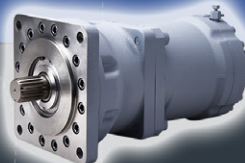


JIANGSU MASADA-MITSUBISHI HYDRAULICS



江苏政田 - 三菱液压

江苏政田重工股份有限公司
Jiangsu Masada Heavy Industries Co., Ltd.

这些产品是在日本三菱重工业机械系统株式会社的授权下生产的（授权详情请参阅第1-2页）。
These products are manufactured under license from Mitsubishi Heavy Industries Machinery Systems, Ltd.
(As for detail of the license, please see the page 1-2.)

COMPANY PROFILE

企业简介



始建于2005年的江苏政田重工股份有限公司,位于中国江苏省南通市崇川区,占地面积22.3万平方米,总投资12亿元,主要生产船用起重机、锚绞机,舵机,增压器,液压马达,液压泵以及海洋工程设备等产品。江苏政田重工股份有限公司是三菱重工机械系统在中国唯一授权生产船用起重机(克令吊)、锚绞机、油管吊、液压马达、液压泵及三菱重工船舶机械设备株式会社在中国唯一授权生产舵机等船舶设备的中外合资企业,是中国能够整体打包提供船舶甲板配套设备的专业公司。

公司全面引进三菱重工先进技术和精益生产管理模式,建立健全了较稳定的运营体系和质量管理体系,目前公司拥有研发人员164人,授权有效专利54件。从事船舶甲板机械制造20年来,已与全球50多家大型造船企业和著名船东建立了良好的合作关系。

Founded in 2005, Jiangsu Masada Heavy Industries Co., Ltd. is located in Chongchuan district, Nantong City, Jiangsu Province, China. It covers an area of 223,000 square meters with a total investment exceeding 1.2 billion yuan. Jiangsu Masada mainly manufactures deck cranes, deck machinery, steering gear, Turbochargers, hydraulic motors, and pumps, as well as offshore engineering equipment. As the sole licensee in China, Masada produces MITSUBISHI HEAVY INDUSTRIES MACHINERY SYSTEMS products, including deck cranes, deck machineries, hose handling cranes, hydraulic motors, and hydraulic pumps. And MASADA is the sole licensee of MITSUBISHI HEAVY INDUSTRIES MARINE MACHINERY AND EQUIPMENT CO.LTD. to manufacture steering gear, which is a specialized server company that can provide the whole package of deck equipment.

Jiangsu Masada has followed the advanced technology and manufacturing management that come from MHI. At present, the company has 164 R&D and 54 authorized valid patents. Engaged in ship deck machinery manufacturing for 20 years, Masada has established good cooperative relations with more than 50 large shipbuilding enterprises and famous shipowners all over the world.

QUALITY MANAGEMENT

品质管理

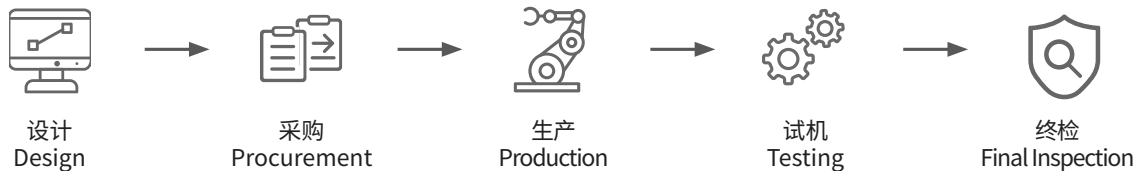
江苏政田在三菱重工机械系统全面技术支持下，对江苏政田 - 三菱液压马达、液压泵的设计、生产和质量控制进行品质管理。

Jiangsu Masada, fully supported by MITSUBISHI HEAVY INDUSTRIES MACHINERY SYSTEMS, has established quality management system to control the quality in design and production of Masada-Mitsubishi hydraulic motors and pumps.



三菱重工机械系统全面支持政田 QA 体系
Masada QA system fully supported by MITSUBISHI HEAVY INDUSTRIES MACHINERY SYSTEMS

政田 QA 系统



MASADA QA SYSTEM

每日质量会议
Daily meeting

三菱重工机械系统现场指导
Instruction by MITSUBISHI HEAVY INDUSTRIES MACHINERY SYSTEMS

月跟进会议
Monthly follow-up meeting



- 追求更好的品质，对于永久周期改善是非常重要的。
- 根据 PDCA (计划 - 做 - 检查 - 行动) 开展每日例会，工厂指导，每月跟进会议。
- For the better quality, permanent cycle of improvement is very important.
- Daily meeting, instruction at factory, monthly follow-up meeting are held as PDCA (Plan-Do-Check-Action) activity.

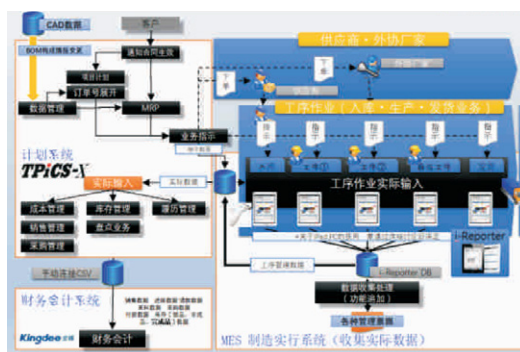
LATEST TECHNOLOGY AND NEW FACTORY 最新技术和新工厂

新工厂于2020年完工。新工厂基于三菱重工机械系统经验和专有技术下设计并布置,并采用最新技术。在此新工厂,我们将高效率生产最好的产品。

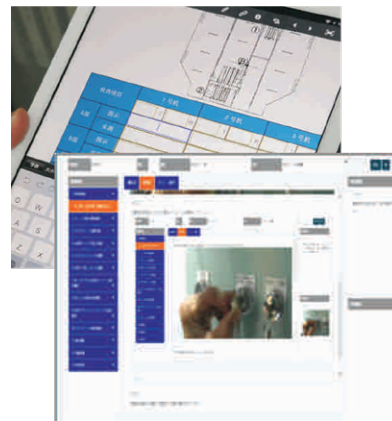
New factory completed in 2020. This new factory is planned and arranged based on experience & know-how of MITSUBISHI HEAVY INDUSTRIES MACHINERY SYSTEMS, and latest technologies are applied. With this new factory, we will manufacture best production with superior efficiency.



- 为了追求更好更稳定的品质,引进了新数字化设施。
- For the better and stable quality, new digital devices are introduced.



流程管理 PROCESS MANAGEMENT



检查表 / 手册 CHECKLIST/ MANUAL

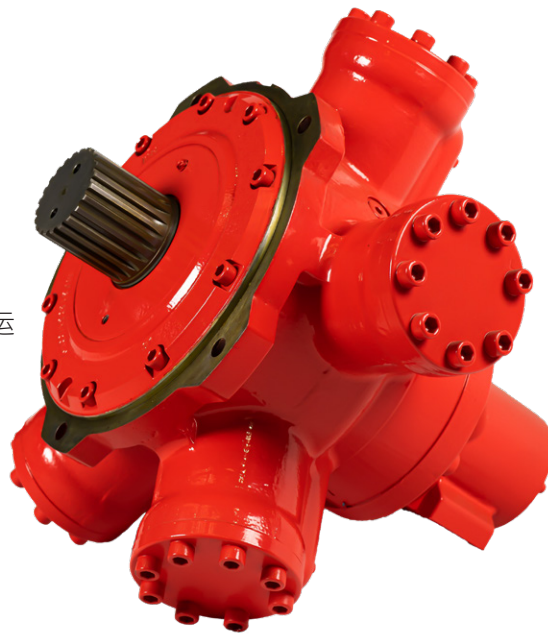
- PLM 系统、生产管理系统、仓储管理系统、无纸化办公系统
- PLM system, production management system, warehouse management system, paperless office system

RMM 低速大扭矩马达

Low speed high torque motor

特点

- 小型化且构造简单。
- 彻底减低各项损失，实现高效率，帮助节能。
- 拥有超高的起动能力。
- 双速马达，和专用阀相组合之后，可进行低速 / 高扭矩运转及高速 / 定扭矩运转。
- 专用阀中包含了手动切换阀·无极变速阀。
- 可以承受 24.5MPa 的连续运转，拥有极高的可靠性。
- 泄放路的耐压可以达到 1.0MPa，使用高压型油封。
- 转动轴可以承受高负重的构造设计。



FEATURES

- Miniaturization and simple construction.
- Save energy by thoroughly reducing various losses and realizing high efficiency.
- High starting capacity.
- Because it is a two speed motor, it can run at low speed / high torque and at high speed / constant torque when combined with special service valve.
- The special service valve includes manual valve and continuous| variable valve.
- It can withstand 24.5mpa continuous operation and has high reliability.
- The pressure resistance of drain oil line can reach 1.0MPa with high pressure oil seal.
- The rotating shaft can bear high load structure design.

JIANGSU MASADA-MITSUBISHI HYDRAULICS RM 马达引进日本三菱重工机械系统全套技术、工艺和生产质量过程控制，是在提高了低速高扭矩马达所要求的基本性能、滑动特性及寿命的基础上，实现小型轻量化之后的产品。

RM马达是采用径向柱塞设计，满足了在转速范围内有较高输出扭矩的要求，在低转速时能达到极高的输出扭矩。其中，变量马达是通过改变凸轮的偏心程度来改变柱塞的工作行程而达到变量的效果。

JIANGSU MASADA-MITSUBISHI HYDRAULICS RM motor introduces MITSUBISHI HEAVY INDUSTRIES MACHINERY SYSTEMS complete technology, procedure and production quality process control, it is a small lightweight product based on improving the basic performance, sliding characteristics and life-time required by low-speed high torque motor. It has a good design of radial piston, which can meets the requirement of high output torque within the speed range and high output torque at low speed. Multiple displacement motor can change the working stroke of piston by changing the eccentric distance of cam to achieve variable effect.

型式 MODEL

RM

M

315

B

20

R

11

0

D

P

/

设计编号 Design code

变量Multiple disp.

排量3150cc Displacement

系列:A和B Series:A and B

2.0倍速 Speed ratio

1.5/2.0/2.5/3.0/3.3/4.0/5.0

组立方式Assembly type

R组立、L组立Assembly R、Assembly L

轴端连接方式Connection type of shaft

P-无级变速阀 Power constant valve

H-手动阀 Manual valve

D-无泄放型(1.0Mpa) No drain type

N-泄放型(0.1Mpa) Drainable type

配管型式 Pipe match type

0- 标准 :R,L 同向 Standard: R and L are In the same direction

Y- 特殊: R,L 相对方向 Special: R is opposite to L

变量马达技术参数 SPECIFICATIONS (Multiple Displacement)

型号 Model	排量 Displacement (cc/rev)		工作压力 Pressure (Mpa)		最高输出扭矩 Torque (N.m)		转速 Speed (r /min)			
	大排量 High	小排量 Low	额定 Rated	最大 Max.	大排量 High	小排量 Low	大排量 (High)		at20.6Mpa	at24.5Mpa
							at20.6Mpa	at24.5Mpa		
RMM-075	745	496	20.6	24.5	2619	1749	5-400	5-200	10-500	10-250
		373				1312				
		247				790				
RMM-150	1531	1018			5494	3652	3-300	5-150	10-380	10-190
		762				2763				
		510				1600				
RMM-315	3138	1597			11420	5490	3-175	5-100	5-260	10-130
		1253				4570				
		1049				3800				
		939				3460				
RMM-440	4393	2930			15800	10170	3-125	5-75	5-185	10-100
		2194				7380				
		1468				4690				

回转方向 ROTATE DIRECTION

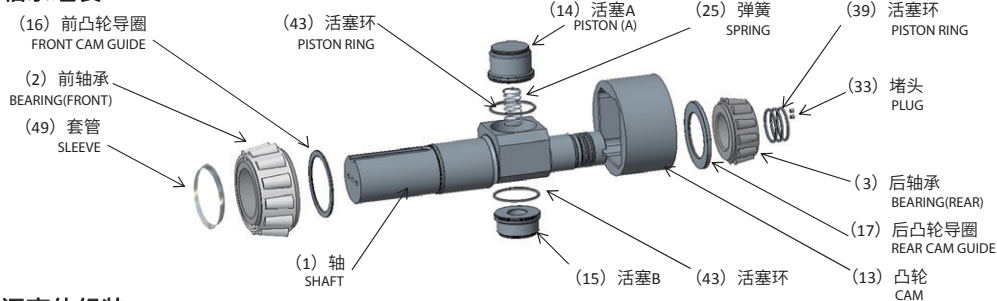
从主轴端看 SHAFT END VIEW		进油口 INLET	出油口 OUTLET
L 组立 ASSEMBLY	左回转 C.C.W	R	L
	右回转 C.W	L	R
R 组立 ASSEMBLY	左回转 C.C.W	L	R
	右回转 C.W	R	L

可选配置 OPTION

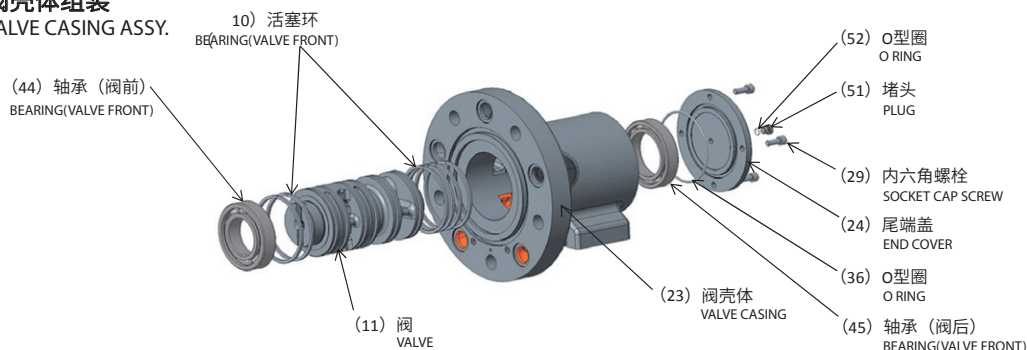
轴端连接型式 Connection Type Of Shaft	可选阀组 The Valve Options	高压油封 High Pressure Oil Seal
31- 花键 11- 平键 22- 斜轴平键	P- 无级变速阀 H- 手动切换低	N-0.1Mpa D-1.0Mpa
31- Spline 11- Key 22- Taper Key	Power Constant Valve Hand Valve	

RMM-315B 马达展开图

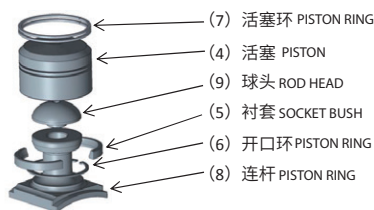
1. 轴系组装 SHAFT ASSY.



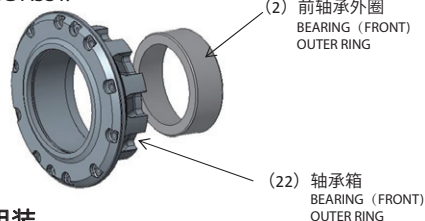
2. 阀壳体组装 VALVE CASING ASSY.



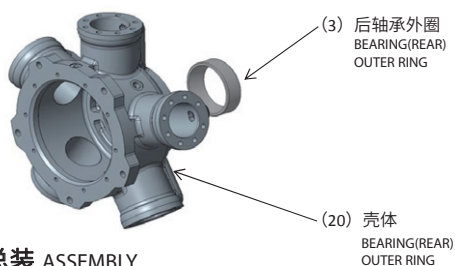
3. 活塞系组装 PISTON ASSY.



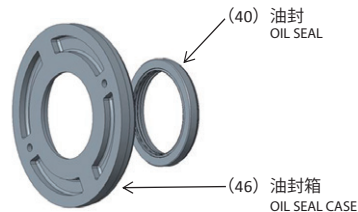
4. 轴承箱组装 BEARING ASSY.



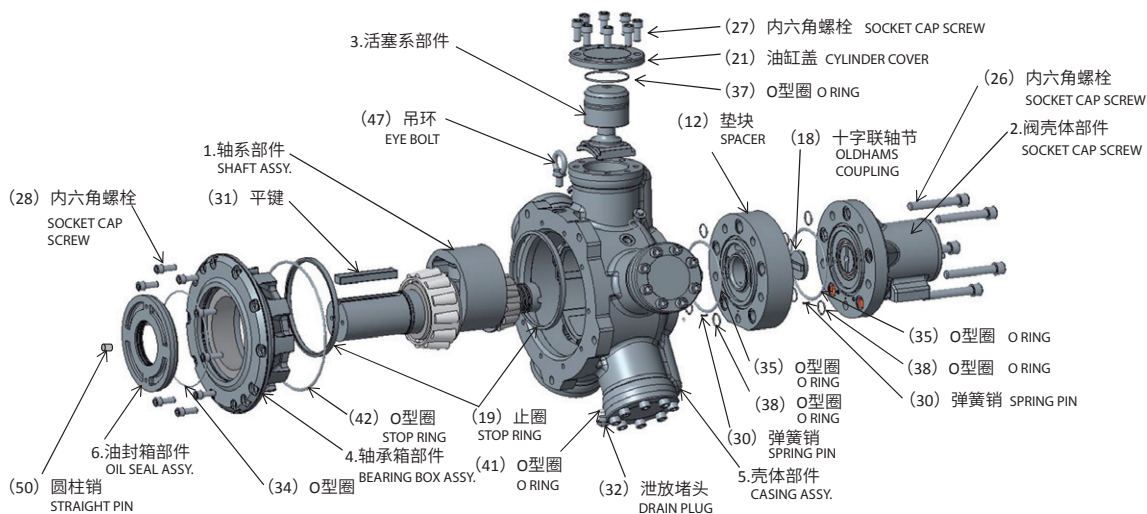
5. 壳体组装 CASING ASSY.



6. 油封组装 OIL SEAL ASSY.

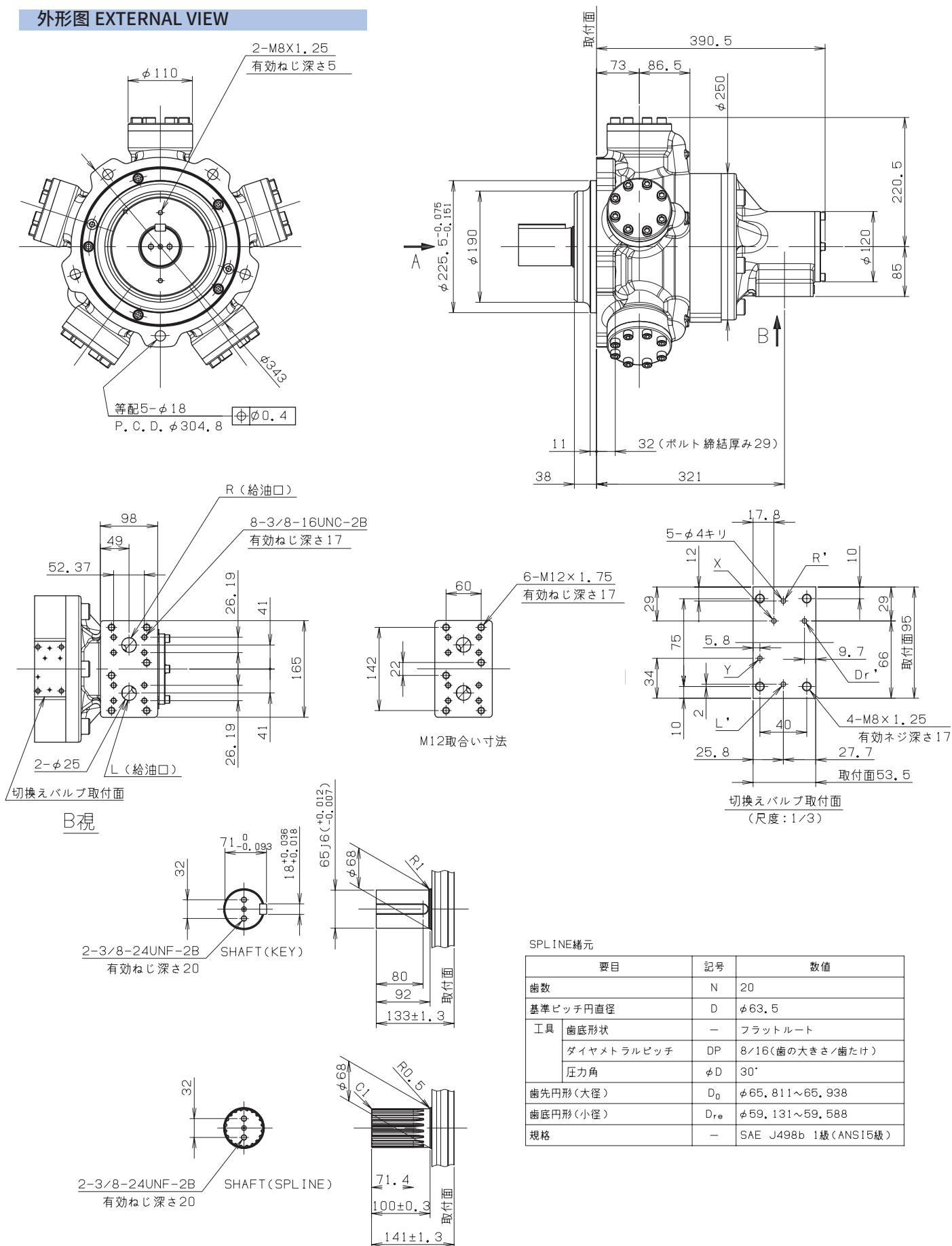


7. 总装 ASSEMBLY



RMM-075B

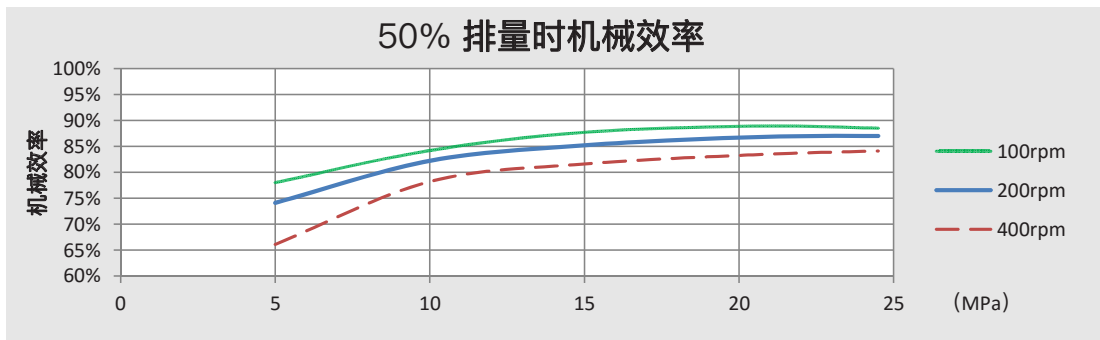
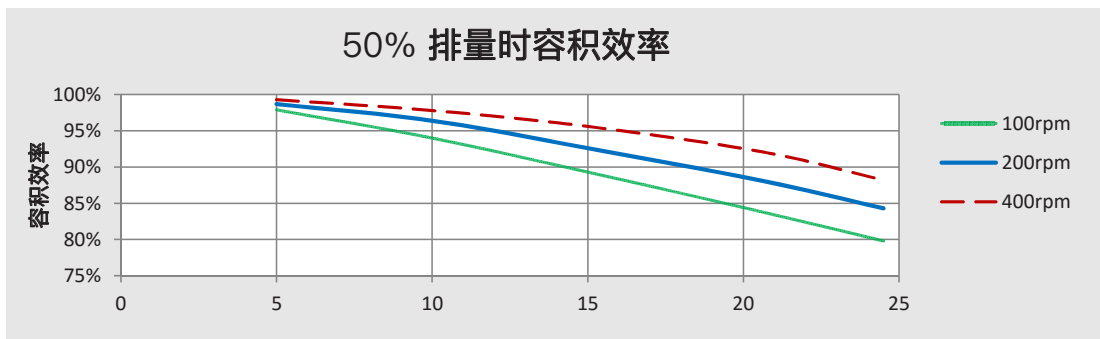
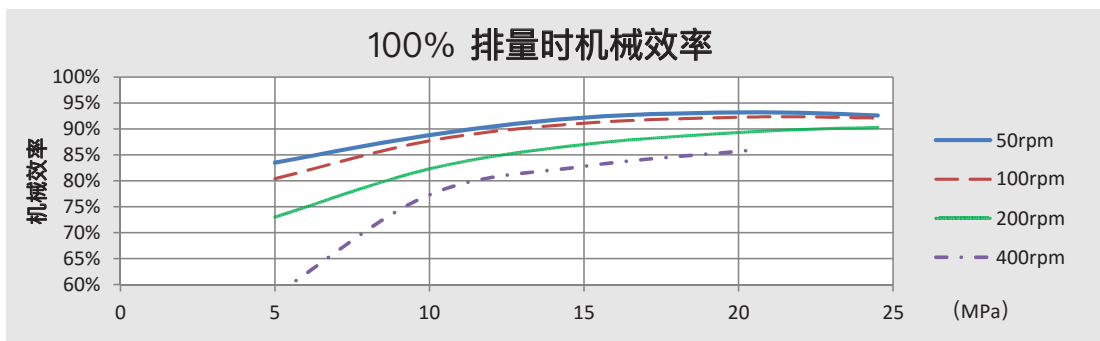
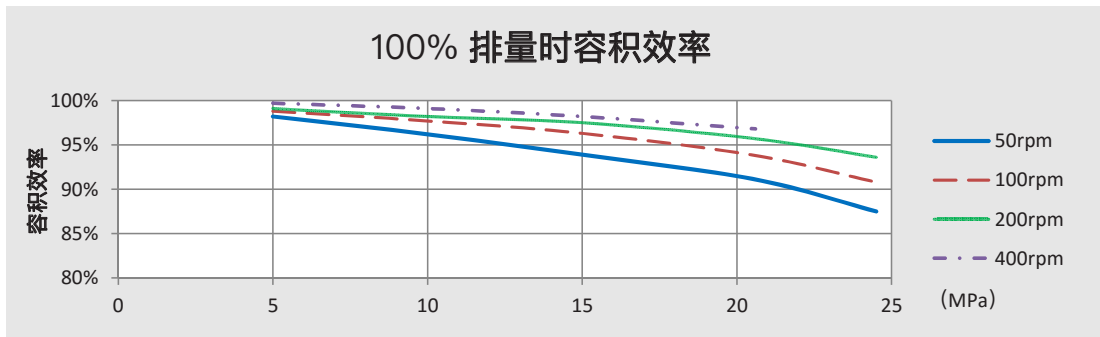
外形图 EXTERNAL VIEW



SPLINE緒元

要目	記号	数値
歯数	N	20
基準ピッチ円直径	D	$\phi 63.5$
工具	歯底形状	— フラットルート
	ダイヤメトラルピッチ	DP $8/16$ (歯の大きさ/歯たけ)
	圧力角	ϕD 30°
歯先円形(大径)	D_0	$\phi 65.811 \sim 65.938$
歯底円形(小径)	D_{re}	$\phi 59.131 \sim 59.588$
規格	—	SAE J498b 1級 (ANSI5級)

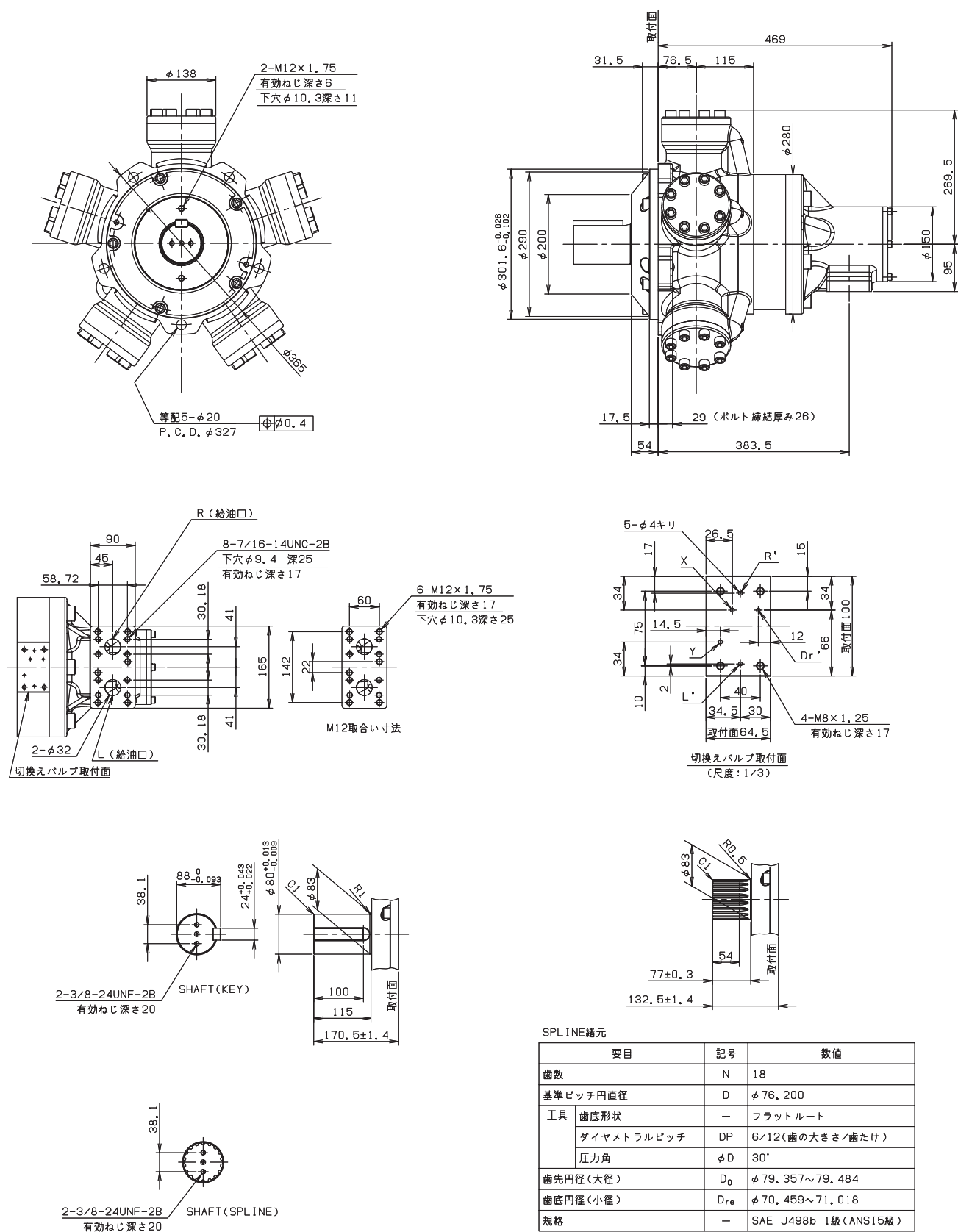
RMM-075B-20 马达效率曲线



※ 必以上数据为理论值，具体以实际实验数据为准。

RMM-150B

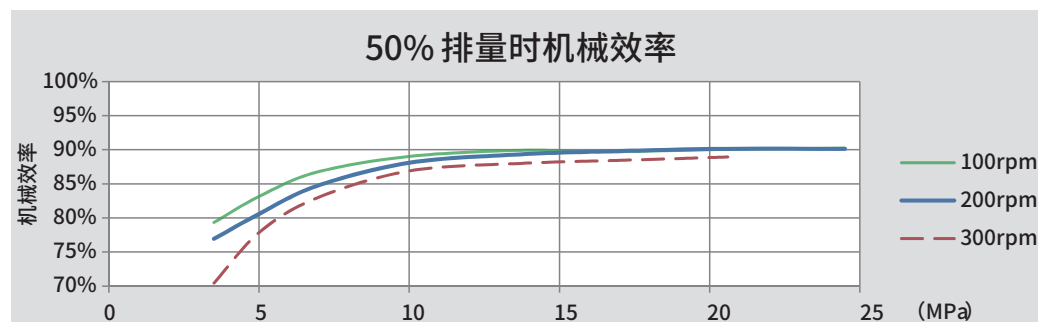
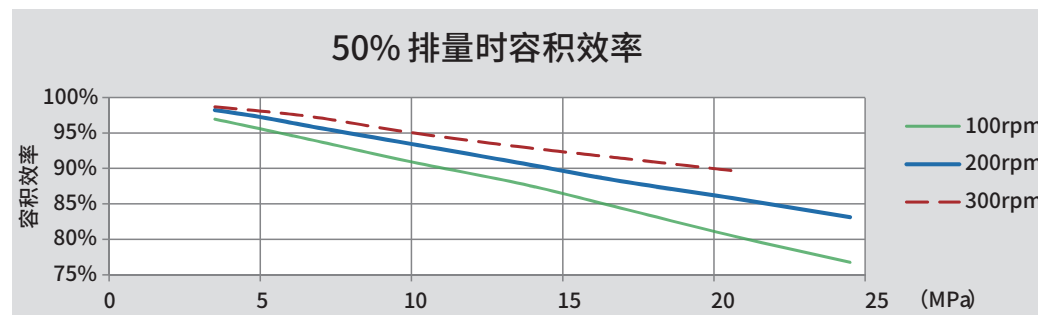
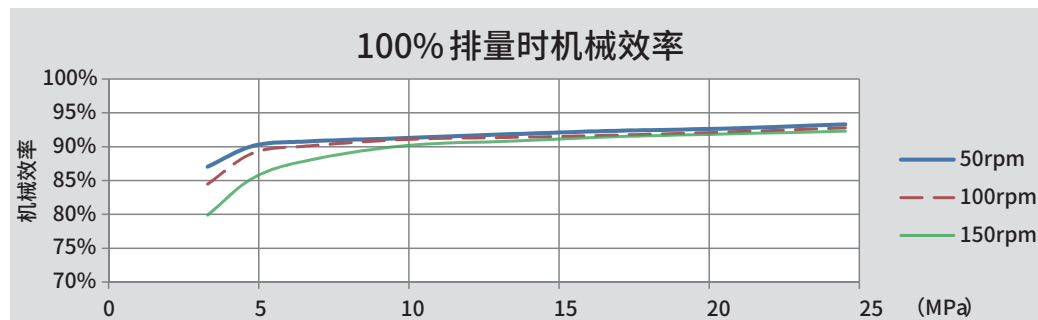
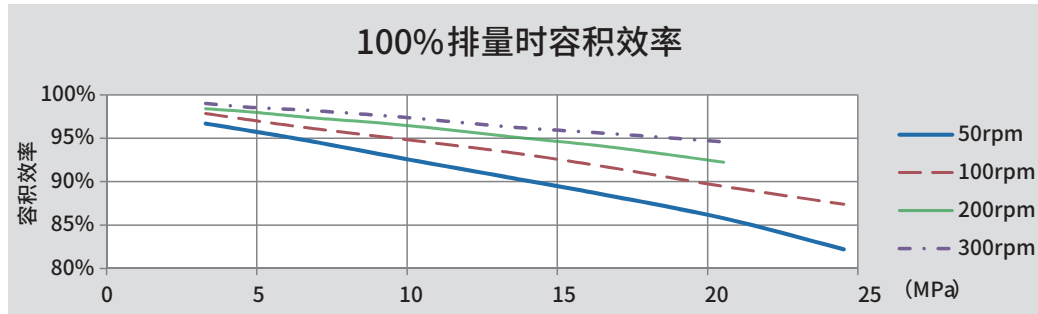
外形图 EXTERNAL VIEW



SPLINE緒元

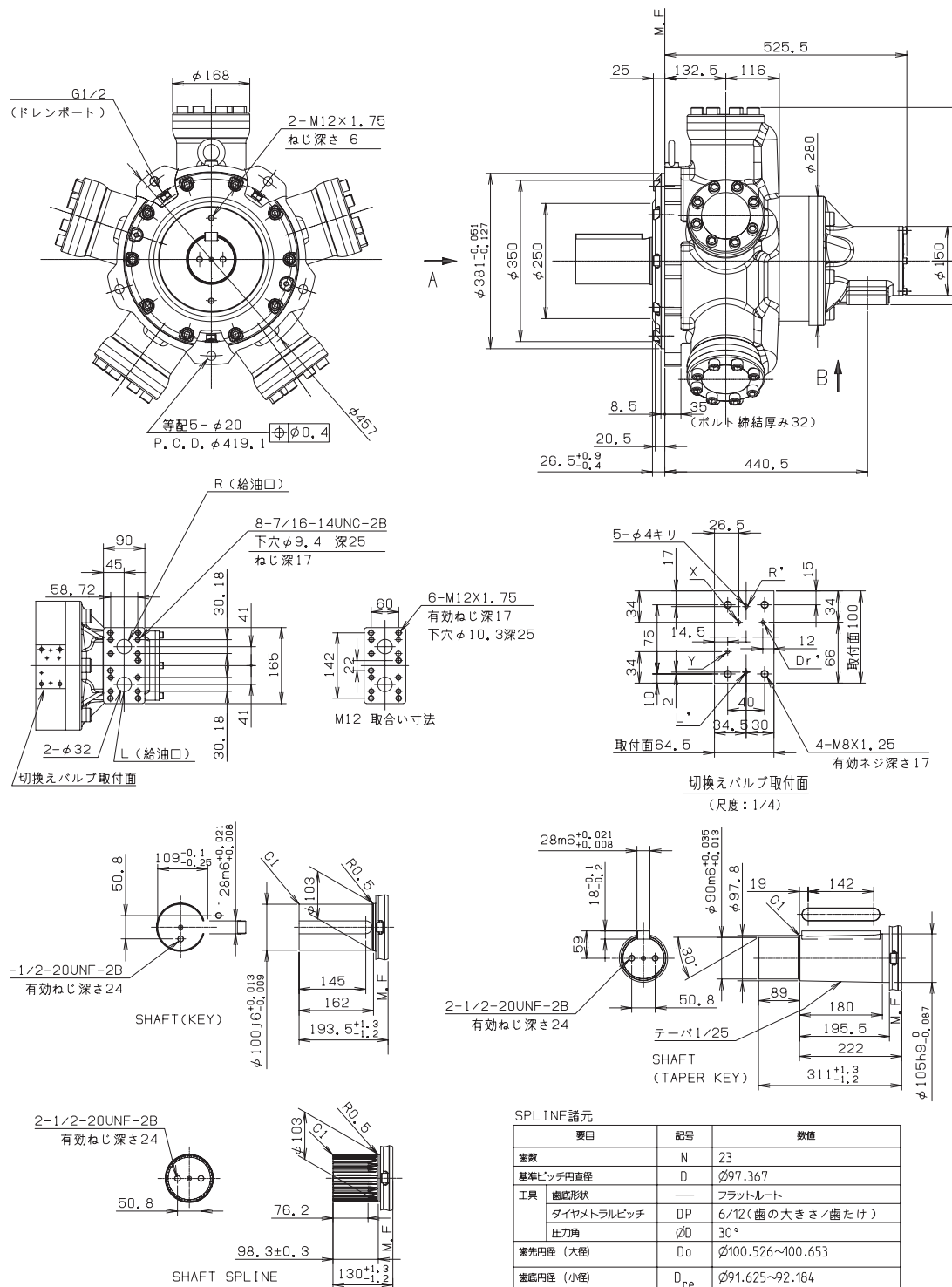
要目	記号	数値
歯数	N	18
基準ピッチ円直径	D	$\phi 76.200$
工具		
歯底形状	—	フラットルート
ダイヤメトラルピッチ	DP	6/12(歯の大きさ/歯たけ)
圧力角	ϕD	30°
歯先円径(大径)	D ₀	$\phi 79.357 \sim 79.484$
歯底円径(小径)	D _{re}	$\phi 70.459 \sim 71.018$
規格	—	SAE J498b 1級 (ANSI5級)

RMM-150B-20 马达效率曲线

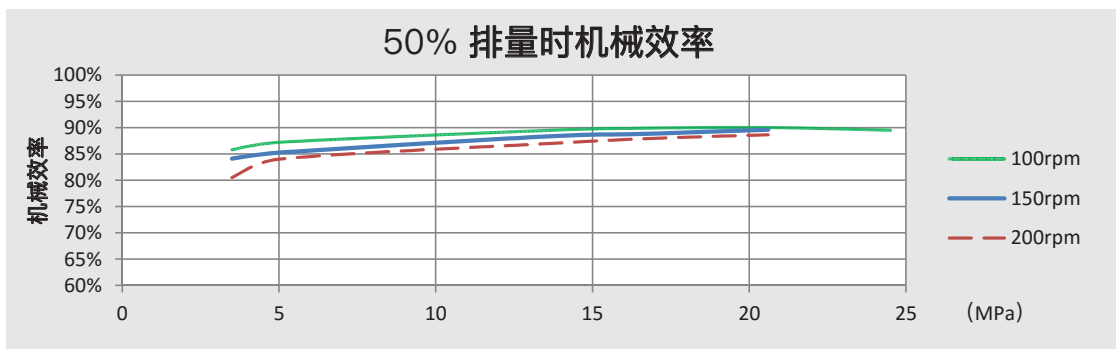
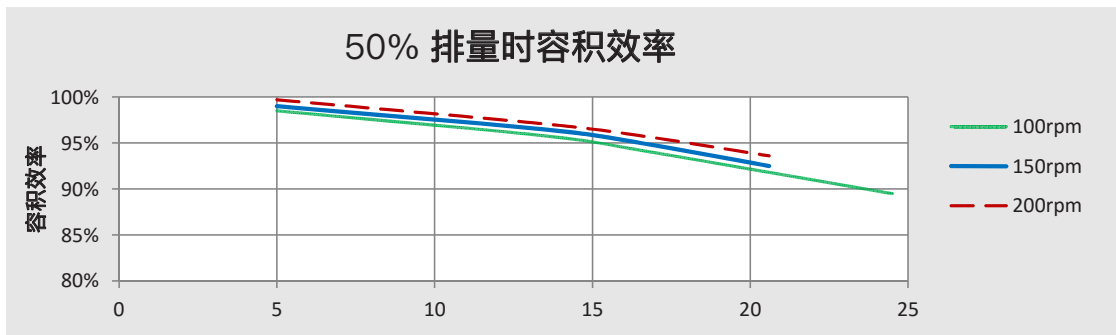
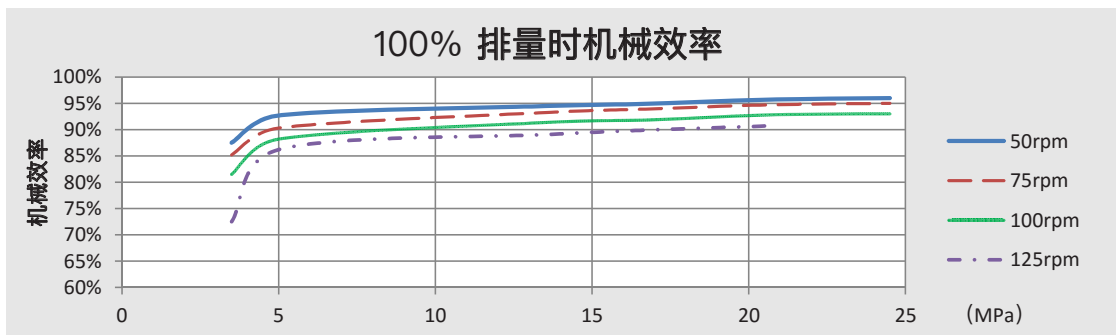
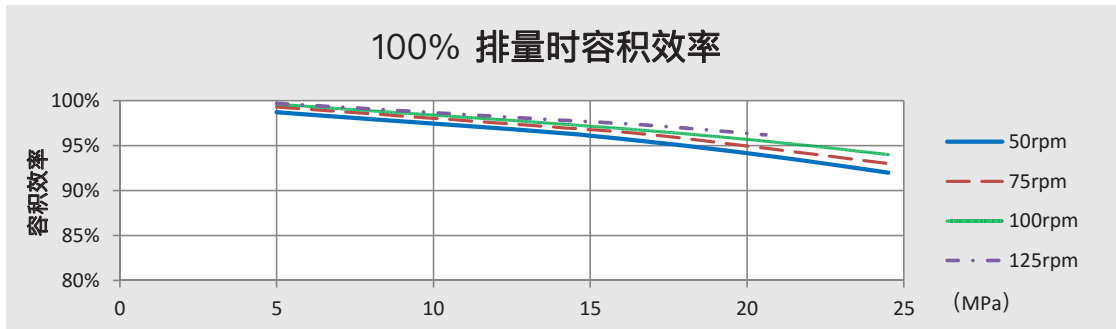


RMM-315B

外形图 EXTERNAL VIEW

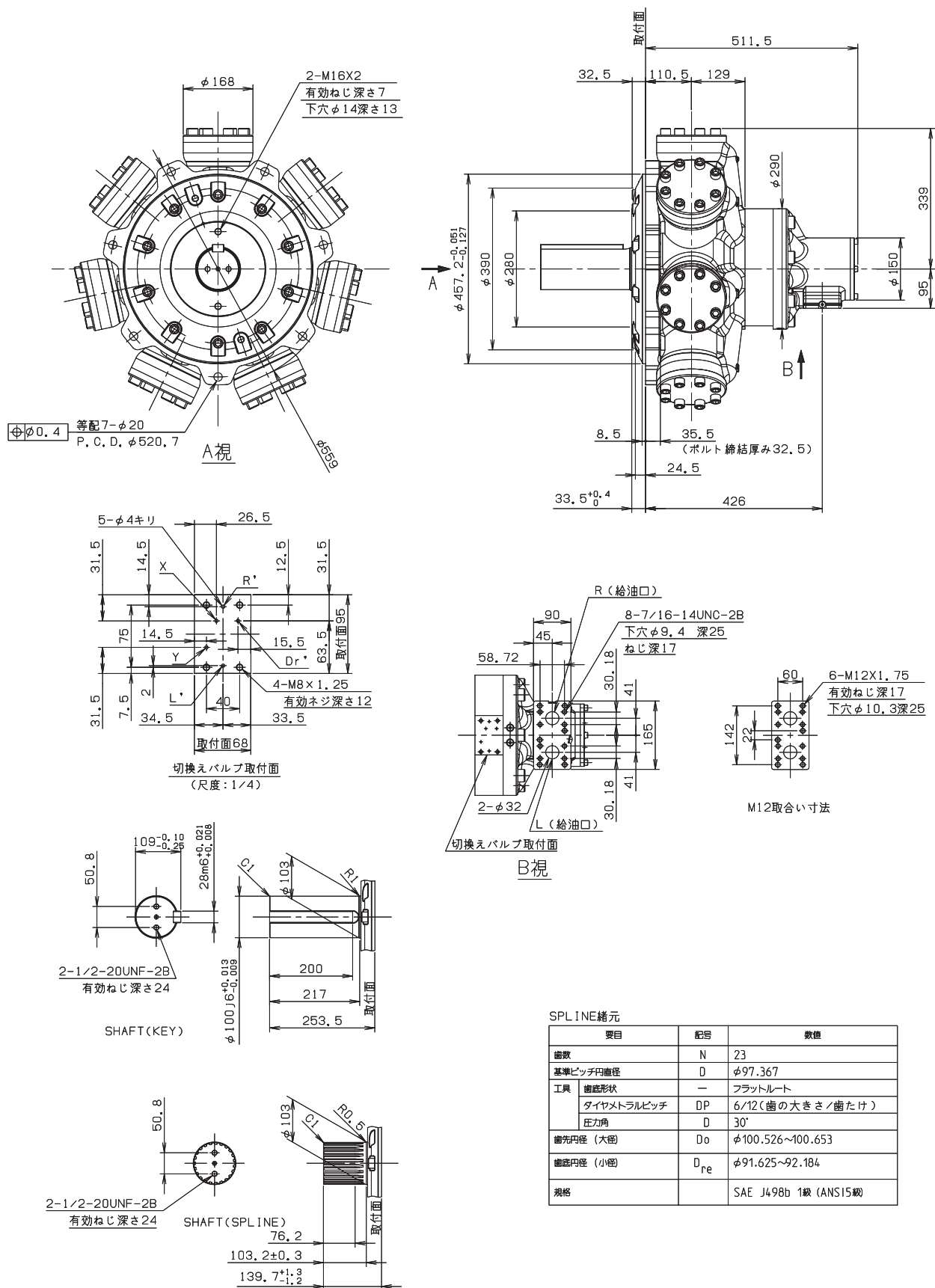


RMM-315B-20 马达效率曲线



RMM-440B

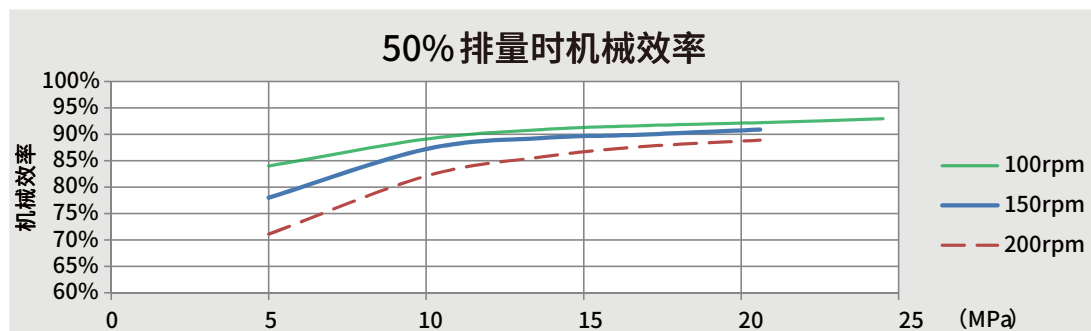
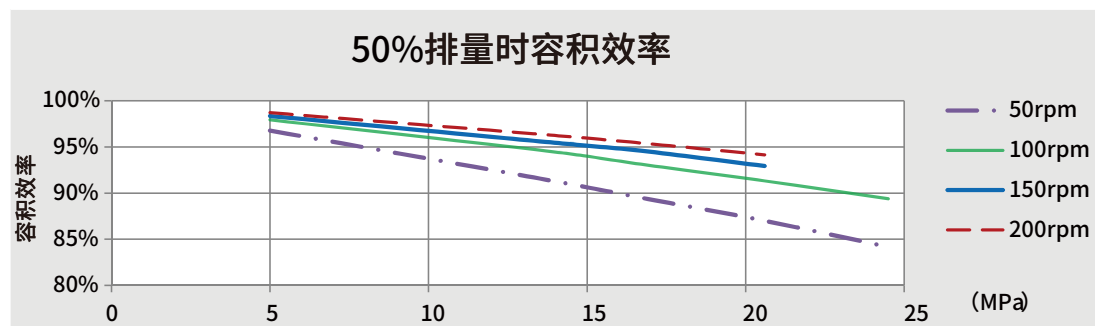
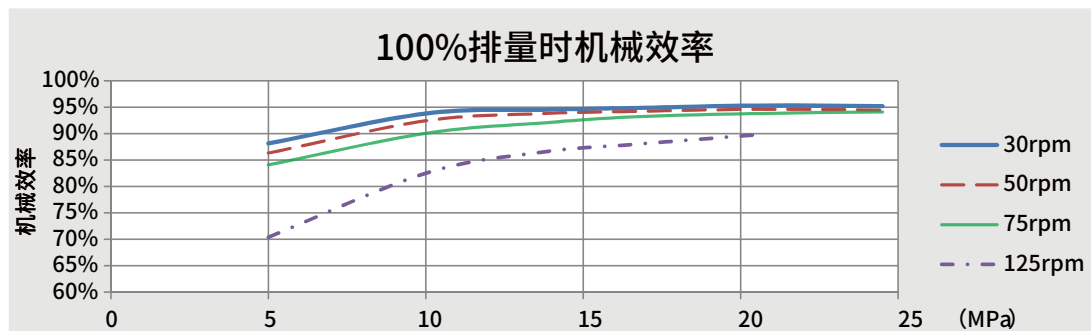
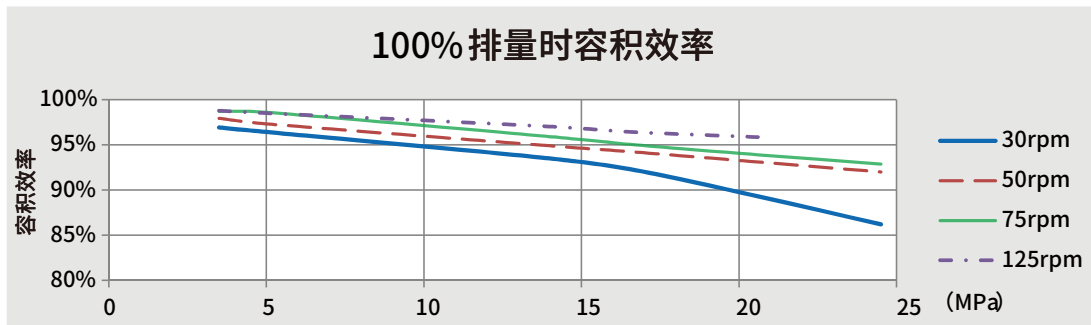
外形图 EXTERNAL VIEW



SPLINE 緒元

要目		記号	数値
歯数		N	23
基準ピッチ円直径		D	φ97.367
工具	歯底形状	—	フラットルート
	タイヤメトルピッチ	DP	6/12(歯の大きさ÷歯たけ)
	圧力角	D	30°
歯先円径 (大径)		D _o	φ100.526~100.653
歯底円径 (小径)		D _{re}	φ91.625~92.184
規格			SAE J498b 1級 (ANSI5級)

RMM-440B-20 马达效率曲线

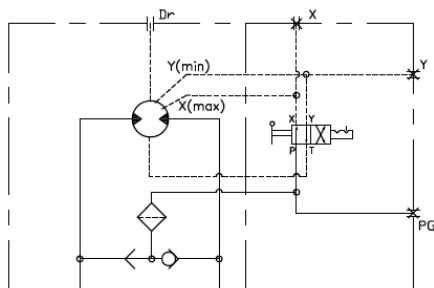


原理图 SYMBOL

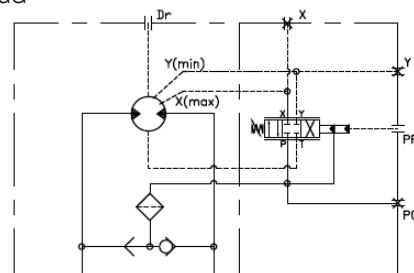
包含了手动切换阀和无极变速阀。

Including hand valve and power constant valve

- 手动切换阀
- 用手柄手动切换低速⇌高速
- Hand valve
- Use the handle to switch between high and low speeds



- 无极变速阀
- 低速⇌高速会根据负载进行切换。
- 低负载时为高速，高负载时为低速。
- power constant valve
- Switching between high and low speeds based on load
- High speed at low load, low speed at high load



使用注意 NOTE

- 标准回转方向是主轴侧看过去，向右（左）供油逆时针（顺时针）旋转。
- 液压油请使用满足下述条件的产品：

液压油粘度范围：12cst~500cst
 允许最高温度(短时间)：70°C
 最适合液压油粘度：30cst~80cst

最适合运转油温：30~50°C
 连续运转请维持在60°C以下

- 回油路必须使用 10 ~ 20μ 的滤器，保持油清洁度在 NAS10 级以上。
- 马达外壳温度和油温的温度差在 40°C 以上时，请在无负载 30rpm 以下的条件下运行之后再加载。
- 第一次启动时请务必排出空气，并确认壳体内部已经充满液压油。
- 泄放配管的压损要在 0.1MPa 以下。
- 背压最大不得超过 3.4MPa，背压需要比泄放压高出 0.5MPa 以上。
- 输出轴受到外力作用后，会降低联轴器的寿命，请注意。
- The standard slewing direction refers to supplies oil to the right (left) and rotating anticlockwise (clockwise) from one end of the shaft.
- Standard of using working oil:
 - >Viscosity range of hydraulic oil:12cst ~ 500cst;
 - >The most suitable viscosity of hydraulic oil:30cst ~80cst;
 - >Allowable highest temperature(short time): 70°C;
 - >Optimum operating oil temperature:30~50°C;
 - >Please keep the temperature below 60°for constant operation;
- 10~20μ filter of oil return line is needed and the oil cleanliness should be above NAS10;
- Please add load after operation under the circumstance of 30rpm when the temperature difference above 40°C between motor casing and oil.
- Please make sure exhausting the air and full of hydraulic oil inside of the casing when start the motor for the first time.
- The pressure loss of drain match pipe should be less than 0.1MPa.
- The maximum back pressure should be less than 3.4MPa and more than 0.5MPa higher than drain pressure.
- Please kindly note that the lifelong of coupling will be reduced when the shaft affected by external force.

AMC 斜盘式轴向柱塞马达

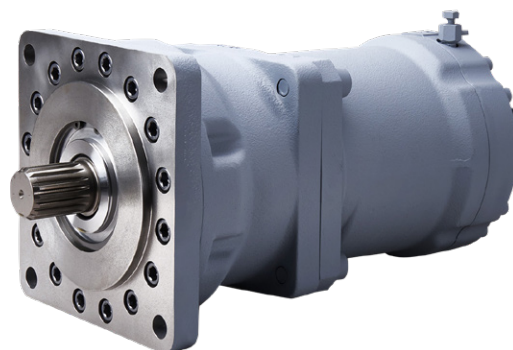
SWASH PLATE TYPE AXIAL PISTON MOTOR

特点

- 中低速
- 体积小
- 高性能

FEATURES

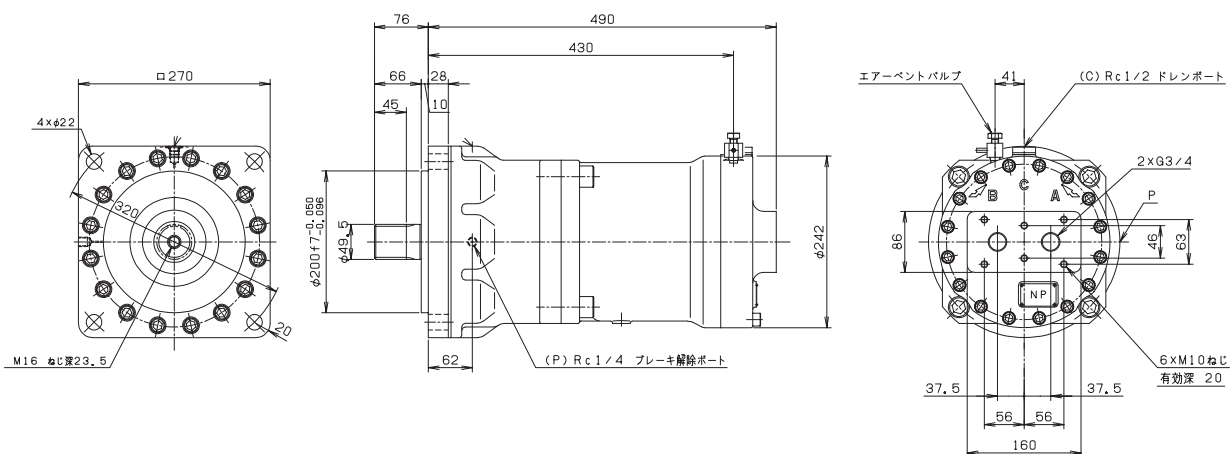
- Medium-low speed
- Small size
- Good performance



技术参数 SPECIFICATIONS

型号 Model	排量 Displacement (cc/rev)	工作压力 Pressure (Mpa)		扭矩 Torque (N.m)		转速 Speed (r/min)		重量 Mass(kg)
		额定 Rated	最大 Max.	额定 Rated	最大 Max.	额定 Rated	最大 Max.	
AMC-30A-M2	300	27.5	35	1216	-	1000	1200	147

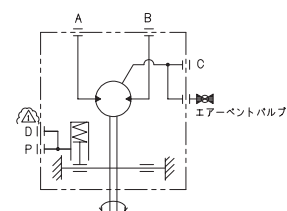
外形图 EXTERNAL VIEW



用途 APPLICATIONS

- 施工机械
 - 负重运输机械
 - 船舶机械
 - 产业机械
- Construction machinery
 - Cargo loading and transportation machinery
 - Ships machinery
 - Industrial machinery

原理图 SYMBOL



TMK 斜盘式高速轴向柱塞马达

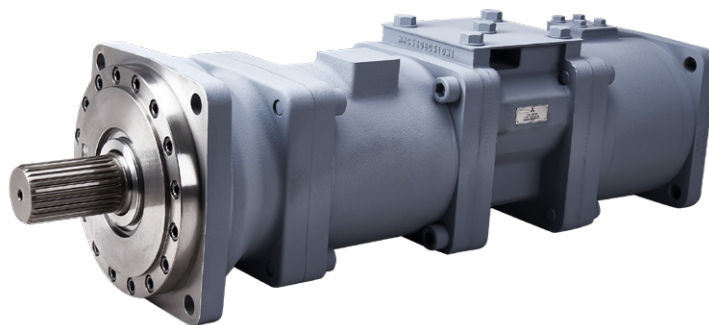
SWASH PLATE TYPE HIGH SPEED AXIAL PISTON MOTOR

特点

- 高压
- 高功率
- 高速度

FEATURES

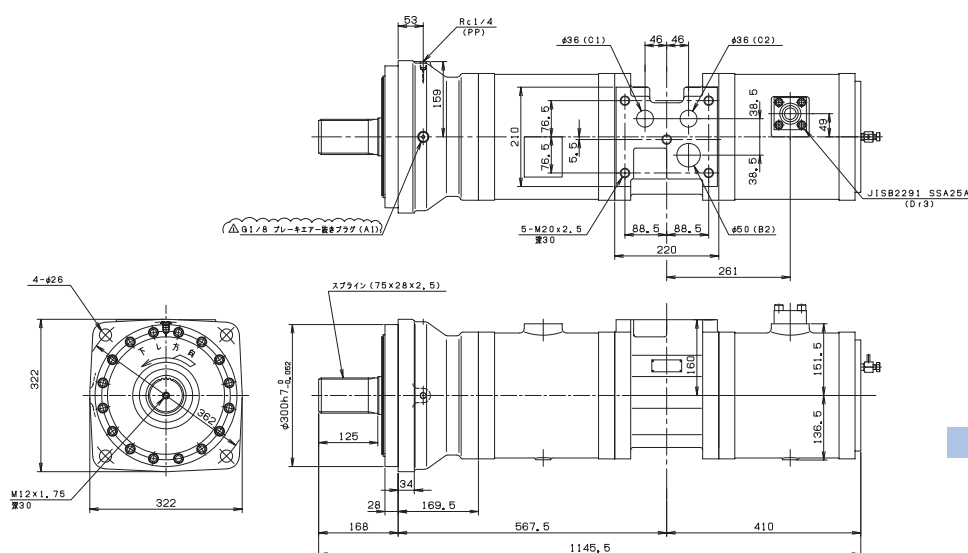
- High pressure
- High output
- High speed



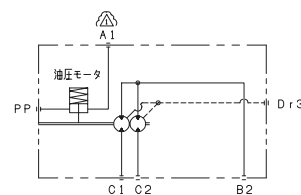
技术参数 SPECIFICATIONS

型号 Model	排量 Displacement (cc/rev)	工作压力 Pressure (Mpa)		扭矩 Torque (N.m)		转速 Speed (r/min)		重量 Mass(kg)
		额定 Rated	最大 Max.	额定 Rated	最大 Max.	额定 Rated	最大 Max.	
TMK-33A-M	333/666	20.6	24.5	2182	-	2100	-	407

外形图 EXTERNAL VIEW



原理图 SYMBOL



用途 APPLICATIONS

- 船舶机械
- Ships machinery

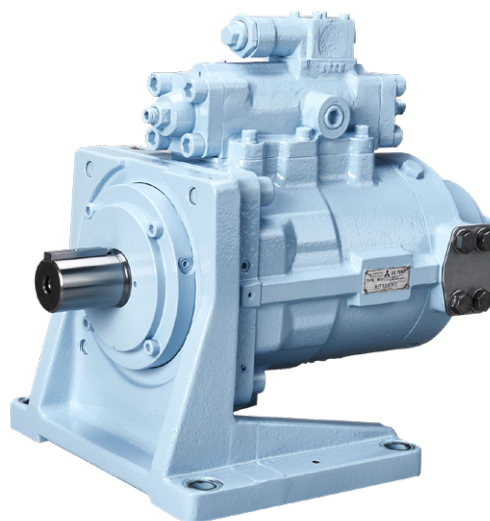
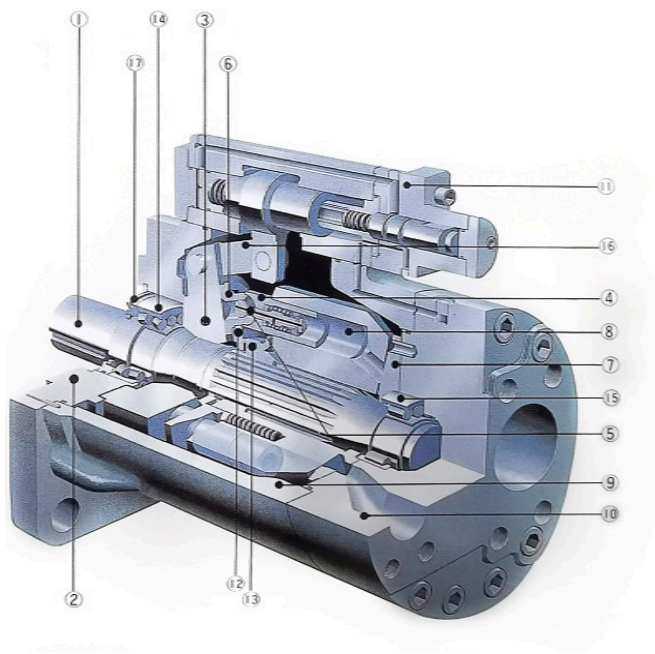
MK斜盘式轴向柱塞泵

SWASH PLATE TYPE AXIAL PISTON PUMP

特点 FEATURES

- 重量轻
- 低噪音
- 高性能
- 高自吸性
- Light-weight
- Low noise
- Good performance
- High self-suction ability

结构 STRUCTURE



- | | |
|-------|---------------|
| ① 传动轴 | Shaft |
| ② 前夹板 | Front cover |
| ③ 凸轮 | Cam |
| ④ 活塞 | Piston |
| ⑤ 连杆 | Con-Rod |
| ⑥ 滑靴 | Slipper |
| ⑦ 阀门 | valve plate |
| ⑧ 气缸筒 | Cyl. barrel |
| ⑨ 泵体 | Casing |
| ⑩ 底板 | End plate |
| ⑪ 控制器 | Controller |
| ⑫ 保持器 | Retainer |
| ⑬ 固定球 | Retainer ball |
| ⑭ 前轴承 | Front bearing |
| ⑮ 后轴承 | Rear bearing |
| ⑯ 连杆 | Rod |
| ⑰ 油封 | Oil seal |

技术参数 SPECIFICATIONS

型号 Model	排量 Displacement (cc/rev)	工作压力 Pressure (Mpa)		流量 Delivery m ³ /s (L/min)	转速 Speed (r/min)	功率 Input (kw)	重量 Mass (kg)
		额定 Rated	最大 Max.				
MKV-16	160	35	40	5.0×10 ⁻³ (300)	2000	193	73
MKV-28	279	35	40	7.87×10 ⁻³ (472)	1800	309	125

型号/规格 MODEL/SPECIFICATION

MK V 23 H R F A C10 Q 11 S4

型号 Model	定量 / 变量 Fixed/Variable	排量 Disp.	系列符号 Series code	旋转方向 Rotation	安装方法 Mounting method	输出方向 Discharging Mode
MK	V	23	H	R	F	A
MK 泵 MK pump	(V) 可变量泵 (V) Variable pump (F) 定量泵 (F) Fixed pump	(08) 85 (11) 117 (16) 160 (23) 229 (28) 279 (33) 333 (55) 552	(H) 标准型 (H) Normal type (K) 特殊型 (D) Both ways discharge (M) 阻燃性液压油对应型 (M) Fire-resistant fluid (*E) 低脉压型 (*E) Low pulse pressure type	从轴端看 (R) 右旋转 Viewed from shaft end (R) Clockwise (right) (L) 左旋转 (L) Anti-clockwise (left)	(F) 法兰连接 (F) Flange Mounting	(A) 单侧输出 (A) One way discharge (B) 双侧输出 (B) Both ways discharge

控制器 Controller	附属机器 Accessories	轴形状 Shaft	液压油 Hydraulic Fluid
C10	Q	11	S4
(C12) 恒功率控制 (P11) 恒压控制 (C12) Constant Power Control (P11) Constant Pressure Control (CP12) 带恒压控制的恒功率控制 (CP12) Constant Power Control with Pressure Cut-off	(O) 无附属机器 (A**) 辅助泵 (O) Without Accessories (A**) Auxiliary Pump ** 是 cc/rev ** shows cc/rev (L) 托架 (Q) 倾斜角指示器 (L) Bracket (Q) Tilting Angle Indicator 标准装备若有多个附属机器就按阿拉伯字母 顺序显示 Accessories are listed in alphabetical order.	(11) 平键 (11) Straight Key Shaft (31) 外齿花键 (31) External Spline Shaft	(无) 石油系 (S4) 纯磷酸酯 (none) Petroleum based Fluid (S4) Straight Phosphoric Acid Ester (S5) 水甘油 (S6) 脂肪酸酯 (S5) Water Glycol (S6) Fatty Acid Ester

用途 APPLICATIONS

- 工程机械
- 注塑机
- 船用机械
- 冲压设备
- 混凝土车
- 化工设备
- 制铁机械
- Engineering machinery
- Plastic Injection Machinery
- Ship machinery
- Press machines
- Concrete pumping vehicle
- Chemical equipment
- Iron and steel making machinery

手动比例换向阀

Manual proportional directional valve

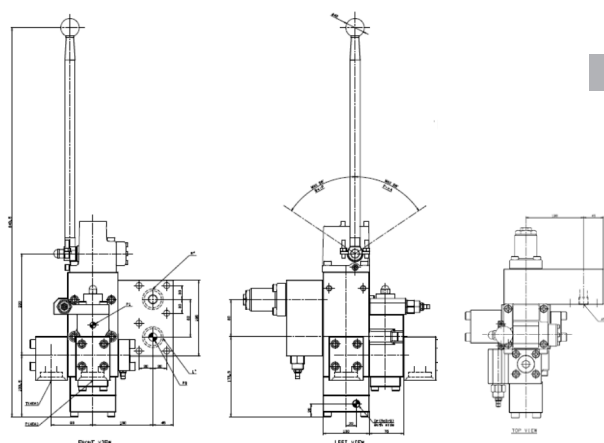
概述 SUMMARY

手动比例换向阀主要是RMM-315B马达配套使用，其功能主要满足马达的旋转方向的转换，是一种三位四通Y型换向阀。

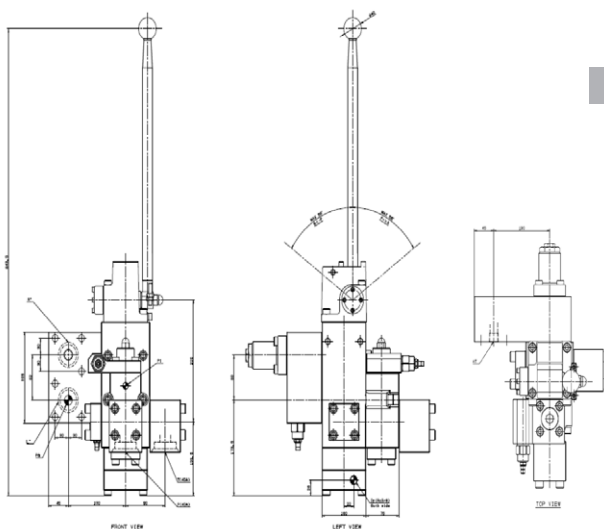
The manual proportional directional valve is mainly used in conjunction with the RMM-315B motor, and its function is mainly to meet the conversion of the motor's rotation direction. It is a three position four way Y-shaped directional valve.



外形图 EXTERNAL VIEW



L



R

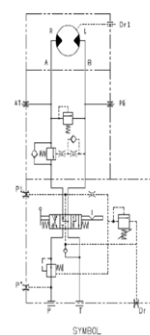
特点 FEATURES

- 高可靠性
- 耐高压
- 自带压力补偿
- 响应迅速
- High reliability
- Equipped with pressure compensation
- High voltage resistance
- Quick response

技术参数 SPECIFICATIONS

型号 Model	流量 Flow (L/min)	额定压力 Rated Pressure (Mpa)	端口尺寸 Port Sizes (mm)	重量 Mass(kg)
HV300	300	27.4	25	83

原理图 SYMBOL



用途 APPLICATIONS

- 船舶机械
- Ships machinery

液压软管接头

Hydraulic hose connector

概述 SUMMARY

- 液压管材使用各品牌 1-2 层钢丝编织、4-6 层钢丝编绕工艺，所用管材系列具备等恒压、小弯曲半径、耐高温、低温、热塑管等特性；
- 产品配套接头包含各扣压式软管接头，SAE 法兰，DIN 卡套，插锁式软管接头及各类石油管接头等。
- Hydraulic pipes use various brands of 1-2 layers of steel wire weaving and 4-6 layers of steel wire winding processes. The pipe series used has characteristics such as constant pressure, small bending radius, high temperature resistance, low temperature resistance, and thermoplastic pipes.
- The product supporting connectors include various buckle type soft alarm connectors, SAE flanges, DIN ferrules, plug-in lock type hose connectors, and various types of petroleum pipe union connectors.



生产 PRODUCTION



合作伙伴 COOPERATIVE PARTNER



应用领域 APPLICATION AREA



船舶



工程机械



机床



农用机械

软管工作压力矩阵 HOSE WORKING PRESSURE TABLE

SAE 规格	-3	-4	-5	-6	-8	-10	-12	-16	-20	-24	-32				
DIN 规格	5	6	8	10	12	16	19	25	32	38	51				
软管类型	工作压力 (MPa)														
01W	21	19.2	17.5	15.7	14	10.5	8.7	7	4.3	3.5	2.6	ISO1436-1			GB/T3683.1
1SN	25	22.5	21.5	18	16	13	10.5	8.8	6.3	5	4	ISO1436-1	EN853-1SN	SAE100R1AT	
1SC		22.5	21.5	18	16	13	10.5	8.8	6.3	5	4	ISO11237-1	EN857-1SC		
421		22.5	21.5	18	16	13	10.5	8.8	6.3	5	4	ISO1436-1	EN853-1SN	SAE100R1AT	
481		22.5	22.5	20.7	17.2	13.8	12	8.8	6.3	5	4	ISO1436-1	EN853-1SN		
02W	35	35	29.7	28	24.5	19.2	15.7	14	11.3	8.7	7.8	ISO1436-1			GB/T3683.1
2SN	41.5	40	35	33	27.5	25	21.5	16.5	12.5	9	8		EN853-2SN		
2SC		40	35	33	27.5	25	21.5	16.5	12.5	10	9		EN857-2SC		
301		40	35	33	27.5	25	21.5	16.5	12.5	9	8		EN853-2SN		
381		40	35	34.5	29.3	25	21.5	17.2	15.5	12	8.6				
431		34.5	29.3	27.5	24	19	15.5	13.8						SAE100R16	
462		42.5	40	35	31	28	28	21	17.2			ISO11237-1	EN857-2SC		
M4K		27.5	27.5	27.5	27.5	27.5	27.5	27.5						SAE100R19	
0G2	41.5	40	35	33	27.5	25	21.5	16.5	12.5	9	8		EN853-2SN	SAE100R2AT	
03W			50	45	40	35	28	24	19	15					Q/(HG4)JG1
372				44.5	41.5	35	35	28							EN856-4SP
04S				70	57	53	46	35	32	25	23				Q/(HG4)JG25
4SP		45	44.5	44.5	41.5	35	35	28	21	18.5	16.5		EN856-4SP		
4SH					45	42	38	32.5	29	25			EN856-4SH		
R13						35	35	35	35	35				SAE100R13	
R15				42	42	42	42	42	42	42				SAE100R15	
701				45	41.5	35	35	28	21	18.5		ISO3862-1	EN856-4SP		
731						42	38	32	29	25		ISO3862-1	EN856-4SH		
721				28	28	28	28	28	21	17.5	17.5	ISO3862-1	EN856-R12	SAE100R12	
G6K				42	42	42	42	42	42	42				SAE100R15	U.S. MSHA 2G
06S				77	70	72	60	50	41	36	32				Q/(HG4)JG25
781						35	35	35	35	35		ISO3862-1	EN856-R13	SAE100R13	
791						42	42	42	42			ISO3862-1	EN856-R15	SAE100R15	



液压系统

Hydraulic system

概述 SUMMARY

液压系统是集动力元件、执行元件、控制元件、辅助元件为一体，利用液压油作为传递能量的工作介质，并操纵液压执行机构工作的整套装置。

我司生产的液压系统有以下特点：

- ① 设计合理；
- ② 性能优良；
- ③ 抗污染、处理污染能力出众；
- ④ 液电设计集成化，支持远程操作和数据采集；
- ⑤ 耐高压、安全可靠。

The hydraulic system is a complete device that integrates power components, execution components, control components, and auxiliary components, using hydraulic oil as the working medium for transmitting energy, and manipulating the operation of hydraulic execution mechanisms.

There are lots of features of hydraulic system produced by our company:

- ① Reasonable design
- ② Excellent performance
- ③ Outstanding ability to resist pollution and handle pollution
- ④ Integrated hydraulic and electrical design, supporting remote operation and data collection
- ⑤ High voltage resistance, safe and reliable.

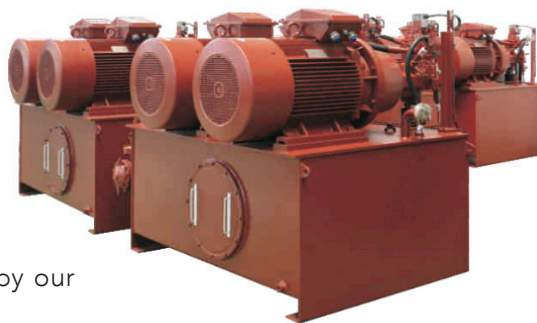
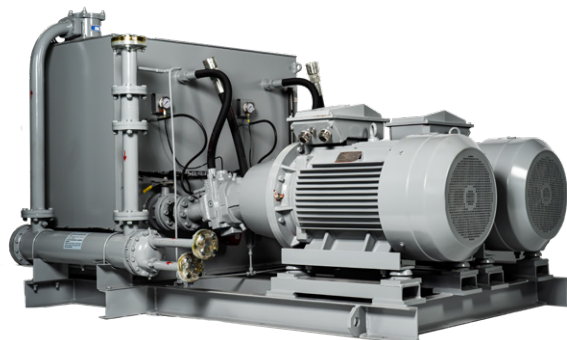
类别 CATEGORY

- ① 锚机卷取液压系统；
 - ② 吊机用液压系统；
 - ③ 油马达、泵试验用液压系统。
- ① Hydraulic system for windlass winch
 - ② Hydraulic system for crane
 - ③ Hydraulic system for hydraulic motor, pump

应用领域 APPLICATION AREA

主要应用于船舶甲板机械：锚绞机、克令吊、舵机

Main application: Used for electrical control systems, such as deck crane, deck machinery, and steering gear.



电气控制系统

Electric control system

特点 FEATURES

具有良好的工艺性、继承性、结构布局合理，操作维护方便安全；采用标准件、通用件，结构进行“防潮湿、防盐雾、防霉菌”的设计，控制柜整体的电磁屏蔽性设计；具有抗振性能，具有足够的机械强度，安全可靠。

Good workmanship, inheritance, reasonable structure layout, convenient and safe operation and maintenance; Adopting standard and universal components, the structure is designed to be "moisture-proof, moisture-proof, salt spray proof, and mold proof", and the overall electromagnetic shielding design of the control cabinet; It has vibration resistance, sufficient mechanical strength, and is safe and reliable.



用途 APPLICATIONS

主要用途：用于船用克令吊、锚绞机、舵机等电气控制系统。

Main application: Used for electrical control systems, such as deck crane, deck machinery and steering gear.

合作伙伴 COOPERATIVE PARTNER



服务网络

SERVICE NETWORK





联系窗口 (Contact Window)

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(including Hongkong, Macao and Taiwan)

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For deck crane/deck machinery/steering gear

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