



叶片马达
VANE
MOTORS

苏州铼洛威液压泵有限公司

SUZHOU RENOWELL HYDRAULIC PUMP CO.,LTD



公司简介 | COMPANY INFORMATION

苏州铨洛威液压泵有限公司，专业研发、生产、销售高端液压泵产品，公司位于历史久而美丽的现代化工业城市——苏州。距离上海浦东国际机场约2小时车程，距离无锡硕放机场45分钟车程，交通便利，地理位置优越。

公司主要产品：丹尼逊T6、T7系列叶片泵；威格士V、VQ系列，V10、V20系列叶片泵；东京计器SQP系列叶片泵；油研PV2R等系列液压叶片泵；PGH4、PGH5系列内啮合齿轮泵；高压柱塞泵及配件等。公司液压泵产品经国家权威部门检测，各项性能、技术指标均达到或优于国内外一流制造厂家的同类产品，可以互换、替代原装产品。噪音更低、容积效率更高、使用寿命更长及高性价比使我公司产品受到了国内外用户的一致好评，目前已销往五大洲三十多个国家和地区。

产品可广泛应用于工程机械、橡塑机械、农业机械、鞋革机械、压铸机械、冶金机械、矿山机械、金属切削机床、钣金设备、打包机械、船舶机械、港口机械、钻井设备以及其它各类液压系统。目前公司与国内知名企业中联重科，三一重工，徐工集团，海天塑机，沙钢集团皆有合作。

为进一步提高产品精度和性能，公司花巨资引进德国、美国、日本等先进加工设备和检测设备，目前拥有20余台全自动数控机床，专用数控磨床、数控双面研磨机、车床及全自动加工中心。公司聘请多名国内外液压界专家、教授为顾问，拥有独立技术研发中心。公司坚持技术创新，加大投资技术改造力度，不断增加产品品种及产品规格，增强产品的国际竞争力。目前公司有独立设计全方位测试间6间，公司产品出厂前进行全检并测试，合格后方可出厂，以保证产品质量和性能。

公司积极参加德国汉诺威工业博览会、德国慕尼黑工程机械展会、美国流体动力传动展、日本空压国际展览会、法国国际工程机械展和意大利米兰国际流体动力传动展会、法国国际工程机械展和意大利米兰国际流体动力传动展会、PTC亚洲国际流体动力传动展，BAUMA德国，BAUMA中国工程机械展等各类专业国际展览会，不断加强与国外企业的技术交流与合作，进一步提高技术创新，推广铨洛威品牌，为铨洛威成为国际知名品牌而不断努力！

企业经营理念：脚踏实地，稳步前进。

核心价值观：务实创新；合作共赢。

企业使命：专注于液压泵领域技术研发，产品创新和应用实践，为国内外客户提供一流的产品及一流的服务。

企业愿景：让铨洛威液压泵成为中国液压泵行业第一品牌，让铨洛威液压泵成为国际液压泵行业一流品牌。

期待您的合作！



Suzhou Renowell Hydraulic Pump Co., Ltd. specialize in research and development, production and sales of high-end hydraulic pump products. Our company is located in a long history and beautiful modern industrial city—Suzhou. It is about 2 hours drive from Shanghai Pudong International Airport and 45 minutes from Wuxi Shuofang Airport. The transportation is very convenient and location is very superior.

The main products of our company are: Denison T6, T7 series vane pumps; Vickers V, VQ series, V10, V20 series vane pumps; Tokimec SQP series vane pumps; Yuken PV2R series hydraulic vane pumps; PGH4, PGH5 series gear pumps; high pressure piston pumps and parts. After detected by the authoritative state department, the performance, technical indicators of our products have reached or exceeded the similar products made by the domestic and foreign top manufacturers, and can be interchangeable, instead of imported original products. Lower noise, higher volume efficiency, longer life and reasonable price make our products have been praised by all of our domestic and overseas customers, now our products have been exported to five continents more than 30 countries and regions.

Our products can be widely used in engineering machinery, rubber and plastics machinery, agricultural machinery, shoes machinery, casting machinery, metallurgical machinery, mining machinery, metal cutting machine tools, sheet metal equipment, packaging machinery, ship machinery, port machinery, drilling equipment and other various types of hydraulic system. At present, Renowell have cooperated with the famous domestic companies Zoomlion, Sany Heavy Industry, Xugong Group, Haitian Plastics Machinery and Shagang Group.

In order to make further more improvement of our product accuracy and performance, Renowell spent huge fund to import the most advanced processing equipment and testing equipment from Germany, USA, and Japan, now we have more than 20 sets of automatic CNC machine tools, special CNC grinding machine, CNC double-sided grinding machine, lathe and automatic Machining Centers. Renowell have hired several hydraulic industry experts and professors from domestic and foreign as our consultants, we have established an independent technology research and development center. Renowell insist on technological innovation, intensify investment in technical innovation, increasing product range and specifications, enhance the international competitiveness of our products constantly. At present, Renowell have 6 independent design testing rooms, all of our products are full inspected and tested before delivery in order to make sure all of our products are with good quality and performance, After qualified, then can be shipped out.

Renowell actively participated in the exhibitions of the Germany Hannover Messe, German Construction Machinery Exhibition, US Las Vegas Fluid Power Transmission Exhibition, Japan International Fluid Power Exhibition, France International Engineering Machinery Exhibition and the Milan International Fluid Power Transmission Exhibition, PTC Asia International Fluid Power Transmission Exhibition, BAUMA Germany, BAUMA China Construction Machinery Exhibition and other professional international exhibitions etc, we constantly strengthen the technical communications and cooperation with foreign and domestic enterprises, to make further more improvement at technological innovation and promote Renowell brand. Working hard continuously to let renowell become an international famous brand.

M4C/M4SC/M4D/M4SD/M4E/M4SE/M5BF系列叶片马达 Series Vane Motors



技术参数 Technical Data

型号 Series	规格 Flow code	排量 Volumetric displacement	比扭矩 Theoretical torque	100r/min 时的功率 Theoretical power at	最高压力 Max. pressure ¹			最高转速 Max. speed ¹								
					标准 Standard	S重载 系列 Severe duty	壳 体 Operating pressure range drain	额定压力 Rated pressure		低压 Low loaded condition						
								连续 Continuous	间歇 Instant	标准 Standard	S重载系列 Severe duty					
		mL/r	Nm/bar	KW/bar	bar	bar	bar	r/min	r/min	r/min	r/min					
M5BF	012	12.0	0.191	0.0020	320/290	—	3.5	3000		6000	—					
	018	18.0	0.286	0.0030												
	023	23.0	0.366	0.0038												
	028	28.0	0.446	0.0047												
	036	36.0	0.572	0.0060												
	045	45.0	0.716	0.0075	280/260					3000						
M4C M4C1 M4SC M4SC1	024	24.4	0.390	0.0040	175	230	3.5	2500	3600	4000 @ 35bar	4000 @ 35bar					
	027	28.2	0.450	0.0047												
	031	34.5	0.550	0.0058												
	043	46.5	0.740	0.0078		210										
	055	58.8	0.930	0.0098												
	067	71.1	1.130	0.0120												
	075	80.1	1.270	0.0130		175										
M4D M4D1 M4SD M4SD1	062	65.1	1.040	0.0110	175	230	3.5	2500	3000	4000 @ 35bar	4000 @ 35bar					
	074	76.8	1.220	0.0130												
	088	91.1	1.450	0.0150												
	102	105.5	1.680	0.0180		210										
	113	116.7	1.860	0.0200												
	128	132.4	2.110	0.0220												
	138	144.4	2.300	0.0240		175										
M4E M4E1 M4SE M4SE1	153	158.5	2.520	0.0260	175	190	3.5	2500	3000	4000 @ 35bar	4000 @ 35bar					
	185	191.6	3.050	0.0320		180										
	214	222.0	3.530	0.0370		175										

最低补油压力bar² Minimum Replenishment Pressure

型号 Series	转速 r/min, 油液粘度为32cst 时 Speed [r/min]– Oil viscosity=32cst				
	500	1000	2000	3000	3600
M5BF	1.4	1.7	2.7	4.2	6.0
M4C/M4SC	0.7	1.4	3.1	5.5	9.3
M4D/M4SD	0.7	1.4	3.1	5.5	9.3
M4E/M4SE	1.4	2.8	5.2	11.0	—

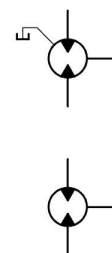
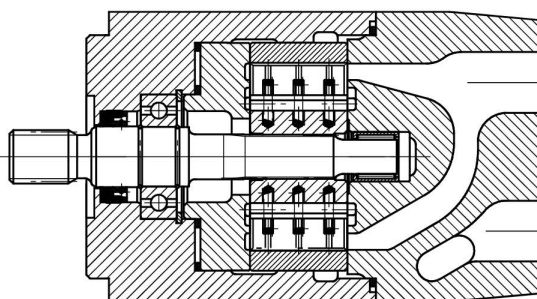
1、***/**/间歇/持续工作状态，对于石油基抗磨液压油。其他油液，请向公司咨询

2、对于石油基液压油，若为阻燃液压油，则应将原数值乘以1.5

1、***/**/ instant/continuous working condition, for petroleum-based anti-wear hydraulic oil. For other oils, please consult the company.

2、For petroleum-based hydraulic fluid, if it is flame retardant hydraulic fluid, the original value should be multiplied by 1.5 .

M4C/M4SC系列叶片马达 M4C/M4SC Series Vane Motors



型号说明 Model Designation

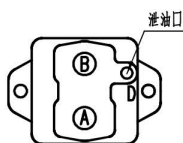
M4C	-055	-1	N	00	-A	1	02
系列号 Series	排量代号 Flow code	轴伸形式 Shaft type	旋转方向 Rotation	油口布置 Porting combination	设计号 Design letter	密封等级 Seal class	油口连接Port connections
M4C: 外泄 external drain M4SC: 重载外泄 severe duty and external drain M4C1: 内泄 internal drain M4SC1: 重载内泄 severe duty and internal drain	024、027、 031、043、 055、067、 075	1-SAE-B 平键轴 Keyed 2-非SAE 平键轴 non SAE Keyed 3-SAE-B 花键轴 Splined	N-双向 bi-directional 从马达的轴端看 View from shaft end 顺时针旋转 CW rotation A=进油口 input B=出油口 output 逆时针旋转 CCW rotation A=出油口 output B=进油口 input	00-标准 详见下图 00-standard See picture below	A	1- S1 丁腈橡胶 NBR Nitrile rubber 5- S5 氟橡胶 FKM Fluoro rubber	01-SAE 螺孔、SAE 泄油孔 SAE threaded port SAE drain 02-SAE 4孔法兰 UNC 螺纹、SAE 泄油孔 4 bolt flange UNC thread, SAE drain 04-SAE 4孔法兰 UNC 螺纹、BSPP 泄油孔 4 bolt flange UNC thread, BSPP drain M4-SAE 4 孔法兰公制螺纹、 BSPP 泄油孔 4 bolt flange metric thread BSPP drain

M4C1、M4SC1: 泄油口堵塞 Drain port is plugged

油口布置 Porting combination

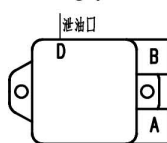
后端盖油 REAR PORT

00

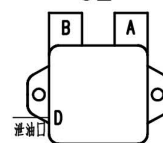


侧面油口 SADE PORT

01



02



工作特性

使用抗磨液压油，油液粘度24cst时

OPERATING CHARACTERISTICS - TYPICAL[24cst]

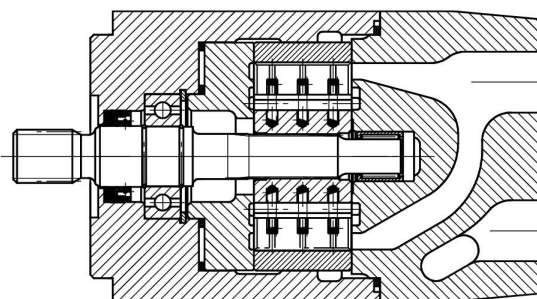
系列 Series	排量 Volumetric displacement Vi	输入流量 (转速2000r/min) Input flow at n		输出扭矩 (转速2000r/min) Torque T at n	输出功率 (转速2000r/min) Power output at n
		理论流量 Theoretical	压差175bar 时 At 175bar Δp	压差175bar 时 At 175bar Δp	压差175bar 时 At 175bar Δp
	mL/r	L/min	L/min	Nm	KW
M4C/M4SC024	24.4	49.0	67.0	60.5	12.7
M4C/M4SC027	28.2	56.0	74.0	70.0	14.7
M4C/M4SC031	34.5	69.0	87.0	86.8	18.0
M4C/M4SC043	46.5	93.0	110.0	120.0	25.1
M4C/M4SC055	58.8	118.0	136.0	149.0	31.2
M4C/M4SC067	71.1	142.0	160.0	170.0	35.6
M4C/M4SC075	80.1	160.0	178.0	198.0	41.5

重量/Weight: 15.4KG



M4D/M4SD系列叶片马达

M4D/M4SD Series Vane Motors

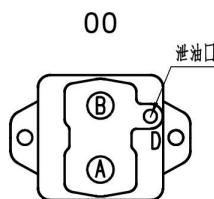


型号说明 Model Designation

M4D	-113	-3	N	00	-A	1	02
系列号 Series	排量代号 Flow code	轴伸形式 Shaft type	旋转方向 Rotation	油口布置 Porting combination	设计号 Design letter	密封等级 Seal class	油口连接 Port connections
M4D: 外泄 external drain M4SD: 重载外泄 severe duty and external drain M4D1: 内泄 internal drain M4SD1: 重载内泄 severe duty and internal drain	062、074、 088、102、 113、128、 138	1-SAE-C 平键轴 Keyed 3-SAE-C 花键轴 Splined	N-双向 bi-directional 从马达的轴端看 View from shaft end 顺时针旋转 CWrotation A=进油口 input B=出油口 output 逆时针旋转 CCWrotation A=出油口 output B=进油口 input	00-标准 详见下图 00-standard See picture below	A	1- S1 丁腈橡胶 NBR Nitrile rubber 5- S5 氟橡胶 FKM Fluoro rubber	01-SAE 螺孔、SAE 泄油孔 SAE threaded port SAE drain 02-SAE 4孔法兰 UNC 螺纹、SAE 泄油孔 4 bolt flange UNC thread, SAE drain 04-SAE 4孔法兰 UNC 螺纹、BSPP 泄油孔 4 bolt flange UNC thread, BSPP drain M4-SAE 4 孔法兰公制螺纹、 BSPP 泄油孔 4 bolt flange metric thread BSPP drain

M4D1、M4SD1: 泄油口堵塞 Drain port is plugged

油口布置 Porting combination



工作特性

使用抗磨液压油，油液粘度24cst时

OPERATING CHARACTERISTICS - TYPICAL[24cst]

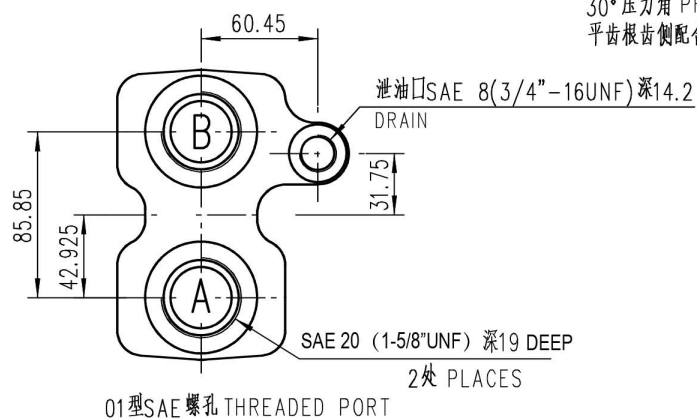
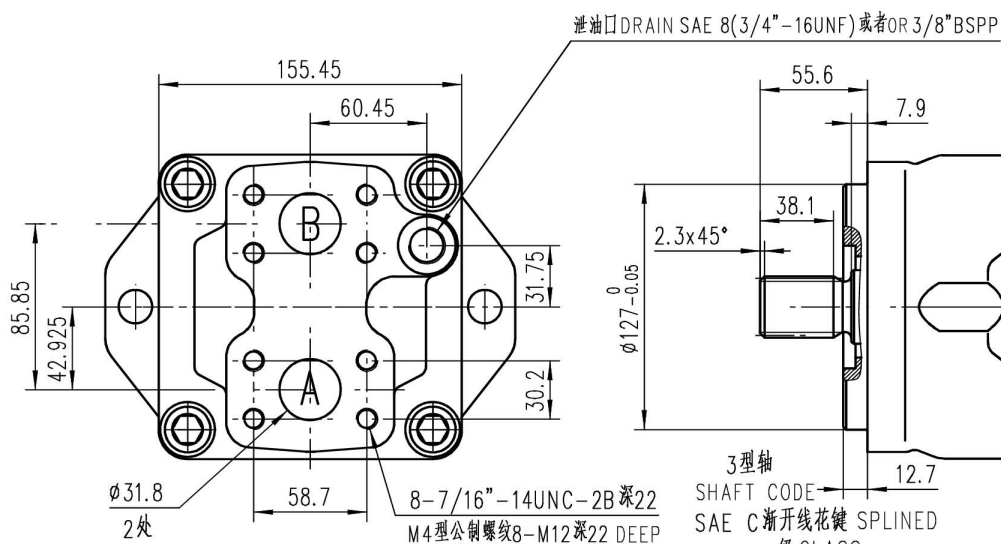
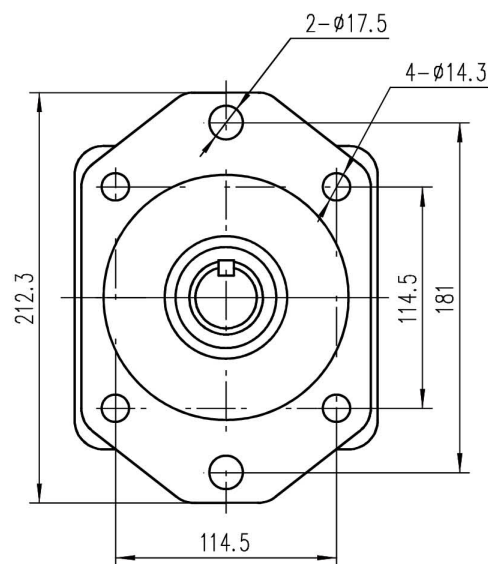
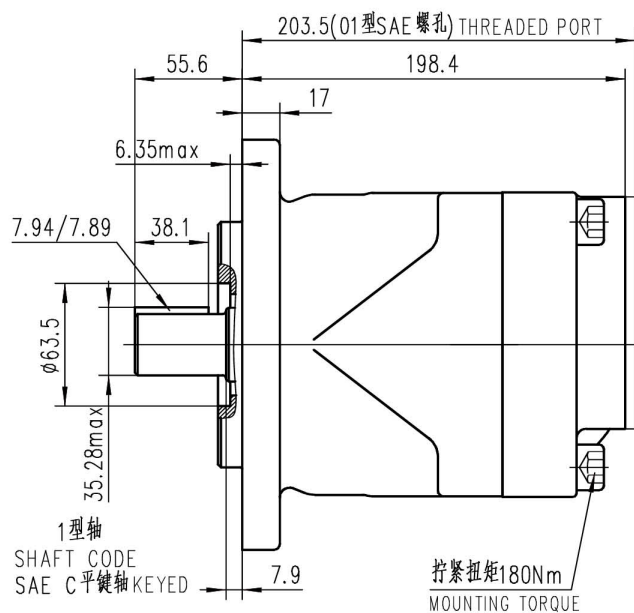
系列 Series	排量 Volumetric displacement Vi	输入流量 (转速2000r/min) Input flow at n		输出扭矩 (转速2000r/min) Torque T at n	输出功率 (转速2000r/min) Power output at n
		理论流量 Theoretical	压差175bar 时 At 175bar Δp	压差175bar 时 At 175bar Δp	压差175bar 时 At 175bar Δp
		mL/r	L/min	Nm	KW
M4D/M4SD 062	65.1	130.0	154.0	165.0	34.6
M4D/M4SD 074	76.8	154.0	178.0	200.0	41.9
M4D/M4SD 088	91.0	182.0	206.0	236.0	49.4
M4D/M4SD 102	105.5	211.0	241.0	264.0	55.3
M4D/M4SD 113	116.7	233.0	257.0	300.0	62.8
M4D/M4SD 128	132.4	265.0	289.0	340.0	71.2
M4D/M4SD 138	144.4	289.0	313.0	372.0	77.9

M4D/M4SD系列叶片马达 M4D/M4SD Series Vane Motors



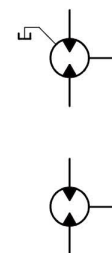
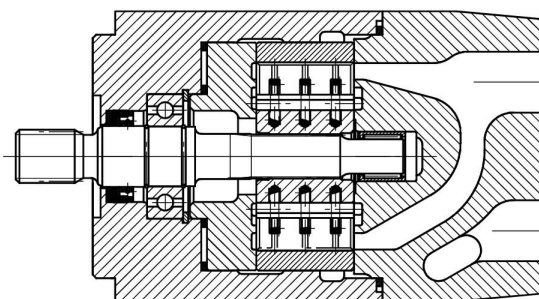
安装连接尺寸 Installation Dimensions

重量/Weight: 27.0KG



M4E/M4SE系列叶片马达

M4E/M4SE Series Vane Motors

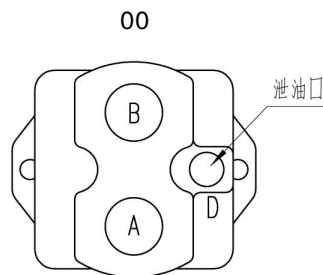


型号说明 Model Designation

M4E	-214	-3	N	00	-A	1	02
系列号 Series	排量代号 Flow code	轴伸形式 Shaft type	旋转方向 Rotation	油口布置 Porting combination	设计号 Design letter	密封等级 Seal class	油口连接 Port connections
M4E: 外泄 external drain M4SE: 重载外泄 severe duty and external drain M4E1: 内泄 internal drain M4SE1: 重载内泄 severe duty and internal drain	153、185、 214	1-SAE-C 平键轴 Keyed 3-SAE-C 花键轴 Splined	N-双向 bi-directional 从马达的轴端看 View from shaft end 顺时针旋转 CWrotation A=进油口 input B=出油口 output 逆时针旋转 CCWrotation A=出油口 output B=进油口 input	00-标准 详见下图 00-standard See picture below	A	1-S1 丁腈橡胶 NBR Nitrile rubber 5-S5 氟橡胶 FKM Fluoro rubber	01-SAE 螺孔、SAE 泄油孔 SAE threaded port SAE drain 02-SAE 4孔法兰 UNC 螺纹、SAE 泄油孔 4 bolt flange UNC thread, SAE drain 04-SAE 4孔法兰 UNC 螺纹、BSPP 泄油孔 4 bolt flange UNC thread, BSPP drain

M4E1、M4SE1: 泄油口堵塞 Drain port is plugged

油口布置 Porting combination



工作特性

使用抗磨液压油，油液粘度24cst时

OPERATING CHARACTERISTICS - TYPICAL[24cst]

系列 Series	排量 Volumetric displacement Vi	输入流量 (转速2000r/min) Input flow at n		输出扭矩 (转速2000r/min) Torque T at n	输出功率 (转速2000r/min) Power output at n
		理论流量 Theoretical	压差175bar 时 At 175bar Δp	压差175bar 时 At 175bar Δp	压差175bar 时 At 175bar Δp
		mL/r	L/min	Nm	KW
M4E/M4SE 153	158.5	317.0	343.0	398.0	83.4
M4E/M4SE 185	191.6	383.0	409.0	484.0	101.4
M4E/M4SE 214	222.0	444.0	470.0	567.0	188.8

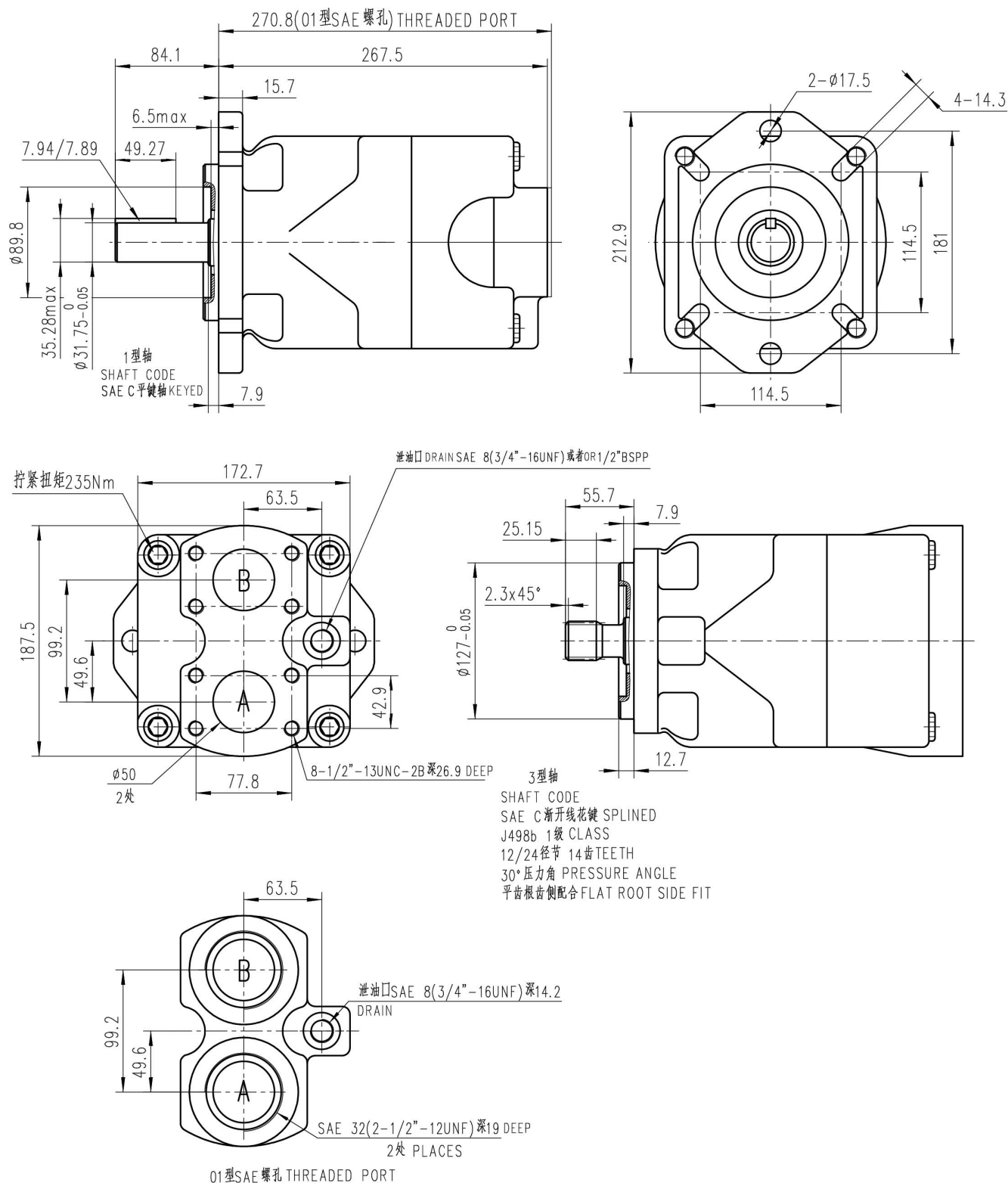
M4E/M4SE系列叶片马达

M4E/M4SE Series Vane Motors



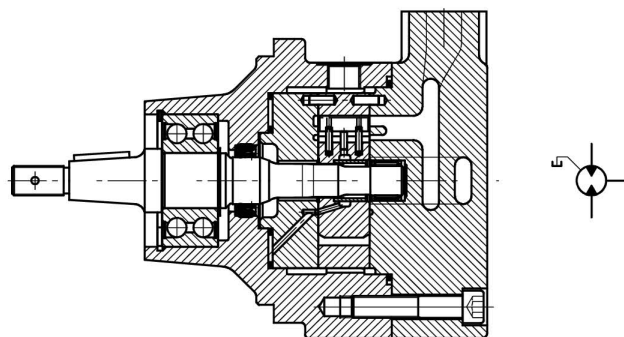
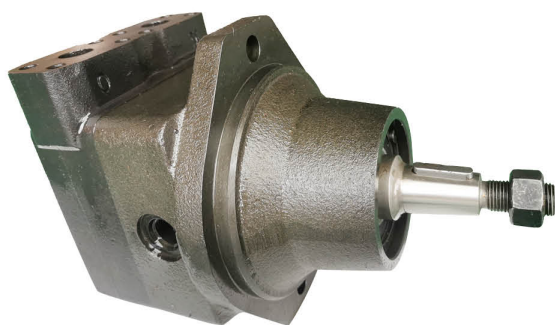
安装连接尺寸 Installation Dimensions

重量/Weight: 45.0KG



M5BF系列叶片马达

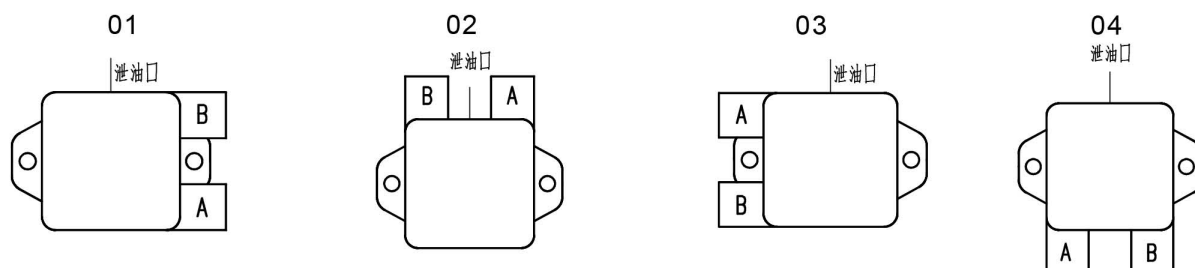
M5BF Series Vane Motors



型号说明 Model Designation

M5BF	-045	-1	N	04	-B	1	M3
系列号 Series	排量代号 Flow code	轴伸形式 Shaft type	旋转方向 Rotation	油口布置 Porting combination	设计号 Design letter	密封等级 Seal class	油口连接 Port connections
M5BF: 外泄 external drain	012、018、 023、028、 036、045	1-SAE-BB 锥形平键轴 keyed taper 2-SAE-C 平键轴 keyed W-ISO 平键轴 keyed	N-双向 bi-directional 从马达的轴端看 View from shaft end 顺时针旋转 CW rotation A=进油口 input B=出油口 output 逆时针旋转 CCW rotation A=出油口 output B=进油口 input	01、02、 03、04 详见下图 See picture below	B	1-S1 丁腈橡胶 NBR Nitrile rubber 5-S5 氟橡胶 FKM Fluoro rubber	02-SAE 4孔法兰 UNC 螺纹、SAE 泄油孔 4 bolt flange UNC thread, SAE drain M3-SAE 4孔法兰公制螺纹、 M18 × 1.5 泄油孔 4 bolt flange metric thread M18 × 1.5 drain

油口布置 Porting combination



工作特性

使用抗磨液压油，油液粘度24cst时

OPERATING CHARACTERISTICS - TYPICAL[24cst]

系列 Series	排量 Volumetric displacement Vi	输入流量 (转速2000r/min) Input flow at n		输出扭矩 (转速2000r/min) Torque T at n	输出功率 (转速2000r/min) Power output at n
		理论流量 Theoretical	压差320bar 时 At 320bar Δp	压差320bar 时 At 320bar Δp	压差320bar 时 At 320bar Δp
		mL/r	L/min	Nm	KW
M5BF 012	12.0	24.0	36.5	50.6	10.6
M5BF 018	18.0	36.0	48.5	81.2	17.0
M5BF 023	23.0	46.0	58.5	106.6	22.3
M5BF 028	28.0	56.0	68.5	132.1	27.7
M5BF 036	36.0	72.0	84.5	172.8	36.2
M5BF 045	45.0	90.0	102.5 ¹	190.0 ¹	39.8 ¹

1、045-最大间歇压差280bar The max instant differential pressure is 280bar.

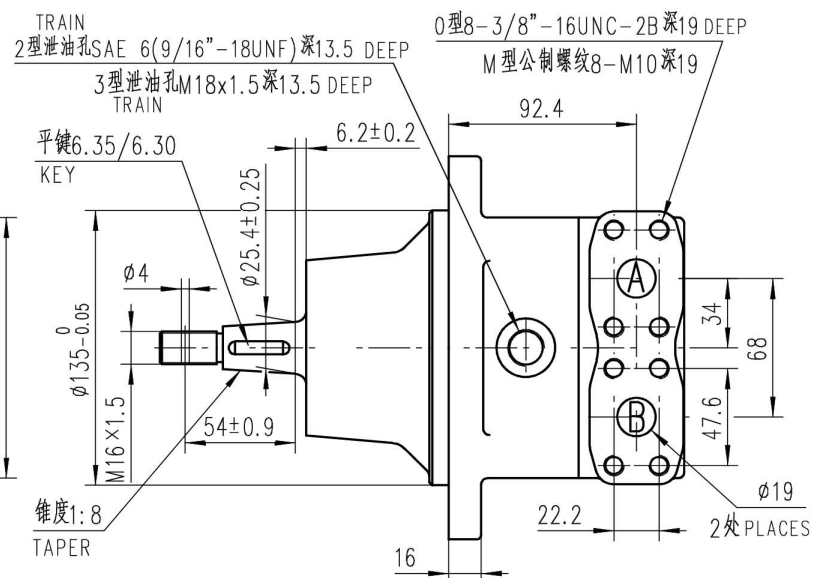
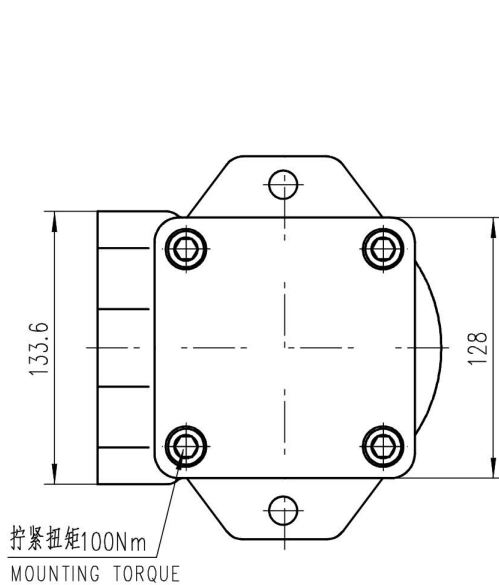
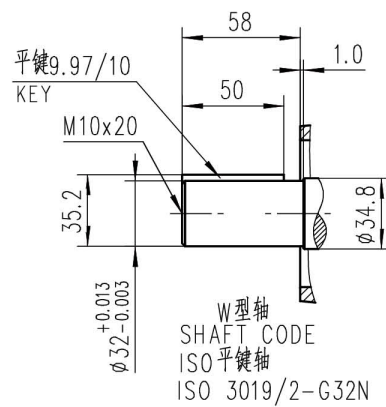
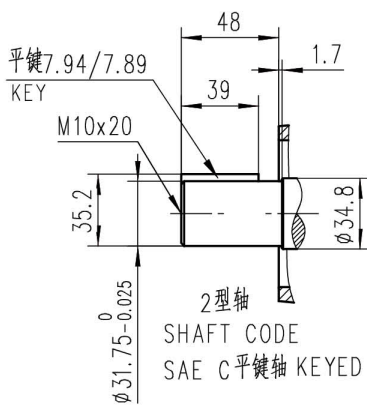
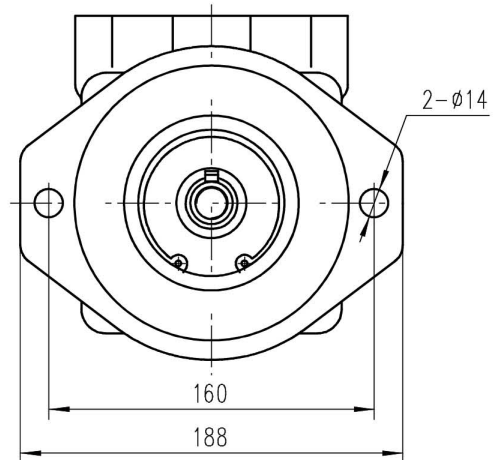
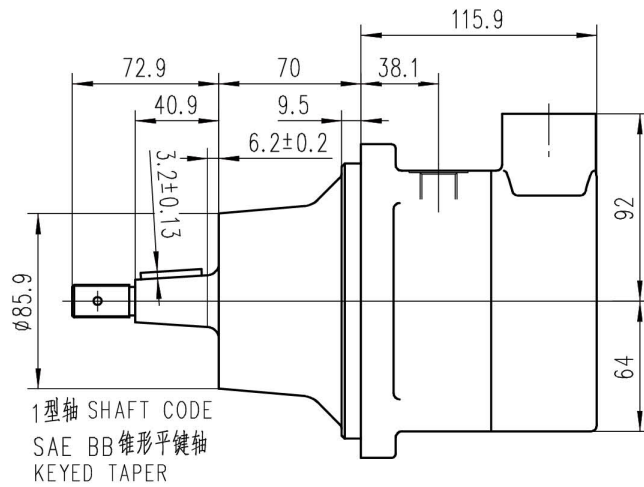
M5BF系列叶片马达

M5BF Series Vane Motors



安装连接尺寸 Installation Dimensions

重量/Weight: 18.5KG



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