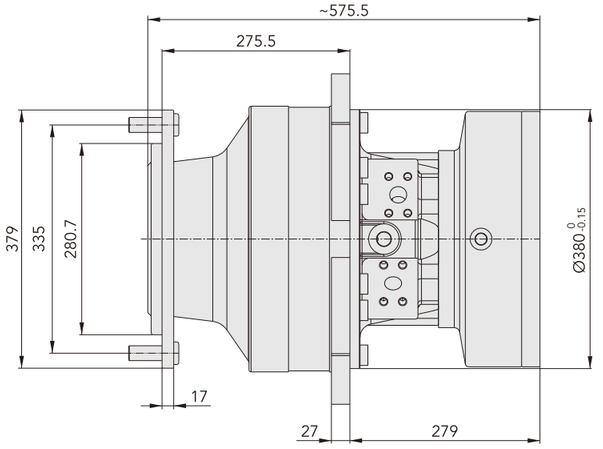
单排量轴马达 Single displacement shaft motor
订货代码 Order code：OMS25-X-111-F25-2A50-0000





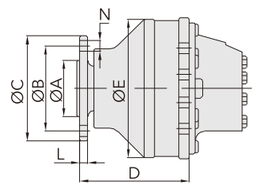
单排量轮边马达 Single displacement wheel motor
订货代码 Order code：OMS25-X-121-F25-1120-0000





轮边马达轴承支撑 Wheel motor bearing support

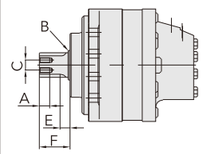
轴承支撑类型 P Type of bearing support P								
编号 No.	A	B	C	D	E	N	轮辋安装 Rim installation	L
1110	Ø280.7	Ø335	Ø379	275.50	Ø390	Ø24	10×M22×1.5	17
1210	Ø370	Ø425	Ø472	333.45	Ø390	Ø26	12×M24×1.5	24
1310	Ø280.7	Ø335	Ø385	236.50	Ø390	Ø24	10×M22×1.5	17
1510	Ø220.7	Ø275	Ø314	241.50	Ø390	Ø22	8×M20×1.5	17



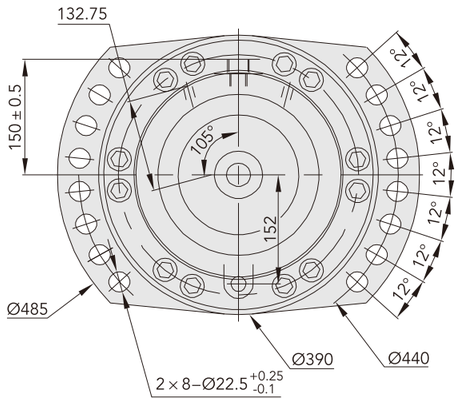
注：若需其他类型，详情请咨询本公司工程师。
Note: For other types, please consult our engineers for details.

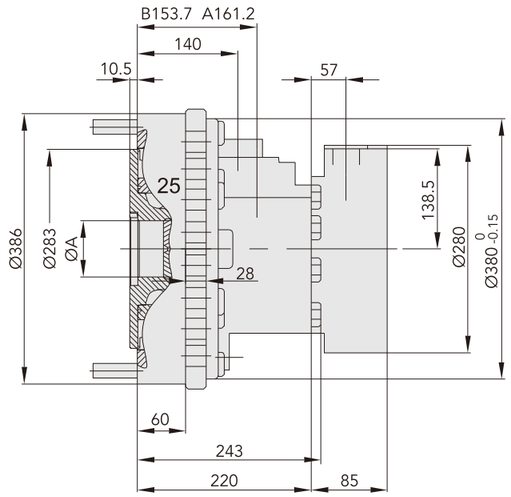
轴马达轴承支撑 Shaft motor bearing support

编号 No.	规格 Specification		A	B	C	D	E	F	G
2A10	NF E22-141花键 Spline		23	R4	35	2×M14	26.5	105	–
	公称直径 Nominal diameter Ø	100							
	模数 Modulus	2.5							
	齿数 Number of teeth	38							
2A50	DIN5480 花键 Spline		23	R4	35	2×M14	25	105	–
	公称直径 Nominal diameter Ø	100							
	模数 Modulus	3							
	齿数 Number of teeth	32							

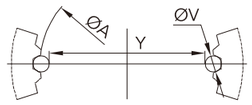


单排量液压基块
Single displacement hydraulic base block
订货代码 Order code：OMS25-2-123-F25-0000-0000





柱塞缸体花键 (按照标准NF E22-141) Plunger block spline (according to standard NF E22-141)				
			两个测量销间的最小距离 Minimum distance between two measuring pins	
ØA	模数 Modulus	Z	Y	ØV
100	2.5	38	90.169	5



液压连接油口 Hydraulic connection oil port

液压连接（连接油口）Hydraulic connection oil port						
编号 No.	旧标准 Old standard	标准 Standard	主油口 Main oil port （A、B）	壳体泄油口 Shell drain port （L）	驻车制动油口（Z） Parking brake oil port (Z)	变量油口（X） Variable oil port (X)
1	ISO 6162	ISO 6162	DN25 PN400	M22×1.5	M18×1.5	M18×1.5
	DIN 3852	ISO 9974-1				

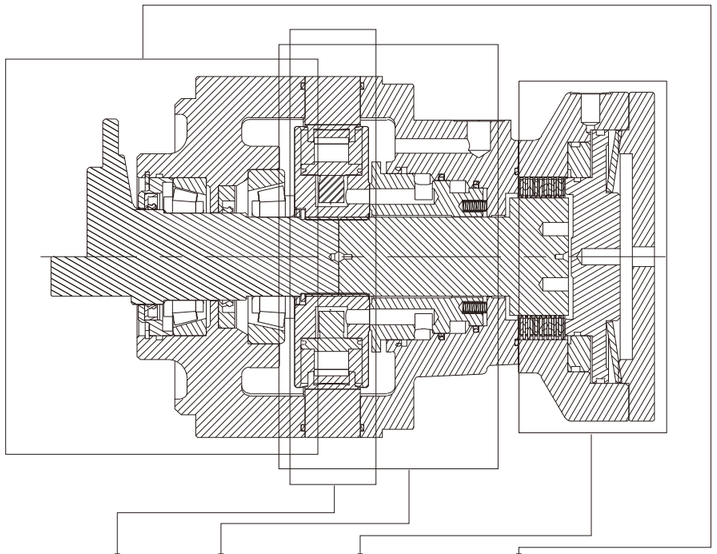
制动器 Brake

F25	制动腔内压力为 0 时制动器的制动扭矩（新制动器） Brake torque when the pressure in the brake chamber is 0 (new brake)	20900N.m
	制动腔内压力为 0 时紧急制动扭矩（最多可作紧急制动使用10次） Emergency braking torque when the pressure in the brake chamber is 0 (it can be used for emergency braking for up to 10 times)	13325N.m
	制动腔内压力为 0 时剩余的驻车制动扭矩 Residual parking brake torque when the pressure in the brake chamber is 0	15375N.m
	最小的制动器释放压力 Min. brake release pressure	2Mpa
	最大的制动器释放压力 Max. brake release pressure	5Mpa
	油量 Oil quantity	700cm^3
	用于制动器释放的液压油量 Amount of hydraulic oil used for brake release	70cm^3





马达编号



O	M	S	3	5	C	D	F	P	S

配流体
单排量配流体 1
双排量配流体 D 排量比 2
双排量配流体 E 顺时针旋转
双排量配流体 F 逆时针旋转

对称内曲线滚道	型号	序号	排量ml/r	
			1	2
	OMS35	9	3143	1572
		0	3494	1747
		1	3822	1911
		2	4198	2099

底盘安装
不带安装耳 1
腰形安装耳 2
蹄形安装耳 3
方形安装耳 4

液压连接油口
无配流体端盖 0
ISO DP6162 ISO 9974-1 1
ISO DP6162 ISO 1179-1 2
ISO 9974-1 4
ISO DP6162 ISO 6149-1 7
ISO DP6162 ISO 6149-1 9
ISO 11926-1 A
(D:详见P37)

无制动器(普通端盖)	A	3	5
带制动器	F	3	5
无制动器(加强端盖)	R	3	5

(F:详见P37)

输出形式
无轴承支撑 0
0 0 0 0
无安装耳(轮式) 1
带安装耳(轴式) 2

轴承支撑类型
无伸出轴 0
10×Ø24，Ø335 1
8×Ø22，Ø275 3
8×Ø17.5，Ø235 4
12×Ø22，Ø275 5
10×Ø24，Ø225 6
伸出轴轴承支撑 A
双出轴轴承支撑 S
通轴轴承支撑 T

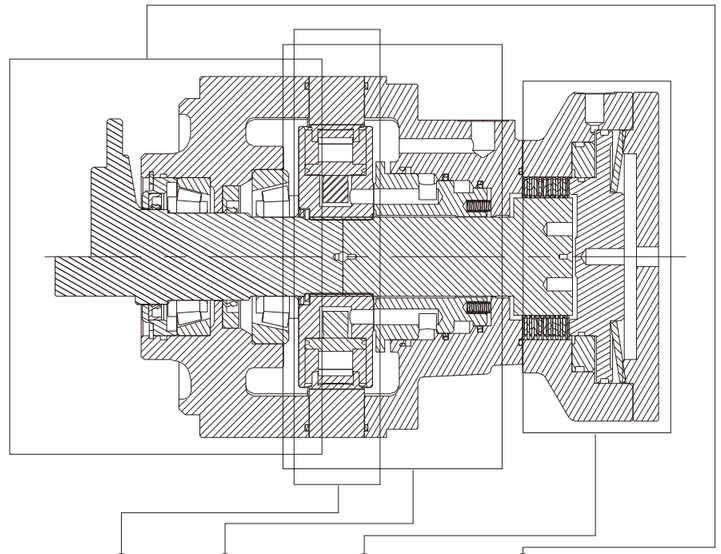
轮式
无螺栓 1
螺栓螺母 2
螺栓 3
M螺纹孔 4

轴式
NFE22141 花键轴 1
DIN 5480花键轴 5
(P:详见P36)

待研发 0
(鼓式制动器)

底盘安装
无选项 0
氟化橡胶密封 1
T4 速度传感器（不带转动方向选项） 2
不带机械解除制动的端盖 3
泄油口 5
工业轴承支撑 6
预留速度传感器位置 8
空心轴 A
轴承支撑上带泄油口 B
恶劣工况 C
特殊喷漆或无喷漆 D
加强轴封 E
特殊轮辋安装 G
高效率 H
加强轴肩 J
高速 M
TD 速度传感器（两相交变频率） Q
TR 速度传感器（带数字式转动方向项） S
内花键伸出轴轴承支撑 N

Motor number



O	M	S	3	5	C	D	F	P	S

Distribution fluid
Single displacement distribution fluid 1
Double displacement fluid distribution Displacement ratio 2 D
Double displacement fluid distribution Rotate clockwise E
Double displacement fluid distribution Rotate counterclockwise F

Symmetrical inner curved raceway	Model	No.	Displacement ml/r	
			1	2
	OMS35	8	2004	1002
		0	2498	1249
		1	2752	1376
		2	3006	1503

Chassis installation
Without mounting lug 1
Waist mounting lug 2
Hoof-shaped mounting lug 3
Square mounting lug 4

Hydraulic connection oil port
Fluid-free end cover 0
ISO DP6162 ISO 9974-1 1
ISO DP6162 ISO 1179-1 2
ISO 9974-1 4
ISO DP6162 ISO 6149-1 7
ISO DP6162 ISO 6149-1 9
ISO 11926-1 A
D: See P37 for details

No brake (ordinary end cap)	A	3	5
Belt brake	F	3	5
No brake (reinforced end cap)	R	3	5

F: See P37 for details

Output form
Bearingless support 0
0 0 0 0
No mounting lug (wheeled) 1
With mounting lug (shaft type) 2

Type of bearing support
Non-protruding shaft 0
10×Ø24，Ø335 1
12×Ø25，Ø425 2
10×Ø24，Ø335 3
12 (8+4) Ø24，Ø275 5
Extended shaft bearing support A
Double outlet bearing support S
Through shaft bearing support T

Wheeled type
Bolt-free 1
Bolts and nuts 2
Bolt 3
M threaded hole 4

To be developed 0
(Drum brake)

Chassis installation

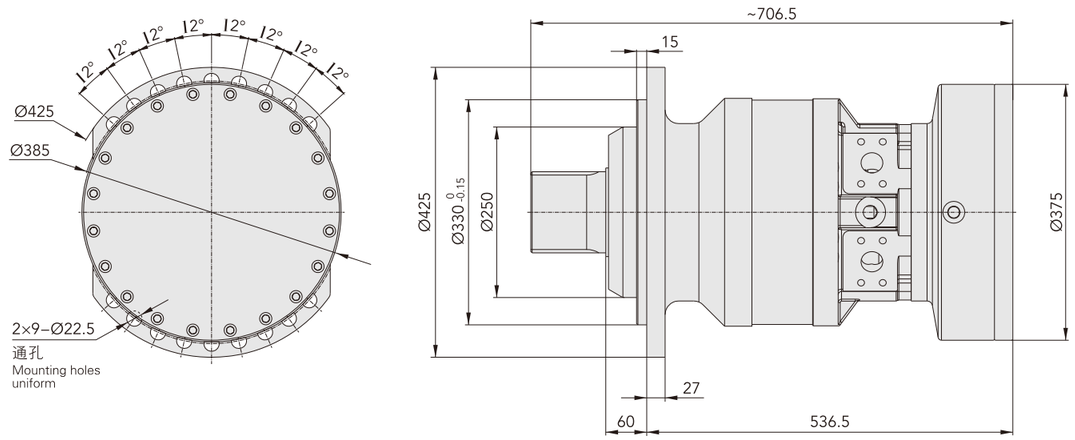
Axial type
NFE22141 Spline shaft 1
DIN 5480 Spline shaft 5
P: See P36 for details

No options 0
Fluorinated rubber seal 1
T4 speed sensor (without rotation direction option) 2
End cover without mechanical release of brake 3
Oil drain port 5
Industrial bearing support 6
Reserve the position of speed sensor 8
Hollow shaft A
Bearing support with oil drain B
Bad condition C
Special paint or no paint D
Reinforced shaft seal E
Special rim installation G
High efficiency H
Reinforced shaft shoulder J
High speed M
TD Speed Sensor (Two-phase Alternating Frequency) Q
TR Speed Sensor (with Digital Rotation Direction Term) S
Internal spline extension shaft bearing support N

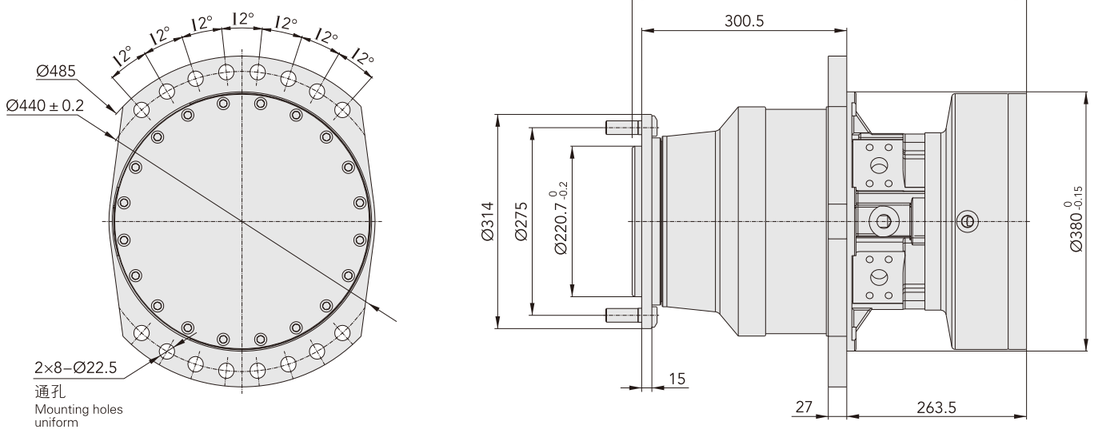
技术性能参数(对称内曲线滚道)
Technical performance parameters (symmetrical inner curved raceway)

型 号 Model	编号 No.	排量 Displacement ml/r	压力/Pressure MPa		扭矩/Torque N.m		转速 Speed r/min		最大功率 Max. rated power Kw	最大流量 Max. mass flow L/min
			额定压力 Rated Pressure	尖峰压力 Max. Pressure	额定扭矩 Rated Torque	单位扭矩 Unit Torque	额定转速 Rated Rotational Speed	转速范围 Rotational Speed Range		
OMS35	9	3143，1572	25	31.5	11743，5577	500，250	45	0–100	97，48	250
	0	3494，1747	25	31.5	13055，6201	556，278	40	0–100	97，48	250
	1	3822，1911	25	31.5	14212，6750	608，304	40	0–95	97，48	250
	2	4198，2099	25	31.5	15185，7212	669，334	40	0–95	97，48	250

单排量轴马达 Single displacement shaft motor
订货代码 Order code：OMS35-X-111-F35-2A50-0000

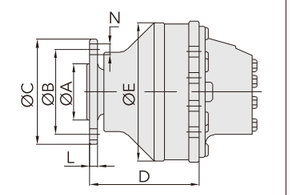


单排量轮边马达 Single displacement wheel motor
订货代码 Order code：OMS35-X-121-F35-1320-0000



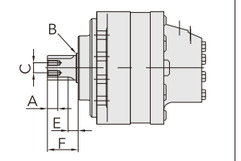
轮边马达轴承支撑 Wheel motor bearing support

轴承支撑类型 P Type of bearing support P								
编号 No.	A	B	C	D	E	N	轮辋安装 Rim installation	L
1110	Ø280.7	Ø335	Ø385	338	Ø334	Ø24	10×M22×1.5	24
1310	Ø220.7	Ø275	Ø314	300.5	Ø334	Ø22	8×M20×1.5	14
1510	Ø220.7	Ø275	Ø314	301.0	Ø334	Ø22	(8+4)×M20×1.5	14
1611	Ø175.7	Ø225	Ø276	300.5	Ø334	Ø24	10×M22×1.5	15

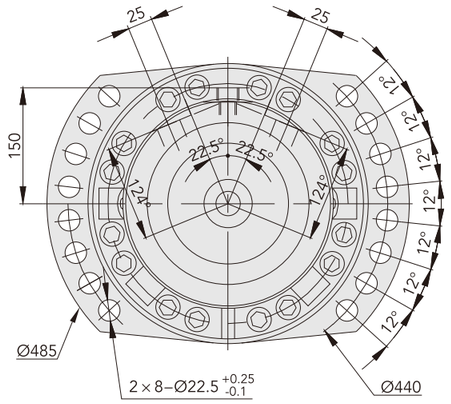


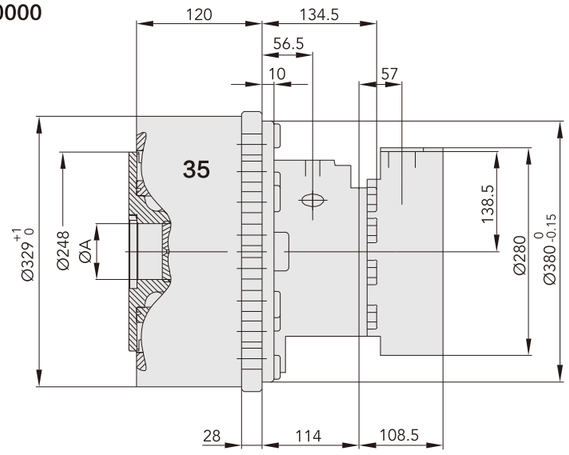
注：若需其他类型，详情请咨询本公司工程师。
Note: For other types, please consult our engineers for details.

轴马达轴承支撑 Shaft motor bearing support

编号No.	规格 Specification		A	B	C	D	E	F	G	
2A10	NF E22-141花键 Spline		40	R3	60	2×M16	28	110	–	
	公称直径 Nominal diameter Ø	120								
	模数 Modulus	3.75								
	齿数 Number of teeth	30								
2A50	DIN5480 花键 Spline		40	R3	60	2×M16	28	110	–	
	公称直径Nominal diameter Ø	120								
	模数 Modulus	5								
	齿数 Number of teeth	22								

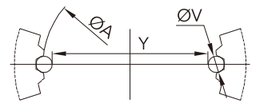
单排量液压基块 Single displacement hydraulic base block
订货代码 Order code：OMS35-2-123-F35-0000-0000





注：也可与OMS18通用，详情请咨询本公司工程师！
Note: It can also be used with OMS18，Please consult our engineers for details.

柱塞缸体花键 (按照标准NF E22-141) Plunger block spline (according to standard NF E22-141)				
			两个测量销间的最小距离 Minimum distance between two measuring pins	
ØA	模数 Modulus	Z	Y	ØV
90	2.5	34	80.169	5



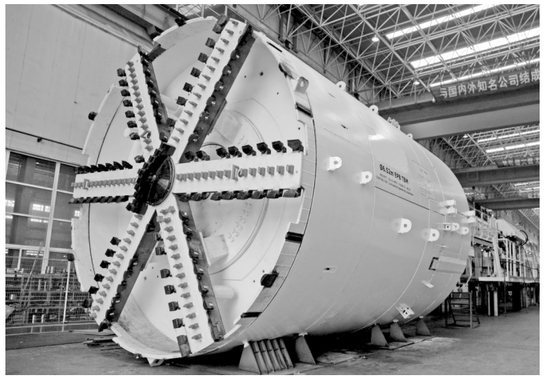
液压连接油口 Hydraulic connection oil port

液压连接（连接油口）Hydraulic connection oil port						
编号 No.	旧标准 Old standard	标准 Standard	主油口 Main oil port （A、B）	壳体泄油口 Shell drain port （L）	驻车制动油口（Z） Parking brake oil port (Z)	变量油口（X） Variable oil port (X)
A	SAE J514	ISO 11926-1	1"1/16-12UNFA	7/8"-14UNFA	3/4"-16UNFA	3/4"-16UNFA
1	ISO 6162	ISO 6162	DN19 PN400	M22×1.5	M16×1.5	M16×1.5
	DIN 3852	ISO 9974-1				
4	NF E48-050	ISO 9974-1	M27×2	M22×1.5	M16×1.5	M16×1.5

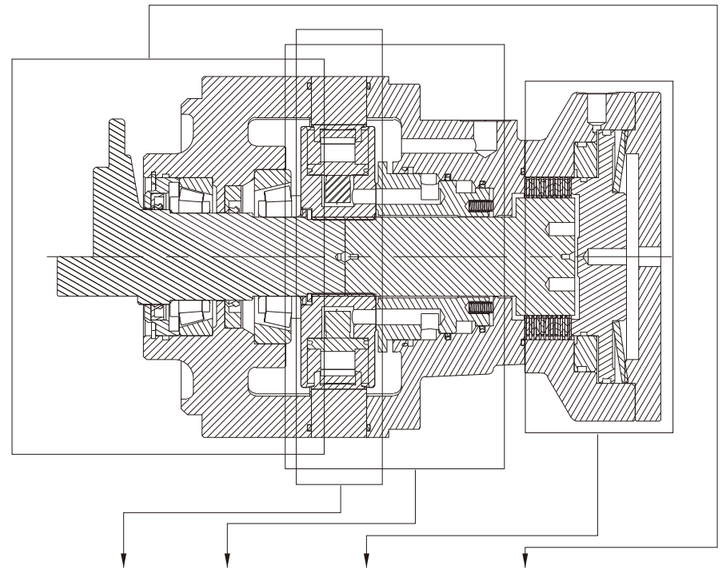
制动器 Brake

F35	制动腔内压力为 0 时制动器的制动扭矩（新制动器） Brake torque when the pressure in the brake chamber is 0 (new brake)	20500N.m
	制动腔内压力为 0 时紧急制动扭矩（最多可作紧急制动使用10次） Emergency braking torque when the pressure in the brake chamber is 0 (it can be used for emergency braking for up to 10 times)	13325N.m
	制动腔内压力为 0 时剩余的驻车制动扭矩 Residual parking brake torque when the pressure in the brake chamber is 0	15375N.m
	最小的制动器释放压力 Min. brake release pressure	2Mpa
	最大的制动器释放压力 Max. brake release pressure	5Mpa
	油量 Oil quantity	700cm³
	用于制动器释放的液压油量 Amount of hydraulic oil used for brake release	70cm³





马达编号



O M S 5 0 [C] [D] [F] [P] [S]

C 配流体
- 单排量配流体 1
- 双排量配流体 D 排量比 2
- 双排量配流体 E 顺时针旋转
- 双排量配流体 F 逆时针旋转

对称内曲线滚道	型号	序号	排量ml/r	
			1	2
	OMS50	9	3143	1572
		0	3494	1747
		1	3822	1911
		2	4198	2099

D 底盘安装
- 不带安装耳 1
- 腰形安装耳 2
- 蹄形安装耳 3
- 方形安装耳 4

液压连接油口
- 无配流体端盖 0
- ISO 6162SAE法兰 1
- ISO 9974-1

（D:详见P42）

F

无制动器(普通端盖)	A	5	0
带制动器	F	5	0
无制动器(加强端盖)	R	5	0

（F:详见P42）

P 输出形式
- 无轴承支撑 0
- 0 0 0 0
- 无安装耳(轮式) 1
- 带安装耳(轴式) 2

轴承支撑类型

无伸出轴	0
12×Ø26，Ø425	1
10×Ø24，Ø335	3
10×Ø24，Ø335	4
12×Ø25，Ø275	5
伸出轴轴承支撑	A
双出轴轴承支撑	S
通轴轴承支撑	T

轮式
- 无螺栓 1
- 螺栓螺母 2
- 螺栓 3

轴式
- NFE22141 花键轴 1
- DIN 5480 花键轴 5

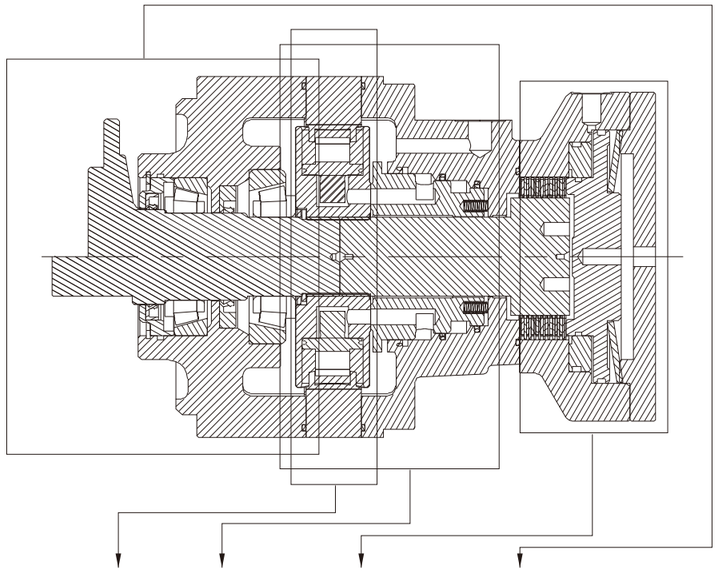
（P:详见P41）

S
- 待研发 0
- （鼓式制动器）

底盘安装

无选项	0
氟化橡胶密封	1
T4 速度传感器（不带转动方向选项）	2
不带机械解除制动的端盖	3
泄油口	5
工业轴承支撑	6
预留速度传感器位置	8
空心轴	A
轴承支撑上带泄油口	B
恶劣工况	C
特殊喷漆或无喷漆	D
加强轴封	E
特殊轮辋安装	G
高效率	H
加强轴肩	J
高速	M
TD 速度传感器（两相交变频率）	Q
TR 速度传感器（带数字式转动方向项）	S
内花键伸出轴轴承支撑	N

Motor number



O	M	S	5	0												

Distribution fluid
Single displacement distribution fluid 1
Double displacement fluid distribution D
Displacement ratio 2
Double displacement fluid distribution E
Rotate clockwise
Double displacement fluid distribution F
Rotate counterclockwise

Chassis installation
Without mounting lug 1
Waist mounting lug 2
Hoof-shaped mounting lug 3
Square mounting lug 4

Symmetrical inner curved raceway	Model	No.	Displacement ml/r	
			1	2
	OMS50	9	3143	1572
		0	3494	1747
		1	3822	1911
		2	4198	2099

Hydraulic connection oil port
Fluid-free end cover 0
ISO 6162 SAE flange
ISO 9974-1 1
D: See P42 for details

No brake (ordinary end cap)	A	5	0
Belt brake	F	5	0
No brake (reinforced end cap)	R	5	0

F: See P42 for details

Output form
Bearingless support 0

0	0	0	0

No mounting lug (wheeled) 1
With mounting lug (shaft type) 2

Type of bearing support
Non-protruding shaft 0
12×Ø26, Ø425 1
10×Ø24, Ø335 3
10×Ø24, Ø335 4
12×Ø25, Ø275 5
12 (8+4) Ø24, Ø275 5
Extended shaft bearing support A
Double outlet bearing support S
Through shaft bearing support T

Wheeled type
Bolt-free 1
Bolts and nuts 2
Bolt 3

To be developed 0
(Drum brake)

Chassis installation

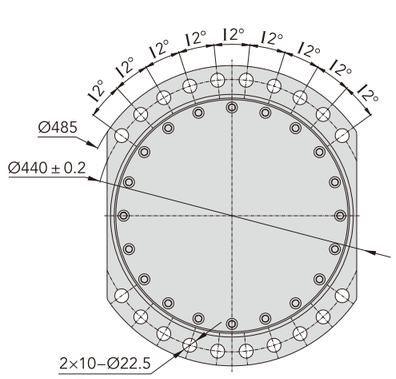
Axial type
NFE22141 Spline shaft 1
DIN 5480 Spline shaft 5
P: See P41 for details

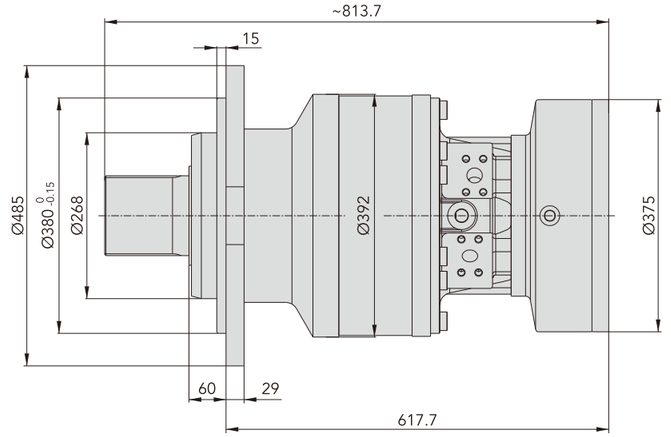
No options 0
Fluorinated rubber seal 1
T4 speed sensor (without rotation direction option) 2
End cover without mechanical release of brake 3
Oil drain port 5
Industrial bearing support 6
Reserve the position of speed sensor 8
Hollow shaft A
Bearing support with oil drain B
Bad condition C
Special paint or no paint D
Reinforced shaft seal E
Special rim installation G
High efficiency H
Reinforced shaft shoulder J
High speed M
TD Speed Sensor (Two-phase Alternating Frequency) Q
TR Speed Sensor (with Digital Rotation Direction Term) S
Internal spline extension shaft bearing support N

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

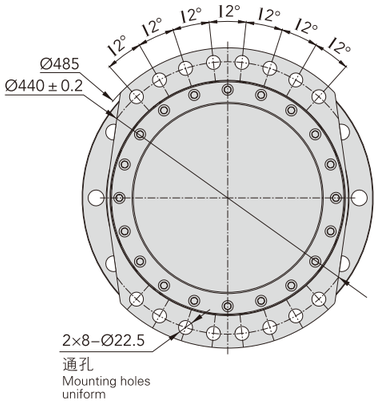
型 号 Model	编号 No.	排量 Displacement ml/r	压力/Pressure MPa		扭矩/Torque N.m		转速 Speed r/min		最大功率 Max. rated power Kw	最大流量 Max. mass flow L/min
			额定压力 Rated Pressure	尖峰压力 Max. Pressure	额定扭矩 Rated Torque	单位扭矩 Unit Torque	额定转速 Rated Rotational Speed	转速范围 Rotational Speed Range		
OMS50	9	4496，2248	25	31.5	16132，7662	715，357	45	0–95	110，55	300
	0	4996，2498	25	31.5	18667，8866	795，397	35	0–95	110，55	300
	1	5504，2752	25	31.5	20256，9621	875，437	35	0–90	110，55	300
	2	6012，3006	25	31.5	22463，10669	957，478	35	0–90	110，55	300

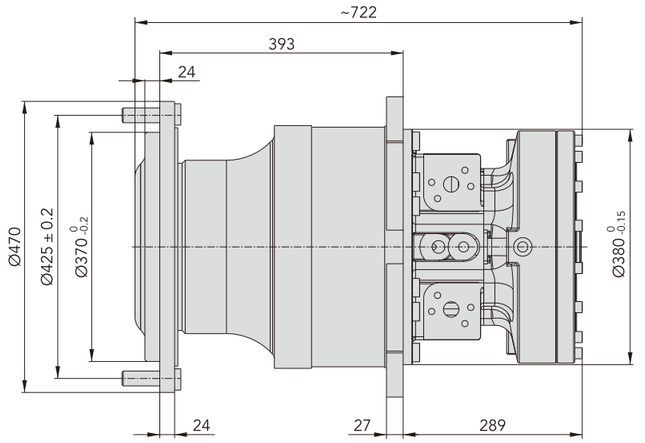
单排量轴马达 Single displacement shaft motor
订货代码 Order code：OMS50-X-111-F50-2A50-0000





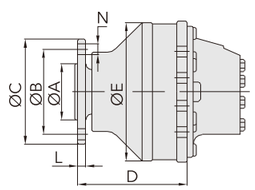
单排量轮边马达 Single displacement wheel motor
订货代码 Order code：OMS50-X-E21-T50-1120-0000





轮边马达轴承支撑 Wheel motor bearing support

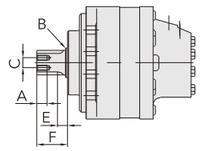
轴承支撑类型 P Type of bearing support P								
编号 No.	A	B	C	D	E	N	轮辋安装 Rim installation	L
1110	Ø370	Ø425	Ø472	393.00	Ø390	Ø26	12×M24×2	24
1310	Ø280.7	Ø335	Ø379	335.00	Ø390	Ø24	10×M22×1.5	17
1410	Ø280.7	Ø335	Ø379	296.00	Ø390	Ø24	10×M22×1.5	17
1510	Ø220.7	Ø275	Ø314.5	348.00	Ø390	Ø22	(8+4)×M20×1.5	18



注：若需其他类型，详情请咨询本公司工程师。
Note: For other types, please consult our engineers for details.

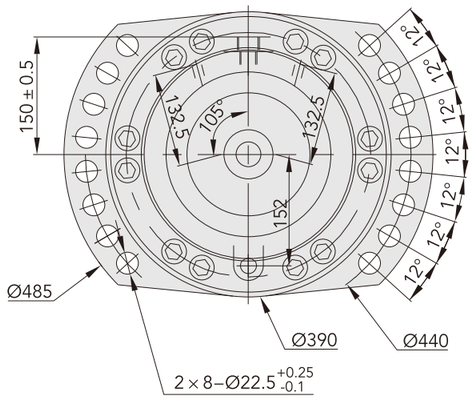
轴马达轴承支撑 Shaft motor bearing support

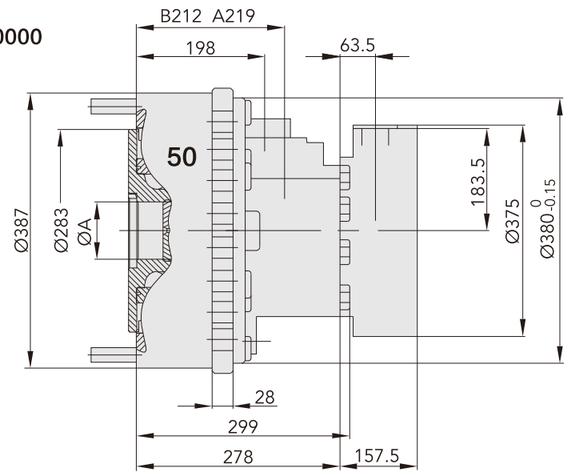
编号 No.	规格 Specification		A	B	C	D	E	F	G
2A10	NF E22-141花键 Spline		40	R4	60	2×M16	32	136	–
	公称直径 Nominal diameter Ø	130							
	模数 Modulus	3.75							
	齿数 Number of teeth	33							
2A50	DIN5480 花键 Spline		40	R4	60	2×M16	32	136	–
	公称直径 Nominal diameter Ø	130							
	模数 Modulus	5							
	齿数 Number of teeth	24							



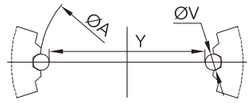
单排量液压基块
Single displacement hydraulic base block

订货代码 Order code：OMS50-2-123-F50-0000-0000





柱塞缸体花键 (按照标准NF E22-141) Plunger block spline (according to standard NF E22-141)				
			两个测量销间的最小距离 Minimum distance between two measuring pins	
ØA	模数 Modulus	Z	Y	ØV
100	2.5	38	90.169	5



液压连接油口 Hydraulic connection oil port

液压连接（连接油口）Hydraulic connection oil port						
编号 No.	旧标准 Old standard	标准 Standard	主油口 Main oil port （A、B）	壳体泄油口 Shell drain port （L）	驻车制动油口（Z） Parking brake oil port (Z)	变量油口（X） Variable oil port (X)
1	ISO 6162	IISO 6162	DN25 PN400	M22×1.5	M18×1.5	M18×1.5
	DIN 3852	ISO 9974-1				

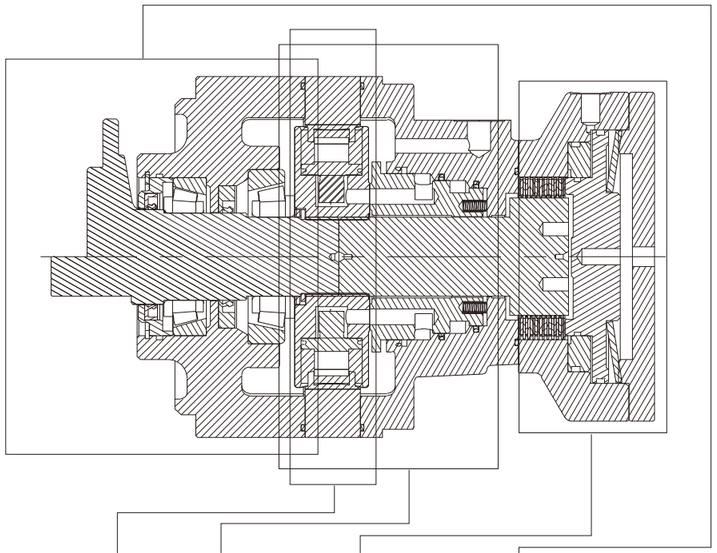
制动器 Brake

F50	制动腔内压力为 0 时制动器的制动扭矩（新制动器） Brake torque when the pressure in the brake chamber is 0 (new brake)	30000N.m
	制动腔内压力为 0 时紧急制动扭矩（最多可作紧急制动使用10次） Emergency braking torque when the pressure in the brake chamber is 0 (it can be used for emergency braking for up to 10 times)	19500N.m
	制动腔内压力为 0 时剩余的驻车制动扭矩 Residual parking brake torque when the pressure in the brake chamber is 0	22500N.m
	最小的制动器释放压力 Min. brake release pressure	2Mpa
	最大的制动器释放压力 Max. brake release pressure	5Mpa
	油量 Oil quantity	450cm³
	用于制动器释放的液压油量 Amount of hydraulic oil used for brake release	135cm³





马达编号



O M S 8 3 — C — D — F — P — S

配流体
单排量配流体 1
双排量配流体 D 排量比 2
双排量配流体 E 顺时针旋转
双排量配流体 F 逆时针旋转

对称内曲线滚道	型号	序号	排量ml/r	
			1	2
	OMS83	8	6679	3340
		9	7482	3741
		0	9323	4162
		1	9173	4587
		2	10019	5010

底盘安装
不带安装耳 1
腰形安装耳 2
蹄形安装耳 3
方形安装耳 4

液压连接油口
无配流体端盖 0
ISO 6162 SAE 法兰
ISO 9974-1 公制连接 1
(D:详见P47)

无制动器(普通端盖)	A	8	3
带制动器	F	8	3
无制动器(加强端盖)	R	8	3

(F:详见P47)

输出形式
无轴承支撑 0
0 0 0 0
无安装耳 1
轴式输出 2
轮式输出 4

轴承支撑类型
无伸出轴 0
长轴承支撑:
24×Ø26，Ø425 2
短轴承支撑:
24×Ø26，Ø425 3
伸出轴轴承支撑 A
双出轴轴承支撑 S
通轴轴承支撑 T

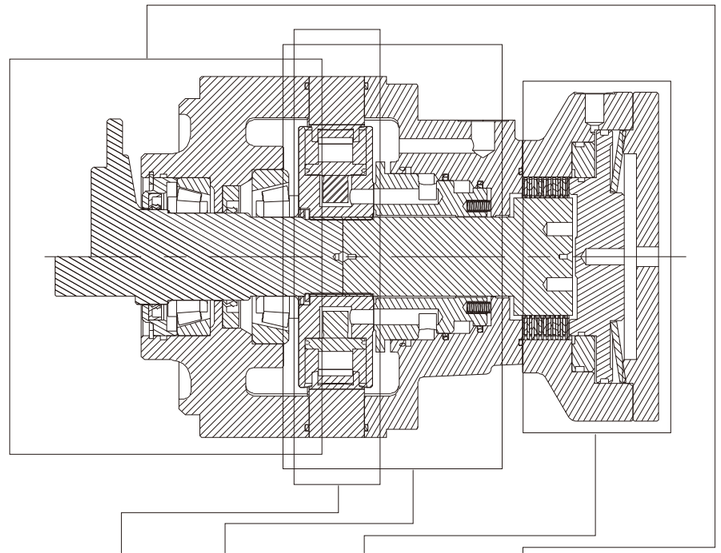
轮式
无螺栓 1
螺栓螺母 2
螺栓 3

轴式
NFE22141 花键轴 1
DIN 5480 花键轴 5
(P:详见P46)

待研发 0
(鼓式制动器)

底盘安装
无选项 0
氟化橡胶密封 1
T4 速度传感器（不带转动方向选项） 2
不带机械解除制动的端盖 3
泄油口 5
工业轴承支撑 6
预留速度传感器位置 8
空心轴 A
轴承支撑上带泄油口 B
恶劣工况 C
特殊喷漆或无喷漆 D
加强轴封 E
特殊轮辋安装 G
高效率 H
加强轴肩 J
高速 M
TD 速度传感器（两相交变频率） Q
TR 速度传感器（带数字式转动方向项） S
内花键伸出轴轴承支撑 N

Motor number



O M S 8 3 — C — D — F — P — S

Distribution fluid
Single displacement distribution fluid 1
Double displacement fluid distribution Displacement ratio 2 D
Double displacement fluid distribution Rotate clockwise E
Double displacement fluid distribution Rotate counterclockwise F

Chassis installation
Without mounting lug 1
Waist mounting lug 2
Hoof-shaped mounting lug 3
Square mounting lug 4

Symmetrical inner curved raceway	Model	No.	Displacement ml/r	
			1	2
	OMS83	8	6679	3340
		9	7482	3741
		0	9323	4162
		1	9173	4587
		2	10019	5010

Hydraulic connection oil port
Fluid-free end cover 0
ISO 6162 SAE flange
ISO 9974-1 Metric connection 1
D: See P47 for details

No brake (ordinary end cap)	A	8	3
Belt brake	F	8	3
No brake (reinforced end cap)	R	8	3

F: See P47 for details

Output form
Bearingless support 0
0 0 0 0
No mounting lug (wheeled) 1
With mounting lug (shaft type) 2

Type of bearing support
Non-protruding shaft 0
Long bearing support:
24×Ø26，Ø425 2
Short bearing support:
24×Ø26，Ø425 3
Extended shaft bearing support A
Double outlet bearing support S
Through shaft bearing support T

Wheeled type
Bolt-free 1
Bolts and nuts 2
Bolt 3

To be developed 0
(Drum brake)

Chassis installation

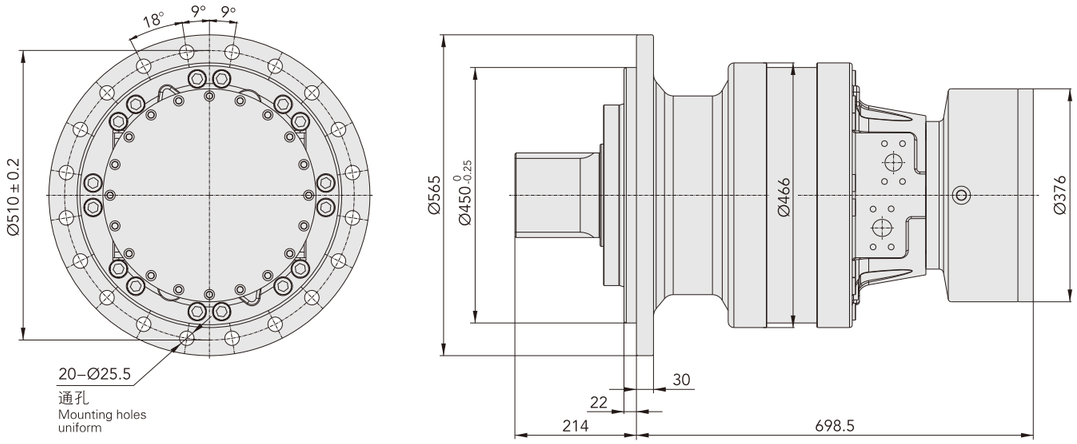
Axial type
NFE22141 Spline shaft 1
DIN 5480 Spline shaft 5
P: See P46 for details

No options 0
Fluorinated rubber seal 1
T4 speed sensor (without rotation direction option) 2
End cover without mechanical release of brake 3
Oil drain port 5
Industrial bearing support 6
Reserve the position of speed sensor 8
Hollow shaft A
Bearing support with oil drain B
Bad condition C
Special paint or no paint D
Reinforced shaft seal E
Special rim installation G
High efficiency H
Reinforced shaft shoulder J
High speed M
TD Speed Sensor (Two-phase Alternating Frequency) Q
TR Speed Sensor (with Digital Rotation Direction Term) S
Internal spline extension shaft bearing support N

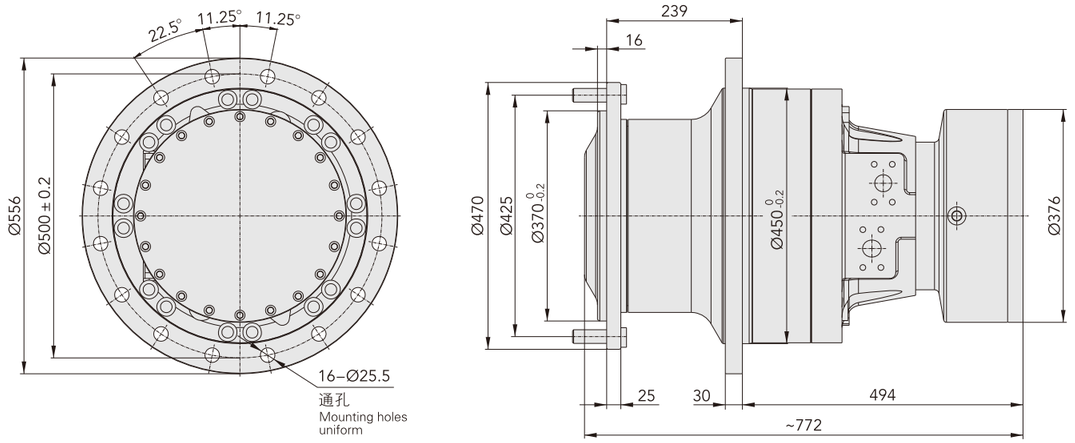
技术性能参数(对称内曲线滚道)
Technical performance parameters (symmetrical inner curved raceway)

型 号 Model	编号 No.	排量 Displacement ml/r	压力/Pressure MPa		扭矩/Torque N.m		转速 Speed r/min		最大功率 Max. rated power Kw	最大流量 Max. mass flow L/min
			额定压力 Rated Pressure	尖峰压力 Max. Pressure	额定扭矩 Rated Torque	单位扭矩 Unit Torque	额定转速 Rated Rotational Speed	转速范围 Rotational Speed Range		
OMS83	8	6679，3340	25	31.5	24956，11854	1062，531	35	0–80	123，61	400
	9	7482，3741	25	31.5	27381，13005	1190，595	35	0–80	123，61	400
	0	8323，4162	25	31.5	31098，14771	1325，662	35	0–80	123，61	400
	1	9173，4587	25	31.5	34589，16429	1459，729	32	0–75	123，61	400
	2	10019，5010	25	31.5	37436，17782	1595，797	32	0–75	123，61	400

单排量轴马达 Single displacement shaft motor
订货代码 Order code：OMS83-X-111-T80-3A50-0000



单排量轮边马达 Single displacement wheel motor
订货代码 Order code：OMS83-X-111-T80-4320-0000



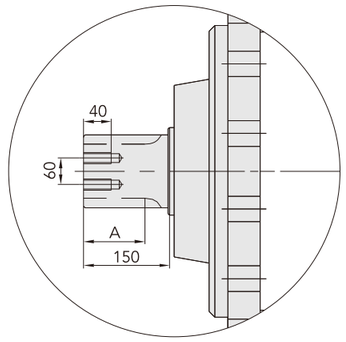
轮边马达轴承支撑 Wheel motor bearing support

类型 Type	编号 No.	A	B	C	D
长轴承支撑 Long bearing support	4220	24	284	665	797
短轴承支撑 Short bearing support	4230	25	239	6209	752

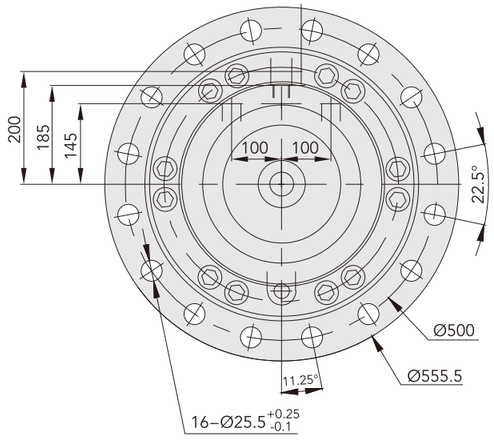
注：若需其他类型，详情请咨询本公司工程师。
Note: For other types, please consult our engineers for details.

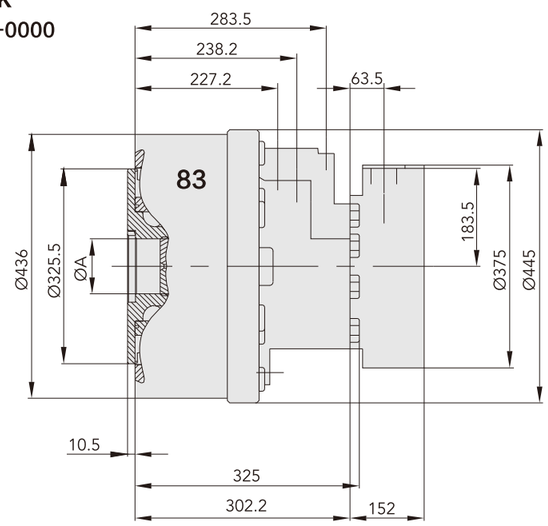
轴马达轴承支撑 Shaft motor bearing support

编号 No.	规格 Specification	公称直径 Nominal diameter Ø	模数 Modulus	Z	最大有效长度A Maximum effective length A
3A10	NF E22-141花键 Spline	150	3.75	38	119
3A50	DIN 5480 花键 Spline	150	5	28	118

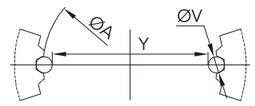


单排量液压基块
Single displacement hydraulic base block
订货代码 Order code： OMS83-2-□1□-F83-0000-0000





柱塞缸体花键 (按照标准NF E22-141) Plunger block spline (according to standard NF E22-141)				
			两个测量销间的最小距离 Minimum distance between two measuring pins	
ØA	模数 Modulus	Z	Y	ØV
120	3.75	30	105.253	7.5



液压连接油口 Hydraulic connection oil port

液压连接（连接油口）Hydraulic connection oil port						
编号 No.	旧标准 Old standard	标准 Standard	主油口 Main oil port （A、B）	壳体泄油口 Shell drain port （L）	驻车制动油口（Z） Parking brake oil port (Z)	变量油口（X） Variable oil port (X)
1	ISO 6162	ISO 6162	DN32 PN400	M27×2	M18×1.5	M18×1.5
	DIN 3852	ISO 9974-1				

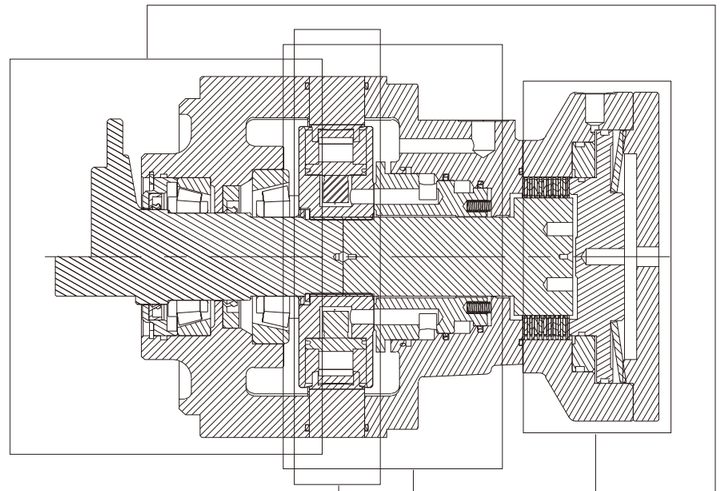
制动器 Brake

F83	制动腔内压力为 0 时制动器的制动扭矩（新制动器） Brake torque when the pressure in the brake chamber is 0 (new brake)	42000N.m
	制动腔内压力为 0 时紧急制动扭矩（最多可作紧急制动使用10次） Emergency braking torque when the pressure in the brake chamber is 0 (it can be used for emergency braking for up to 10 times)	27300N.m
	制动腔内压力为 0 时剩余的驻车制动扭矩 Residual parking brake torque when the pressure in the brake chamber is 0	31500N.m
	最小的制动器释放压力 Min. brake release pressure	2Mpa
	最大的制动器释放压力 Max. brake release pressure	5Mpa
	油量 Oil quantity	450cm^3
	用于制动器释放的液压油量 Amount of hydraulic oil used for brake release	135cm^3





马达编号



O M S 1 2 5 | C | D | F | P | S

配流体
单排量配流体 1
双排量配流体 D 排量比 2
双排量配流体 E 顺时针旋转
双排量配流体 F 逆时针旋转

配流体类型
高流量（HighFlow™）不带安装耳 B
分配 固定耳 C

对称内曲线滚道	型号	序号	排量ml/r 1	排量ml/r 2
	OMS125	8	10000	5000
		0	12500	6250
		2	15000	7500

液压连接油口
无配流体端盖	0
HP: ISO 6162 SAE 法兰 DN32 BP: ISO 9974-1公制端口	J
HP: ISO 6162 SAE 法兰 DN32 BP: ISO 9974-1 GAZ端口	K

(D:详见P53)

无制动器(普通端盖)	A	1	2	5
带制动器	F	1	2	5
无制动器(加强端盖)	R	1	2	5

(F:详见P53)

输出形式
无轴承支撑 0
0 0 0 0
近轴端法兰 3
近凸轮端法兰 4
扭矩马达 6

轴承支撑类型
无伸出轴 0
长轴承支撑:
24×Ø26，Ø425 3
短轴承支撑:
24×Ø26，Ø425 4
伸出轴轴承支撑 A
双出轴轴承支撑 S
锁紧套轴承支撑Ø160 D

轮式
无螺栓 1
螺栓螺母 2
螺栓 3

轴式
NFE22 141 花键轴 1
DIN 5480 花键轴 5
内花键 DIN5480(适宜于机架安装) B
内花键 DIN5480(适宜于扭力臂安装) D

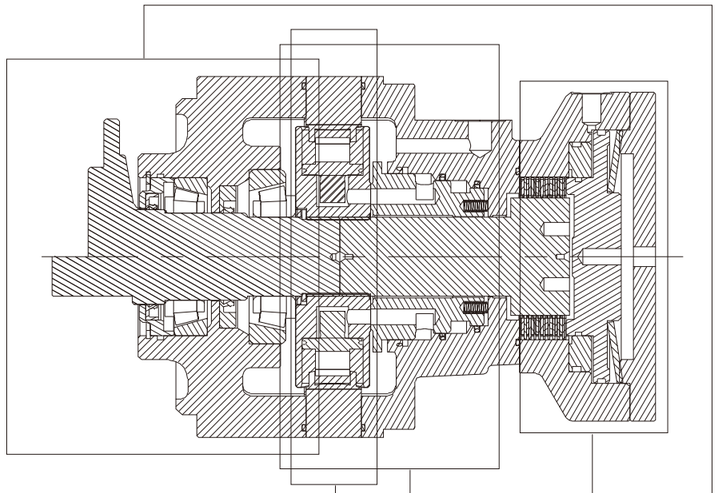
(P:详见P52)

待研发 0
(鼓式制动器)

底盘安装

无选项	0
氟化橡胶密封	1
T4 速度传感器（不带转动方向选项）	2
不带机械解除制动的端盖	3
泄油口	5
工业轴承支撑	6
预留速度传感器位置	8
空心轴	A
轴承支撑上带泄油口	B
恶劣工况	C
特殊喷漆或无喷漆	D
加强轴封	E
特殊轮辋安装	G
高效率	H
加强轴肩	J
高速	M
TD 速度传感器（两相交变频率）	Q
TR 速度传感器（带数字式转动方向项）	S
内花键伸出轴轴承支撑	N

Motor number



O M S 1 2 5 | C | D | F | P | S

Distribution fluid
Single displacement distribution fluid 1
Double displacement fluid distribution D
Displacement ratio 2
Double displacement fluid distribution E
Rotate clockwise
Double displacement fluid distribution F
Rotate counterclockwise

Formatting fluid types
(HighFlow™) Without installed ears B
Assign fixed ears C

Symmetrical inner curved raceway	Model	No.	Displacement ml/r	
			1	2
	OMS125	8	10000	5000
		0	12500	6250
		2	15000	7500

Hydraulic connection oil port
End cap without fluid port 0
HP: ISO 6162 SAE Flange DN32
BP: ISO 9974-1 Metric port J
HP: ISO 6162 SAE Flange DN32
BP: ISO 9974-1 GAZ port K

D: See P53 for details

No brake (ordinary end cap)	A	1	2	5
Belt brake	F	1	2	5
No brake (reinforced end cap)	R	1	2	5

F: See P53 for details

Output form
Bearingless support 0
0 0 0 0
Near-axis end flange 3
Near cam end flange 4
Torque motor 6

Type of bearing support
Non-protruding shaft 0
Long bearing support:
24×Ø26, Ø425 3
Short bearing support:
24×Ø26, Ø425 4
Extended shaft bearing support A
Locking sleeve bearing support Ø160 D

Wheeled type
Bolt-free 1
Bolts and nuts 2
Bolt 3

To be developed 0
(Drum brake)

Chassis installation

Axial type
NFE22-141 Spline shaft 1
DIN 5480 Spline shaft 5
Internal spline DIN5480
(Suitable for rack mounting) B
Internal spline DIN5480
(Suitable for torque arm installation) D

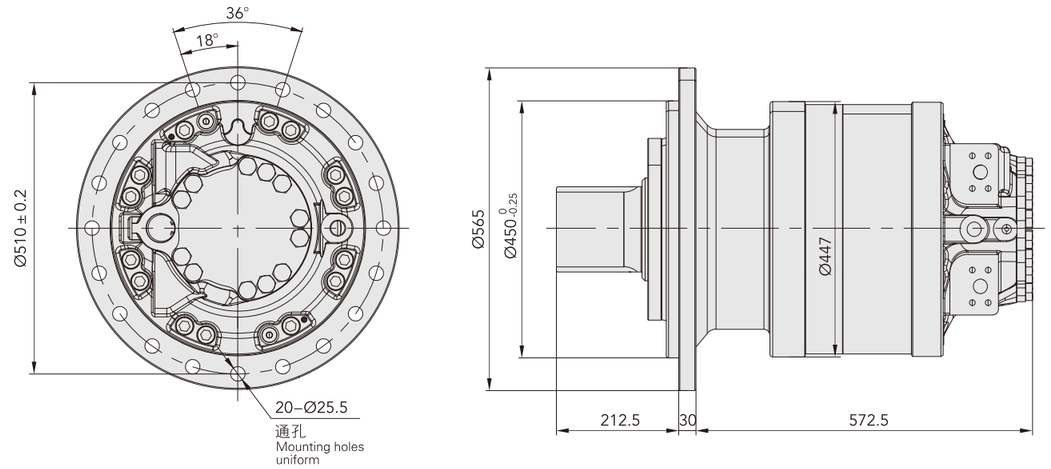
P: See P52 for details

No options 0
Fluorinated rubber seal 1
T4 speed sensor (without rotation direction option) 2
End cover without mechanical release of brake 3
Oil drain port 5
Industrial bearing support 6
Reserve the position of speed sensor 8
Hollow shaft A
Bearing support with oil drain B
Bad condition C
Special paint or no paint D
Reinforced shaft seal E
Special rim installation G
High efficiency H
Reinforced shaft shoulder J
High speed M
TD Speed Sensor (Two-phase Alternating Frequency) Q
TR Speed Sensor (with Digital Rotation Direction Term) S
Internal spline extension shaft bearing support N

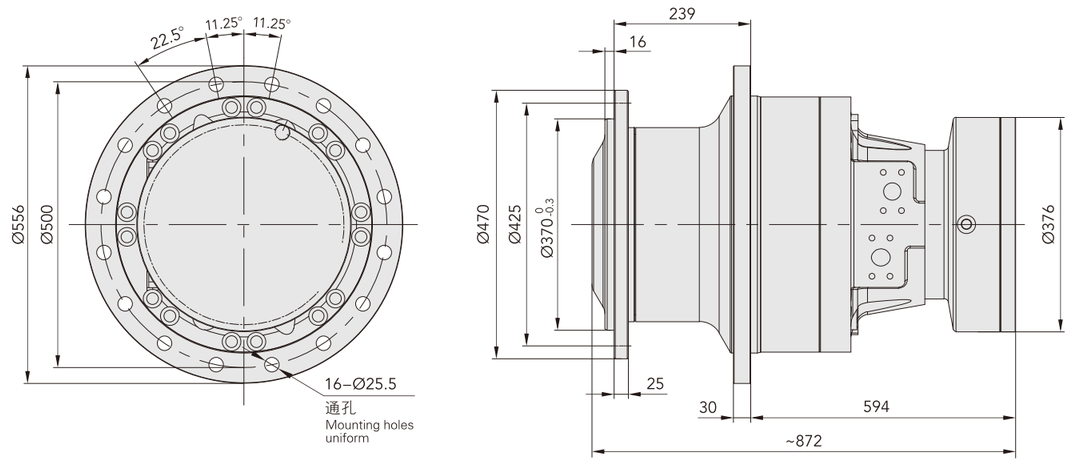
技术性能参数(对称内曲线滚道)
Technical performance parameters (symmetrical inner curved raceway)

型 号 Model	编号 No.	排量 Displacement ml/r	压力/Pressure MPa		扭矩/Torque N.m		转速 Speed r/min		最大功率 Max. rated power Kw
			额定压力 Rated Pressure	尖峰压力 Max. Pressure	额定扭矩 Rated Torque	单位扭矩 Unit Torque	额定转速 Rated Rotational Speed	转速范围 Rotational Speed Range	
OMS125	8	10000, 5000	25	35	37365, 18682	1592, 796	46	0-62	240
	0	12500, 6250	25	35	46706, 23353	1989, 995	37	0-50	240
	2	15000, 7500	25	35	56047, 28024	2387, 1194	31	0-42	240

单排量轴马达 Single displacement shaft motor
订货代码 Order code：OMS125-X-111-R125-3A50-0000



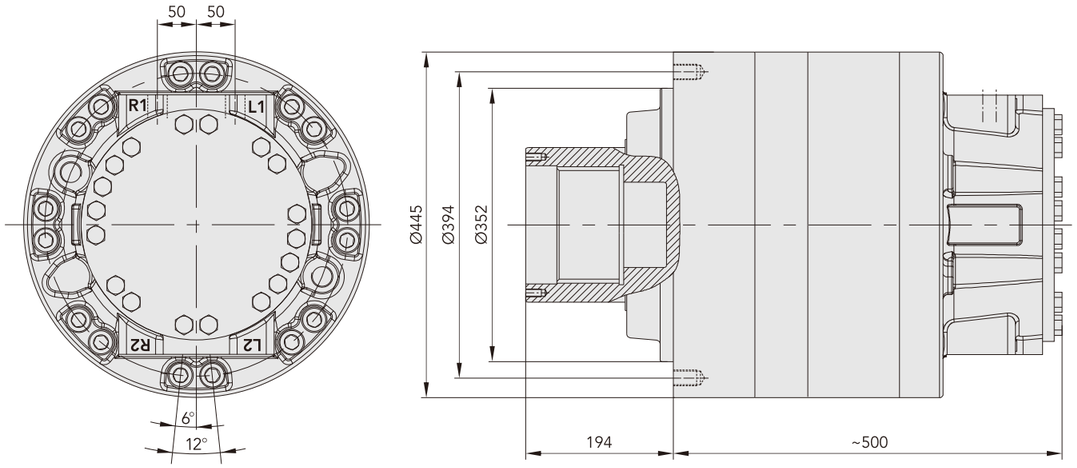
单排量轮边马达 Single displacement wheel motor
订货代码 Order code：OMS125-X-111-R125-4310-0000



www.china-osj.cn

单排量内花键马达
Single-displacement internal spline motor motor

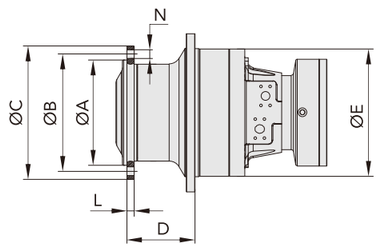
订货代码 Order code：OMS125-X-1BK-R125-6AB1-0000



轮边马达轴承支撑 Wheel motor bearing support

类型 Type	编号 No.	A	B	D	E	N	轮辋安装 Rim installation	L
长轴承支撑 Long bearing support	4311	Ø370	Ø425	284	Ø445	Ø26	24×M24×2	26
短轴承支撑 Short bearing support	4411	Ø370	Ø425	239	Ø445	Ø26	24×M24×2	26

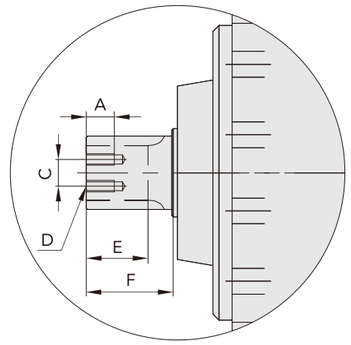
注：若需其他类型，详情请咨询本公司工程师。
Note: For other types, please consult our engineers for details.



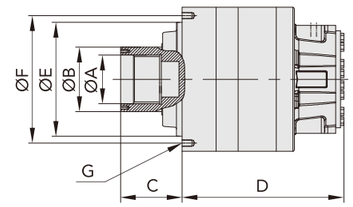
www.nbosj.com

轴马达轴承支撑 Shaft motor bearing support

编号 No.	规格 Specification		A	C	D	E	F
3A10	NF E22-141 花键 Spline		40	60	2×M16	117	150
	公称直径 Nominal diameter	Ø150					
	模数 Modulus	3.75					
	齿数 Number of teeth	38					
3A50	DIN 5480 花键 Spline		40	60	2×M16	118	150
	公称直径 Nominal diameter	Ø150					
	模数 Modulus	5					
	齿数 Number of teeth	28					

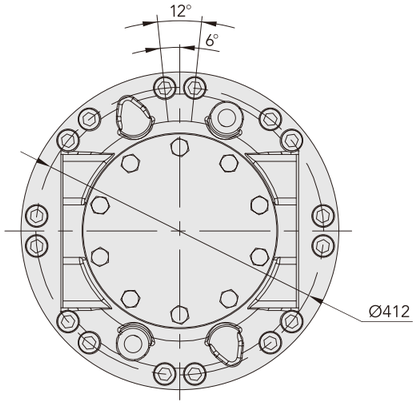


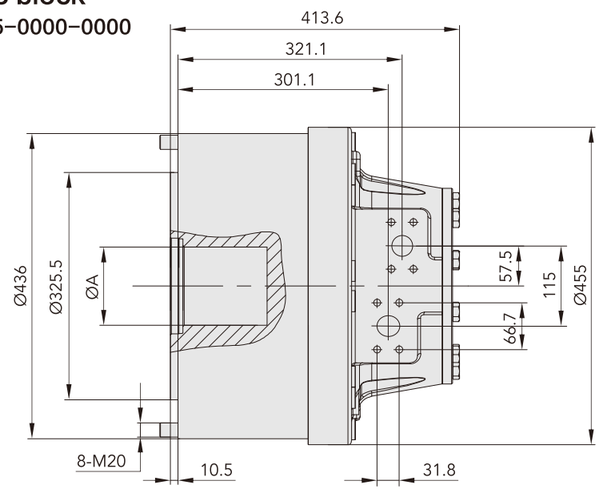
编号 No.	规格 Specification		A	B	C	D	E	F	G
6AB1	DIN 5480 花键 Spline		Ø150	Ø199	194	495	Ø352	Ø394	16×M24
	公称直径 Nominal diameter	Ø150							
	模数 Modulus	5							
	齿数 Number of teeth	28							
6AD1	DIN 5480 花键 Spline		Ø150	Ø199	194	495	Ø352	Ø394	16×M24
	公称直径 Nominal diameter	Ø150							
	模数 Modulus	5							
	齿数 Number of teeth	28							



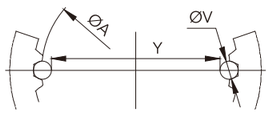
单排量液压基块
Single displacement hydraulic base block

订货代码 Order code： OMS125-X-1BJ-R125-0000-0000





柱塞缸体花键 (按照标准DIN 5480) Plunger block spline (according to standard DIN5480)				
			两个测量销间的最小距离 Minimum distance between two measuring pins	
ØA	模数 Modulus	Z	Y	ØV
130	3	42	119.078	5



OMS125

www.china-osj.cn

液压连接油口 Hydraulic connection oil port

液压连接（连接油口）Hydraulic connection oil port						
编号 No.	旧标准 Old standard	标准 Standard	主油口 Main oil port （A、B）	壳体泄油口 Shell drain port （L）	驻车制动油口（Z） Parking brake oil port (Z)	变量油口（X） Variable oil port (X)
J	Metric Gaz BSPP	ISO 9974-1	DN32 PN400	M27×2	M18×1.5	M18×1.5
K		ISO 1179-1				

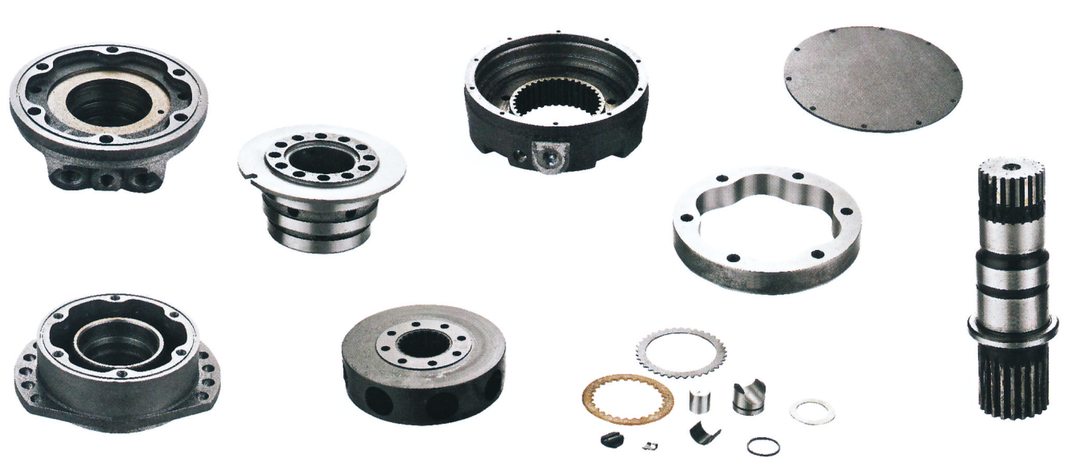
制动器 Brake

F125	制动腔内压力为 0 时制动器的制动扭矩（新制动器） Brake torque when the pressure in the brake chamber is 0 (new brake)	72000N.m
	制动腔内压力为 0 时紧急制动扭矩（最多可作紧急制动使用10次） Emergency braking torque when the pressure in the brake chamber is 0 (it can be used for emergency braking for up to 10 times)	62400N.m
	制动腔内压力为 0 时剩余的驻车制动扭矩 Residual parking brake torque when the pressure in the brake chamber is 0	54000N.m
	最小的制动器释放压力 Min. brake release pressure	2Mpa
	最大的制动器释放压力 Max. brake release pressure	3Mpa
	油量 Oil quantity	450cm^3
	用于制动器释放的液压油量 Amount of hydraulic oil used for brake release	135cm^3

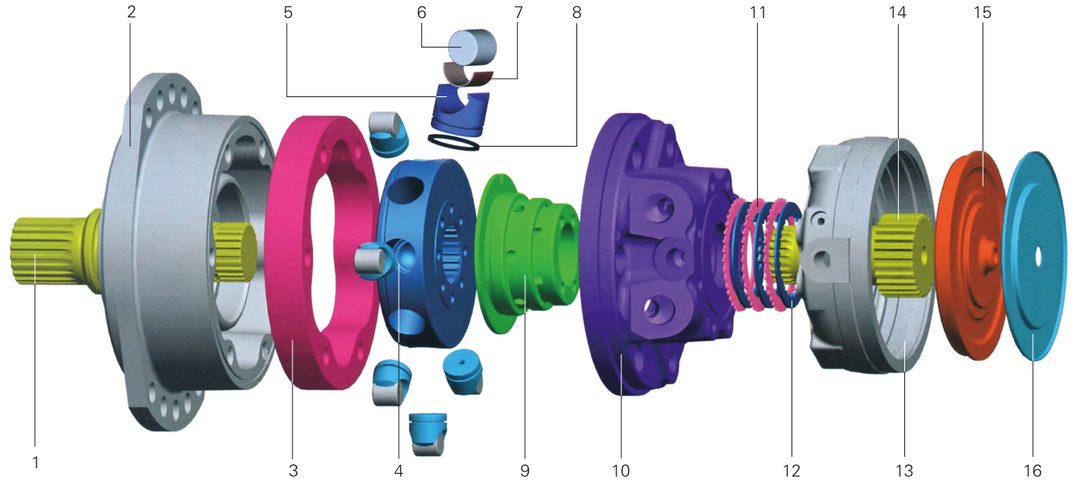




零配件
Parts and accessories



产品详细介绍
Detailed introduction of products



序号 Item	部件名称 Description	数量 Quantity
1	传动轴 Drive Shaft	1
2	前盖 Front Cover	1
3	定子 Stator	1
4	转子 Rotor	1
5	柱塞 Plunger Piston	8
6	滚子 Roller	8
7	无油轴承 Bushing	8
8	活塞环 Piston Ring	8

序号 Item	部件名称 Description	数量 Quantity
9	配流轴 Distributor	1
10	后盖 Rear Cover	1
11	静摩擦片 Static Friction	15
12	动摩擦片 Dynamic Friction	13
13	制动缸 Brake Cylinder	1
14	制动轴 Brake Shaft	1
15	制动活塞 Brake Plunger	1
16	制动缸盖 Cover Plate	1