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2014

HELM TOWER

2004.03
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» 关于我们

宁波市恒通液压科技有限公司是文魁控股集团旗下一家专业设计与生产HMS和HMCR系列液压马达的国家级重点高新企业。公司位于宁波高新技术区，靠近北仑港和杭州湾大桥，交通极为便利。

本着“专注、专业、创新”的精神，恒通公司长期致力于液压元件的研发，是国内著名的滑移装载机、越野叉车、船舶、矿山机械、工程机械、军工制造行业整体解决方案的提供商，同时也是冶金、轻工、农业、园林、环保行业的服务商，公司生产的低速大扭矩内曲线径向柱塞式马达已经能够完全替代国外进口同类型的液压马达，公司在全国大中城市均设有办事处，能够随时满足客户的需求。

人才是公司最大的财富，恒通公司拥有一支高素质的技术研发队伍，他们由液压行业内的资深博士、硕士、高级工程师、工程师、助理工程师组成，同时也与国内众多高校建立了战略合作关系，在产品研发、技术支持和服务方面，具备强劲的技术实力和竞争优势。

一直以来，恒通公司拥有业界公认的出色管理和服务，公司已通过ISO9001质量体系认证、CCS船级社型式认证，完善的产品研发质量控制体系保证了公司服务市场、服务客户的能力。

秉承“客户第一”和“以人为本”的企业经营理念，恒通公司一直致力于建立有序、具有自我创新能力的持续发展管理体制和发展模式，立志成为中国领先的液压马达制造企业，成为高科技人才圆梦的家园。

About US

Ningbo Helm Tower Hydraulic Technology Co., Ltd (Previously named Ningbo Wenkui Hydraulic Manufacturing Co., Ltd.) is a subsidiary factory belongs to Wenkui Group Company. Which is a professional designer, manufacturer and exporter enterprise for HMS hydraulic motor, HMCR hydraulic motor, all kinds of hydraulic system and hydraulic spare parts. It obtained the Certificate of ISO9001:2008 and ISO14001:2004 Quality Management System, CCS certificate, SGS certificates, Coal mine work safety License.

Our company is located in Ningbo High Technology Zone, Holding \$5 million registered capital, covering area is over 10,000 square meters. In the spirit of “concentration, profession, innovation” Ningbo Helm Tower Hydraulic Technology Co., Ltd. is dedicated to the research and development of hydraulic system and hydraulic components for long time, our products are widely used in marine, coal mine machinery and project machinery, metallurgy, agriculture, garden, environment protection synchronously and so on. We possesses over 100 high quality technology staff who consist of senior doctor, master, senior engineer, and assistant engineer work in the hydraulic industry for many years which can provide powerful technology and competitive advantage in product R&D, technology support and service, all of those lead to our HMS hydraulic motor and HMCR hydraulic motor can completely replace same type hydraulic motor of the oversea famous brand. Due to the strong process capability, the quality of main parts processed by CNC can be guaranteed well. Not only the main parts of our products used high-grade alloy steel material like 20CrMnTi, 42CrMo, but also adopted advanced heat treatment technology including treatment of carbon penetration, quenching, salt bath and nitrogen treatment to promise the product quality, every single part is inspected and every product rigorously tested before it leaves our factory to ensure their unimpeachable standard and quality. After assembly, the whole machine will be tested on our test platform 100%.

The key parts such as screw cartridge valves, sealing, and screw bolts all were imported from USA, Germany, Italy, France and Taiwan. We are a group manufacturing company owned more than 10 subsidiary factories. Consisting of head office, Ningbo Wenkui I/E Co., Ningbo Wenkui Hydraulic Manufacturing Co., Ningbo Helm Tower Hydraulic Motor Co., it's located in Ningbo, and other subsidiary factories which specializing in manufacturing orbit motors and piston pumps located in Shandong and Jiangsu province. With strict quality management system, advanced produce technical procedure, fine engineering, technical personnel and excellent after service, keeps the products are exported to Europe countries, USA, America, Australia, Middle East, part of Asia and other countries /region which win extremely praise and favor by the customers.

With competitive price, excellent performance and prompt delivery, holding the principle of "Exist by Quality, Develop by Credit", we sincerely welcome you to establish co-operative relationships with us in the near future.



技术团队 TECHNICAL TEAM

恒通科技拥有一支超过百人的高素质技术研发队伍，他们由液压行业内的资深博士、硕士、高级工程师、工程师、助理工程师组成，同时也与国内众多高校（包括浙江大学液压研究的教授）建立了战略合作关系，在产品研发、技术支持和服务方面，具备强劲的技术实力和竞争优势。

公司产品拥有4项国家级专利发明，新产品和新技术在不断的研究中。

Helm Tower Hydraulic Technology Co., Ltd. possesses over 100 high quality technology staff who consist of senior doctor, master, senior engineer, engineer and assistant engineer in the hydraulic industry. As well as the strategic cooperation with domestic universities which have powerful technology and competitive advantage in product R&D, technology support and service.

We have 4 kinds of patented invention of hydraulic motor in China.



恒通的优势 STRENGTH OF HELM TOWER

一、质量体系 (Quality control)

公司通过ISO9001-2008质量体系认证；以及CCS质量管理体系认证，所有产品的质量标准按照国家标准：JB/T8728-1998 来执行。
The company has passed ISO9001-2008 and CCS quality standards.
The quality of the motors as per the Chinese quality standards: JB/T8728-1998
我们保证100%的产品质量，100%的成品马达测试：
Control & Keeping the quality---100%, 100% motors passed the Final testing
严格控制每个工艺流程的质量。
Control the quality of all of the Process flow

二、及时交货 (Soonest Delivery)

我们保证100%的交货及时率：
Keeping the delivery time of production in time 100%.

三、完善的售后体系 (After-Service)

提供技术支持；零配件库存；24小时信息反馈；完整的产品质保体系，
Supply the technical support; Keeping the spare parts in bulk;
Respond the quality information within 24 hours;
Perfectly Guarantee Period.





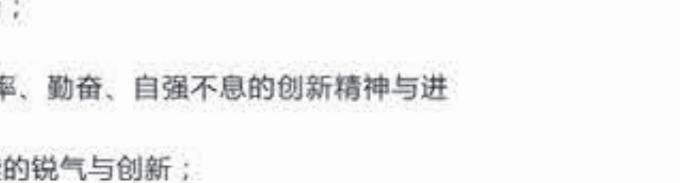
恒通核心价值观 HELM TOWER CORE VALUES

敬重天道、人伦、规律是恒通存续与发展的道德准绳。

- 1.恒通遵循法规、商业道德，致力成为优秀的市场竞争主体；
- 2.恒通敬重规律，积极创新，致力成为行业发展领航者和促进者；
- 3.恒通敬重自然，保护环境、节约能源，致力成为优秀环保企业；
- 4.恒通敬重客户，提供优质可靠产品与服务，致力成为优秀供应商；
- 5.恒通敬重员工，促进员工发展，倡导优秀职业道德，致力成为优秀雇主；
- 6.恒通敬重社区，承担社会责任，致力成为优秀企业公民；
- 7.恒通敬重伙伴，平等合作，谋求互利共赢，致力成为优秀合作者；

To respect nature, ethics and law is the moral principle of Helm Tower's existence and development

1. Abide by law and business ethics, Helm Tower is dedicated to become an excellent major competitor of the market.
2. To respect the law and innovate actively, Helm tower is dedicated to be the navigator and promoter of the industry.
3. To adore nature, protect the environment and save energy, Helm Tower is dedicated to be an excellent environment protecting enterprise.
4. To value our customer, provide reliable products and service, Helm tower is dedicated to be a superb supplier.
5. To respect our employees, facilitate their development and advocate noble work ethics, Helm Tower is dedicated to be an excellent employer.
6. To respect community and should social responsibility, Helm Tower is dedicated to be a outstanding civil enterprise.
7. To respect friends, seek equal cooperation and mutual benefit, Helm Tower is dedicated to be a reliable partner.



恒通的企业文化

核心价值观：

客户第一，市场导向；以人为本，团队合作；胸怀远大，持之以恒；

恒通的追求：

恒通要成为全球领先的液压马达制造商与服务商；

恒通要成为中国液压人才圆梦的家园；

恒通要有强烈的使命感和责任感-----信誉、效率、勤奋、自强不息的创新精神与进取精神、文明和社会责任感；

恒通要有业界领袖的雍容和稳健，要有初生牛犊的锐气与创新；

恒通的核心竞争力：

长期关注行业与传动技术发展积累的专业能力和创新能力；

长期坚决客户第一积累的客户满意度和品牌形象；

持续优化、高效的管理机制和流程体系；

团队合作的、训练有素的专业队伍

Helm Tower Company Culture

Key Value:

Customer first, Market-driven, People oriented, Teams cooperation, Long-term vision, Persistence

Pursuit:

To be the global leading hydraulic motor manufacturer and service provider.

To be the homeland where the Chinese hydraulic talent can realize their dreams.

Owing the strong sense of mission and responsibility----prestige, efficiency, diligence, ceaseless, self-improvement innovation and enterprising spirit, civilization and society responsibility.

To be the leader of the hydraulic industry who is graceful and moderate and also full of vigor and innovation as the maverick.

Key competitive power:

The professional competence and innovative ability from the long term accumulation by focusing on the transmission and the industry development.

Always insisting on the satisfaction of the customers and the brand image.

Continually optimizing the high efficient management and the processing system

Team-work and experienced professional staff.

In addition, add: organization frame, domestic distribution map, company culture, awards and honour.

液压系统及元器件大型生产基地

MANUFACTURING BASE OF HYDRAULIC SYSTEM AND COMPONENTS



- 1
- 2
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- 5
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- 7
- 8

1. HMS马达测试台 HMS Motor Test Board
2. 内曲线加工中心 (立式数控曲线磨床MK8580)
Incurve Machining Center(Vertical Numerical Control Curve Grinding Machine)
3. 转子槽磨床数控 (强力形成MKL7132*8.5)
Rotor Slot Grinding Machine(Numerical Control High Power Grinding Form Machine)
4. 三维测量仪 Three-dimensional Measuring Instrument
5. 加工中心 Machining Center
6. 叶片马达测试台 Vane Motor Test Tower
7. 装配车间 Assembly Workshop
8. 加工车间 Process Workshop



主要产品(Main Products) :

叶片马达、HMS马达、HMCR马达 及其零配件。

Vane Motor, HMS series Motor, HMCR series Motor and Spare Parts and so on...

HMS系列和HMCR系列的零配件能100%替代进口马达零配件，整机马达与进口马达性能接近。

The spare parts of our HMS and HMCR series motors can completely replace the imported motor parts. Meanwhile, our motor's performance is close to the imported motors' .

HMS02/HMS05/HMS08/HMS11/HMS18/HMCR03 已经通过国家机械测试中心的测试。

HMS02/HMS05/HMS08/HMS11/HMS18/HMCR03 series Motors have passed the quality tested by Chinese machinery testing Centre.

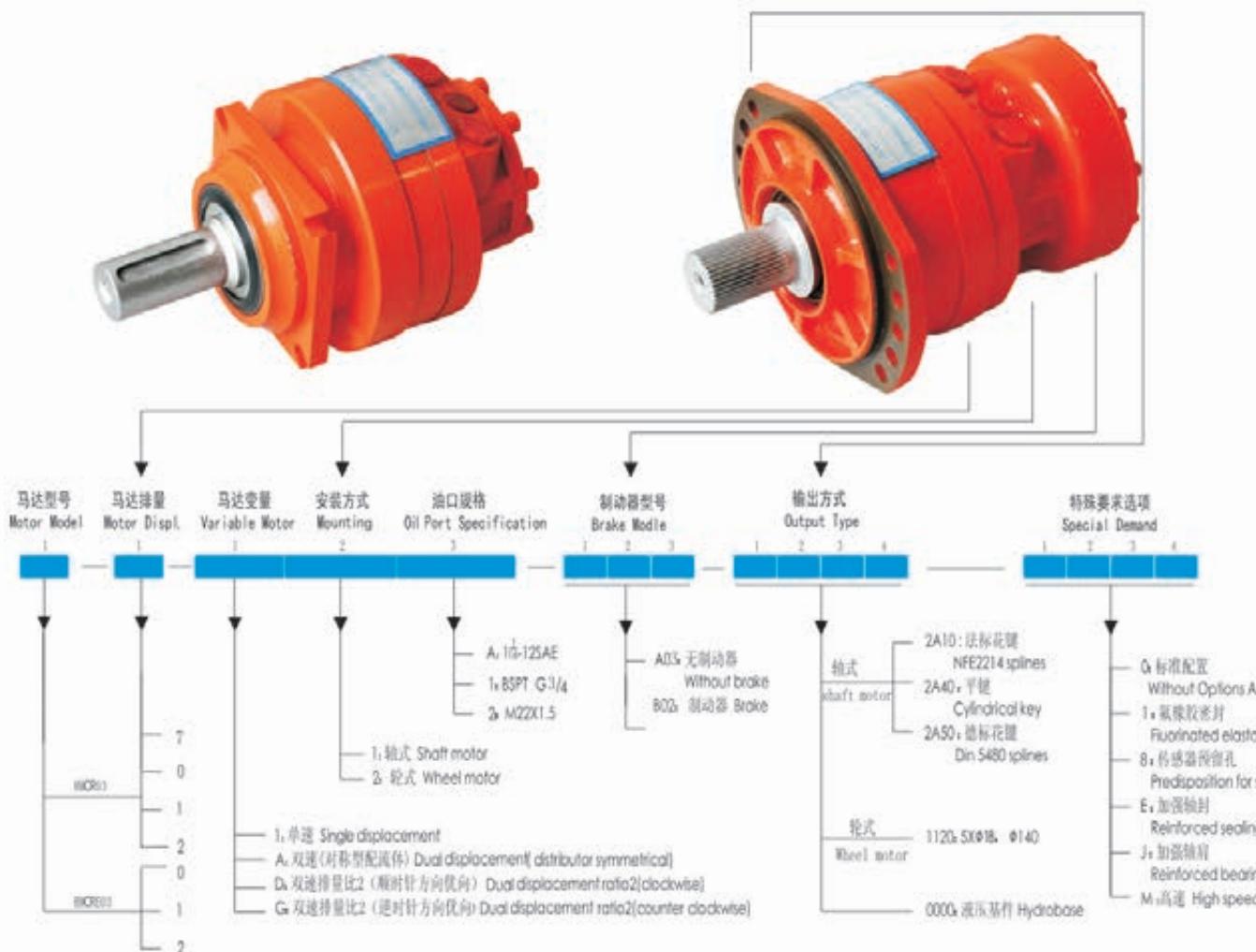
产品应用领域 (Field of application of Helm Tower products)

公司产品广泛应用于船舶、矿山机械、工程机械、农业机械等、森林机械等。

The Helm Tower Motors using for Marine, Coal mine machinery, Construction machinery, Agricultural machinery, Forestry machinery and so on .

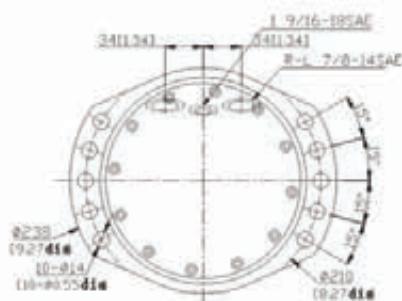
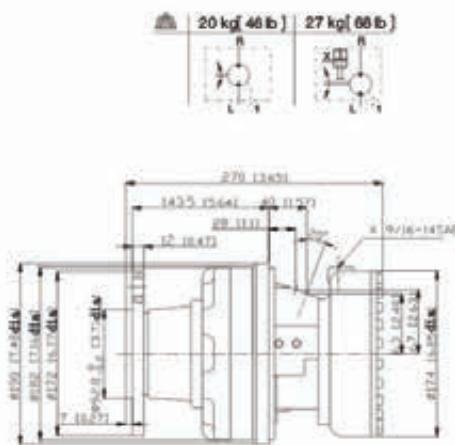
HMCR03/HMCRE03系列液压马达

HMCR03/HMCRE03 series hydraulic motor



HMCR03/HMCRE03连接尺寸图

HMCR03/HMCRE03 Connection Dimension



HMCR03/HMCRE03系列液压马达应用

HMCR03/HMCRE03 series hydraulic motor application

矿山机械 (Mining Machinery) : 采煤机 (Coal Winning Machine) , 挖进机 (Road Header) , 刮板机 (Scraper) , 重载搬运车 (Heavy Duty Handing Car) , 煤矿钻机 (Coal Mine Drill)

工程机械 (Construction Machinery) : 滑移装载机 (Skid Steer Loader) , 潜孔钻机 (Down-The-Hole Drill) , 旋挖钻机 (Rotary Drill) , 小型挖装机 (Mini And Midi Excavator) , 搅拌车 (Mixer Truck) , 切削机 (Cutting Machine)

船舶机械 (甲板机械) (Marine Machinery) : 港口龙门吊 (Gantry Crane)



潜孔钻机

Down-The-Hole Drill



港口龙门吊

Gantry Crane

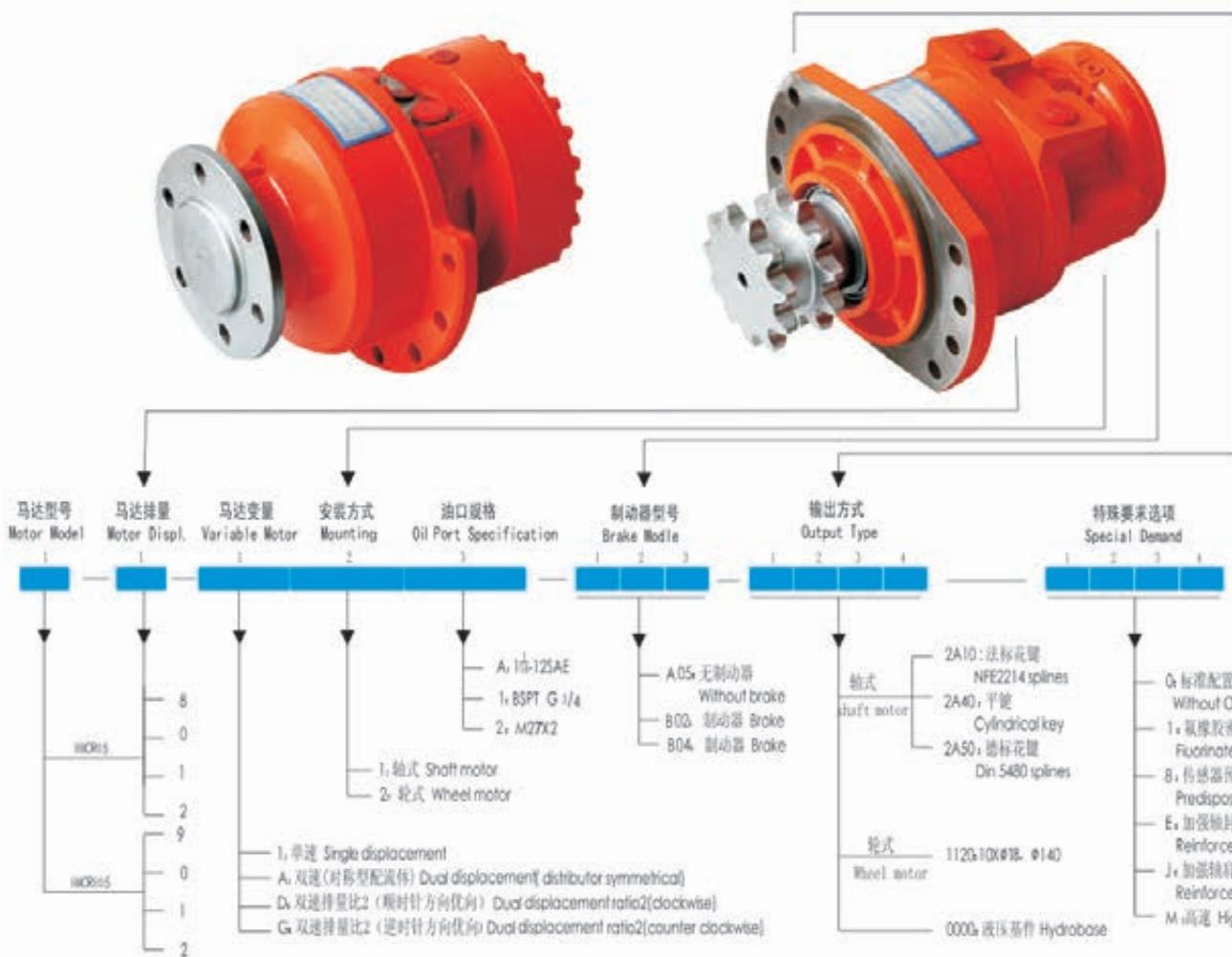
HMCR03/HMCRE03系列排量图

HMCR03/HMCRE03 series displacement diagram

型号 Code	HMCR03				HMCRE03		
	7	0	1	2	0	1	2
排量分组 Displacement Group							
排量 Displacement (ml/r)	160	225	255	280	325	365	400
压差10MPa时理论扭矩 Theoretical torque at 10MPa (N.m)	254	357	405	445	516	580	636
额定转速 Rated speed (r/min)	250	160	160	125	160	125	125
额定压力 Rated pressure (Mpa)	25	25	25	25	25	25	25
额定扭矩 Rated torque (N.m)	530	740	830	920	1060	1200	1310
最大压力 Max. pressure (Mpa)	31.5	31.5	31.5	31.5	31.5	31.5	31.5
最大扭矩 Max. torque (N.m)	650	910	1030	1130	1310	1470	1620
转速范围 Speed range (r/min)	0-670	0-475	0-420	0-385	0-330	0-295	0-270
最大功率 Max. power (kW)	18	18	18	18	22	22	22

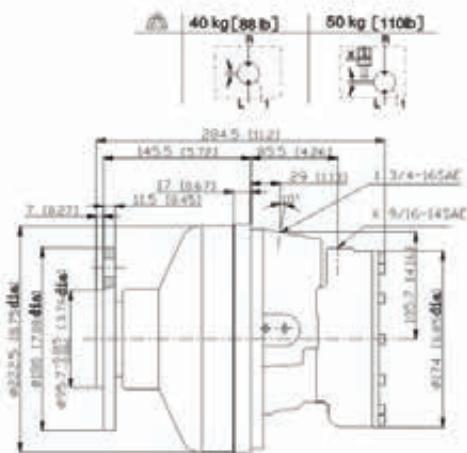
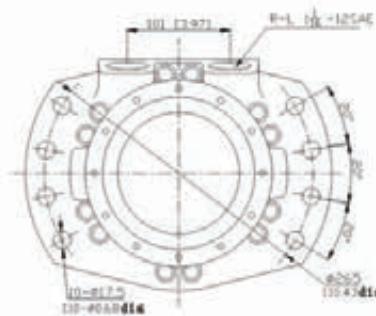
HMCRO5/HMCRE05系列液压马达

HMCR05/HMCRE05 series hydraulic motor



HMCRO5/HMCRE05连接尺寸图

HMCR05/HMCRE05 Connection Dimension



HMCR05/HMCRE05系列液压马达应用

HMCR05/HMCRE05 series hydraulic motor application

矿山机械 (Mining Machinery) : 采煤机 (Coal Winning Machine) , 挖进机 (Road Header) ,

重载搬运车 (Heavy Duty Handling Car) , 煤矿钻机 (Coal Mine Drill)

工程机械 (Construction Machinery) : 滑移装载机 (Skid Steer Loader) , 破碎机 (Break Machine) ,



滑移装载机
Skid Steer Loader



煤矿钻机
Coal Mine Drill

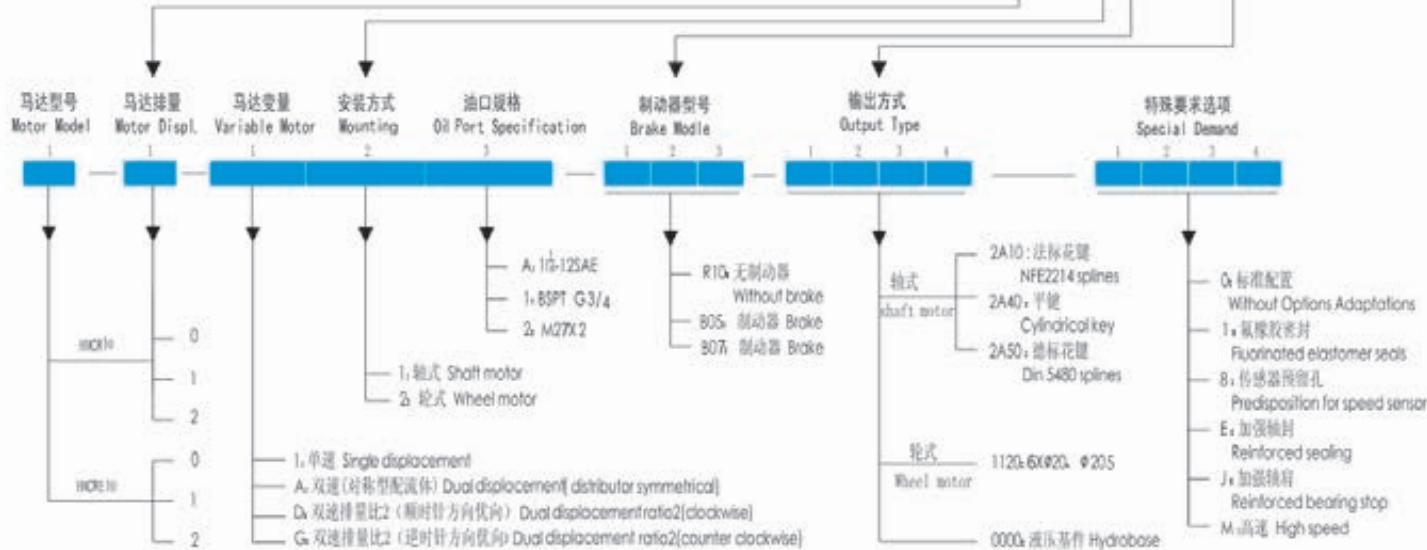
HMCR05/HMCRE05系列排量图

HMCR05/HMCRE05 series displacement diagram

型号 Code	HMCR05				HMCRE05			
	8	0	1	2	9	0	1	2
排量 Displacement (ml/r)	380	470	520	565	620	680	750	820
压差10MPa时理论扭矩 Theoretical torque at 10MPa(N.m)	604	747	826	890	985	1080	1192	1302
额定转速 Rated speed (r/min)	160	125	125	125	125	100	100	100
额定压力 Rated pressure (Mpa)	25	25	25	25	25	25	25	25
额定扭矩 Rated torque (N.m)	1240	1540	1700	1850	2030	2230	2460	2690
最大压力 Max.pressure (Mpa)	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
最大扭矩 Max. torque (N.m)	1540	1900	2100	2290	2510	2750	3040	3320
转速范围 Speed range (r/min)	0-475	0-385	0-350	0-320	0-290	0-265	0-240	0-220
最大功率 Max. power (kW)	29	29	29	29	35	35	35	35

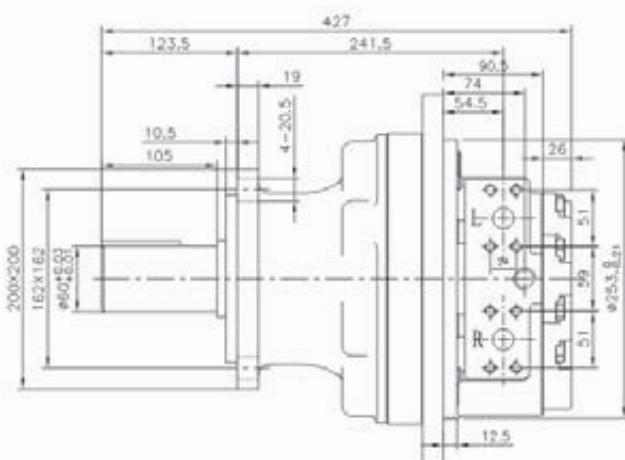
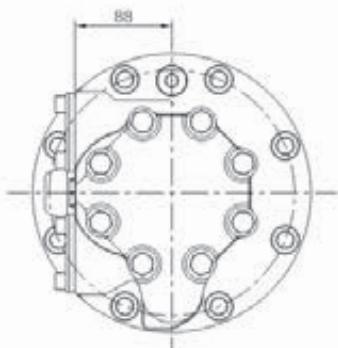
HMCR10/HMCRE10系列液压马达

HMCR10/HMCRE10 series hydraulic motor



HMCR10/HMCRE10连接尺寸图

HMCR10/HMCRE10 Connection Dimension



HMCR10/HMCRE10系列液压马达应用

HMCR10/HMCRE10 series hydraulic motor application

矿山机械 (Mining Machinery) : 采煤机 (Coal Winning Machine), 挖进机 (Road Header),

重载搬运车 (Heavy Duty Handling Car), 煤矿钻机 (Coal Mine Drill)

工程机械 (Construction Machinery) : 滑移装载机 (Skid Steer Loader), 破碎机 (Break Machine),



定量配料机
Dosing Machine



小型挖掘机
Mini Excavator

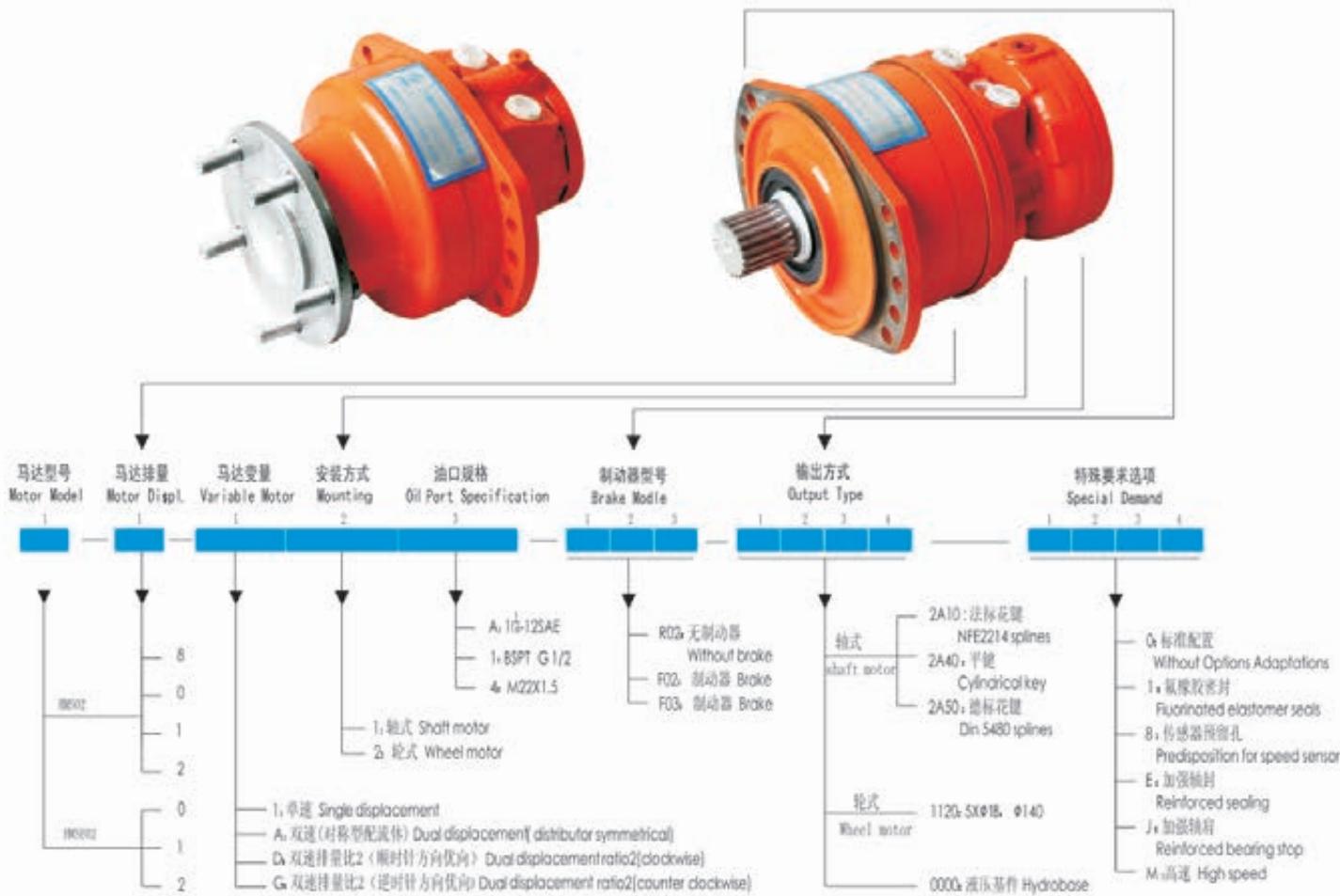
HMCR10/HMCRE10系列排量图

HMCR10/HMCRE10 series displacement diagram

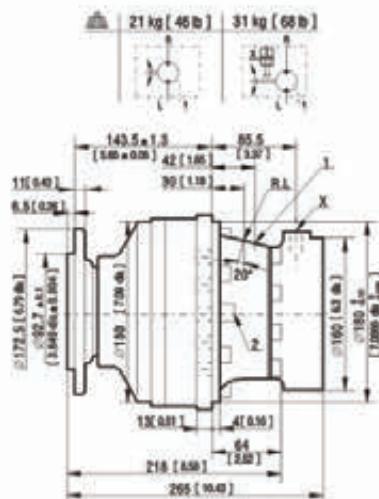
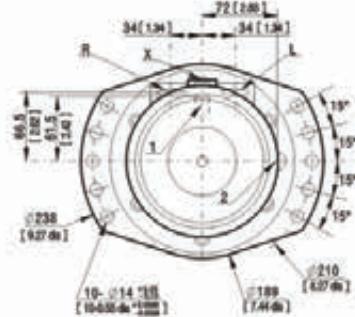
型号 Code	HMCR10			HMCRE10		
	0	1	2	0	1	2
排量 Displacement (ml/r)	780	860	940	1120	1250	1340
压差10MPa时理论扭矩 Theoretical torque at 10MPa (N.m)	1240	1367	1494	1780	1987	2130
额定转速 Rated speed (r/min)	125	100	100	100	80	80
额定压力 Rated pressure (Mpa)	25	25	25	25	25	25
额定扭矩 Rated torque (N.m)	2560	2820	3090	3680	4110	4400
最大压力 Max.pressure (Mpa)	31.5	31.5	31.5	31.5	31.5	31.5
最大扭矩 Max. torque (N.m)	3160	3480	3810	4540	5060	5430
转速范围 Speed range (r/min)	0-215	0-195	0-180	0-150	0-135	0-125
最大功率 Max. power (kW)	44	44	44	50	50	50

HMS02/HMSE02系列液压马达

HMS02/HMSE02 series hydraulic motor



HMS02/HMSE02连接尺寸图





HMS02/HMSE02系列液压马达应用

HMS02/HMSE02 series hydraulic motor application

矿山机械 (Mining Machinery) : 煤矿钻机 (Coal Mine Drill), 重载搬运车 (Heavy Duty Handling Car)

工程机械 (Construction Machinery) : 道路清扫机 (Scavenging Machine), 飞机牵引机 (轮式) (Aircraft Tractor), 运粮车/提梁车 (Beam Carrier/Hoisting Machine)

农用机械 (Farming Machinery) : 小型农用车 (Mini Farming Vehicle), 开沟机 (Ditcher)



道路清扫机
Scavenging Machine



小型农用车
Mini Farming Vehicle

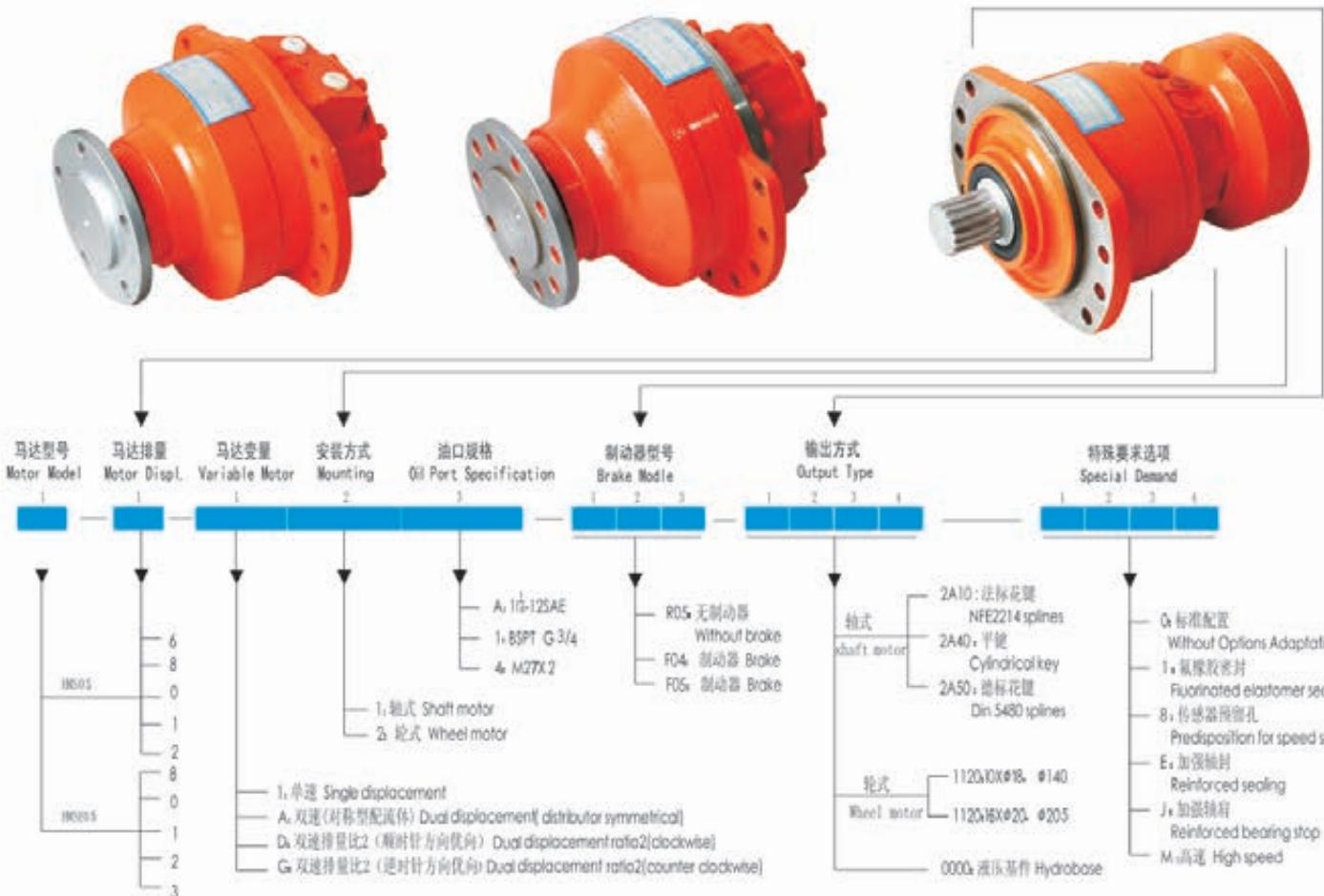
HMS02/HMSE02系列排量图

HMS02/HMSE02 series displacement diagram

型号 Code	HMS02				HMSE02		
	8	0	1	2	0	1	2
排量 Displacement (ml/r)	172	213	235	255	332	364	398
压差10MPa时理论扭矩 Theoretical torque at 10MPa (N.m)	273	339	374	405	528	579	633
额定转速 Rated speed (r/min)	200	200	160	160	160	125	100
额定压力 Rated pressure (Mpa)	25	25	25	25	25	25	25
额定扭矩 Rated torque (N.m)	550	700	750	800	1100	1150	1300
最大压力 Max.pressure (Mpa)	31.5	31.5	31.5	31.5	31.5	31.5	31.5
最大扭矩 Max. torque (N.m)	650	850	950	1000	1300	1450	1600
转速范围 Speed range (r/min)	0-390	0-310	0-285	0-260	0-200	0-182	0-165
最大功率 Max. power (kW)	标准排量18kW(HMSE02是22kW), 变排量优先旋向12kW(HMSE02是16.5kW), 变排量非优先旋向9kW(HMSE02是11kW), Standard displacement is 18kW (HMSE02 22kW), variable displacement priority rotation 12kW (HMSE02 16.5kW), no priority is 9kW (HMSE02 11kW).						

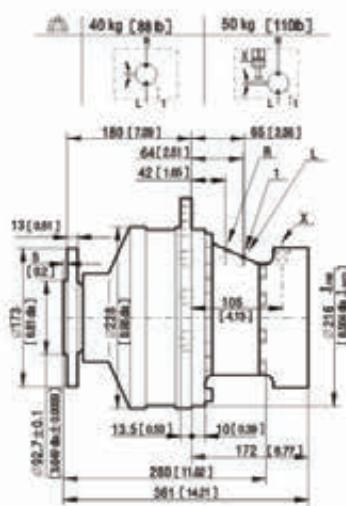
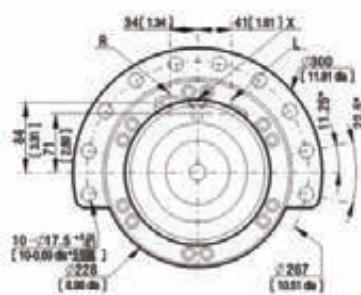
HMS05/HMSE05系列液压马达

HMS05/HMSE05 series hydraulic motor



HMS05/HMSE05连接尺寸图

HMS05/HMSE05 Connection Dimension



HMS05/HMSE05系列液压马达应用

HMS05/HMSE05 series hydraulic motor application

工程机械 (Construction Machinery) : 扒渣机90以上 (Cinder) , 滑移装载机 (Skid Steer Loader) , 防爆叉车 (Explosion-Proof Forklift) , 越野叉车 (Forklift) , 运梁机/提梁车 (Beam Carrier/Hoisting Machine) ,

农用机械 (Farming Machinery) : 小型农用车 (Mini Farming Vehicle) ,

玉米收割机 (联合收割机) (Combine Harvester And Cotton Picker) ,

矿山机械 (Mining Machinery) : 630以上刮板机 (Scraper) , 挖进机 (Road Header) ,

重载搬运车 (Heavy Duty Handling Car) , 煤矿钻机 (Coal Mine Drill) ,

特种车辆 (Special Vehicle) : 消防车 (Fire Engine) ,



越野叉车

Forklift



消防车

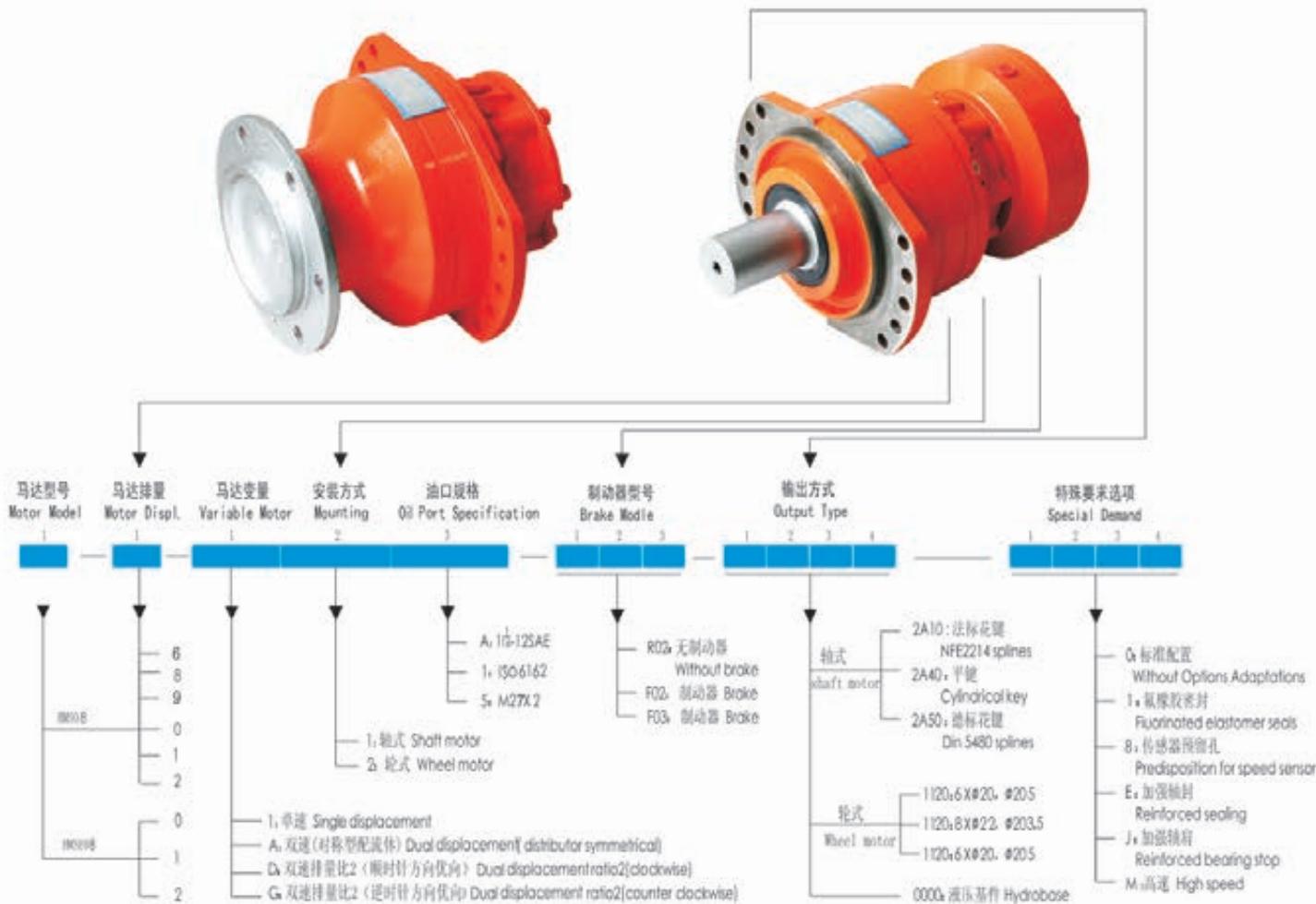
Fire Engine

HMS05/HMSE05系列排量图

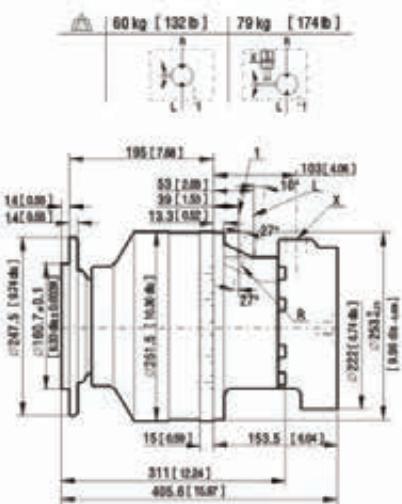
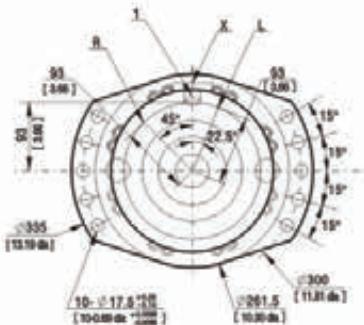
HMS05/HMSE05 series displacement diagram

型号 Code	HMS05					HMSE05				
	6	8	0	1	2	8	0	1	2	3
排量 Displacement (ml/r)	260	376	468	514	560	503	625	688	750	820
压差10MPa时理论扭矩 Theoretical torque at 10MPa (N.m)	413	598	744	817	890	800	994	1094	1193	1304
额定转速 Rated speed (r/min)	160	160	125	125	125	100	100	100	80	80
额定压力 Rated pressure (Mpa)	25	25	25	25	25	25	25	25	25	25
额定扭矩 Rated torque (N.m)	850	1200	1500	1650	1800	1650	2050	2250	2450	2650
最大压力 Max. pressure (Mpa)	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
最大扭矩 Max. torque (N.m)	1050	1500	1850	2050	2250	2030	2500	2750	3000	3300
转速范围 Speed range (r/min)	0-265	0-250	0-240	0-220	0-200	0-200	0-190	0-175	0-160	0-140
最大功率 Max. power (kW)	标准排量29kW, 变排量优先转向19kW, 变排量非优先转向15kW. Standard displacement is 29kW, variable displacement priority rotation 19kW, no priority is 15kW.									

HMS08/HMSE08系列液压马达



HMS08/HMSE08连接尺寸图



HMS08/HMSE08系列液压马达应用

HMS08/HMSE08 series hydraulic motor application

工程机械 (Construction Machinery) : 压路机 (MK系列) (Road Roller), 扒渣机 (Cinder) 运粮车/提梁车 (Beam Carrier/Hoisting Machine), 纺割机 (Milling Machine), 挖掘装载机(Backhoe Loader)
农用机械 (Farming Machinery) : 喷药机 (Spray Machine)
矿山机械 (Mining Machinery) : 提进机 (Road Header), 刮板机 (Scraper), 重载搬运车 (Heavy Duty Handling Car), 挖掘机 (Excavator), 煤矿钻机 (Coal Mine Drill)
特种车辆 (Special Vehicles) : 消防车 (Fire Engine)
林业机械 (Forest Machinery) : 伐木机 Stumper, 森林装载机 Loader, 林业收割机 Forest Felling Machine



农用收割机
Combine Harvester Machine



林业收割机
Forest Felling Machine

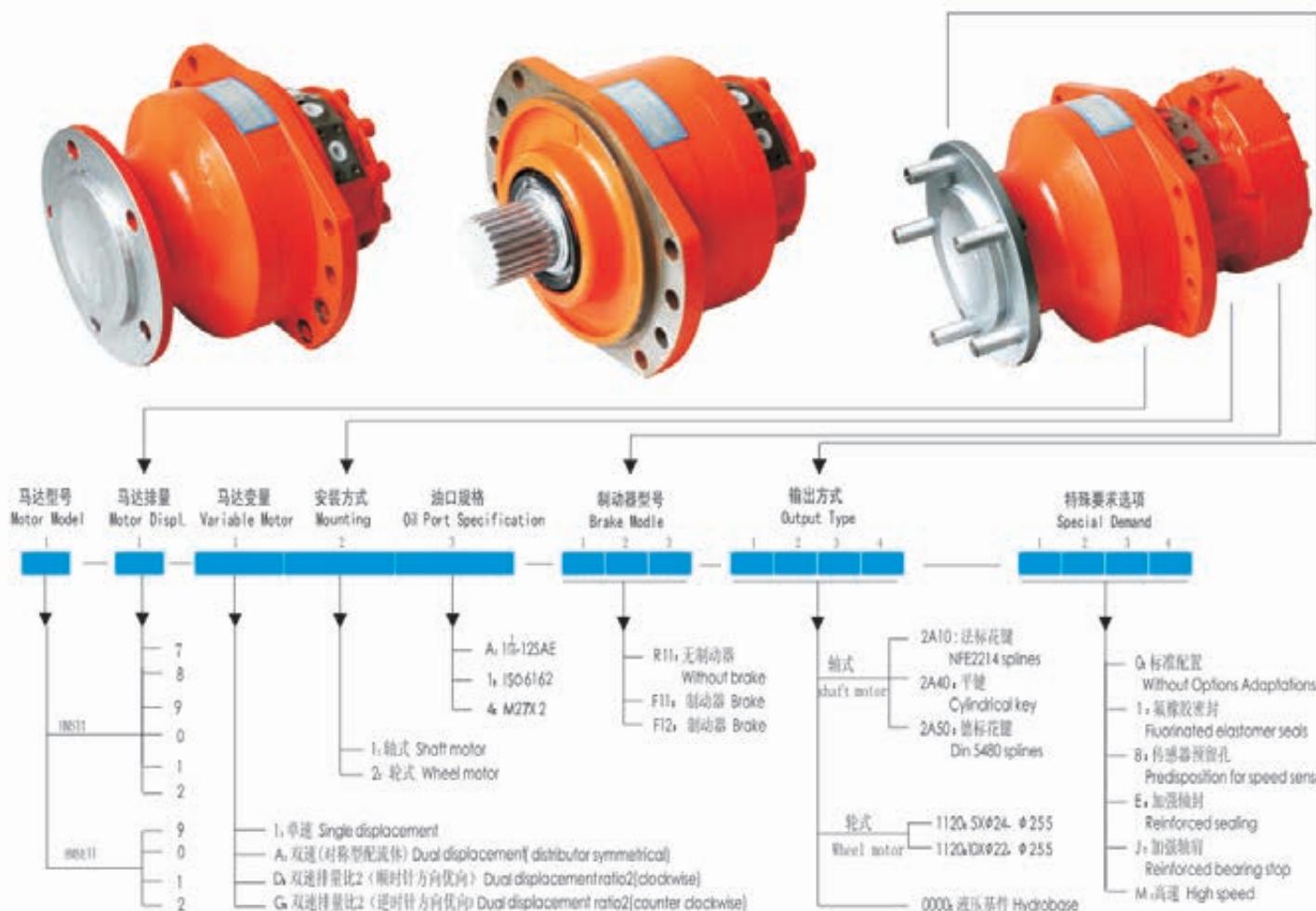
HMS08/HMSE08系列排量图

HMS08/HMSE08 series displacement diagram

型号 Code	HMS8						HMSE8		
	6	8	9	0	1	2	0	1	2
排量 Displacement (ml/r)	467	627	702	780	857	934	1043	1146	1248
压差10MPa时理论扭矩 Theoretical torque at 10MPa (N.m)	743	997	1116	1240	1363	1485	1658	1822	1984
额定转速 Rated speed (r/min)	160	160	125	125	100	100	80	80	80
额定压力 Rated pressure (Mpa)	25	25	25	25	25	25	25	25	25
额定扭矩 Rated torque (N.m)	1530	2050	2300	2550	2800	3050	3400	3750	4100
最大压力 Max.pressure (Mpa)	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
最大扭矩 Max. torque (N.m)	1890	2500	2800	3150	3450	3750	4200	4600	5050
转速范围 Speed range (r/min)	0-210	0-210	0-185	0-170	0-155	0-140	0-130	0-110	0-105
最大功率 Max. power (kW)	标准排量41kW, 变排量优先旋向27kW, 变排量非优先旋向21kW Standard displacement is 41kW, variable displacement priority rotation 27kW, no priority is 21kW								

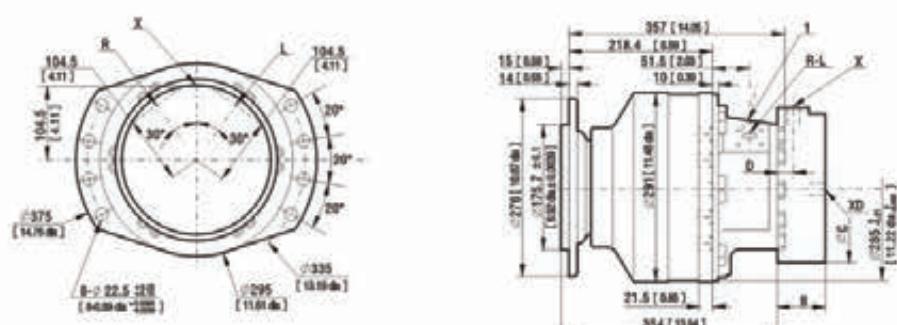
HMS11/HMSE11系列液压马达

HMS11/HMSE11 series hydraulic motor



HMS11/HMSE11连接尺寸图

HMS11/HMSE11 Connection Dimension



HMS11/HMSE11系列液压马达应用

HMS11/HMSE11 series hydraulic motor application

工程机械 (Construction Machinery) : 运梁机/提梁车 (Beam Carrier/Hoisting Machine),

固定式搅拌站 (Cement Concrete Mixing Station), 扒渣机120以上机型 (Cinder), 皮带输送机 (Belt Conveyor)

农用机械 (Farming Machinery) : 喷药机 (Spray Machine)

矿山机械 (Mining Machinery) : 小型掘进机(Mini Road Header), 1200以上刮板机 (Scraper), 重载搬运车 (Heavy Duty Handling Car), 煤矿钻机 (Coal Mine Drill)

船舶机械 (Marine Machinery) : 船用甲板吊机 (Marine Deck Crane)



喷药机
Spray Machine



扒渣机
Backhoe Loader

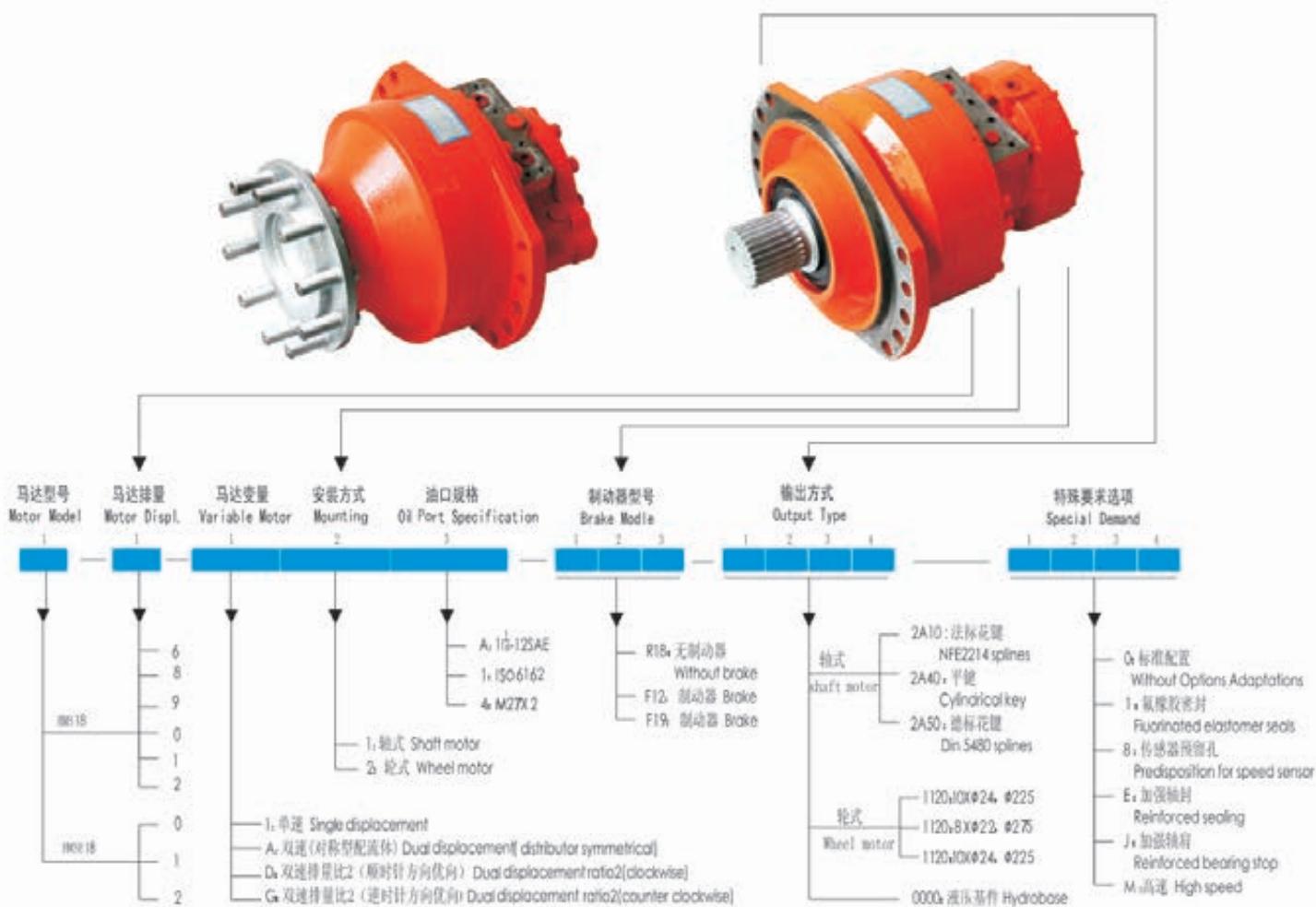
HMS11/HMSE11系列排量图

HMS11/HMSE11 series displacement diagram

型号 Code	HM511						HMSE11			
	7	8	9	0	1	2	9	0	1	2
排量 Displacement (ml/r)	730	837	943	1048	1147	1259	1263	1404	1536	1687
压差10MPa时理论扭矩 Theoretical torque at 10MPa (N.m)	1161	1331	1499	1666	1824	2002	2008	2232	2442	2682
额定转速 Rated speed (r/min)	125	125	125	100	100	80	80	80	63	63
额定压力 Rated pressure (Mpa)	25	25	25	25	25	25	25	25	25	25
额定扭矩 Rated torque (N.m)	2400	2750	3100	3400	3750	4100	4150	4600	5050	5500
最大压力 Max.pressure (Mpa)	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
最大扭矩 Max. torque (N.m)	2950	3350	3800	4200	4650	5100	5100	5650	6200	6800
转速范围 Speed range (r/min)	0-200	0-195	0-190	0-185	0-180	0-170	0-170	0-155	0-140	0-130
最大功率 Max. power (kW)	标准排量50kW, 变排量优先旋转33kW, 非变排量优先旋转25kW Standard displacement is 50kW, variable displacement priority rotation 33kW, no priority is 25kW									

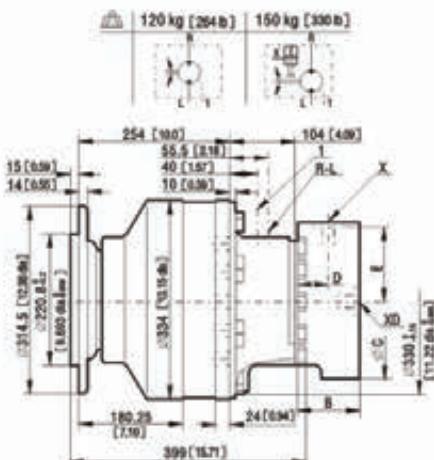
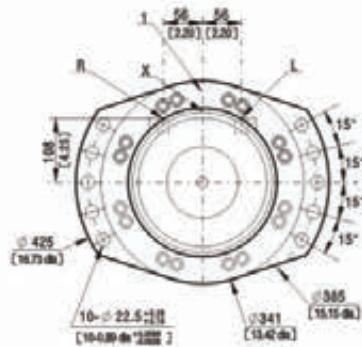
HMS18/HMSE18系列液压马达

HMS18/HMSE18 series hydraulic motor



HMS18/HMSE18连接尺寸图

HMS18/HMSE18 Connection Dimension



HMS18/HMSE18系列液压马达应用

HMS18/HMSE18 series hydraulic motor application

工程机械 (Construction Machinery) : 扒渣机220以上机型 (挖掘装载机) (Backhoe Loader).

防爆叉车 (Explosion-Proof Forklift), 越野叉车 (Forklift)

矿山机械 (Mining Machinery) : 小型掘进机 (Mini Road Header), 重载搬运车 (Heavy Duty Handling Car),

煤矿钻机 (Coal Mine Drill)

船舶机械 (甲板机械) (Marine Machinery) : 锚绞机 (Windlass), 克令吊 (Crane)



矿山机械

Mining Machinery



压路机

Road Roller

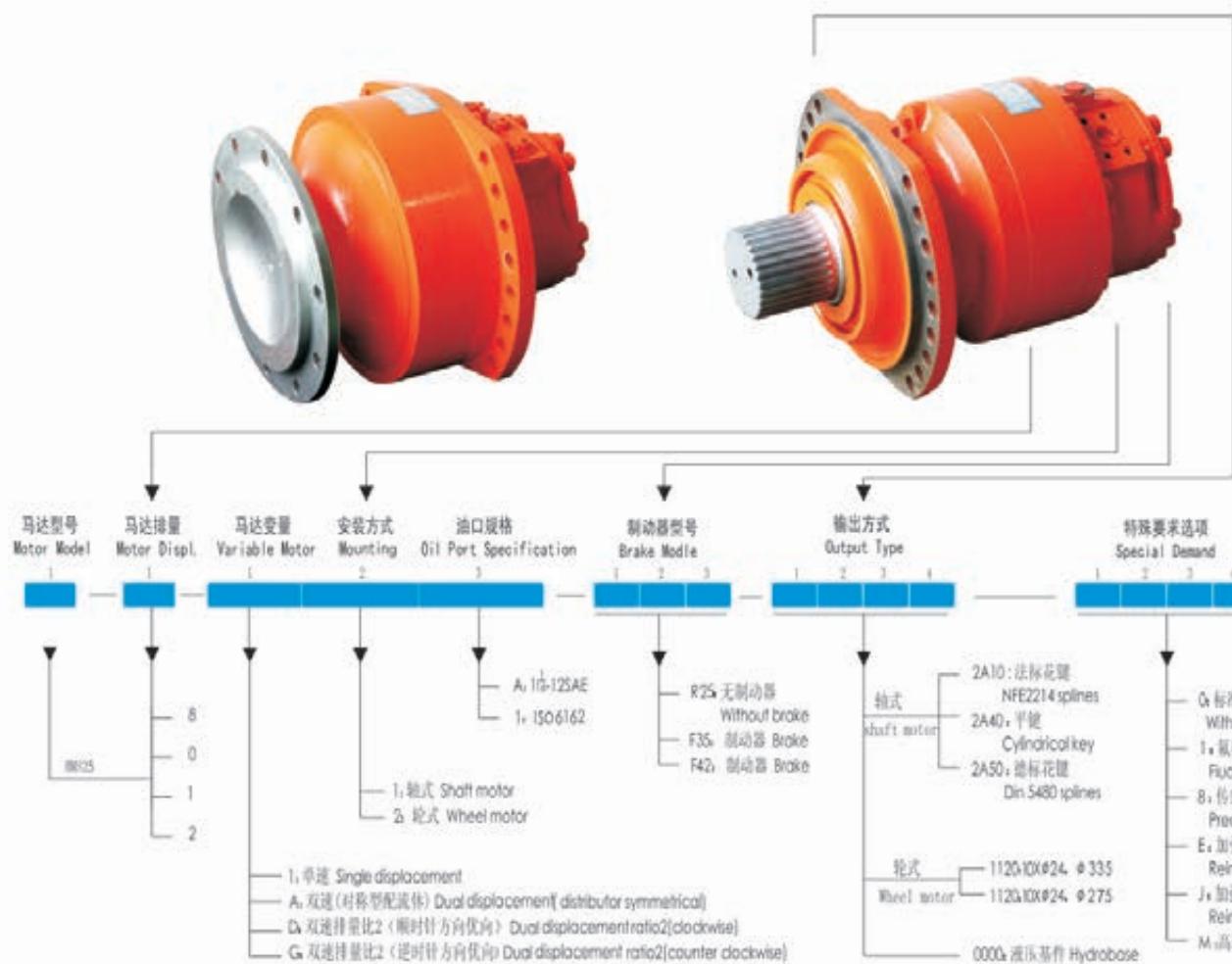
HMS18/HMSE18系列排量图

HMS18/HMSE18 series displacement diagram

型号 Code	HMS18						HMSE18		
	6	8	9	0	1	2	0	1	2
排量 Displacement (ml/r)	1091	1395	1571	1747	1911	2099	2340	2560	2812
压差10MPa时理论扭矩 Theoretical torque at 10MPa (N.m)	1735	2218	2498	2778	3038	3337	3721	4070	4471
额定转速 Rated speed (r/min)	100	100	100	80	80	80	63	63	50
额定压力 Rated pressure (Mpa)	25	25	25	25	25	25	25	25	25
额定扭矩 Rated torque (N.m)	3580	4550	5150	5700	6250	6900	7650	8400	9200
最大压力 Max.pressure (Mpa)	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
最大扭矩 Max. torque (N.m)	4420	5650	6350	7050	7700	8500	9450	10350	11400
转速范围 Speed range (r/min)	0-170	0-155	0-140	0-125	0-115	0-100	0-90	0-85	0-75
最大功率 Max. power (kW)	标准排量70kW, 变排量优先级向47kW, 变排量非优先级向35kW Standard displacement is 70kW, variable displacement priority rotation 47kW, no priority is 35kW								

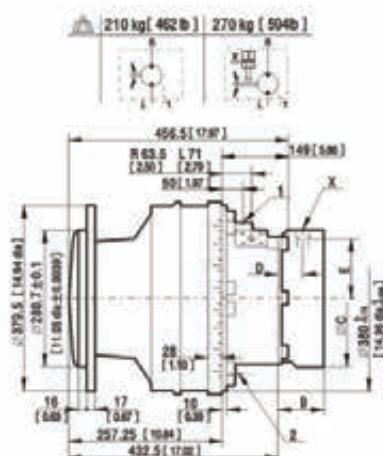
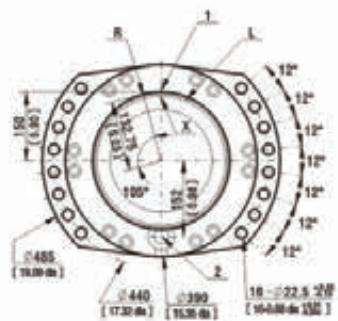
HMS25系列液压马达

HMS25 series hydraulic motor



HMS25连接尺寸图

HMS25 Connection Dimension



HMS25系列液压马达应用

HMS25 series hydraulic motor application

工程机械 (Construction Machinery) : 水平定向钻 Horizontal Directional Drill (HDD), 锚固钻机 (Jumbolter), 10T压路机 (MK系列) 10T Road Roller (MK Series).

锻造操作机 (Forging Manipulators)

船舶机械 (甲板机械) (Marine Machinery) : 锚机 (Windlass), 克令吊 (Crane),

矿山机械 (Mining Machinery) : 岩掘机 (Road Header), 重载搬运车 (Heavy Duty Handling Car),

煤矿钻机 (Coal Mine Drill)



水平定向钻

Horizontal Directional Drill



锚固钻机

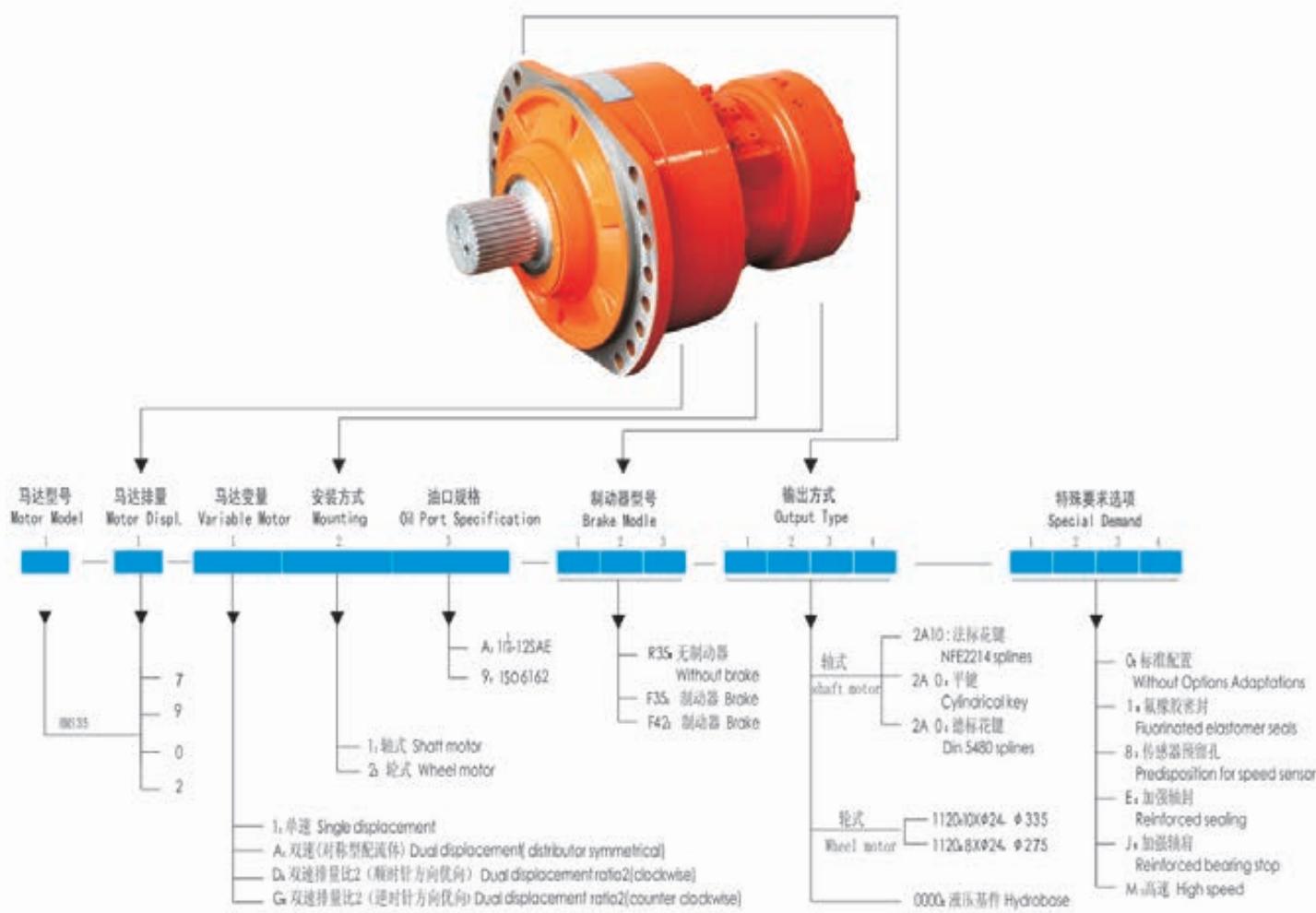
Jumbolter

HMS25系列排量图

HMS25 series displacement diagram

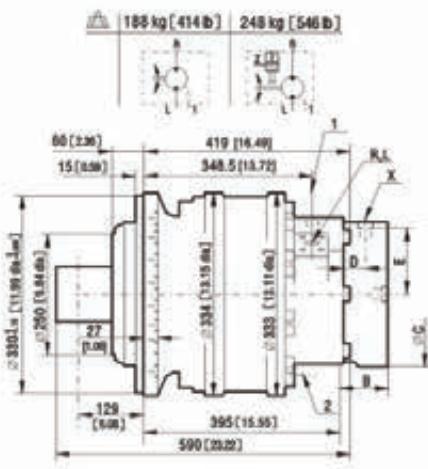
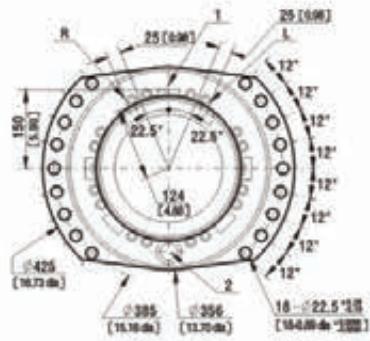
排量分组 Displacement Group	8	0	1	2
排量 Displacement (ml/r)	2004	2498	2752	3006
压差10MPa时理论扭矩 Theoretical torque at 10MPa (N.m)	3186	3972	4376	4780
额定转速 Rated speed (r/min)	100	80	63	63
额定压力 Rated pressure (Mpa)	25	25	25	25
额定扭矩 Rated torque (N.m)	6550	8200	9000	9850
最大压力 Max.pressure (Mpa)	31.5	31.5	31.5	31.5
最大扭矩 Max. torque (N.m)	8100	10100	11150	12150
转速范围 Speed range (r/min)	0-145	0-137	0-125	0-115
最大功率 Max. power (kW)	标准排量90kW, 变排量优先级向60kW, 变排量非优先级向45kW Standard displacement is 90kW, variable displacement priority rotation 60kW, no priority is 45kW			

HMS35系列液压马达
HMS35 series hydraulic motor



HMS35连接尺寸图

HMS35 Connection Dimension



HMS35系列液压马达应用

HMS35 series hydraulic motor application

工程机械 (Construction Machinery) : 水平钻机 Horizontal Directional Drill (HDD), 固锚钻机(Jumbolter), 16T压路机 (MK系列) 16TRoad Roller (MK Series).

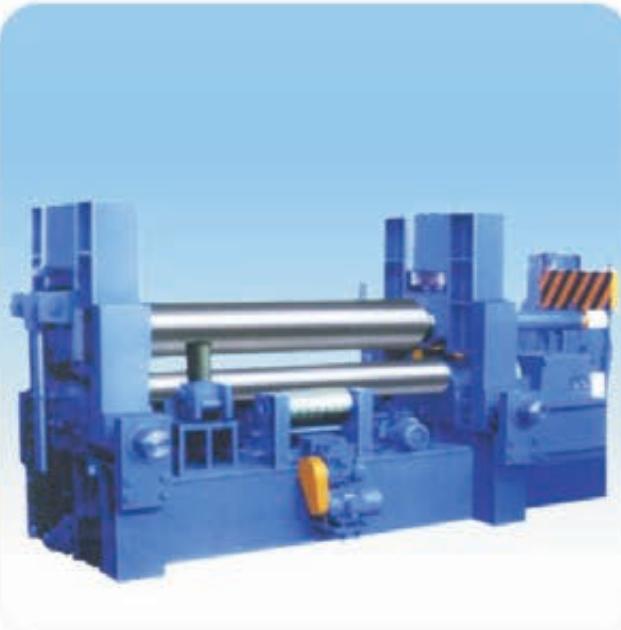
锻造操作机 (Forging Manipulator), 卷板机 (Rolling Machine)

船舶机械 (甲板机械) (Marine Machinery) : 锚机 (Windlass), 克令吊(Crane).

矿山机械 (Mining Machinery) : 挖进机 (Road Header), 重载搬运车 (Heavy Duty Handling Car),

煤矿钻机 (Coal Mine Drill)

特种车辆 (Special Vehicle) : (Special Vehicle)



卷板机
Rolling Machine



蔬菜收割机
Greenbeans And Pea Harvesting Machines

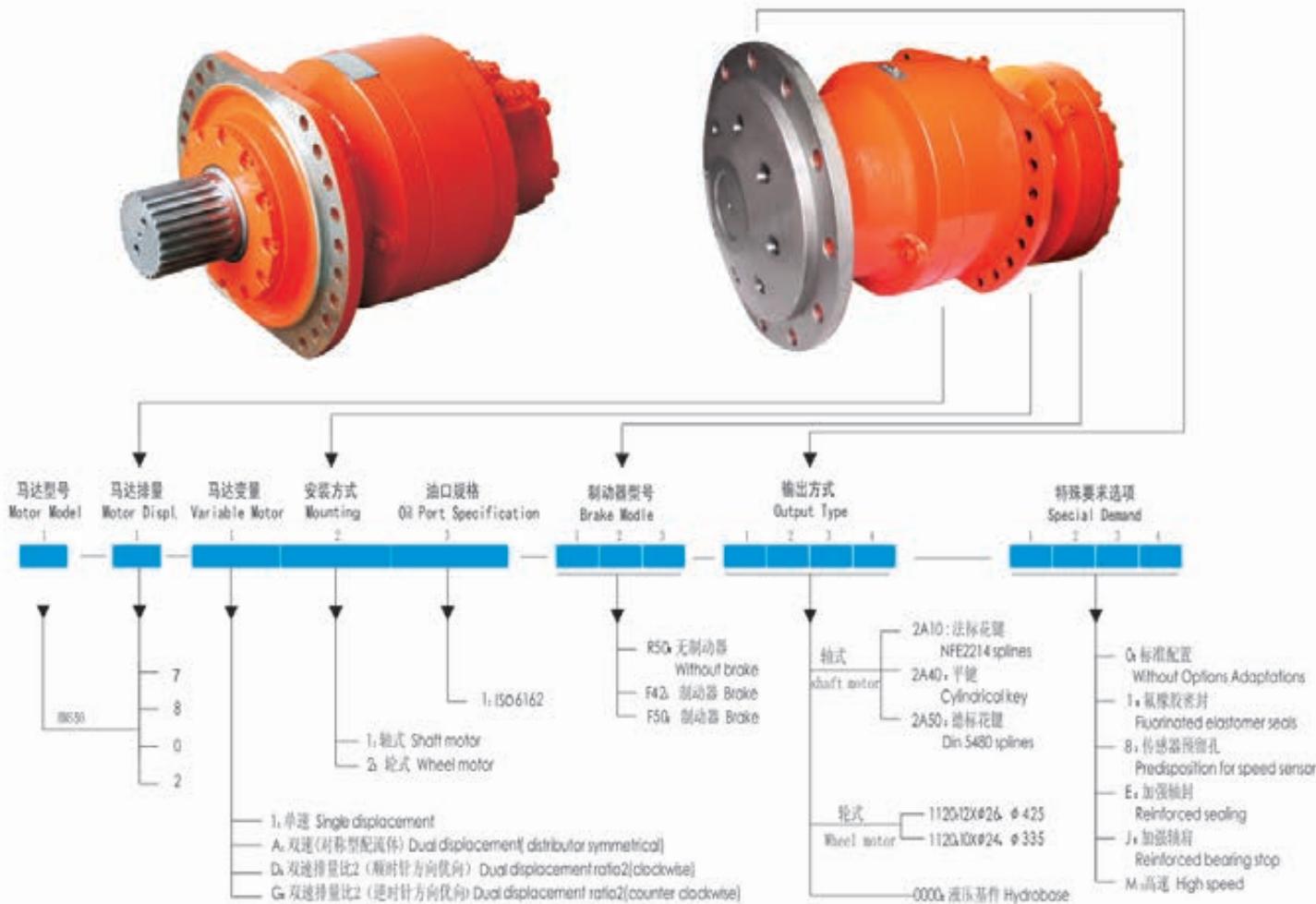
HMS35系列排量图

HMS35 series displacement diagram

排量分组 Displacement Group	7	9	0	2
排量 Displacement (ml/r)	2439	3143	3494	4198
压差10MPa时理论扭矩 Theoretical torque at 10MPa (N.m)	3878	4997	5555	6675
额定转速 Rated speed (r/min)	100	80	63	63
额定压力 Rated pressure (Mpa)	25	25	25	25
额定扭矩 Rated torque (N.m)	8000	10300	11450	13800
最大压力 Max.pressure (Mpa)	31.5	31.5	31.5	31.5
最大扭矩 Max. torque (N.m)	9850	12700	14150	17000
转速范围 Speed range (r/min)	0-140	0-140	0-130	0-110
最大功率 Max. power (kW)	标准排量110kW, 变排量优先级向73kW, 变排量非优先级向55kW Standard displacement is 110kW, variable displacement priority rotation 73kW, no priority is 55kW			

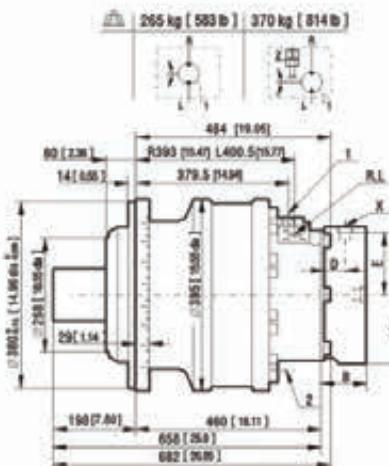
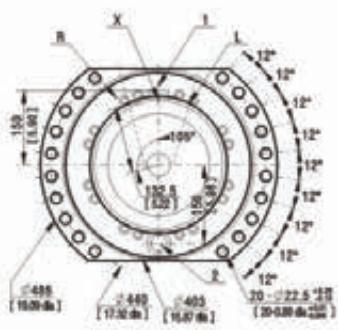
HMS50系列液压马达

HMS50 series hydraulic motor



HMS50连接尺寸图

HMS50 Connection Dimension



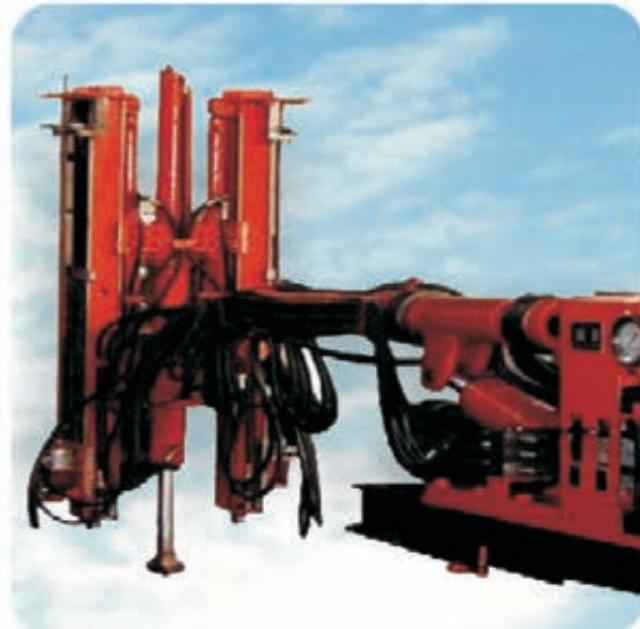
HMS50系列液压马达应用

HMS50 series hydraulic motor application

工程机械 (Construction Machinery) : 26T压路机 (MK系列) 26T Road Roller (MK Series),
锻造操作机 (Forging Manipulator), 抓斗机 (Bucket Wheel Machine)、反井钻 (Raise-Bore Machine)
船舶机械 (甲板机械) (Marine Machinery) : 船用甲板吊机 (Marine Deck Crane) ,
港口起吊设备 (Gantry Crane Equipment)
矿山机械 (Mining Machinery) : 重载搬运车 (Heavy Duty Handling Car) , 煤矿钻机 (Coal Mine Drill)



锻造操作机
Forging Manipulator



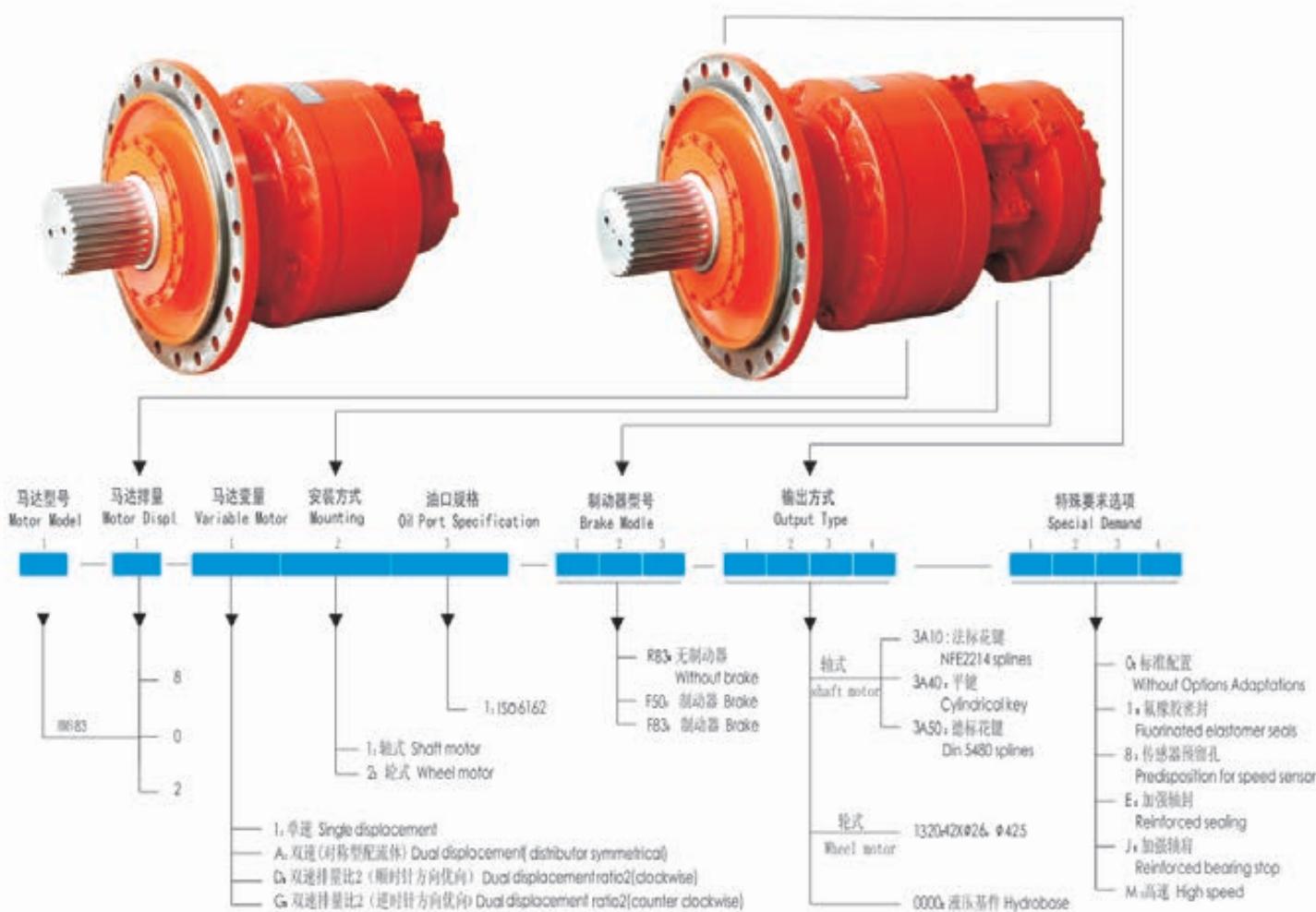
反井钻
Raise-Bore Machine

HMS50系列排量图

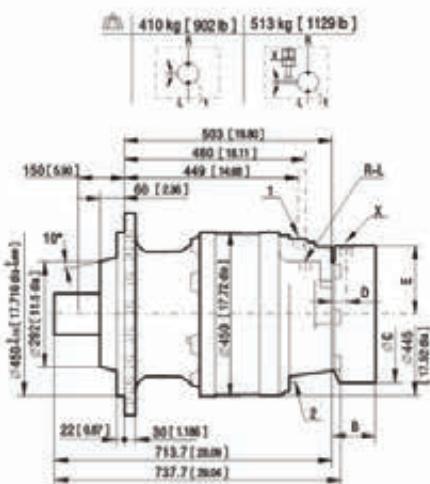
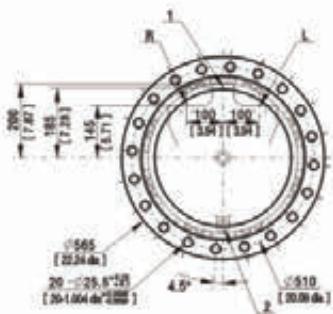
HMS50 series displacement diagram

排量分组 Displacement Group	7	8	0	2
排量 Displacement (ml/r)	3500	4008	4997	6011
压差10MPa时理论扭矩 Theoretical torque at 10MPa (N.m)	5565	6373	7945	9557
额定转速 Rated speed (r/min)	80	80	63	50
额定压力 Rated pressure (Mpa)	25	25	25	25
额定扭矩 Rated torque (N.m)	11500	13150	16400	19750
最大压力 Max.pressure (Mpa)	31.5	31.5	31.5	31.5
最大扭矩 Max. torque (N.m)	14150	16250	20250	24350
转速范围 Speed range (r/min)	0-148	0-138	0-111	0-92
最大功率 Max. power (kW)	标准排量140kW, 变排量优先指向93kW, 变排量非优先指向70kW Standard displacement is 140kW, variable displacement priority rotation 93kW, no priority is 70kW			

HMS83系列液压马达 HMS83 series hydraulic motor



HMS83连接尺寸图 HMS83 Connection Dimension



HMS83系列液压马达应用

HMS83 series hydraulic motor application

工程机械 (Construction Machinery) : 盾构机 (Shield Machine), 斗轮机 (Bucket Wheel Machine), 石油钻井设备 (Oil Drilling Equipment), 锻造操作机 (Forging Manipulator).

矿山机械 (Mining Machinery) : 重载搬运车 (Heavy Duty Handling Car), 煤矿钻机 (Coal Mine Drill).

船舶机械 (甲板机械) (Marine Machinery) : 船用甲板吊机 (Marine Deck Crane), 港口起吊设备 (Gantry Crane Equipment).



石油钻井设备
Oil Drilling Equipment



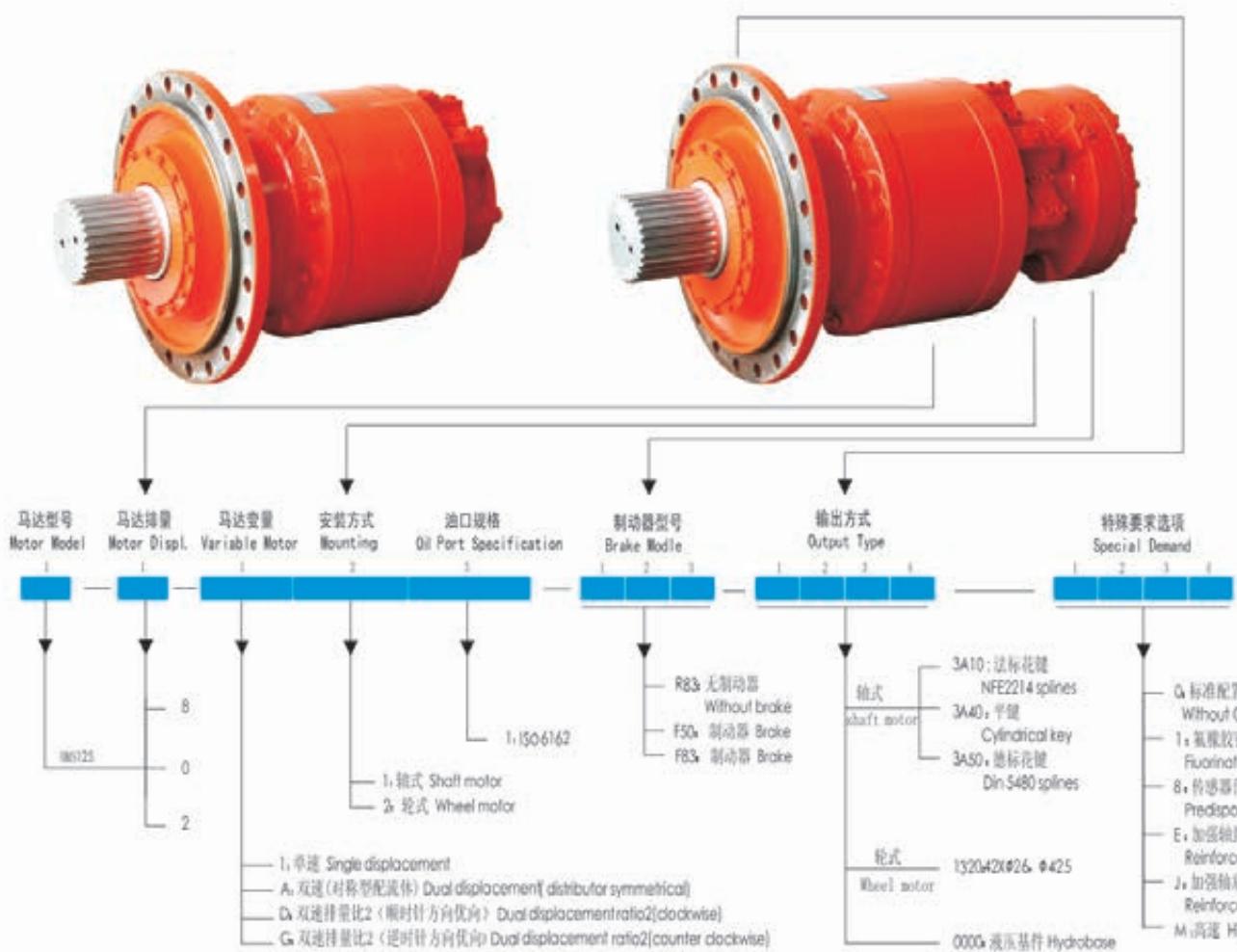
斗轮机
Bucket Wheel Machine

HMS83系列排量图

HMS83 series displacement diagram

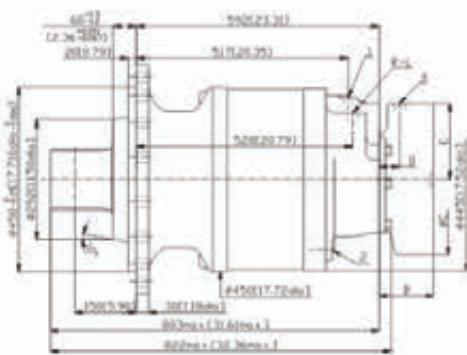
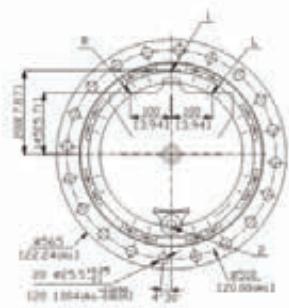
排量分组 Displacement Group	8	0	2
排量 Displacement (ml/r)	6679	8328	10019
压差10MPa时理论扭矩 Theoretical torque at 10MPa (N.m)	10620	13242	15930
额定转速 Rated speed (r/min)	63	50	40
额定压力 Rated pressure (Mpa)	25	25	25
额定扭矩 Rated torque (N.m)	21700	27050	32550
最大压力 Max.pressure (Mpa)	31.5	31.5	31.5
最大扭矩 Max. torque (N.m)	27050	33750	40600
转速范围 Speed range (r/min)	0-65	0-52	0-43
最大功率 Max. power (kW)	标准排量220kW, 变排量优先级高135kW Standard displacement is 220kW, variable displacement priority rotation 135kW		

HMS125系列液压马达



HMS125连接尺寸图

HMS125 Connection Dimension



HMS125系列液压马达应用

HMS125 series hydraulic motor application

工程机械 (Construction Machinery) : 盾构机 (Shield Machine), 斗轮机 (Bucket Wheel Machine),
石油钻井设备 (Oil Drilling Equipment)

矿山机械 (Mining Machinery) : 重载搬运车 (Heavy duty handling car), 煤矿钻机 (Coal mine drill)



盾构机
Shield Machine



掘进机
Road Header

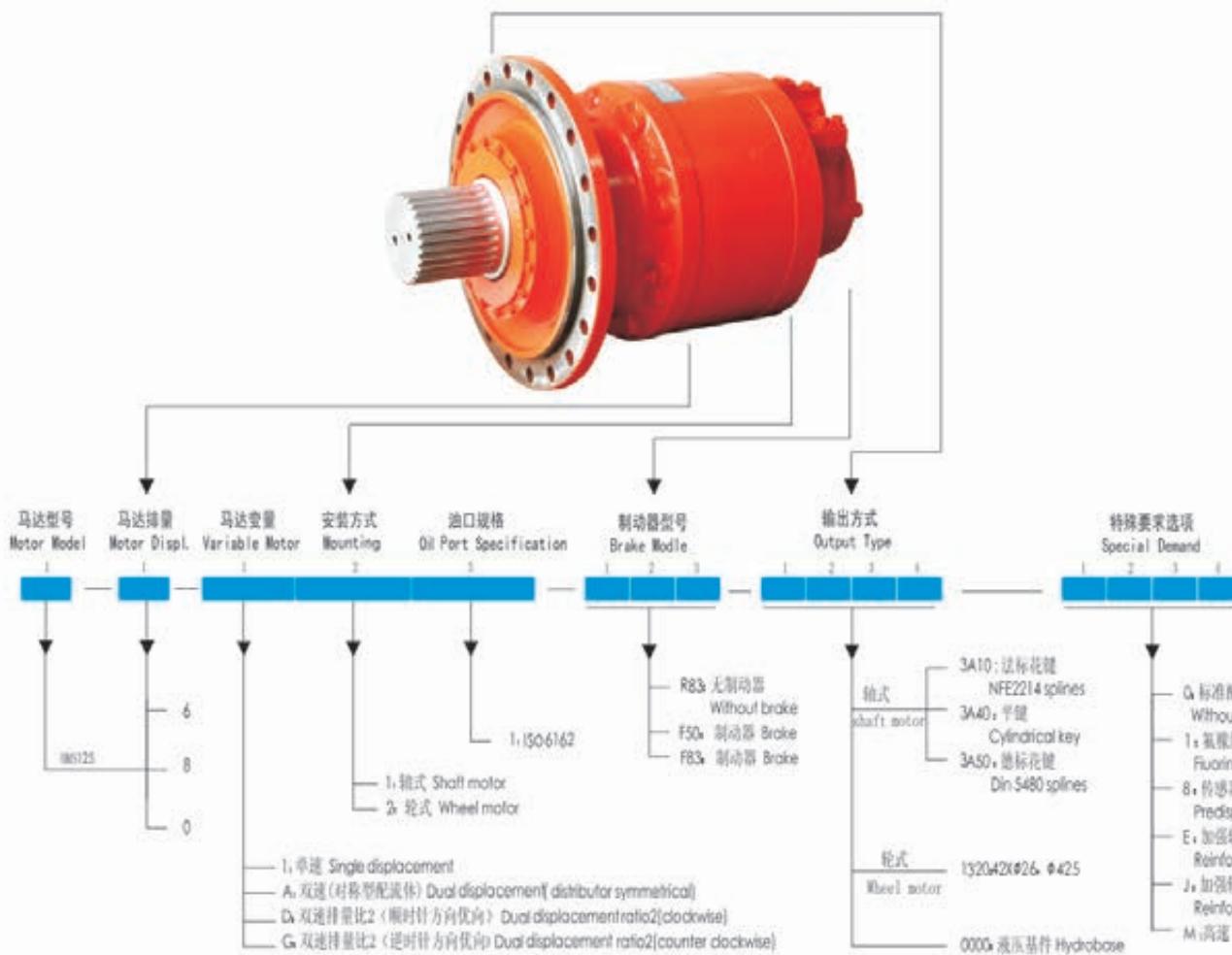
HMS125系列排量图

HMS125 series displacement diagram

排量分组 Displacement Group	8	0	2
排量 Displacement (ml/r)	10000	12500	15000
压差10MPa时理论扭矩 Theoretical torque at 10MPa (N.m)	15900	19875	23850
额定转速 Rated speed (r/min)	50	40	30
额定压力 Rated pressure (Mpa)	25	25	25
额定扭矩 Rated torque (N.m)	32850	41100	49300
最大压力 Max.pressure (Mpa)	31.5	31.5	31.5
最大扭矩 Max. torque (N.m)	40500	50650	60800
转速范围 Speed range (r/min)	0-50	0-40	0-30
最大功率 Max. power (kW)	标准排量240kW, 变排量优先转向160kW Standard displacement is 240kW, variable displacement priority rotation 160kW		

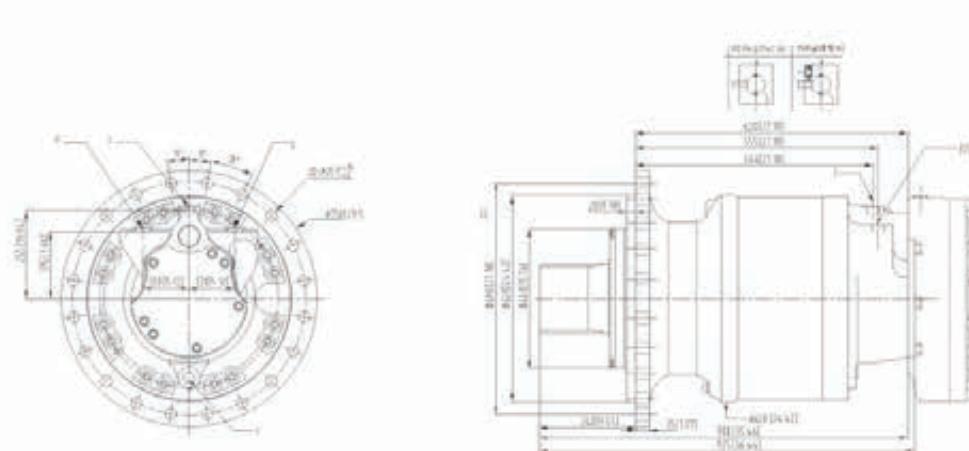
HMS250系列液压马达

HMS250 series hydraulic motor



HMS250连接尺寸图

HMS250 Connection Dimension





HMS250系列液压马达应用

HMS250 series hydraulic motor application

水泥机械(Cement Machinery) :辊压机(Roller Press Machinery)

船舶机械 (Marine Machinery) :锚绞机 (windlasses and mooring winches)



水泥机械

Cement Machinery



船舶锚绞机

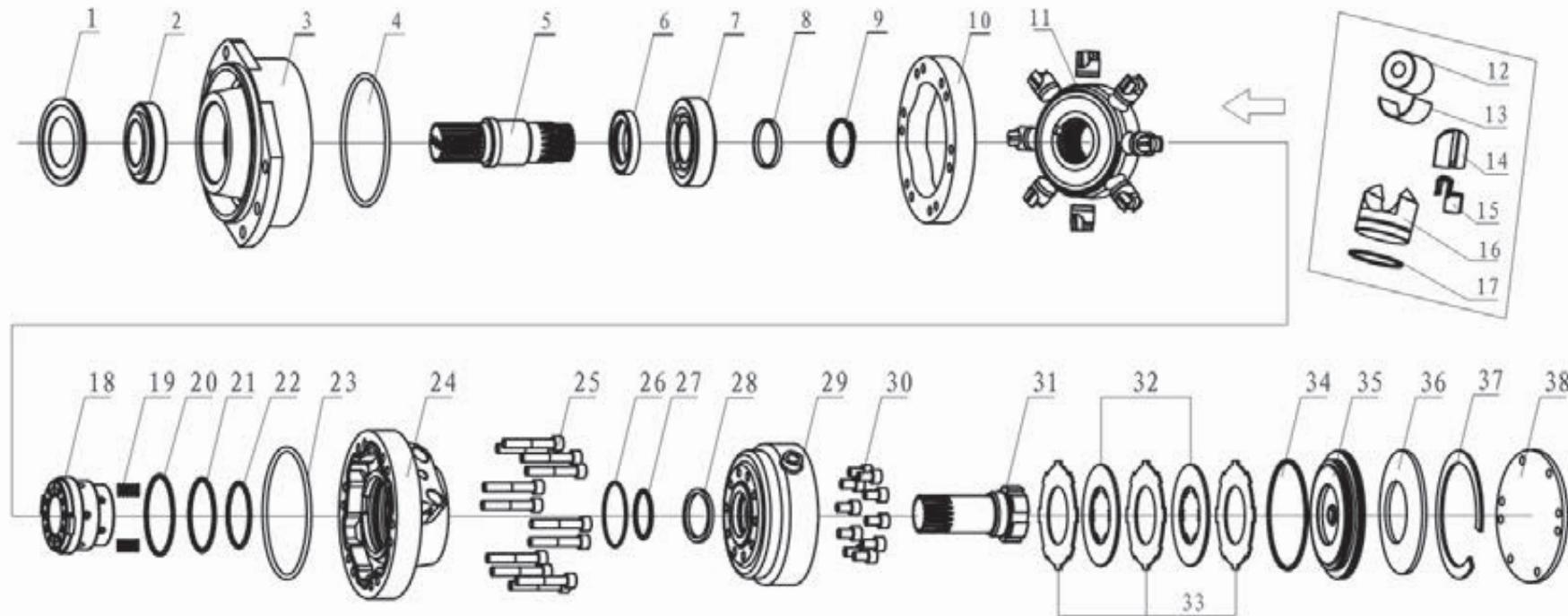
Marine Windlasses and Mooring Winches

HMS250系列排量图

HMS250 series displacement diagram

排量分组 Displacement Group	6	8	0
排量 Displacement (ml/r)	16000	20000	25000
压差10MPa时理论扭矩 Theoretical torque at 10MPa (N.m)	25440	31800	39750
额定转速 Rated speed (r/min)	40	30	20
额定压力 Rated pressure (Mpa)	25	25	25
额定扭矩 Rated torque (N.m)	52600	65760	82200
最大压力 Max.pressure (Mpa)	31.5	31.5	31.5
最大扭矩 Max. torque (N.m)	64870	81090	101360
转速范围 Speed range (r/min)	0-50	0-40	0-30
最大功率 Max. power (kW)	标准排量280kW, 变排量优先度向200kW Standard displacement is 260kW, variable displacement priority rotation 180kW		

HMS 马达总成三维爆炸图
HMS series hydraulic motor exploded view

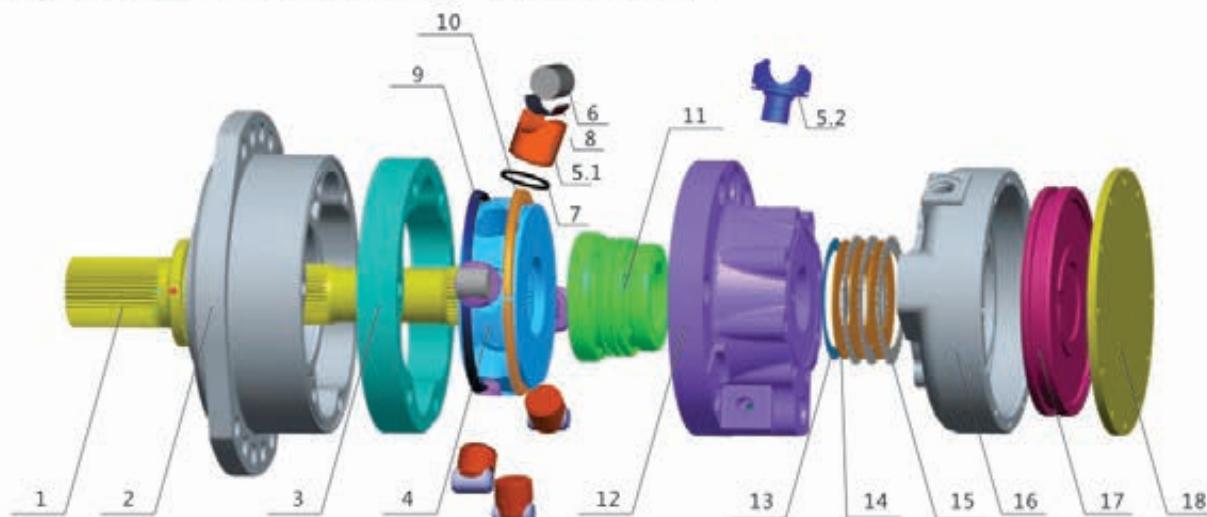


- | | | | |
|------------------|------------------------------|--------------------------|----------------------------|
| 1-Anti dust ring | 11-Rotor | 21-Distributor seal ring | 31-Brake Shaft |
| 2-Bearing | 12-Roller | 22-Distributor seal ring | 32-Dynamic Friction Disc |
| 3-Front Cover | 13-Oilless bearing(bushings) | 23-O-rings | 33-Static Friction Disc |
| 4-O-rings | 14-Plastic Block | 24-Rear Cover | 34-Brake Plunger sealaring |
| 5-Drive Shaft | 15-Spring Pin | 25-Screw | 35-Brake Plunger |
| 6-Oil Seal | 16-Plunger Piston | 26-O-rings | 36-Disc Spring |
| 7-Bearing | 17-Piston ring | 27-Rotary oil seal | 37-Clip Ring |
| 8-Washer | 18-Distributor | 28-Bushing | 38-Cover Plate |
| 9-Snap ring | 19-Spring | 29-Brake Cylinder | |
| 10-Stator | 20-Distributor seal ring | 30-Screw | |

HMCR03/HMCRE03液压马达系列零配件 HMCR03/HMCRE03 Hydraulic Motor Parts



产品详细介绍 (Products are introduced in detail):



HMCR03/HMCRE03系列零件名称表

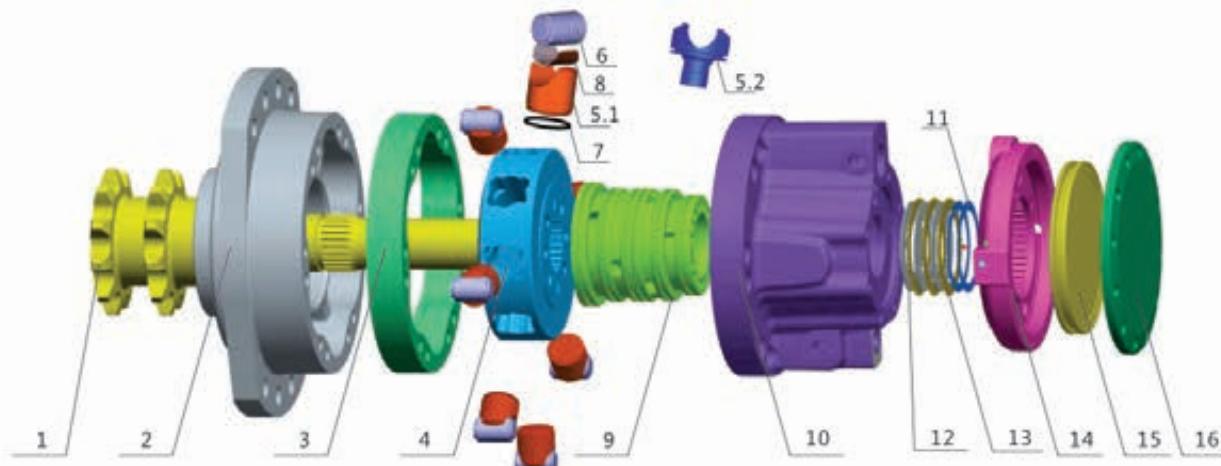
HMCR03/HMCRE03 series parts list

序号(ITEM)	部件名称(DESCRIPTION)	数量(QUANTITY)	备注(REMARK)	序号(ITEM)	部件名称(DESCRIPTION)	数量(QUANTITY)	备注(REMARK)
1	传动轴 DRIVE SHAFT	1		10	弹性挡圈 CLIP RING	2	
2	前盖 FRONT COVER	1		11	配流轴 DISTRIBUTOR	1	
3	定子 STATOR	1		12	后盖 REAR COVER	1	
4	转子 ROTOR	1		13	调节垫片 ADJUSTING SHIM	2	
5.1	柱塞 PLUNGER PISTON	8	HMCRO3	14	动摩擦片 DYNAMIC FRICTION	13	
5.2	柱塞 PLUNGER PISTON	8	HMCRE03	15	静摩擦片 STATIC FRICTION	15	
6	滚子 ROLLER	8		16	制动缸 BRAKE CYLINDER	1	
7	活塞环 PISTON RING	8		17	制动活塞 BRAKE PLUNGER	1	
8	无油轴承 BUSHING	8		18	制动缸盖 COVER PLATE	1	
9	挡环 BAFFLE RING	2					

HMCR05/HMCRE05液压马达系列零配件 HMCR05/HMCRE05 Hydraulic Motor Parts



产品详细介绍 (Products are introduced in detail):



HMCR05/HMCRE05系列零件名称表

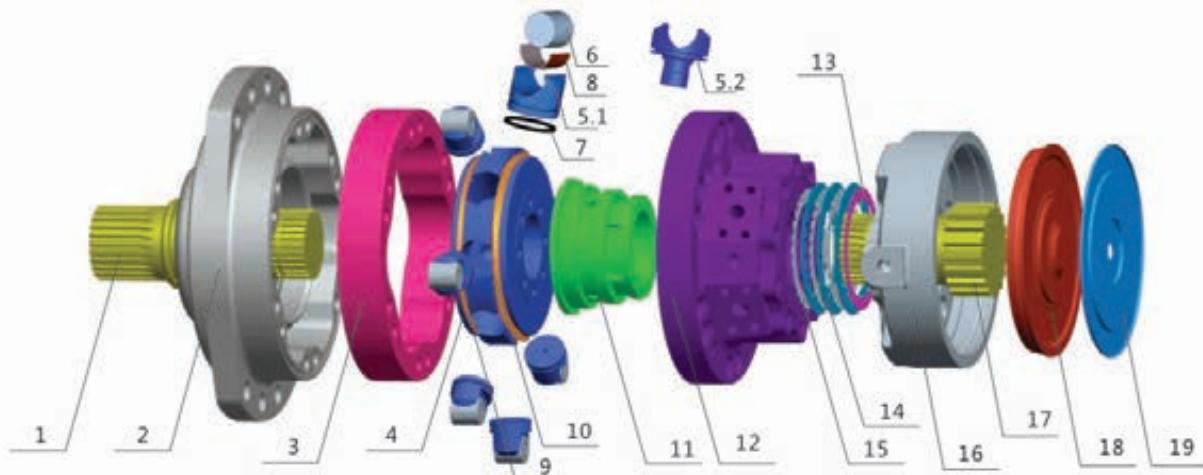
HMCR05/HMCRE05 series parts list

序号(ITEM)	部件名称(DESCRIPTION)	数量(QUANTITY)	备注(REMARK)	序号(ITEM)	部件名称(DESCRIPTION)	数量(QUANTITY)	备注(REMARK)
1	传动轴 DRIVE SHAFT	1		9	配流轴 DISTRIBUTOR	1	
2	前盖 FRONT COVER	1		10	后盖 REAR COVER	1	
3	定子 STATOR	1		11	调节垫片 ADJUSTING SHIM	2	
4	转子 ROTOR	1		12	动摩擦片 DYNAMIC FRICTION	13	
5.1	柱塞 PLUNGER PISTON	8	HMCR05	13	静摩擦片 STATIC FRICTION	15	
5.2	柱塞 PLUNGER PISTON	8	HMCRE05	14	制动缸 BRAKE CYLINDER	1	
6	滚子 ROLLER	8		15	制动活塞 BRAKE PLUNGER	1	
7	活塞环 PISTON RING	8		16	制动缸盖 COVER PLATE	1	
8	无油轴承 BUSHING	8					

HMCR10/HMCRE10液压马达系列零配件 HMCR10/HMCRE10 Hydraulic Motor Parts



产品详细介绍 (Products are introduced in detail):



HMCR10/HMCRE10系列零件名称表

HMCR10/HMCRE10 series parts list

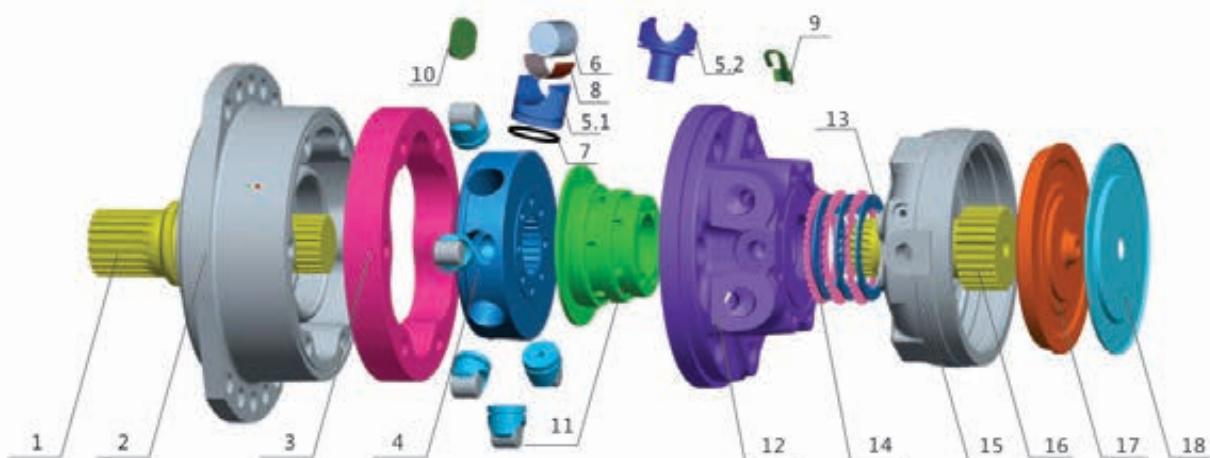
序号(ITEM)	部件名称(DESCRIPTION)	数量(QUANTITY)	备注(REMARK)	序号(ITEM)	部件名称(DESCRIPTION)	数量(QUANTITY)	备注(REMARK)
1	传动轴 DRIVE SHAFT	1		10	弹性挡圈 CLIP RING	2	
2	前盖 FRONT COVER	1		11	配流轴 DISTRIBUTOR	1	
3	定子 STATOR	1		12	后盖 REAR COVER	1	
4	转子 ROTOR	1		13	调节垫片 ADJUSTING SHIM	1	
5.1	柱塞 PLUNGER PISTON	10	HMCR10	14	动摩擦片 DYNAMIC FRICTION	14	
5.2	柱塞 PLUNGER PISTON	10	HMCRE10	15	静摩擦片 STATIC FRICTION	15	
6	滚子 ROLLER	10		16	制动缸 BRAKE CYLINDER	1	
7	活塞环 PISTON RING	10		17	制动轴 BRAKE SHAFT	1	
8	无油轴承 BUSHING	10		18	制动活塞 BRAKE PLUNGER	1	
9	挡环 BAFFLE RING	2		19	制动缸盖 COVER PLATE	1	

HMS02/HMSE02液压马达系列零配件

HMS02/HMSE02 Hydraulic Motor Parts



产品详细介绍 (Products are introduced in detail):



HMS02/HMSE02系列零件名称表

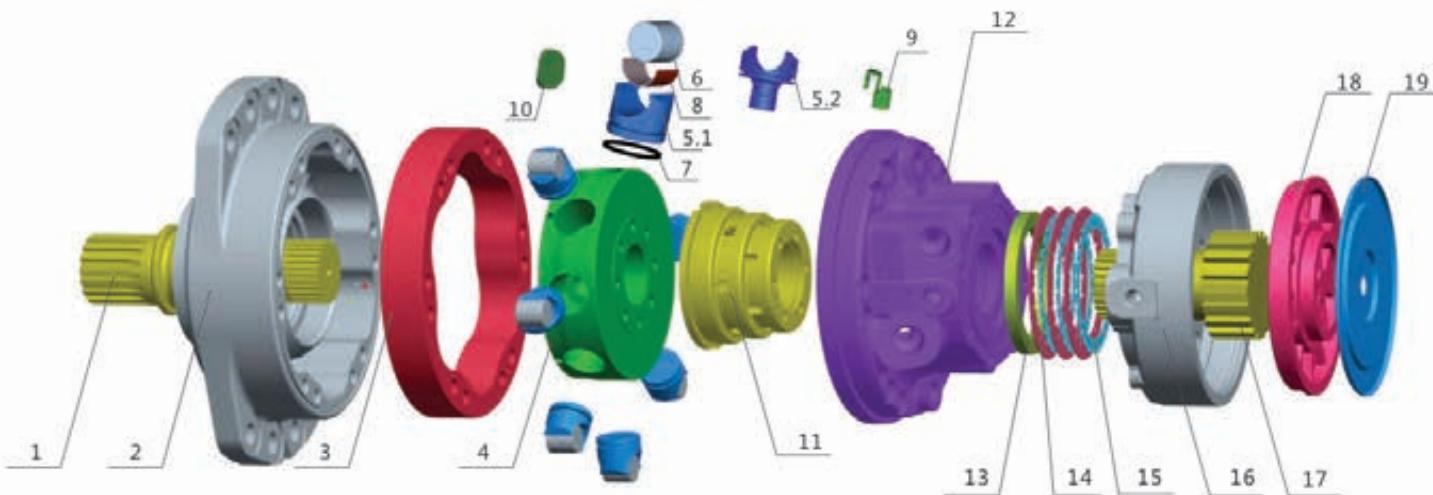
HMS02/HMSE02 series parts list

序号(ITEM)	部件名称(DESCRIPTION)	数量(QUANTITY)	备注(REMARK)	序号(ITEM)	部件名称(DESCRIPTION)	数量(QUANTITY)	备注(REMARK)
1	传动轴 DRIVE SHAFT	1		10	柱塞挡板 PLASTIC BLOCK	16	
2	前盖 FRONT COVER	1		11	配流轴 DISTRIBUTOR	1	
3	定子 STATOR	1		12	后盖 REAR COVER	1	
4	转子 ROTOR	1		13	动摩擦片 DYNAMIC FRICTION	10	
5.1	柱塞 PLUNGER PISTON	8	HMS02	14	静摩擦片 STATIC FRICTION	10	
5.2	柱塞 PLUNGER PISTON	8	HMSE02	15	制动缸 BRAKE CYLINDER	1	
6	滚子 ROLLER	8		16	制动轴 BRAKE SHAFT	1	
7	活塞环 PISTON RING	8		17	制动活塞 BRAKE PLUNGER	1	
8	无油轴承 BUSHING	8		18	制动缸盖 COVER PLATE	1	
9	弹簧销 SPRING PIN	8					

HMS05/HMSE05液压马达系列零配件 HMS05/HMSE05 Hydraulic Motor Parts



产品详细介绍 (Products are introduced in detail):



HMS05/HMSE05系列零件名称表

HMS05/HMSE05 series parts list

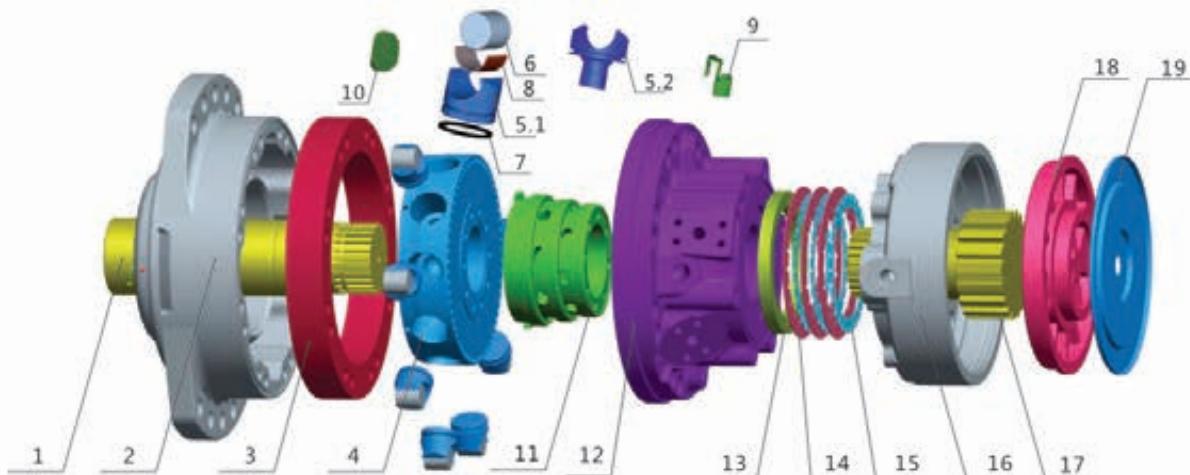
序号(ITEM)	部件名称(DESCRIPTION)	数量(QUANTITY)	备注(REMARK)	序号(ITEM)	部件名称(DESCRIPTION)	数量(QUANTITY)	备注(REMARK)
1	传动轴 DRIVE SHAFT	1		10	柱塞挡板 PLASTIC BLOCK	16	
2	前盖 FRONT COVER	1		11	配流轴 DISTRIBUTOR	1	
3	定子 STATOR	1		12	后盖 REAR COVER	1	
4	转子 ROTOR	1		13	调节垫片 ADJUSTING SHIM	1	
5.1	柱塞 PLUNGER PISTON	8	HMS05	14	动摩擦片 DYNAMIC FRICTION	14	
5.2	柱塞 PLUNGER PISTON	8	HMSE05	15	静摩擦片 STATIC FRICTION	15	
6	滚子 ROLLER	8		16	制动缸 BRAKE CYLINDER	1	
7	活塞环 PISTON RING	8		17	制动轴 BRAKE SHAFT	1	
8	无油轴承 BUSHING	8		18	制动活塞 BRAKE PLUNGER	1	
9	弹簧销 SPRING	8		19	制动缸盖 COVER PLATE	1	

HMS08/HMSE08液压马达系列零配件

HMS08/HMSE08 Hydraulic Motor Parts



产品详细介绍 (Products are introduced in detail):



HMS08/HMSE08系列零件名称表

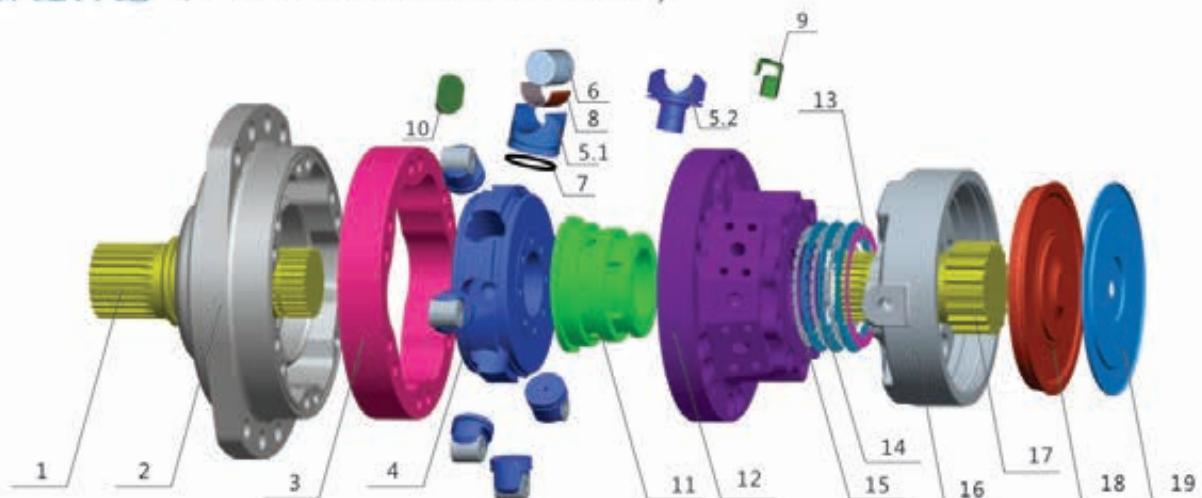
HMS08/HMSE08 series parts list

序号(ITEM)	部件名称(DESCRIPTION)	数量(QUANTITY)	备注(REMARK)	序号(ITEM)	部件名称(DESCRIPTION)	数量(QUANTITY)	备注(REMARK)
1	传动轴 DRIVE SHAFT	1		10	柱塞挡板 PLASTIC BLOCK	20	
2	前盖 FRONT COVER	1		11	配流轴 DISTRIBUTOR	1	
3	定子 STATOR	1		12	后盖 REAR COVER	1	
4	转子 ROTOR	1		13	调节垫片 ADJUSTING SHIM	1	
5.1	柱塞 PLUNGER PISTON	10	HMS08	14	动摩擦片 DYNAMIC FRICTION	14	
5.2	柱塞 PLUNGER PISTON	10	HMSE08	15	静摩擦片 STATIC FRICTION	15	
6	滚子 ROLLER	10		16	制动缸 BRAKE CYLINDER	1	
7	活塞环 PISTON RING	10		17	制动轴 BRAKE SHAFT	1	
8	无油轴承 BUSHING	10		18	制动活塞 BRAKE PLUNGER	1	
9	弹簧销 SPRING PIN	10		19	制动缸盖 COVER PLATE	1	

HMS11/HMSE11液压马达系列零配件 HMS11/HMSE11 Hydraulic Motor Parts



产品详细介绍 (Products are introduced in detail):



HMS11/HMSE11系列零件名称表

HMS11/HMSE11 series parts list

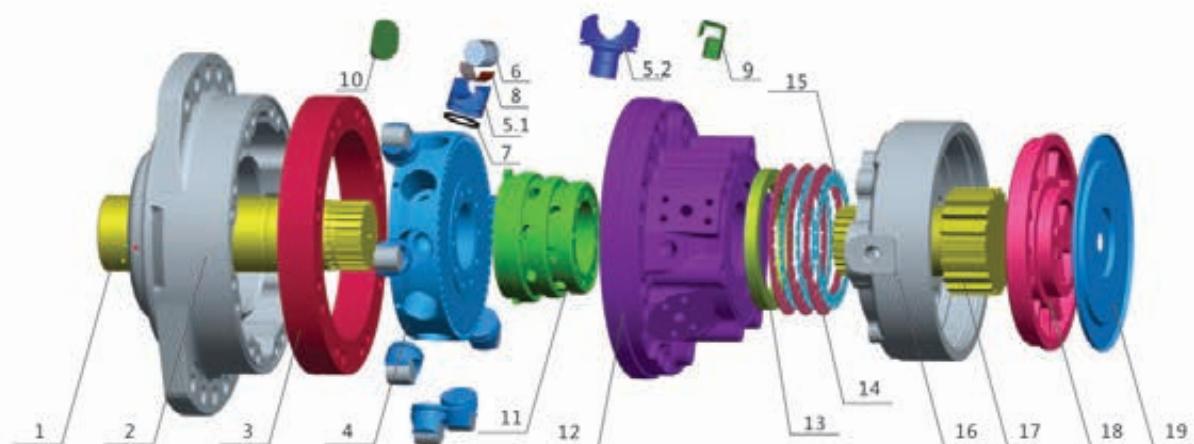
序号(ITEM)	部件名称(DESCRIPTION)	数量(QUANTITY)	备注(REMARK)	序号(ITEM)	部件名称(DESCRIPTION)	数量(QUANTITY)	备注(REMARK)
1	传动轴 DRIVE SHAFT	1		10	柱塞挡板 PLASTIC BLOCK	16	
2	前盖 FRONT COVER	1		11	配流轴 DISTRIBUTOR	1	
3	定子 STATOR	1		12	后盖 REAR COVER	1	
4	转子 ROTOR	1		13	调节垫片 ADJUSTING SHIM	1	
5.1	柱塞 PLUNGER PISTON	8	HMS11	14	动摩擦片 DYNAMIC FRICTION	19	
5.2	柱塞 PLUNGER PISTON	8	HMSE11	15	静摩擦片 STATIC FRICTION	19	
6	滚子 ROLLER	8		16	制动缸 BRAKE CYLINDER	1	
7	活塞环 PISTON RING	8		17	制动轴 BRAKE SHAFT	1	
8	无油轴承 BUSHING	8		18	制动活塞 BRAKE PLUNGER	1	
9	弹簧销 SPRING PIN	8		19	制动缸盖 COVER PLATE	1	

HMS18/HMSE18液压马达系列零配件

HMS18/HMSE18 Hydraulic Motor Parts



产品详细介绍 (Products are introduced in detail):



HMS18/HMSE18系列零件名称表

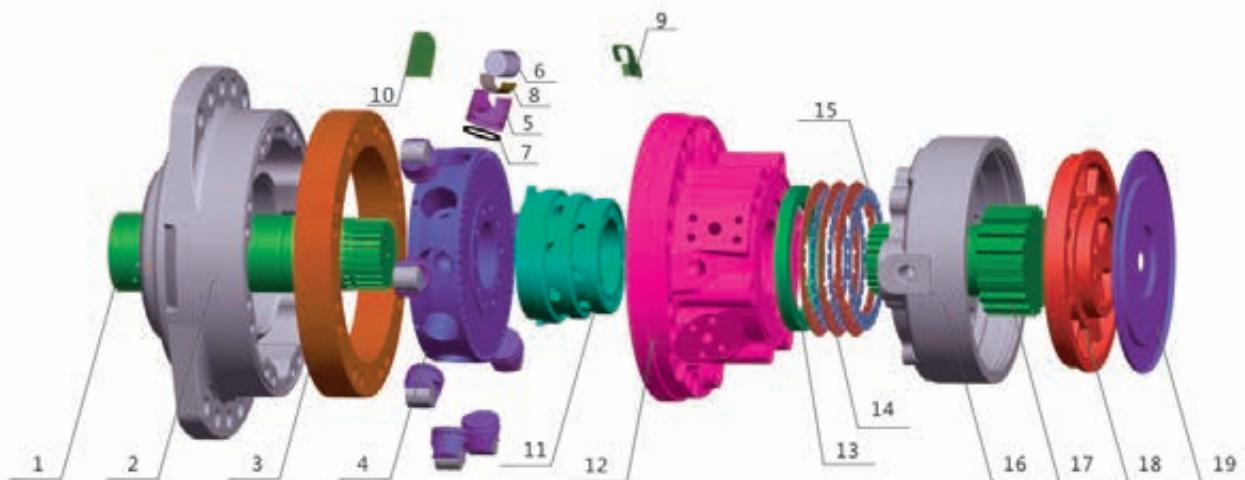
HMS18/HMSE18 series parts list

序号(ITEM)	部件名称(DESCRIPTION)	数量(QUANTITY)	备注(REMARK)	序号(ITEM)	部件名称(DESCRIPTION)	数量(QUANTITY)	备注(REMARK)
1	传动轴 DRIVE SHAFT	1		10	柱塞挡板 PLASTIC BLOCK	20	
2	前盖 FRONT COVER	1		11	配流轴 DISTRIBUTOR	1	
3	定子 STATOR	1		12	后盖 REAR COVER	1	
4	转子 ROTOR	1		13	调节垫片 ADJUSTING SHIM	1	
5.1	柱塞 PLUNGER PISTON	10	HMS18	14	动摩擦片 DYNAMIC FRICTION	19	
5.2	柱塞 PLUNGER PISTON	10	HMSE18	15	静摩擦片 STATIC FRICTION	19	
6	滚子 ROLLER	10		16	制动缸 BRAKE CYLINDER	1	
7	活塞环 PISTON RING	10		17	制动轴 BRAKE SHAFT	1	
8	无油轴承 BUSHING	10		18	制动活塞 BRAKE PLUNGER	1	
9	弹簧销 SPRING PIN	10		19	制动缸盖 COVER PLATE	1	

HMS25液压马达系列零配件 HMS25 Hydraulic Motor Parts



产品详细介绍 (Products are introduced in detail):



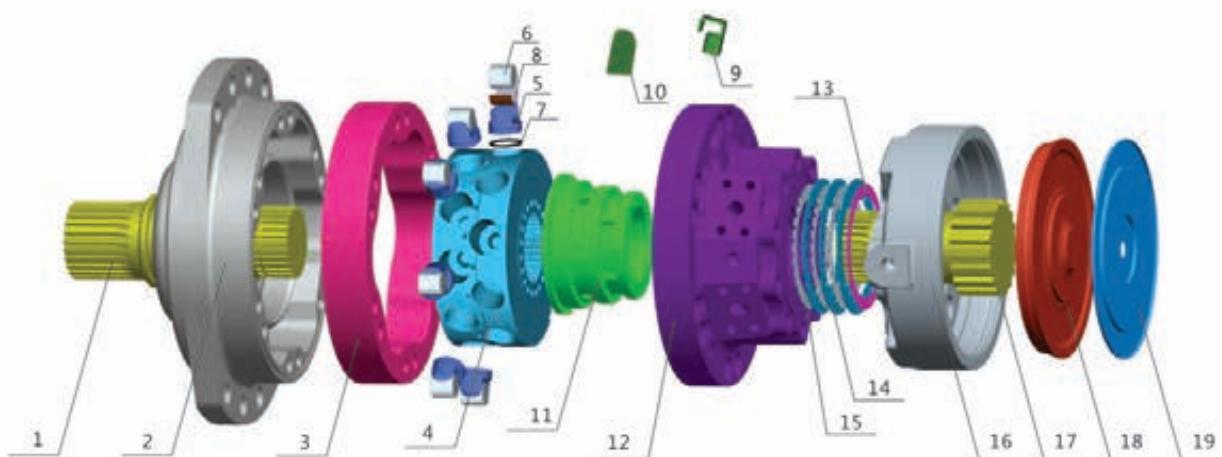
HMS25系列零件名称表 HMS25 series parts list

序号(ITEM)	部件名称(DESCRIPTION)	数量(QUANTITY)	备注(REMARK)	序号(ITEM)	部件名称(DESCRIPTION)	数量(QUANTITY)	备注(REMARK)
1	传动轴 DRIVE SHAFT	1		11	配流轴 DISTRIBUTOR	1	
2	前盖 FRONT COVER	1		12	后盖 REAR COVER	1	
3	定子 STATOR	1		13	调节垫片 ADJUSTING SHIM	1	
4	转子 ROTOR	1		14	动摩擦片 DYNAMIC FRICTION	18	
5	柱塞 PLUNGER PISTON	8		15	静摩擦片 STATIC FRICTION	20	
6	滚子 ROLLER	8		16	制动缸 BRAKE CYLINDER	1	
7	活塞环 PISTON RING	8		17	制动轴 BRAKE SHAFT	1	
8	无油轴承 BUSHING	8		18	制动活塞 BRAKE PLUNGER	1	
9	弹簧销 SPRING PIN	8		19	制动缸盖 COVER PLATE	1	
10	柱塞挡板 PLASTIC BLOCK	16					

HMS35液压马达系列零配件 HMS35 Hydraulic Motor Parts



产品详细介绍 (Products are introduced in detail):



HMS35系列零件名称表

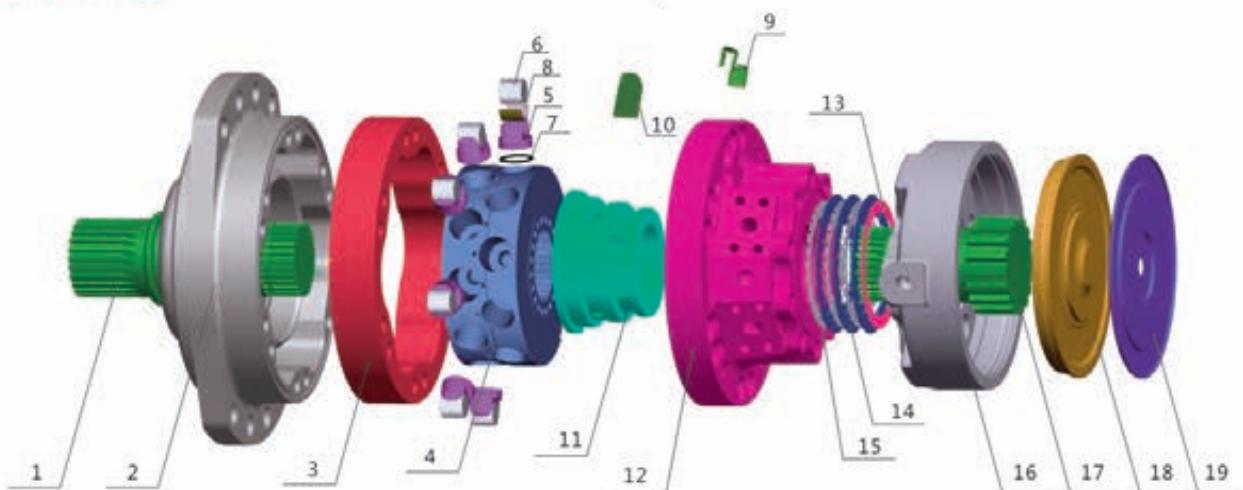
HMS35 series parts list

序号(ITEM)	部件名称(DESCRIPTION)	数量(QUANTITY)	备注(REMARK)	序号(ITEM)	部件名称(DESCRIPTION)	数量(QUANTITY)	备注(REMARK)
1	传动轴 DRIVE SHAFT	1		11	配流轴 DISTRIBUTOR	1	
2	前盖 FRONT COVER	1		12	后盖 REAR COVER	1	
3	定子 STATOR	1		13	调节垫片 ADJUSTING SHIM	1	
4	转子 ROTOR	1		14	动摩擦片 DYNAMIC FRICTION	18	
5	柱塞 PLUNGER PISTON	20		15	静摩擦片 STATIC FRICTION	20	
6	滚子 ROLLER	20		16	制动缸 BRAKE CYLINDER	1	
7	活塞环 PISTON RING	20		17	制动轴 BRAKE SHAFT	1	
8	无油轴承 BUSHING	20		18	制动活塞 BRAKE PLUNGER	1	
9	弹簧销 SPRING PIN	20		19	制动缸盖 COVER PLATE	1	
10	柱塞挡板 PLASTIC BLOCK	40					

HMS50液压马达系列零配件 HMS50 Hydraulic Motor Parts



产品详细介绍 (Products are introduced in detail):



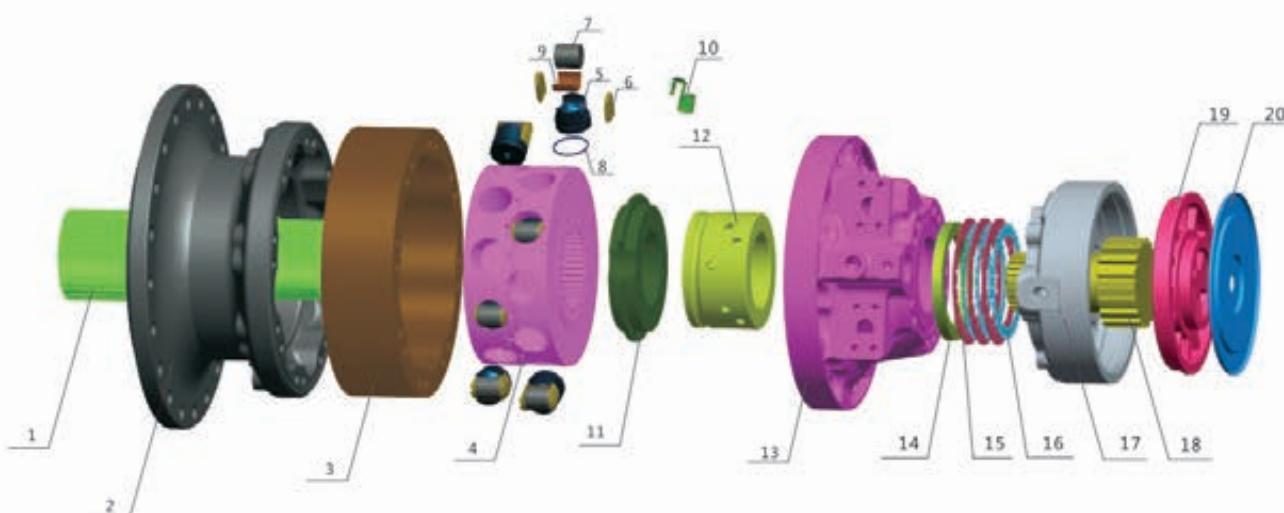
HMS50系列零件名称表 HMS50 series parts list

序号(ITEM)	部件名称(DESCRIPTION)	数量(QUANTITY)	备注(REMARK)	序号(ITEM)	部件名称(DESCRIPTION)	数量(QUANTITY)	备注(REMARK)
1	传动轴 DRIVE SHAFT	1		11	配流轴 DISTRIBUTOR	1	
2	前盖 FRONT COVER	1		12	后盖 REAR COVER	1	
3	定子 STATOR	1		13	调节垫片 ADJUSTING SHIM	1	
4	转子 ROTOR	1		14	动摩擦片 DYNAMIC FRICTION	21	
5	柱塞 PLUNGER PISTON	16		15	静摩擦片 STATIC FRICTION	22	
6	滚子 ROLLER	16		16	制动缸 BRAKE CYLINDER	1	
7	活塞环 PISTON RING	16		17	制动轴 BRAKE SHAFT	1	
8	无油轴承 BUSHING	16		18	制动活塞 BRAKE PLUNGER	1	
9	弹簧销 SPRING PIN	16		19	制动缸盖 COVER PLATE	1	
10	柱塞挡板 PLASTIC BLOCK	32					

HMS83液压马达系列零配件 HMS83 Hydraulic Motor Parts



产品详细介绍 (Products are introduced in detail):



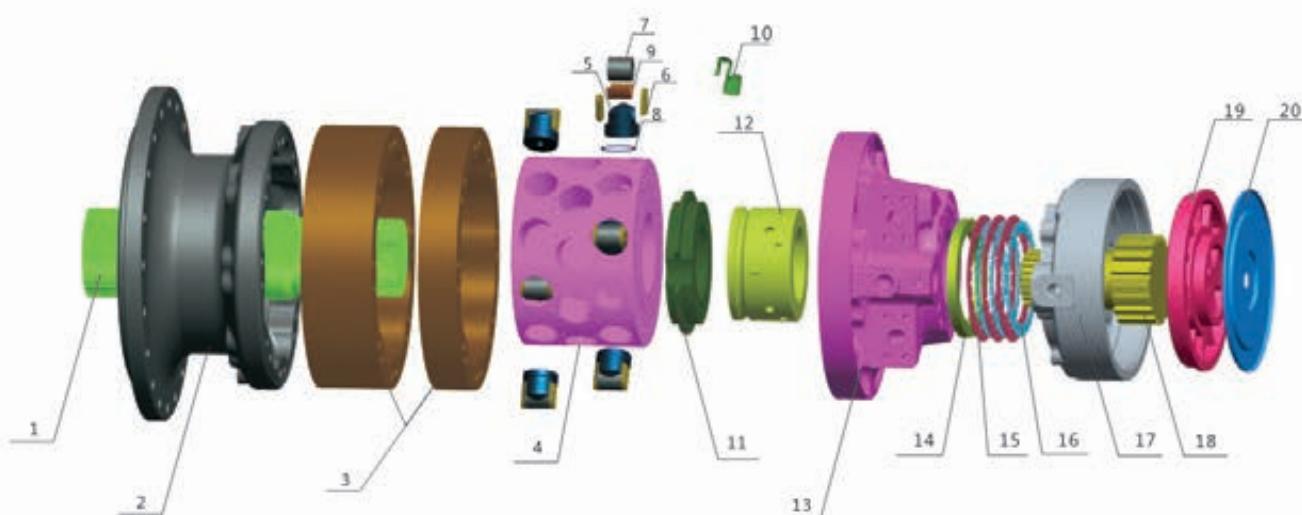
HMS83系列零件名称表
HMS83 series parts list

序号(ITEM)	部件名称(DESCRIPTION)	数量(QUANTITY)	备注(REMARK)	序号(ITEM)	部件名称(DESCRIPTION)	数量(QUANTITY)	备注(REMARK)
1	传动轴 DRIVE SHAFT	1		11	配流盘 VALVE PLATE	1	
2	前盖 FRONT COVER	1		12	配流轴 DISTRIBUTOR	1	
3	定子 STATOR	1		13	后盖 REAR COVER	1	
4	转子 ROTOR	1		14	调节垫片 ADJUSTING SHIM	1	
5	柱塞 PLUNGER PISTON	8		15	动摩擦片 DYNAMIC FRICTION	14	
6	柱塞挡板 PLASTIC BLOCK	16		16	静摩擦片 STATIC FRICTION	15	
7	滚子 ROLLER	8		17	制动缸 BRAKE CYLINDER	1	
8	活塞环 PISTON RING	8		18	制动轴 BRAKE SHAFT	1	
9	无油轴承 BUSHING	8		19	制动活塞 BRAKE PLUNGER	1	
10	弹簧销 SPRING PIN	8		20	制动缸盖 COVER PLATE	1	

HMS125液压马达系列零配件 HMS125 Hydraulic Motor Parts



产品详细介绍 (Products are introduced in detail):



HMS125系列零件名称表
HMS125 series parts list

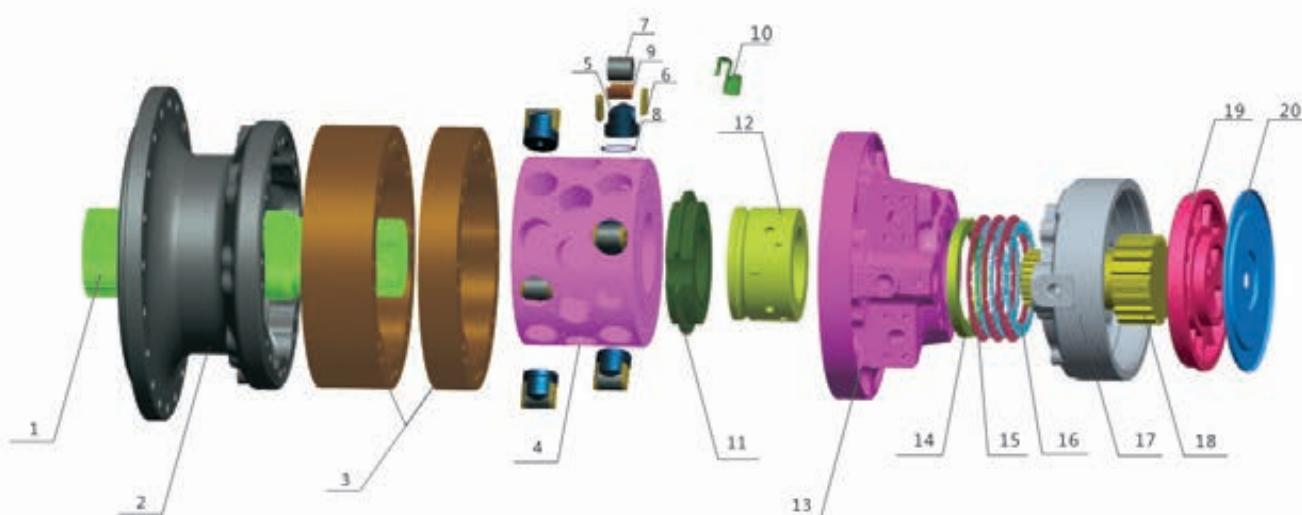
序号(ITEM)	部件名称(DESCRIPTION)	数量(QUANTITY)	备注(REMARK)	序号(ITEM)	部件名称(DESCRIPTION)	数量(QUANTITY)	备注(REMARK)
1	传动轴 DRIVE SHAFT	1		11	配流盘 VALVE PLATE	1	
2	前盖 FRONT COVER	1		12	配流轴 DISTRIBUTOR	1	
3	定子 STATOR	1		13	后盖 REAR COVER	1	
4	转子 ROTOR	1		14	调节垫片 ADJUSTING SHIM	1	
5	柱塞 PLUNGER PISTON	30		15	动摩擦片 DYNAMIC FRICTION	14	
6	柱塞挡板 PLASTIC BLOCK	60		16	静摩擦片 STATIC FRICTION	15	
7	滚子 ROLLER	30		17	制动缸 BRAKE CYLINDER	1	
8	活塞环 PISTON RING	30		18	制动轴 BRAKE SHAFT	1	
9	无油轴承 BUSHING	30		19	制动活塞 BRAKE PLUNGER	1	
10	弹簧销 SPRING PIN	30		20	制动缸盖 COVER PLATE	1	

HMS250液压马达系列零配件

HMS250 Hydraulic Motor Parts



产品详细介绍 (Products are introduced in detail):



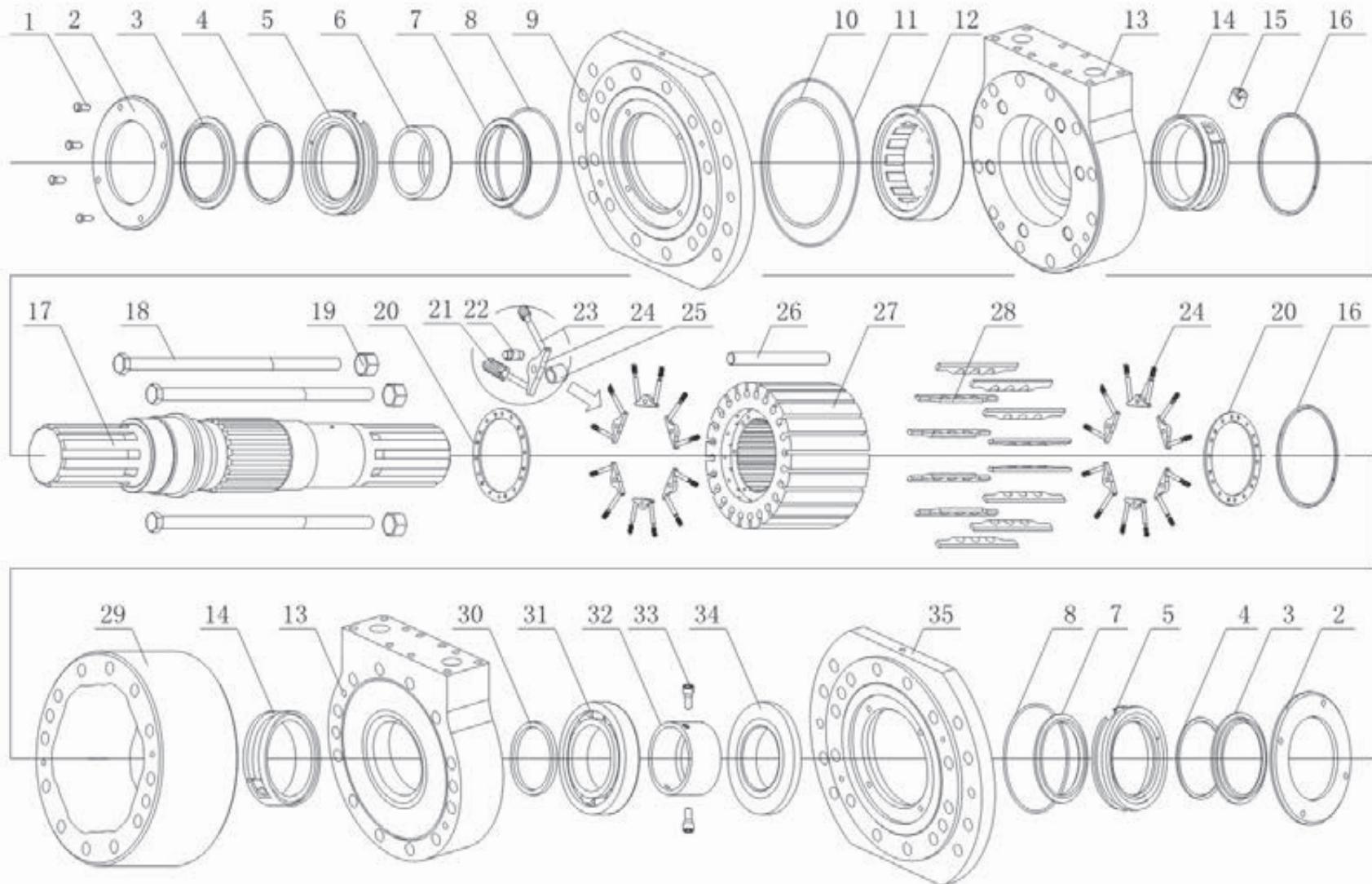
HMS250系列零件名称表

HMS250 series parts list

序号(ITEM)	部件名称(DESCRIPTION)	数量(QUANTITY)	备注(REMARK)	序号(ITEM)	部件名称(DESCRIPTION)	数量(QUANTITY)	备注(REMARK)
1	传动轴 DRIVE SHAFT	1		11	配流盘 VALVE PLATE	1	
2	前盖 FRONT COVER	1		12	配流轴 DISTRIBUTOR	1	
3	定子 STATOR	1		13	后盖 REAR COVER	1	
4	转子 ROTOR	1		14	调节垫片 ADJUSTING SHIM	1	
5	柱塞 PLUNGER PISTON	30		15	动摩擦片 DYNAMIC FRICTION	14	
6	柱塞挡板 PLASTIC BLOCK	60		16	静摩擦片 STATIC FRICTION	15	
7	滚子 ROLLER	30		17	制动缸 BRAKE CYLINDER	1	
8	活塞环 PISTON RING	30		18	制动轴 BRAKE SHAFT	1	
9	无油轴承 BUSHING	30		19	制动活塞 BRAKE PLUNGER	1	
10	弹簧销 SPRING PIN	30		20	制动缸盖 COVER PLATE	1	

叶片马达总成三维爆炸图

Vane motor assembly exploded view



- | | | | | | |
|-----------------------|----------------|--------------------|----------------|-----------------|-----------------------|
| 1-Hexagon Bolt | 7-TCN Oil seal | 13-Casing(Housing) | 19-Nut | 25-Small Collar | 31-Bearing |
| 2-Seal Cover | 8-O-ring | 14-Bush | 20-Plate | 26-Parallel Pin | 32-Rear Distance ring |
| 3-J type Seal | 9-Front Flange | 15-Check Valve | 21-Spring | 27-Rotor | 33-Hexagon Bolt |
| 4-Flet Packing sheet | 10-O-ring | 16-Side Oil seal | 22-Pin | 28-Vane | 34-Housing Washer |
| 5-Seal ring | 11-O-ring | 17-Shaft | 23-Push Rod | 29-Stator | 35-Rear Flange |
| 6-Front Distance ring | 12-Bearing | 18-Bolt | 24-Rocker Beam | 30-Big Collar | |

HVK-7318叶片马达 HVK series-7318 vane motor



HVK 系列叶片马达型号、控制器配置、输出方式、安装尺寸
HVK series Vane Motor Type, Controller Configuration, Output Type and Install Dimension

Motor type	HVK-A	HVK-A	HVK-S
Motor code	F2-7318	F2-7317	F2-8136
Motor	HVK-G-SS	HVK-G-DSS	HVK-S-DSS
Output shaft type	High flow single output shaft	High flow double output shaft (with flange)	Single speed double output shaft (with double flange)
Controller configuration	P-KA-GM	P-KA-GM	DC-LS-SM
Other descriptions	Three speed control with K Transition block	Three speed control with K Transition block	Single control bracket connection

HVK 系列叶片马达主要技术性能参数

HVK series Vane Motor Main Technical Data Sheet

Motor type	HVK-A	HVK-A	HVK-S
Motor Code	F2-7318	F2-7317	F2-8136
Rated Rotation r/min	41.7	41.7	43.0
Supply Oil L/min	305.0	305.0	310.0
Reference oil L/min	309	309	\
Efficiency pressure Mpa	12.7	12.7	10.4
Relief valve Adjust pressure Mpa	16.0	16.0	13.0
Low speed roll up rotation r/min	41.7	41.7	43.0
Middle speed roll up rotation r/min	62.6	62.6	\
High speed roll up rotation r/min	125	125	\
Roll down limit rotation speed r/min	≤132	≤132	≤50
Rated load Static skid T(S)	≥20	≥20	≥20
Rated load Hoisting load T(TON)	4.35	4.35	4.35
Displacement L/r	6.741	6.741	3.304
Rated Pressure Mpa	14.7	14.7	14.7
Actual Torque at Rated pressure N·M	14700	14700	7350
Min.Speed r/min	4	4	4
Mechanical efficiency %	96	96	96



HVK-8136叶片马达
HVK series-8136 vane motor



HVK 系列叶片马达型号、控制器配置、输出方式、安装尺寸

HVK series Vane Motor Type, Controller Configuration, Output Type and Install Dimension

Motor type	HVK-A	HVK-A	HVK-S
Motor code	F2-7318	F2-7317	F2-8136
Motor	HVK-G-SS	HVK-G-DSS	HVK-S-DSS
Output shaft type	High flow single output shaft	High flow double output shaft (with flange)	Single speed double output shaft (with double flange)
Controller configuration	P-KA-GM	P-KA-GM	DC-LS-SM
Other descriptions	Three speed control with K Transition block	Three speed control with K Transition block	Single control bracket connection

HVK 系列叶片马达主要技术性能参数

HVK series Vane Motor Main Technical Data Sheet

Motor type	HVK-A	HVK-A	HVK-S
Motor Code	F2-7318	F2-7317	F2-8136
Rated Rotation r/min	41.7	41.7	43.0
Supply Oil L/min	305.0	305.0	310.0
Reference oil L/min	309	309	\
Efficiency pressure Mpa	12.7	12.7	10.4
Relief valve Adjust pressure Mpa	16.0	16.0	13.0
Low speed roll up rotation r/min	41.7	41.7	43.0
Middle speed roll up rotation r/min	62.6	62.6	\
High speed roll up rotation r/min	125	125	\
Roll down limit rotation speed r/min	≤132	≤132	≤50
Rated load Static skid T(S)	≥20	≥20	≥20
Rated load Hoisting load T(TON)	4.35	4.35	4.35
Displacement L/r	6.741	6.741	3.304
Rated Pressure Mpa	14.7	14.7	14.7
Actual Torque at Rated pressure N·M	14700	14700	7350
Min.Speed r/min	4	4	4
Mechanical efficiency %	96	96	96

HVL-8134叶片马达 HVL series-8134 vane motor

HVL 系列叶片马达型号、控制器配置、输出方式、安装尺寸

HVL series Vane Motor Type, Controller Configuration, Output Type and Install Dimension



Motor type	HVL-A	HVL-A	HVL-A	HVL-S
Motor code	F2-8134	F2-8135	F2-8091	F2-8093
Motor	HVL-G-DSS	HVL-G-SS	HVL-G-DSS	HVL-S-SS
Output shaft type	High flow double output shaft (with flange)	High flow single output shaft	High flow double output shaft (with flange)	Single speed single output shaft
Controller configuration	DC-LA-GM	DC-LA-GM	DC-LA-GM	DC-LS-GM
Other descriptions	Three speed control with L Transition block	Three speed control with L Transition block	Three speed control without L Transition block	Single control bracket connection

HVL 系列叶片马达主要技术性能参数

HVL series Vane Motor Main Technical Data Sheet

Motor type	HVL-A	HVL-A	HVL-A	HVL-S
Motor Code	F2-8134	F2-8135	F2-8091	F2-8093
Rated Rotation r/min	35	35	41.3	27.4
Supply Oil L/min	387	387	456.0	309.0
Reference oil L/min	392	392	507	\
Efficiency pressure Mpa	11.9	11.9	13.4	12.5
Relief valve Adjust pressure Mpa	15	15	16.7	16.0
Low speed roll up rotation r/min	35	35	41.3	27.4
Middle speed roll up rotation r/min	52.5	52.5	62.0	\
High speed roll up rotation r/min	105	105	124	\
Roll down limit rotation speed r/min	≤111	≤111	≤131	≤30
Rated load Static skid T(S)	≥20	≥20	≥20	≥20
Rated load Hoisting load T(TON)	6.5	6.5	6.5	6.5
Displacement L/r	10.149	10.149	10.149	10.149
Rated Pressure Mpa	14.7	14.7	14.7	14.7
Actual Torque at Rated pressure N*M	22050	22050	22050	22050
Min. Speed r/min	4	4	4	4
Mechanical efficiency %	96	96	96	96



HVL-8135叶片马达
HVL series-8135 vane motor



HVL 系列叶片马达型号、控制器配置、输出方式、安装尺寸

HVL series Vane Motor Type, Controller Configuration, Output Type and Install Dimension

Motor type	HVL-A	HVL-A	HVL-A	HVL-S
Motor code	F2-8134	F2-8135	F2-8091	F2-8093
Motor	HVL-G-DSS	HVL-G-SS	HVL-G-DSS	HVL-S-SS
Output shaft type	High flow double output shaft (with flange)	High flow single output shaft	High flow double output shaft (with flange)	Single speed single output shaft
Controller configuration	DC-LA-GM	DC-LA-GM	DC-LA-GM	DC-LS-GM
Other descriptions	Three speed control with L Transition block	Three speed control with L Transition block	Three speed control without L Transition block	Single control bracket connection

HVL 系列叶片马达主要技术性能参数

HVL series Vane Motor Main Technical Data Sheet

马达形式	HVL-A	HVL-A	HVL-A	HVL-S
Motor Code	F2-8134	F2-8135	F2-8091	F2-8093
Rated Rotation r/min	35	35	41.3	27.4
Supply Oil L/min	387	387	456.0	309.0
Reference oil L/min	392	392	507	\
Efficiency pressure Mpa	11.9	11.9	13.4	12.5
Relief valve Adjust pressure Mpa	15	15	16.7	16.0
Low speed roll up rotation r/min	35	35	41.3	27.4
Middle speed roll up rotation r/min	52.5	52.5	62.0	\
High speed roll up rotation r/min	105	105	124	\
Roll down limit rotation speed r/min	≤111	≤111	≤131	≤30
Rated load Static skid T(S)	≥20	≥20	≥20	≥20
Rated load Hoisting load T(TON)	6.5	6.5	6.5	6.5
Displacement L/r	10.149	10.149	10.149	10.149
Rated Pressure Mpa	14.7	14.7	14.7	14.7
Actual Torque at Rated pressure N·M	22050	22050	22050	22050
Min Speed r/min	4	4	4	4
Mechanical efficiency %	96	96	96	96

HVL-8091叶片马达 HVL series-8091 vane motor



HVL 系列叶片马达型号、控制器配置、输出方式、安装尺寸

HVL series Vane Motor Type, Controller Configuration, Output Type and Install Dimension

Motor type	HVL-A	HVL-A	HVL-A	HVL-S
Motor code	F2-8134	F2-8135	F2-8091	F2-8093
Motor	HVL-G-DSS	HVL-G-SS	HVL-G-DSS	HVL-S-SS
Output shaft type	High flow double output shaft (with flange)	High flow single output shaft	High flow double output shaft (with flange)	Single speed single output shaft
Controller configuration	DC-LA-GM	DC-LA-GM	DC-LA-GM	DC-LS-GM
Other descriptions	Three speed control with L Transition block	Three speed control with L Transition block	Three speed control without L Transition block	Single control bracket connection

HVL 系列叶片马达主要技术性能参数

HVL series Vane Motor Main Technical Data Sheet

Motor type	HVL-A	HVL-A	HVL-A	HVL-S
Motor Code	F2-8134	F2-8135	F2-8091	F2-8093
Rated Rotation r/min	35	35	41.3	27.4
Supply Oil L/min	387	387	456.0	309.0
Reference oil L/min	392	392	507	\
Efficiency pressure Mpa	11.9	11.9	13.4	12.5
Relief valve Adjust pressure Mpa	15	15	16.7	16.0
Low speed roll up rotation r/min	35	35	41.3	27.4
Middle speed roll up rotation r/min	52.5	52.5	62.0	\
High speed roll up rotation r/min	105	105	124	\
Roll down limit rotation speed r/min	≤111	≤111	≤131	≤30
Rated load Static skid T(S)	≥20	≥20	≥20	≥20
Rated load Hoisting load T(TON)	6.5	6.5	6.5	6.5
Displacement L/r	10.149	10.149	10.149	10.149
Rated Pressure Mpa	14.7	14.7	14.7	14.7
Actual Torque at Rated pressure N·M	22050	22050	22050	22050
Min Speed r/min	4	4	4	4
Mechanical efficiency %	96	96	96	96



HVN-8223叶片马达

HVN series-8223 vane motor



HVN 系列叶片马达型号、控制器配置、输出方式、安装尺寸

HVN series Vane Motor Type, Controller Configuration, Output Type and Install Dimension

Motor type	HVN-S	HVN-S	HVN-D
Motor code	F2-8094	F2-8095	F2-8223
Motor	HVN-S-DS-(DC)	HVN-S-DS-(DC)	HVN-S-DS-(DC)
Output shaft type	Single speed double output shaft with double flange	Single speed double output shaft (with double flange)	Single speed double output shaft (with double flange)
Controller configuration	DC-ND-GM	DC-ND-GM	P-ND-GM-3RR
Other descriptions	single control bracket connection	single control bracket connection	Double control bracket connection Rotation speed change valve connect with motor

HVN 系列叶片马达主要技术性能参数

HVN series Vane Motor Main Technical Data Sheet

Motor type	HVN-S	HVN-S	HVN-D
Motor Code	F2-8094	F2-8095	F2-8223
Rated Rotation r/min	86.7	89.1	88.4
Supply Oil L/min	309.0	312.0	311.0
Reference oil L/min	\	\	\
Efficiency pressure Mpa	13.4	10.3	11.3
Relief valve Adjust pressure Mpa	16.7	13.0	14.0
Low speed roll up rotation r/min	86.7	89.1	88.4
Middle speed roll up rotation r/min	\	\	\
High speed roll up rotation r/min	\	\	178.6
Roll down limit rotation speed r/min	≤100	≤100	≤175
Rated load Static skid T(S)	≥15	≥15	≥15
Rated load Hoisting load T(TON)	2.10	2.1	2.1
Displacement L/r	3.304	3.304	3.304
Rated Pressure Mpa	14.7	14.7	14.7
Actual Torque at Rated pressure N·M	7350	7350	7350
Min.Speed r/min	4	4	4
Mechanical efficiency %	96	96	96

叶片马达系列零配件 (Vane Motor Spare Parts):



HVL定子
HVL Stator



HVK定子
HVK Stator



壳体
Housing



叶片
Vane



HVL壳体
HVL Housing



传动轴
Drive Shaft



摇臂横梁
Rocker Beam



推杆
Push Rod



弹簧
Spring



HVN定子
HVN Stator



平行销
Parallel Pin

叶片马达系列零配件 (Vane Motor Spare Parts):



前后定距环
Front-Rear Distance Ring



后法兰盘
Rear Flange



侧油封
side oil seal



HVL转子
HVL Rotor



J型圈+TCN油封
J Type Packing + TCN Oil Seal



P-NDA阀块壳体
P-NDA Valve Block



HVK传动轴
HVK Drive Shaft