



品质成就梦想!
Quality achievement dream!

超级 液压马达

Super Hydraulic Motor



24小时服务热线: 0574-86596935

宁波汉竹液压马达有限公司
NINGBO HANZHU HYDRAULIC MOTOR CO.,LTD.

地址: 浙江省宁波市镇海经济开发区金诚路81号
电话: 0574-86596935 传真: 0574-86596938
网址: www.nbhzh.com 邮箱: sales@nbhzh.com



品质成就梦想!
Quality achievement dream!



一腔热血，一份把液压马达做到最精致的执着。
振兴名族工业从我做起，
汉竹液压品质承诺：同等工况条件下，超级液压马达
使用寿命比国内同类型产品高一倍以上！



COMPANY INTRODUCTION 企业简介

国内顶级液压马达生产厂家宁波汉竹液压马达有限公司专注于液压马达的研发制造，多年来不断的发展与创新，公司用领先于国内的尖端技术，造就品质卓越的液压马达。现已拥有了一大批具有自主知识产权的高端技术产品，并形成了完整的企业管理体系。

经过数年来的研发及试验，汉竹液压于2015年正式对外推出“HZH”系列超级摆缸径向柱塞液压马达和“HZW”系列超级曲轴连杆式径向柱塞液压马达。该产品拥有多项国家发明专利，连续工作压力25MPa，尖峰可达40MPa，转速可比普通马达提高150转以上，并且可抗超强冲击，性能和使用寿命超过国内同类型液压马达一倍以上，目前已配套多家主机单位将该产品成功应用于各种恶劣的工况环境。

一腔热血，一份把液压马达做到最精致的执着。振兴民族工业从我做起，汉竹液压品质承诺：同等工况条件下，超级液压马达使用寿命比国内同类型产品高一倍以上！

品质成就梦想！
宁波汉竹液压竭诚期待与您的合作！



WHOKSHOP EQUIPMENT 车间设备

公司拥有多台全自动综合加工中心，数控机床，
数控磨床，成套三坐标测量仪等先进高精密度现代化加工设备。
从设计，编程，到生产具有一支多年从事液压研发团队，
公司立足国内，放眼全球，
把优质的产品提供给每一位用户。





1-11

HZH 系列超级摆缸径向柱塞液压马达
HZH series swivelling cylinder hydraulic motor

HZH



12-23

HZW 系列超级曲轴连杆式径向柱塞液压马达
HZW series low speed high torque hydraulic motor

HZW



30-42

XZ 系列履带 (车轮) 液压行走减速机
XZ series track (wheel) hydraulic walking reducer

XZ



43-56

WK 系列液压传动装置
WK series hydraulic transmission

WK



57-70

WKY 系列液压传动装置
WKY series hydraulic transmission

WKY



71-77

WKH 系列液压回转装置
WKH series hydraulic rotation transmission

WKH

HZH

HZH 系列超级摆缸径向柱塞液压马达
HZH series swivelling cylinder hydraulic motor



HZH 汉竹液压
HANZHU HYDRAULIC

产品概述

HZH系列液压马达是本公司集合多年生产实践经验，在原有的技术基础上进行了设计改进。使HZH系列马达壳体强度增加，内部动态元件承载能力增强。这一特点使该系列马达具有很高的连续功率范围。由于机械效率和容积效率高，同时又减少了内部单位负载力，因此减少了热量产生及与此相关的负面效应。其主要特点如下：

- 1、由于活塞与摆缸不存在侧向力，活塞底部设计成静压平衡，活塞与曲轴之间通过滚动轴承传递扭力，这些均减少了传力过程中的摩擦损失。因而 HZH 系列液压马达具有很高的机械效率、高的启动扭矩 (启动时机械效率 92% 以上) 的特点。
- 2、平面配流器简单可靠，密封性好，泄漏很少。活塞与摆缸之间用塑料活塞密封无泄漏，因而有很高的容积效率 (可达98%)。
- 3、由于结构上减少了摩擦损失，提高了密封性能，因而低速稳定性好，可以在 10r/min 工况下平稳运转，调速范围大 (速度调节比可达1000)。
- 4、由于活塞与轴承套通过卡环贴牢不存在间隙，因而该系列液压马达可以作泵工况下运转，当进油口封闭后马达可在自由轮工况下高速运转。
- 5、该系列液压马达压力高，最高压力可达31.5MPa。重量轻、体积小、功率高。
- 6、由于结构简单，设计合理，采用符合能力大的轴承，因而工作可靠，寿命长、噪音低，传动轴允许承受径向力，旋转方向可逆。

产品适用范围

由于HZH系列液压马达具有上述一系列特点，故广泛用于塑料机械，轻工机械、冶金机械、矿山机械、起重运输设备、重型机械、石油煤矿机械、船舶甲板机械、机床、塑料、地质钻探设备等各种机械的液压传动系统中。特别适用于提升绞盘、卷筒机械、各种回转机械驱动、履带和轮子行走机构的驱动等传动机械中。

Product overview

HZH series hydraulic motor is a new type of product of our company, which is based on years practical experience. The design is improved in the foundation on the original technologies. HZH hydraulic motor mainly has the following characteristics:

As the piston and the tilt cylinder have no side force, the piston bottom is designed to be static pressure balance. The torsional force is transferring between the piston and the crankshaft through rolling bearing, so the friction loss during the transferring process of force is reduced. Therefore, HZH series hydraulic motor has such features as: very high mechanical efficiency and comparatively high startup torque (mechanical efficiency of over 0.92 during startup).

The plane distributor (patented technology) is simple and reliable with perfect seal performance and almost no leakage. The plastic piston ring is used to seal between the piston and the tilt cylinder, so it has very high volumetric efficiency (can be as high as 0.98).

As the structure of this product has reduced friction loss and enhanced the seal performance, the product has perfect stability at low speed. It can stably run at 10r/min working condition and has big speed regulation range.

As the piston is jointed closely with bearing bushing without any clearance, this series of hydraulic motor can run at pump working condition.

This series of hydraulic motor has high pressure, (the highest pressure can reach 31.5 Mpa) light weight, small bulk and high specific power.

As this series hydraulic motor has simple structure, reasonable design and adopts bearing with big load ability, it can work reliably and has long life and low noise; the transmission shaft allows endure radial load and the rotational direction is reversible.

Products application range

As HZH series hydraulic motor has the above characteristics, it has wide application range. It can be applied in the hydraulic transmission systems of various types of machinery in plastic injection machine, light industry machine, engineering machine, metallurgical equipment, petroleum, coal mine, geological prospecting, railway, ship, environment protection, machine tool and agricultural machine industries.

型号说明 Description of model

HZH ** **** ** **

配流器型号，订货时若不注明，则按标准配，如有特殊需要，请在订货时注明。

Oil distribution casing type: it will be configured with standard casing if no special requirement is marked in order during ordering. If you have special requirements, please mark your requirements in the order.

输出轴连接形式 (订货时必须注明)

无字母表示矩形花键轴、A表示渐开线花键轴、B表示平键轴、I表示内花键轴

Form of output shaft (please mark out the form in the order)
If there is no letter, it refers to rectangular spline shaft
A means involute spline shaft
B means flat key shaft
I means internal spline shaft

名义排量 (ml/r)
Theoretical displacement (ml/r)

基型 (不同排量同一基型其安装尺寸相同)
Series (the same series have the same figuration and volume)

汉竹超级摆缸径向柱塞液压马达代号
HANZHU tilt cylinder crankshaft type radial piston motor

型号举例 Example of model selection

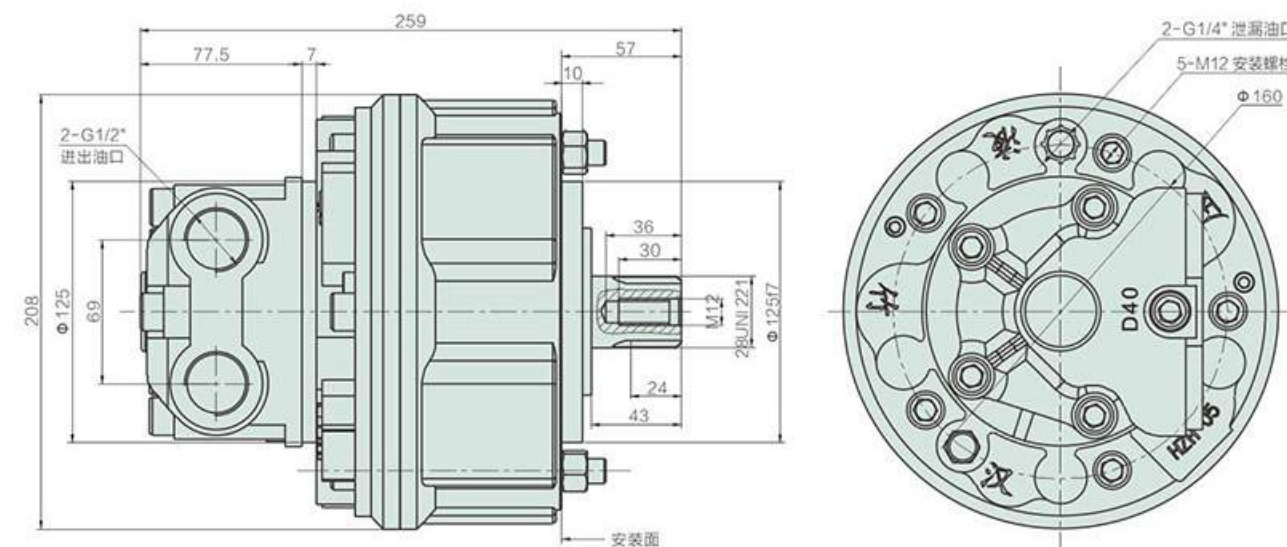
HZH2-420BD31表示基型为2系列HZH液压马达，其名义排量为 425ml/r；输出轴为平键轴，配流器型号为 D31。订货时请按此填写完整的型号，若有特殊要求请在订货合同中详细说明。

HZH2-420BD31 means the basic type is 2 series HZH hydraulic motor, and it's theoretical displacement is 425ml/r; output shaft's type is flat key shaft, the distributor's type is D31. When you place an order, please fill in the complete model according to this form. If you have special requirements please give a detailed description in the order contract.

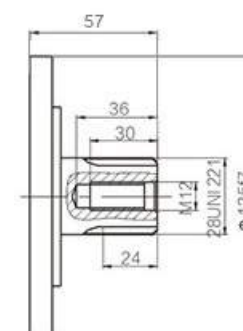
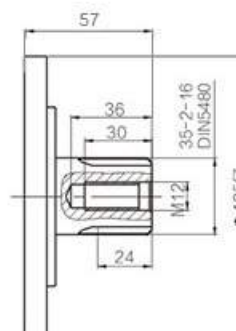
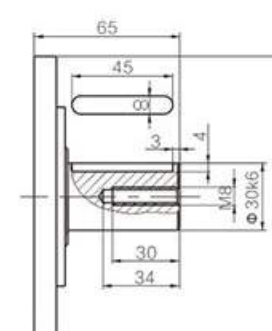
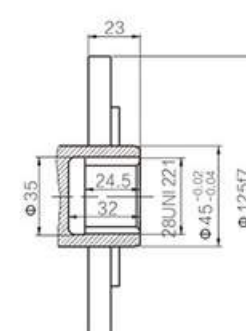
技术参数 Technical data

型号 Model	理论排量 Displacement (ml/r)	扭矩 Torque (N.m)			尖峰压力 Peak Pressure (Mpa)	单位扭矩 Theoric Specific Torque (N.m/Mpa)	连续转速 Speed range (r/min)	最高转速 Max.cont Speed (r/min)
		16MPa	20MPa	25MPa				
HZH05-60	59	150	188	235	40	9.4	1-800	1100
HZH05-75	74	188	236	295	40	11.8	1-800	1100
HZH05-90	86	219	274	343	40	13.7	1-800	1100
HZH05-110	115	292	366	458	40	18.3	1-750	1000
HZH05-130	129	328	410	513	40	20.5	1-750	1000
HZH05-150	151	384	480	600	40	24	1-750	1000
HZH05-170	166	422	528	660	40	26.4	1-700	900
HZH05-200	191	486	608	760	40	30.4	1-700	900
HZH1-100	99	246	308	385	40	15.4	1-650	1100
HZH1-150	154	384	480	600	40	24	1-650	1100
HZH1-175	172	428	536	670	40	26.8	1-650	1000
HZH1-200	201	502	628	785	40	31.4	1-650	900
HZH1-250	243	608	760	950	40	38	1-550	800
HZH1-300	290	723	904	1130	40	45.2	1-450	750
HZH1-320	314	784	980	1225	40	49	1-450	750
HZH1-350	340	864	1080	1350	40	54	1-450	700
HZH2-200	192	480	600	750	40	30	1-650	900
HZH2-250	251	627	784	980	40	39.2	1-650	900
HZH2-300	304	760	950	1188	40	47.5	1-600	850
HZH2-350	347	867	1084	1355	40	54.2	1-600	850
HZH2-420	425	1060	1326	1658	40	66.3	1-550	850
HZH2-500	493	1230	1538	1923	40	76.9	1-550	800
HZH2-600	565	1412	1766	2208	40	88.3	1-550	800
HZH2-630	623	1556	1946	2433	40	97.3	1-500	750
HZH3-425	426	1062	1328	1660	40	66.4	1-600	750
HZH3-500	486	1212	1516	1895	40	75.8	1-550	700
HZH3-600	595	1484	1856	2320	40	92.8	1-550	675
HZH3-700	690	1728	2160	2700	40	108	1-500	600
HZH3-800	792	1984	2480	3100	40	124	1-500	600
HZH3-900	873	2176	2720	3400	40	136	1-450	500
HZH3-1000	987	2464	3080	3850	40	154	1-400	450
HZH4-600	616	1537	1922	2403	40	96.1	1-500	650
HZH4-800	793	1984	2480	3100	40	124	1-450	650
HZH4-900	904	2256	2820	3525	40	141	1-425	550
HZH4-1000	1022	2560	3200	4000	40	160	1-400	500
HZH4-1100	1116	2784	3480	4350	40	174	1-375	500
HZH4-1300	1316	3280	4100	5125	40	205	1-325	450
HZH5-800	807	2016	2520	3150	40	126	1-425	550
HZH5-1000	1039	2592	3240	4050	40	162	1-400	550
HZH5-1200	1185	2960	3700	4625	40	185	1-400	500
HZH5-1300	1340	3344	4180	5225	40	209	1-400	500
HZH5-1450	1462	3648	4560	5700	40	228	1-375	450
HZH5-1600	1634	4064	5080	6350	40	254	1-350	400
HZH5-1800	1816	4528	5660	7075	40	283	1-350	400
HZH5-2000	2007	5008	6260	7825	40	313	1-300	350
HZH6-1700	1690	4224	5280	6600	40	264	1-350	500
HZH6-2100	2127	5312	6640	8300	40	332	1-325	450
HZH6-2500	2513	6272	7840	9800	40	392	1-300	400
HZH6-3000	3041	7600	9500	11875	40	475	1-275	350

外形尺寸 Contour dimension



轴伸型式 Shaft extension type

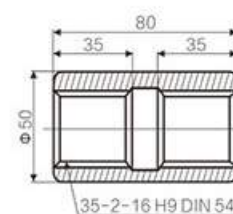
矩形外花键
Rectangular spline渐开线外花键 A
Involute spline A圆柱平键 B
Cylindrical flat key B内花键 I
Internal spline I

花键参数 Spline parameters

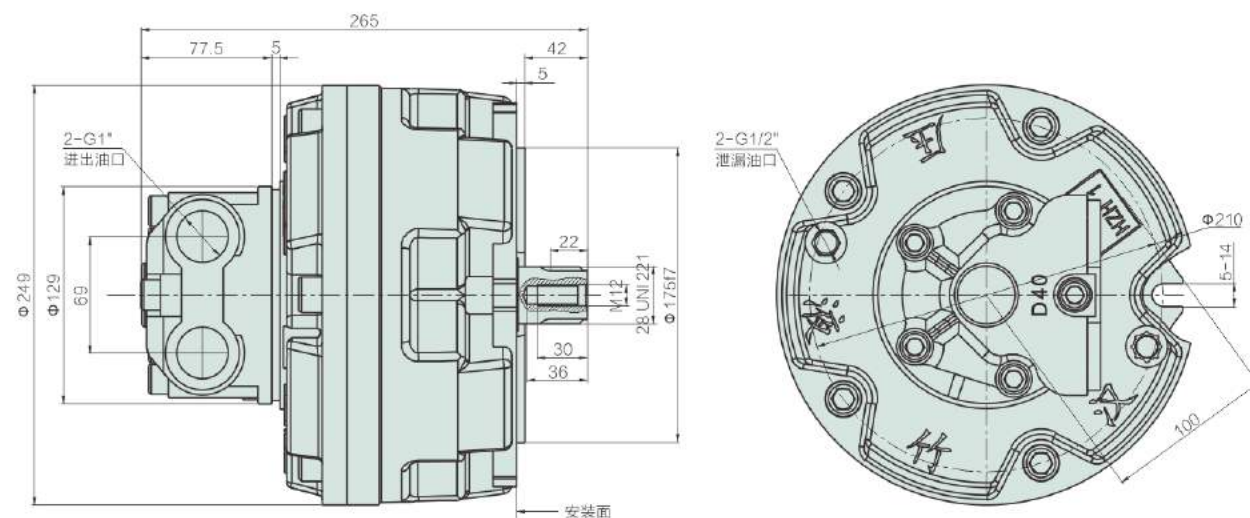
35-2-16 DIN5480	
d0	Φ32.0
d1	Φ35.0 ^{+0.020} _{-0.010} H14
d2	Φ31.0 ^{+0.016} _{-0.008} H11
A	Φ3.5
da	Φ27.711 H11
d3	Φ34.6 ^{+0.010} _{-0.005} h11
d4	Φ30.6 ^{+0.008} _{-0.004} h14
B	Φ4.0
db	Φ39.000 f8

28 UNI 221(6-28-34)DIN5463	
d1	Φ28.0 ^{+0.021} _{-0.010} H7
d2	Φ34.1 ^{+0.016} _{-0.008} H11
A	7.0 ^{+0.008} _{-0.004} F7
d3	Φ28.0 ^{+0.007} _{-0.004} g6
d4	Φ34.0 ^{+0.008} _{-0.004} h14
B	7.0 ^{+0.008} _{-0.004} f7

联轴器 Couplings

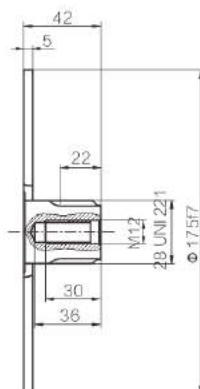


外形尺寸 Contour dimension

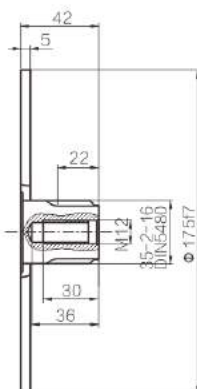


轴伸型式 Shaft extension type

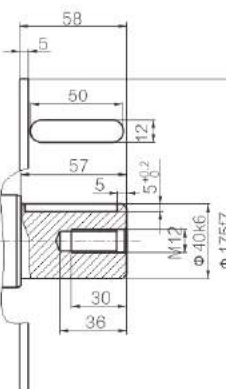
矩形外花键
Rectangular spline



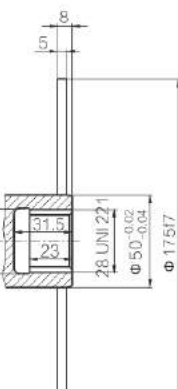
渐开线外花键 A
Involute spline A



圆柱平键 B
Cylindrical flat key B



内花键 I
Internal spline I



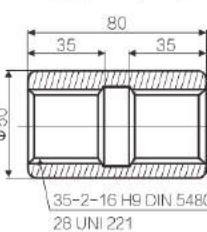
花键参数 Spline parameters

35-2-16 DIN5480	
d0	Φ32.0
d1	Φ35.0 $^{+0.020}_{-0.010}$ H14
d2	Φ31.0 $^{+0.016}_{-0.008}$ H11
A	Φ3.5
da	Φ27.711 H11
d3	Φ34.6 $^{+0.160}_{-0.080}$ h11
d4	Φ30.6 $^{+0.020}_{-0.010}$ h14
B	Φ4.0
db	Φ39.000 f8

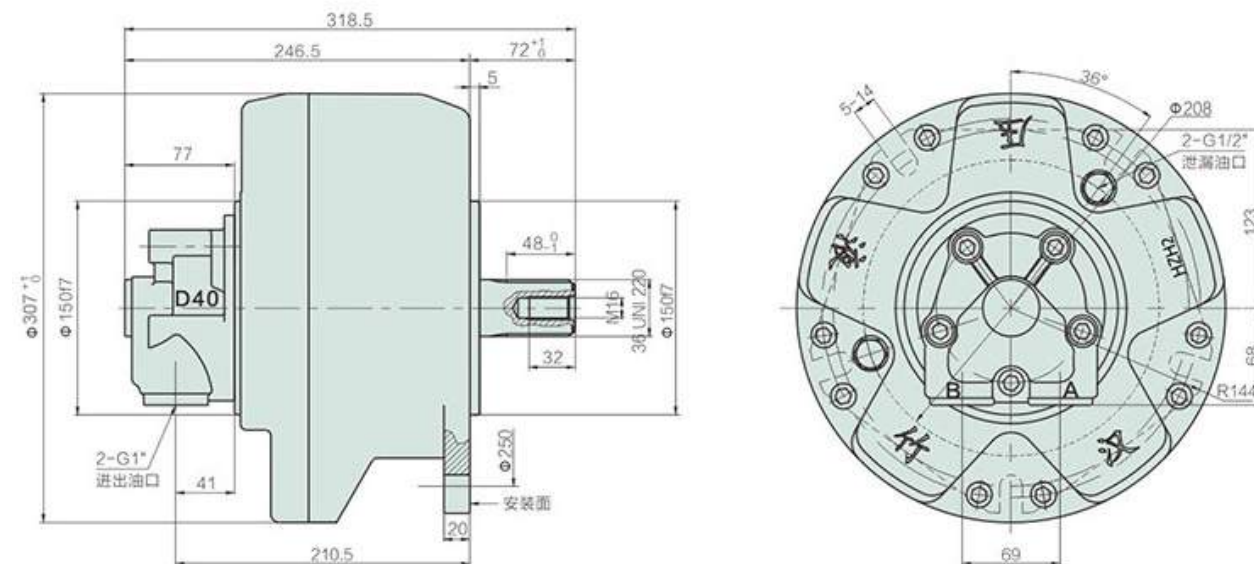
28 UNI 221(6-28-34)DIN5463	
d1	Φ28.0 $^{+0.021}_{-0.010}$ H7
d2	Φ34.1 $^{+0.016}_{-0.008}$ H11
A	7.0 $^{+0.028}_{-0.014}$ F7
d3	Φ28.0 $^{+0.088}_{-0.044}$ g6
d4	Φ34.0 $^{+0.088}_{-0.044}$ h14
B	7.0 $^{+0.028}_{-0.014}$ f7

36 UNI 220 (8-36-40) DIN5462	
d1	Φ36.0 $^{+0.026}_{-0.013}$ H7
d2	Φ40.0 $^{+0.016}_{-0.008}$ H11
A	7.0 $^{+0.028}_{-0.014}$ F7
d3	Φ36.0 $^{+0.088}_{-0.044}$ g6
d4	Φ40.0 $^{+0.088}_{-0.044}$ d11
B	7.0 $^{+0.028}_{-0.014}$ f7

联轴器 Couplings

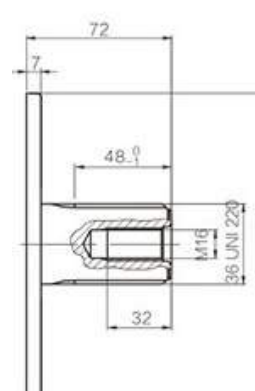


外形尺寸 Contour dimension

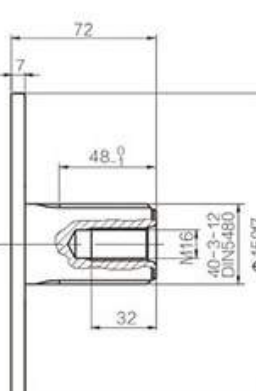


轴伸型式 Shaft extension type

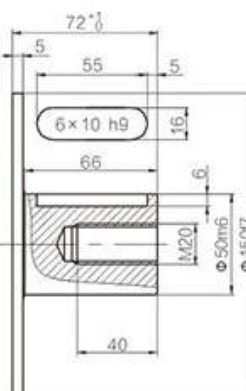
矩形外花键
Rectangular spline



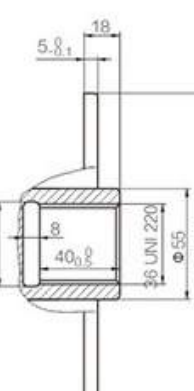
渐开线外花键 A
Involute spline A



圆柱平键 B
Cylindrical flat key B



内花键 I
Internal spline I

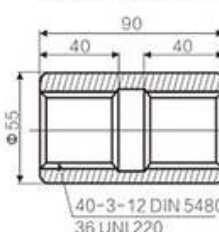


花键参数 Spline parameters

40-3-12 DIN5480	
d0	Φ36.0
d1	Φ40.0 $^{+0.020}_{-0.010}$ H14
d2	Φ34.0 $^{+0.016}_{-0.008}$ H11
A	5.25
da	Φ28.964 H11
d3	Φ39.4 $^{+0.160}_{-0.080}$ h11
d4	Φ33.4 $^{+0.020}_{-0.010}$ h14
B	Φ6.0
db	Φ45.989 f8

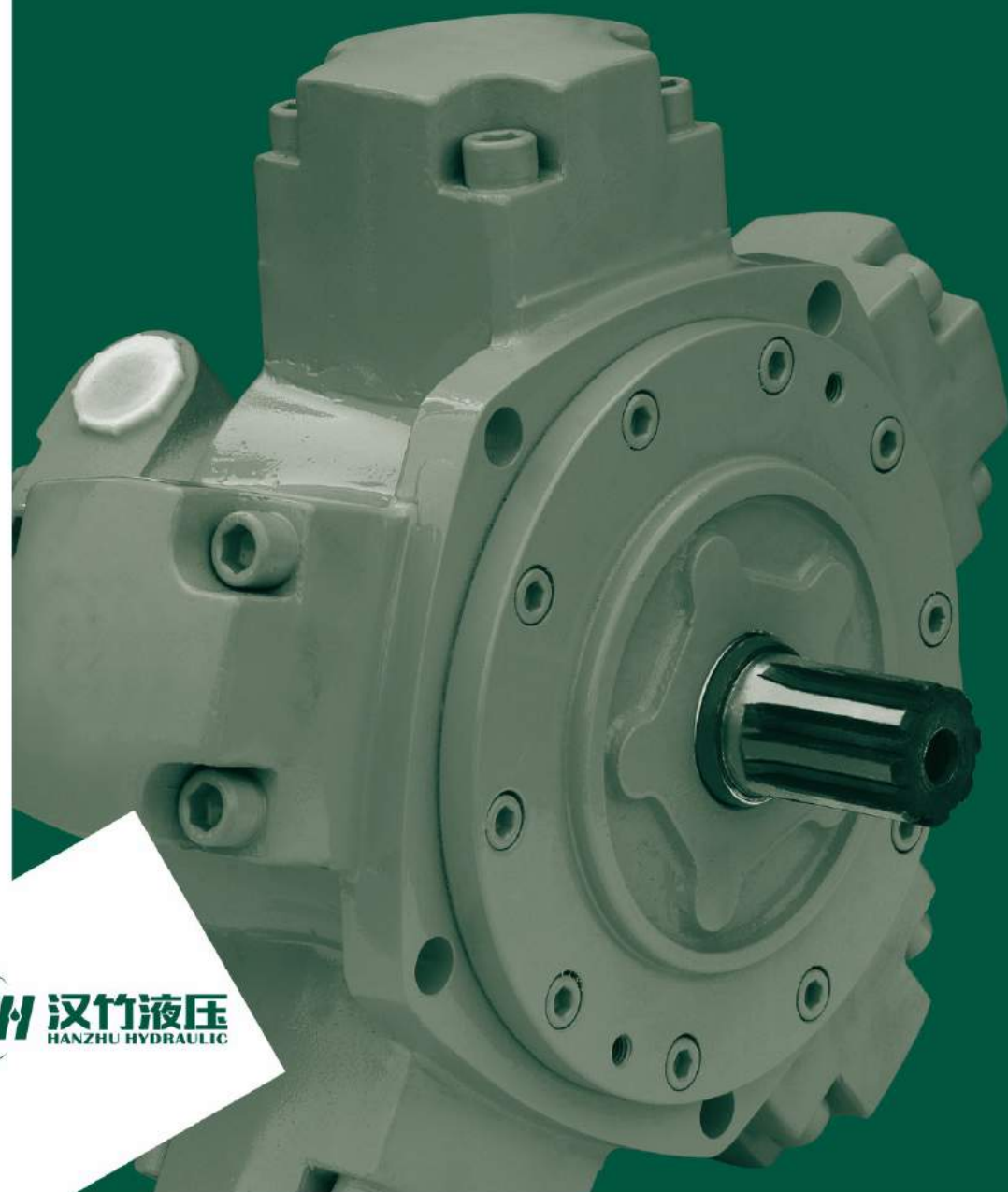
36 UNI 220 (8-36-40) DIN5462	
d1	Φ36.0 $^{+0.026}_{-0.013}$ H7
d2	Φ40.0 $^{+0.016}_{-0.008}$ H11
A	7.0 $^{+0.028}_{-0.014}$ F7
d3	Φ36.0 $^{+0.088}_{-0.044}$ g6
d4	Φ40.0 $^{+0.088}_{-0.044}$ d11
B	7.0 $^{+0.028}_{-0.014}$ f7

联轴器 Couplings



HZW

HZW 系列超级曲轴连杆式径向柱塞液压马达 HZW low speed high torque hydraulic motor



HZW

品质成就梦想!
Quality achievement dream!

产品概述

我公司生产的液压马达主要零件由加工中心和数控机床加工，所有密封、高强度内六角螺钉由德国、意大利、台湾进口，外表铸件采用精密铸造球墨铸铁，从而保证产品性能和外观质量超过国内外同类产品水平。它具有以下特点：

- 1、采用偏心轴及较低激振频率的五柱塞结构，因而具有低噪音的特点。
- 2、启动扭矩大，低速稳定性好，能在很低速度下平稳运转。
- 3、采用先进的可补偿式端面配流结构，可靠性好，泄漏少，柱塞与缸体间采用新型密封环密封，具有很高的容积效率。
- 4、曲轴与连杆间由滚柱支承，因而具有很高的机械效率。
- 5、旋转方向可逆，输出轴允许承受一定的径向和轴向力。
- 6、具有较高的功率质量比，体积重量相对较小。

产品适用范围

由于 HZW 系列低速大扭矩液压马达具有可靠性好、效率高、寿命长、噪音低、转速范围宽等一系列特点，因而适用范围广，可广泛应用于矿山建筑工程机械、起重运输设备、重型冶金机械、石油煤矿机械、船舶甲板机械、机床、轻工、塑料机械、地质钻探设备等各种机械的液压传动系统中，特别适用于注塑机的螺杆驱动、提升绞盘、卷筒的驱动、各种回转机构的驱动、履带和轮子行走机构的驱动等传动机械中。

注意事项

- 1、过滤：正常的工业用过滤精度推荐为25微米，对低压、低速或间隙工况时可以允许精度为75微米。
- 2、粘度：最佳性能应在良好的粘度条件下才能获得，因此马达在大多数工况下，粘度应在 15—1000厘范围内，该范围保证满意地工作。
- 3、泄漏：泄油口应单独地与油箱接通，一般下壳体允许最大压力为0.1Mpa。若压力过高，易使油封损坏，引起外泄。
- 4、液压马达可以任意位置安装，安装马达的支架必须有足够的刚性，安装时应保证液压马达所联接的转动主轴与液压马达的输出轴同轴线。
- 5、泄油管的最大水平位置应高于马达壳体的最高水平位置，以防马达壳体內的油液排空。
- 6、首次启动前，必须向液体马达壳体内注满液压油，以防损坏。
- 7、严格保证联接油口的清洁度，不允许任何固体异物进入。
- 8、减少液压马达出轴所受径向负荷，可以使液压马达寿命延长。

Product overview

Our company's hydraulic motor's main parts and components are machined by machining center and CNC machine tools. All the seal parts and high strength interior hexagonal bolts are imported from Germany, Italia and Taiwan. The casting is made of polyester sand nodular cast iron to ensure the performance and appearance quality of the products to overpass the similar products in China and overseas market. The product has the following features:

1. As the product adopts eccentric crankshaft and five-piston structure with comparatively low frequency, it has low noise characteristic;
2. It has big startup torque, perfect stability at low speed, so it can stably operate at very low speed;
3. The plane compensation port plate has perfect reliability and almost no leakage. The piston bushing is sealed by seal ring, so it has comparatively high volume efficiency;
4. The bent axle and the connecting rod are supported by roller, so it has very high mechanical efficiency;
5. The rotational direction is reversible, the output shaft allows endure certain radial and axial force;
6. It has comparatively high power mass ratio. The volume and weight relatively small.

Scope of application

As HZW series low speed high torque hydraulic motor has such characteristics as: perfect reliability, high efficiency, long life, low noise and wide rotation speed range, it has wide application range. It can be widely applied in the hydraulic and transmission systems of construction engineering machinery, lifting and transportation equipment, heavy type metallurgical machinery, petroleum and coal mining machinery, ship's deck machinery, machine tools, light industry and plastic machinery, geological prospecting equipments. This product is especially applicable for the transmission devices of screw drive of plastic in jecton machine, hoisting winch, all sorts of rotational mechanism and the track and wheel travel machine.

Notes:

1. Filtration: the recommended filtration precision for normal industrial use is 25 μ m, and in the working condition of low pressure, low speed or interval, the allowable precision is 75 μ m.
2. Oil viscosity: the optimum performance could only be obtained under proper oil viscosity between 15-1000 cst.
3. Leakage: drain port should be connected separately to the tank. Normally the maximum pressure for the motor body is 0.1Mpa. If the pressure is too high, it is easy to make the oil seal damage and cause to leak.
4. Hydraulic motor can be installed in any position with rigid support, when installed, shafts of the motor and its transmission should be concentric.
5. The top line of the drain pipe should be higher than that of the motor body, in case emptying oil storage.
6. Before the first start-up, it must fill hydraulic oil in the hydraulic motor body, to avoid the damage.
7. Strictly maintain the cleanness of the oil port, and keep away any solid particles away.
8. Release both the radial and axial loads of the output shaft to enable longer life of the motor.

型号说明 Description of model

HZW

通油盘种类, 订货时若不注明, 则按标准配置
(见各系列马达安装联接尺寸图) 如有特殊需要
请参见24~29页, 并在订货时注明。

Oil distribution casing type: it will be configured with standard
casing if there is no special requirement marked in the ordering.
If you have special requirements, please mark your
requirements in the order.

输出轴类形

- 1、无字母表示标准矩形花键轴 (以外径定心)
- 2、B表示平键轴: 注脚数字表示同BM型摆线液压马达或其他品牌对
应型号安装尺寸相同 (带过渡法兰板)。
- 3、D安装联接尺寸与昆山液压件厂1JMD型同排量液压马达相同。
- 4、I表示内花键轴 (以内径定心): 注脚数字表示与QJM系列安装
尺寸相同 (带过渡法兰板)。
- 5、QM, SL表示安装尺寸与意大利SAI公司生产的M系列、L系列、
GM系列液压马达相同, 注脚数字表示不同种类安装尺寸。

Form of output shaft

1. no letter---- standard rectangular spline shaft (the center is up to exterior
diameter).
2. B----Flat key shaft: Footnote number ----the installation dimension is the
same as BM motors series model (with flange).
3. D----installation dimension is the same as 1JMD series motors of the
same displacement (KunShan HYD element plant).
4. I----internal spline shaft(the center is up to interior diameter).
Footnote number----the installation dimension is the same as
QJM series motors(with flange).
5. QM,SL indicates the installation dimension is the same as M series, L series,
GM series of ITALY SAI company.
Footnote number----different kinds of installation dimension.

名义排量 (ml/r)
Theoretical displacement(ml/r)

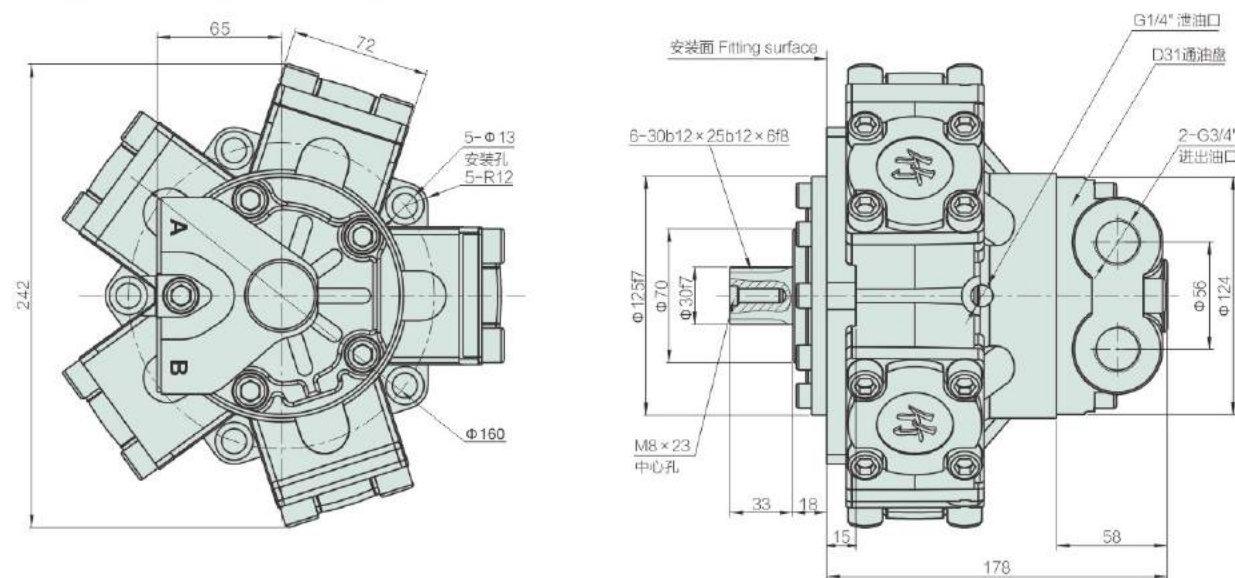
系列 (同一系列, 其外型尺寸、体积大小相同)
Series (the same series have the same figuration and volume)

汉竹超级曲轴连杆式径向柱塞液压马达代号
HANZHU low speed high torque hydraulic motor

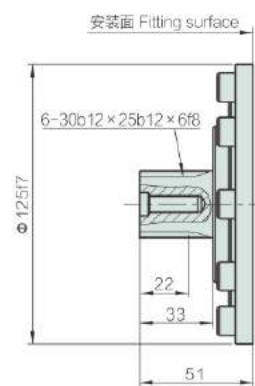
技术参数 Technical data

型 号 Model	理论排量 Displacement (ml/r)	最高转速 Max.cont Pawer (r/min)	额定压力 Rated Pressure (Mpa)	尖峰压力 Peak Pressure (Mpa)	额定扭矩 Rated Torque (N.m)	单位扭矩 Theoric Specific Torque (N.m/Mpa)	重量 Weight (kg)
HZW1-63	64	15-1500	20	30	180	9.0	20
HZW1-80	78	15-1250	20	30	240	12	20
HZW1-100	96	15-1000	20	30	280	14	20
HZW1-125	126	15-1000	20	25	380	19	20
HZW1-160	159	15-1000	20	25	472	23	20
HZW2-100	113	15-1250	25	32	420	18	27
HZW2-150	159	15-1000	25	32	620	25	27
HZW2-175	180	15-1000	20	25	526	28	27
HZW2-200	206	8-800	20	25	600	32	27
HZW2-250	235	8-630	16	20	607	40	27
HZW2-280	276	8-500	16	20	670	44	27
HZW3-175	181	8-800	20	30	578	28	35
HZW3-200	201	8-700	20	30	640	32	35
HZW3-250	254	8-630	20	30	810	40	35
HZW3-300	289	6-500	20	25	864	46	35
HZW3-350	340	6-400	20	25	1040	55	35
HZW3-400	380	6-400	16	20	949	63	35
HZW3-450	452	6-350	16	20	1120	70	35
HZW6-400	397	5-500	20	30	1265	63	57.5
HZW6-450	452	5-630	20	30	1440	72	57.5
HZW6-500	491	5-500	20	25	1562	78	57.5
HZW6-600	594	4-500	20	25	1775	94	57.5
HZW6-700	683	4-400	16	20	1633	103	57.5
HZW6-750	754	4-320	16	20	1760	110	57.5
HZW11-700	682	4-400	20	30	2260	114	94
HZW11-800	782	4-400	20	30	2520	120	94
HZW11-900	894	4-400	20	30	2860	140	94
HZW11-1000	981	3-320	20	25	2974	158	94
HZW11-1100	1104	3-320	20	25	3336	177	94
HZW11-1200	1234	3-320	20	25	3740	187	94
HZW11-1300	1301	3-250	16	20	3152	197	94
HZW11-1400	1406	3-230	16	25	3568	223	98
HZW16-1400	1413	2-400	20	30	4500	210	170
HZW16-1600	1648	2-400	20	30	5240	262	170
HZW16-1800	1814	2-320	20	25	5433	283	170
HZW16-2000	2034	2-320	16	25	5168	323	170
HZW16-2400	2401	2-250	16	20	5763	360	170
HZW16-3000	3000	2-200	16	20	7550	471	170
HZW31-2500	2553	2-250	20	30	8100	405	298
HZW31-2800	2683	1-200	20	30	8860	443	298
HZW31-3000	3063	1-200	20	25	9135	485	298
HZW31-3150	3218	1-200	20	25	9392	500	298
HZW31-3500	3462	1-160	20	25	10220	544	298
HZW31-4000	4152	1-160	20	25	12481	665	298
HZW31-5000	4828	1-160	16	20	12387	825	298

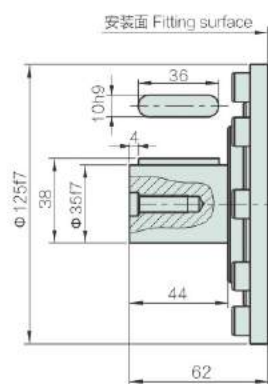
HZW1-63~160 外形尺寸 Dimension



标准外花键: HZW1-**
External spline

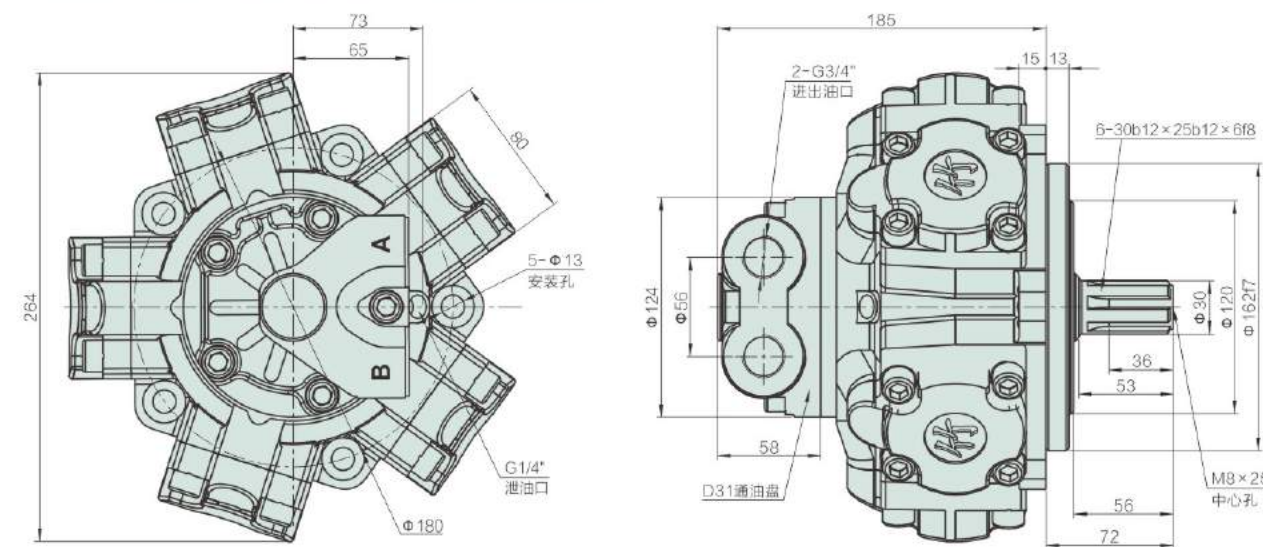


标准平键: HZW1-**B
Flat key

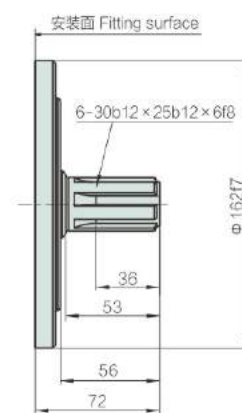


HZW2

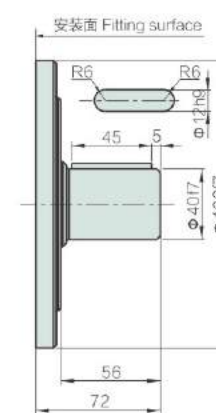
HZW2-100~280 外形尺寸 Dimension



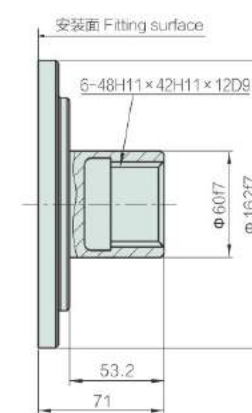
标准外花键: HZW2-**
External spline



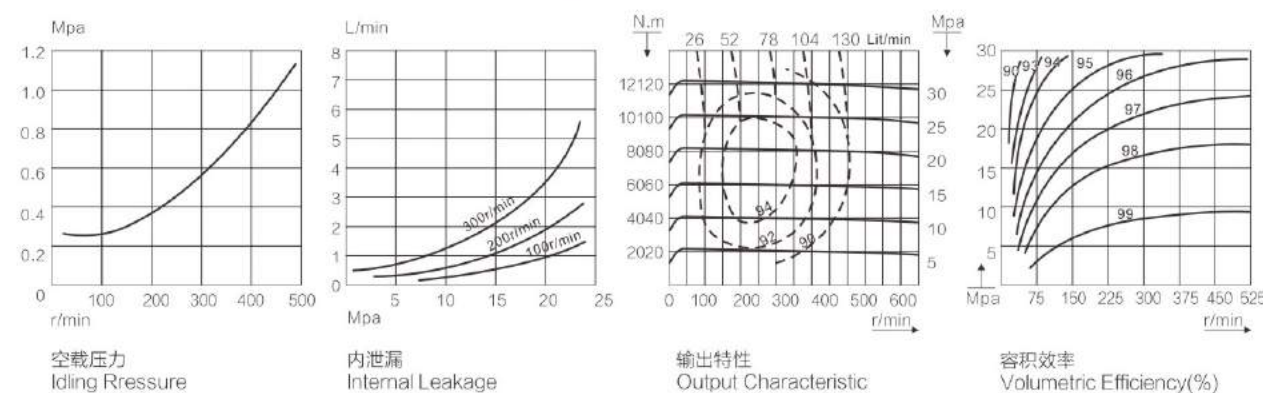
标准平键: HZW2-**B
Flat key



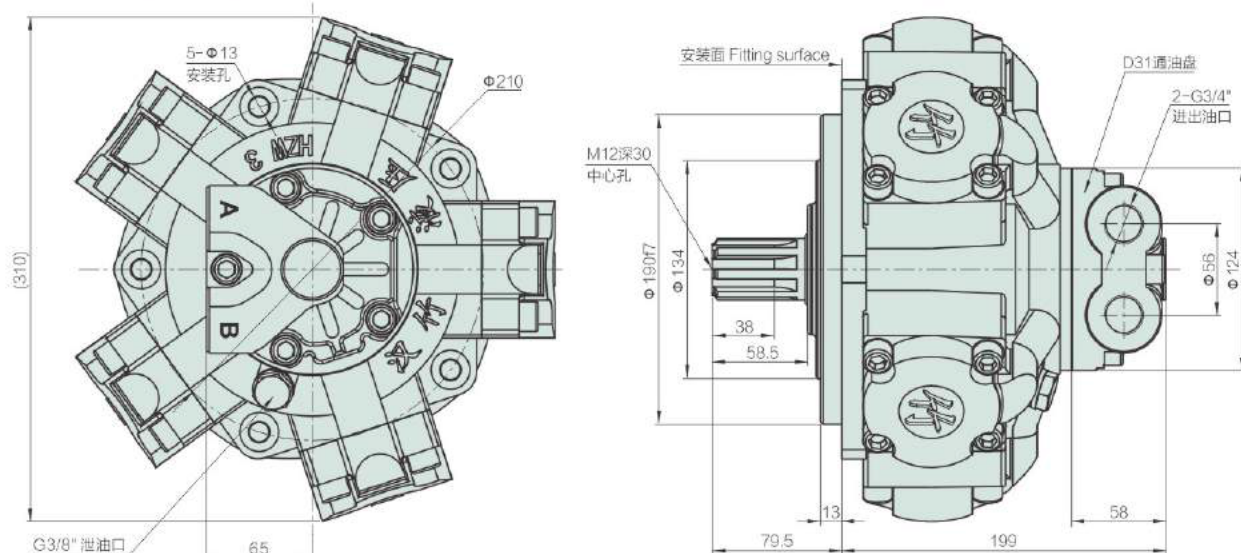
标准内花键: HZW2-**|
Internal spline



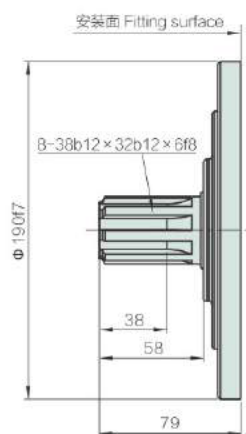
HZW2-250 特性曲线图 Performance



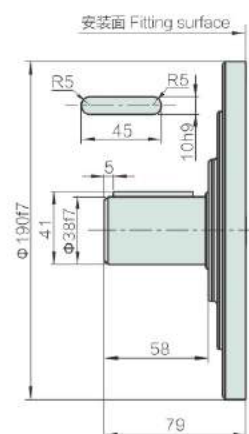
HZW3-175~450 外形尺寸 Dimension



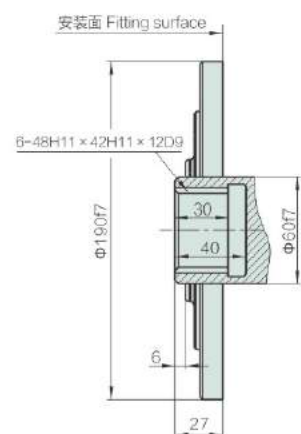
标准外花键: HZW3-**
External spline



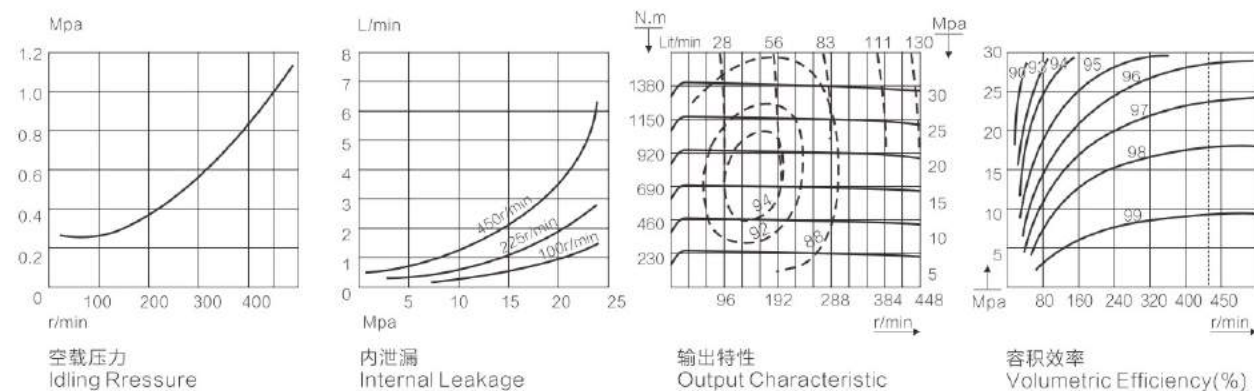
标准平键: HZW3-**B
Flat key



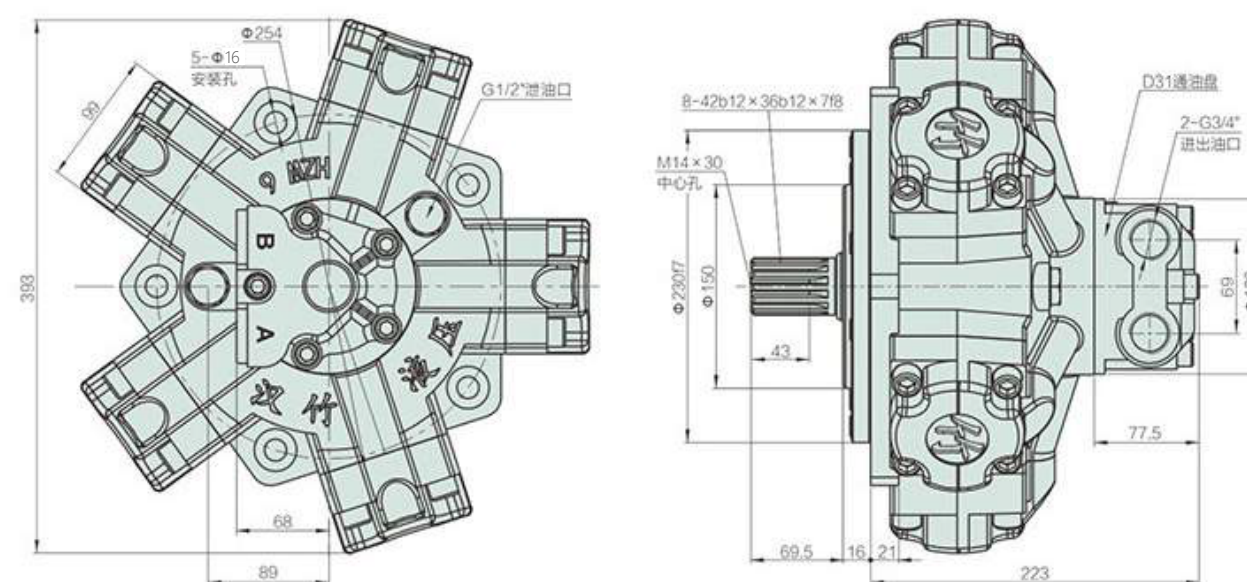
标准内花键: HZW3-**I
Internal spline



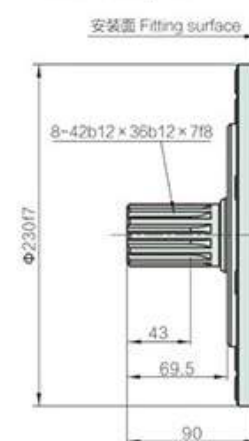
HZW3-300 特性曲线图 Performance



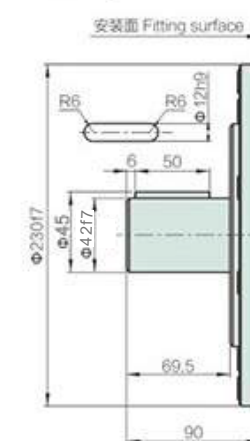
HZW6-400~750 外形尺寸 Dimension



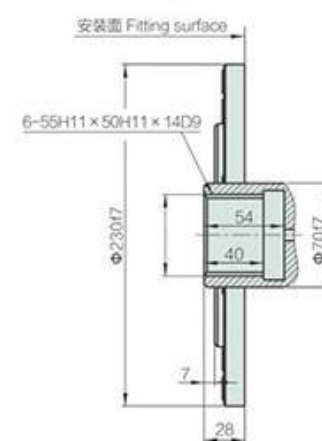
标准外花键: HZW6-**
External spline



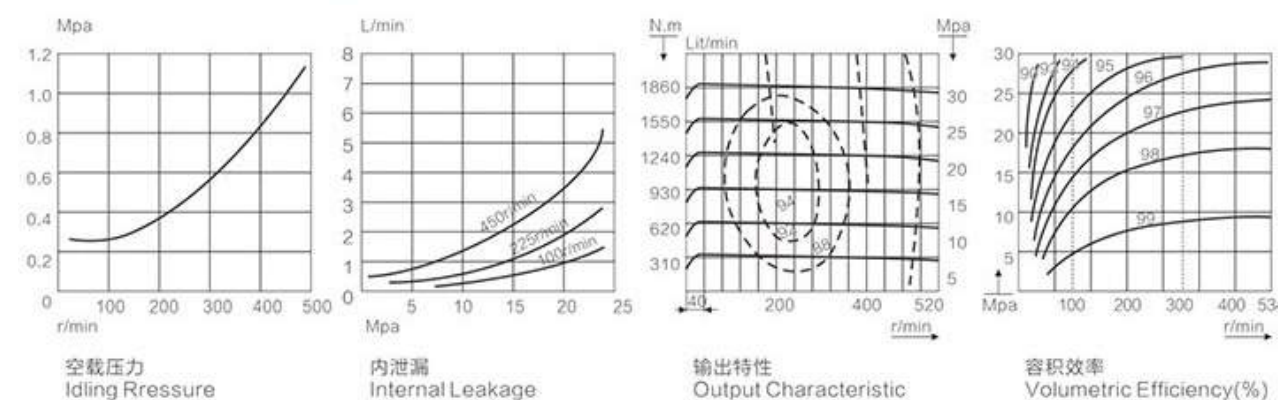
标准平键: HZW6-**B
Flat key



标准内花键: HZW6-**I
Internal spline



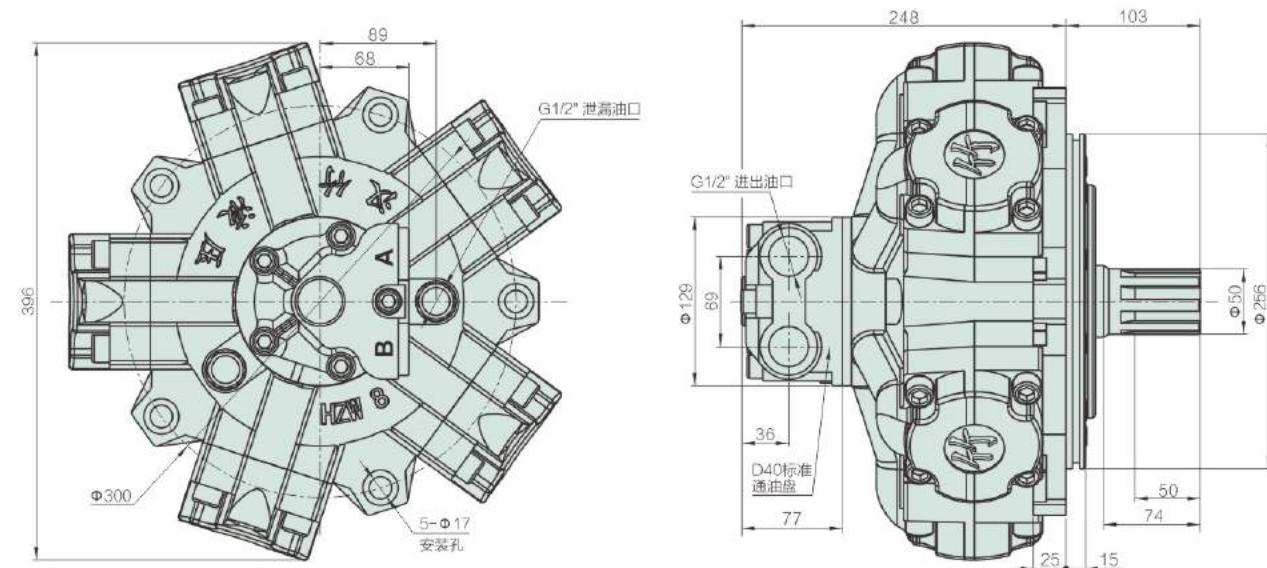
HZW6-500 特性曲线图 Performance



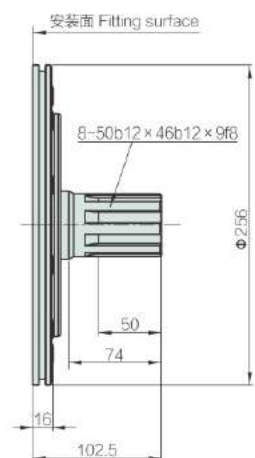
HZW8

品质成就梦想!
Quality achievement dream!

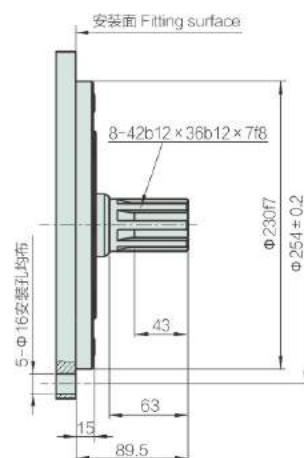
HZW8-600~1000 外形尺寸 Dimension



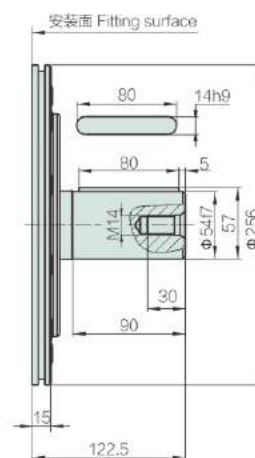
标准外花键: HZW8-**
External spline



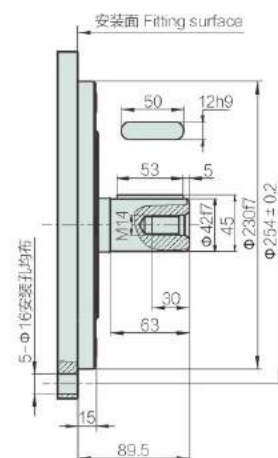
标准外花键: HZW8-**6M
Flat key



标准平键: HZW8-**B
Flat key



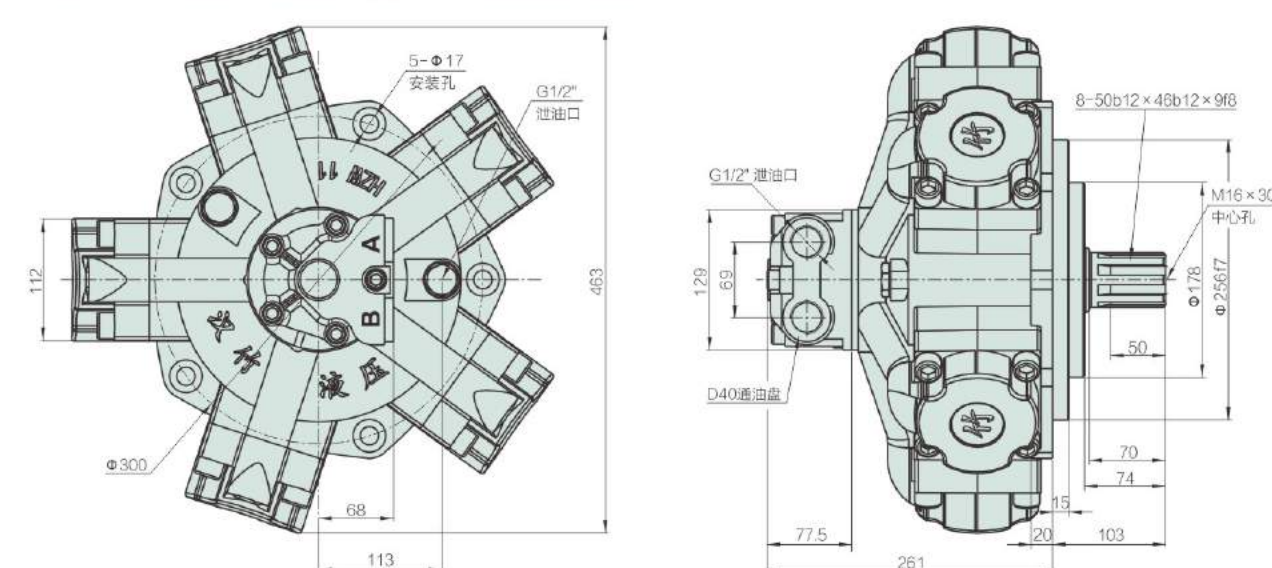
标准平键: HZW8-**6M
Flat key



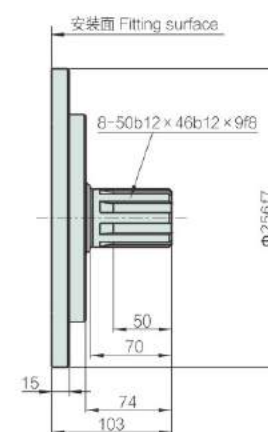
HZW11

品质成就梦想!
Quality achievement dream!

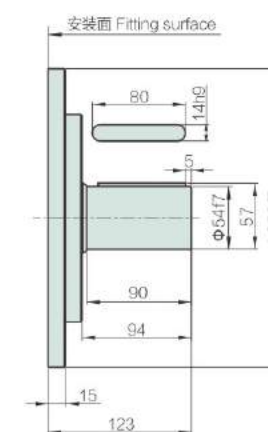
HZW11-700~1400 外形尺寸 Dimension



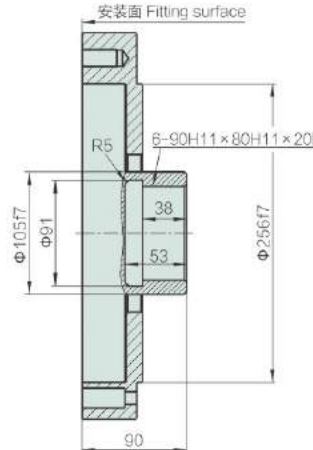
标准外花键: HZW11-**
External spline



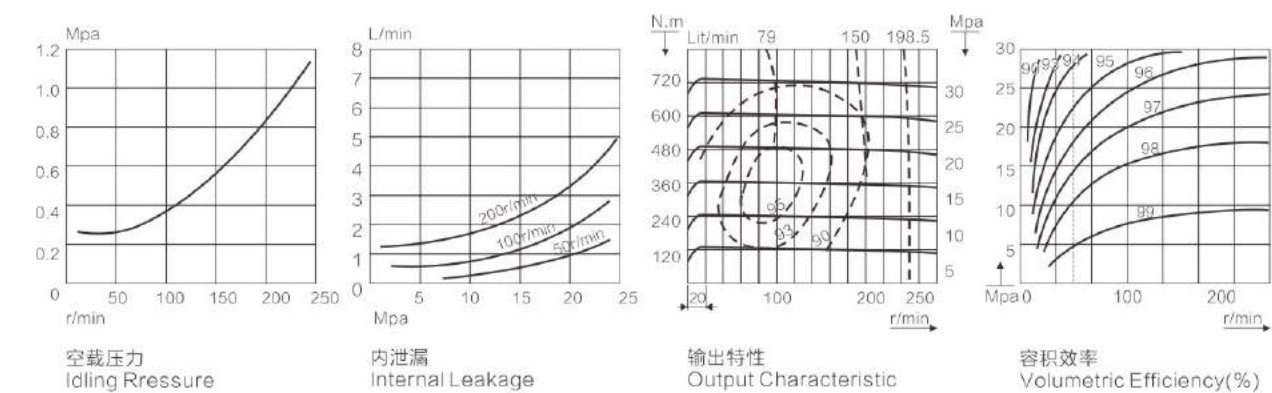
标准平键: HZW11-**B
Flat key



标准内花键: HZW11-**I
Internal spline



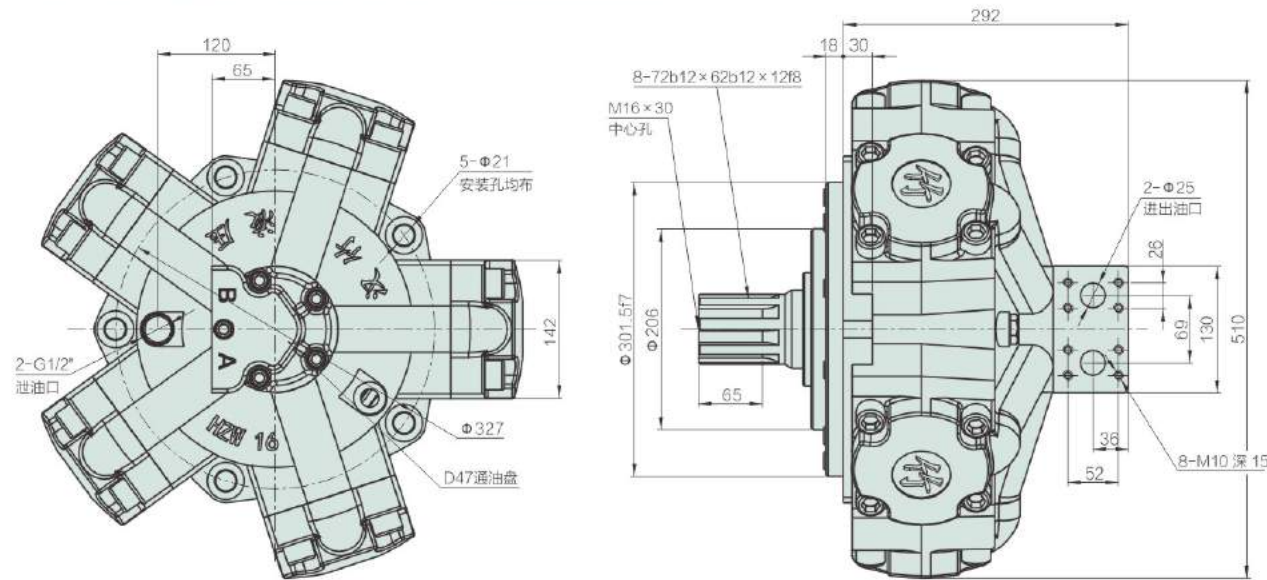
HZW11-800 特性曲线图 Performance



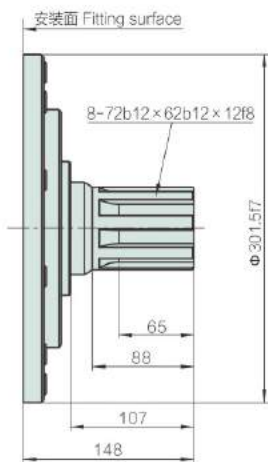
HZW16

品质成就梦想!
Quality achievement dream!

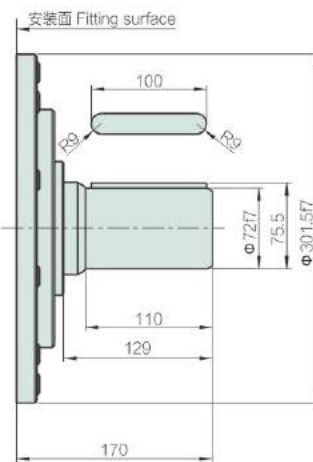
HZW16-1400~3000 外形尺寸 Dimension



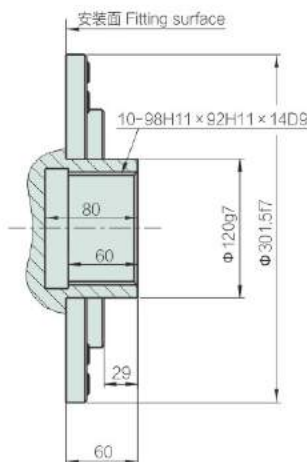
标准外花键: HZW16-**
External spline



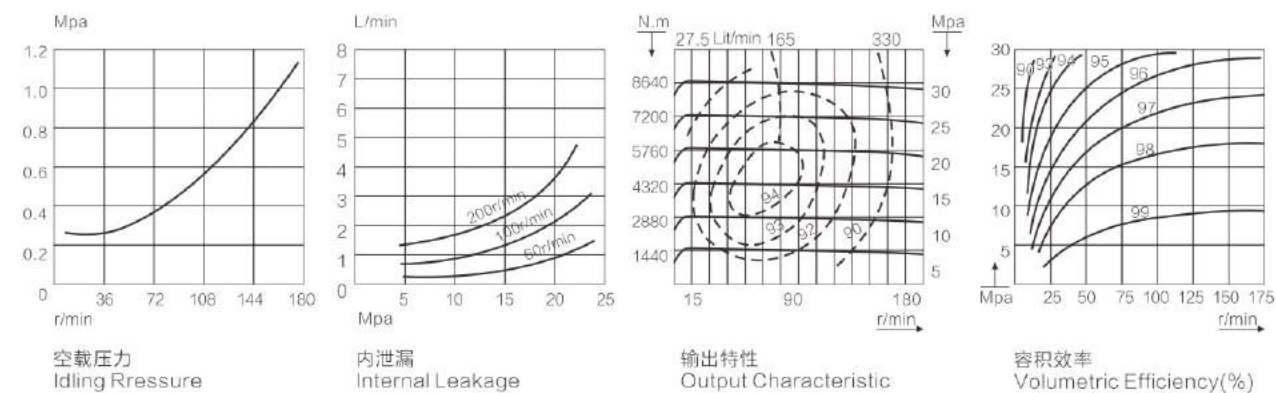
标准平键: HZW16-**B
Flat key



标准内花键: HZW16-**I
Internal spline



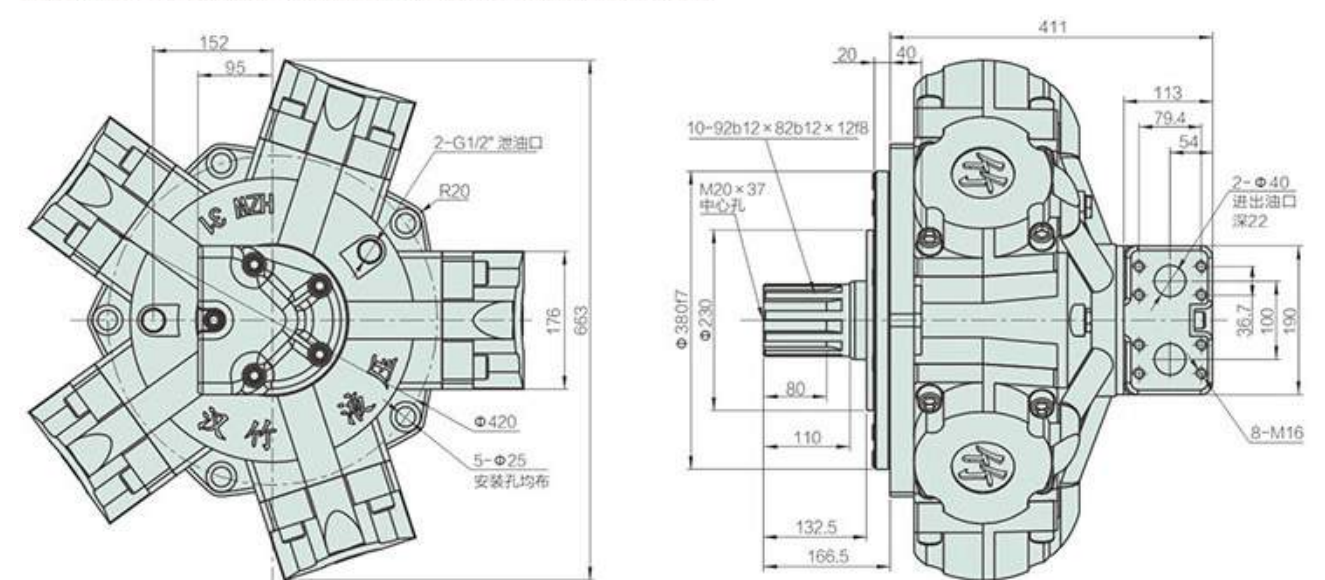
HZW16-1800 特性曲线图 Performance



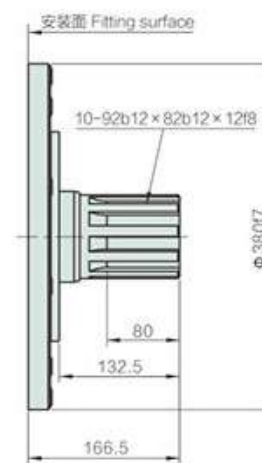
HZW31

品质成就梦想!
Quality achievement dream!

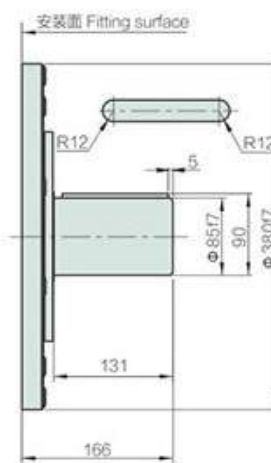
HZW31-2500~5000 外形尺寸 Dimension



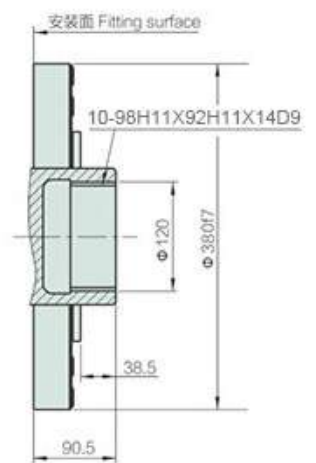
标准外花键: HZW31-**
External spline



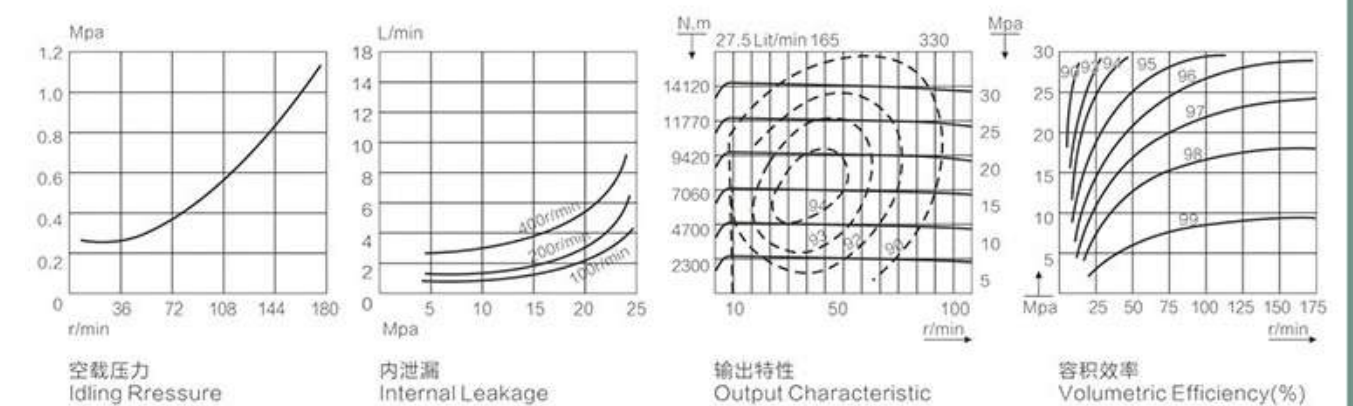
标准平键: HZW31-**B
Flat key



标准内花键: HZW31-**I
Internal spline



HZW31-3150 特性曲线图 Performance

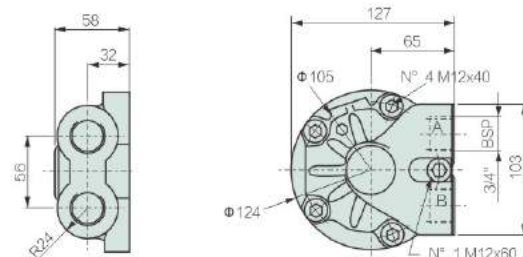


液压马达配流器 Hydraulic motors distributors

品质成就梦想!
Quality achievement dream!

D31

D31配油盘, 油孔为G3/4"
D31 distributor with 3/4" ports.

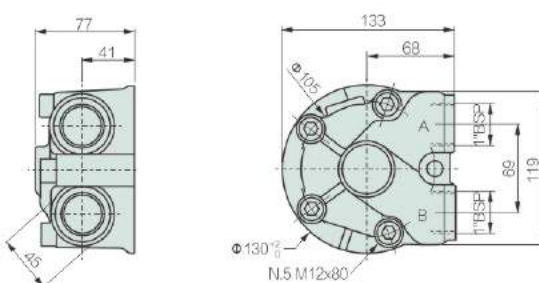


D310

与D31相同, 油口为 G1"
重量: 4kg
Is the same as D31, oil port is G1"
Weight: 4kg

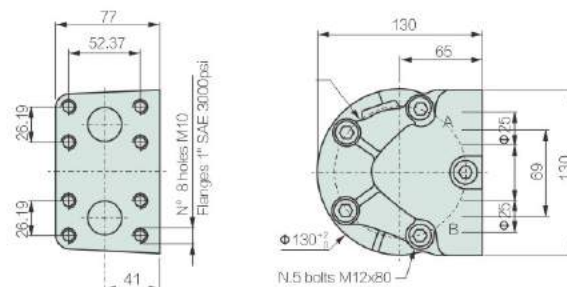
D40

标准配置用配油盘。
重量: 5kg
Standard distributor for motors.
Weight: 5kg



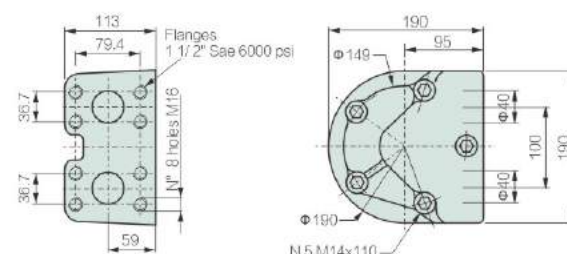
D47

油孔为 $\phi 25$ 的法兰连接配油盘。
重量: 6kg
Distributor with SAE 1" 3000 psi flanges.
Weight: 6kg



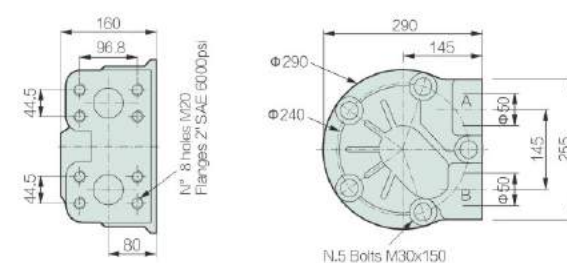
D90

AKS6, HZW31 系列标准配油盘。
重量: 14.5kg
Standard distributor for AKS6, HZW31 series motors.
Weight: 14.5kg



D250

大流量配油盘
重量: 50kg
High flow distributor
Weight: 50kg



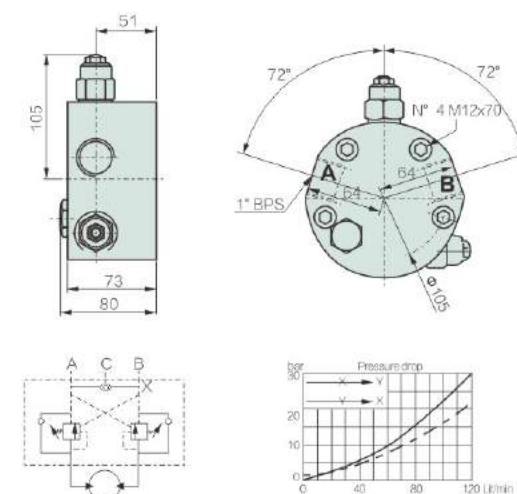
集成式液压配流器 Distributors with integration valve block

品质成就梦想!
Quality achievement dream!

D503

带有双向平衡阀和高压梭阀 (C) 的配油盘
最大流量 120 lit/min
调节比 10: 1
最大压力 265 bar
压力设定=1.3x工作压力
压力设定范围从 100bar 到 350bar
B口背压可能对阀的作用产生不利影响
重量: 5kg

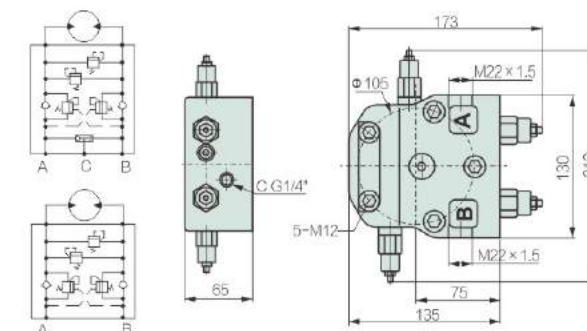
Distributor with double overcentre valve and high pressure pilot line (C)
Max flow 120 lit/min
Pilot ratio 10:1
Max pressure 265 bar.
Pressure setting=1.3x working pressure.
Press. Setting range 100 to 350 bar
Back-pressure in port B may adversely affect operation of the valve
Weight: 5kg



D60221

双向过载阀, 双向平衡阀
高压梭阀
最高设定压力 35MPa
最大流量为 60L/min

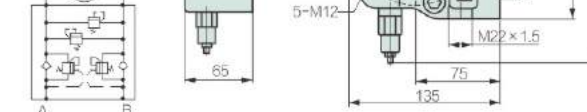
Bidirectional overload valve
Bidirectional counterbalance valve
High pressure shuttle valve
Maximum setting pressure is 35MPa
Maximum flow is 60L/min



D6022

带双向过载阀, 双向平衡阀
最高设定压力 35MPa
最大流量为 60L/min

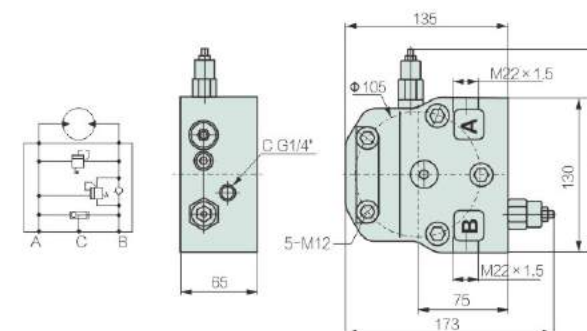
Bidirectional overload valve
Bidirectional counterbalance valve
Maximum setting pressure is 35MPa
Maximum flow is 60L/min



D60111

单向过载阀、单向平衡阀
高压梭阀
最高设定压力 35MPa
最大流量为 60L/min

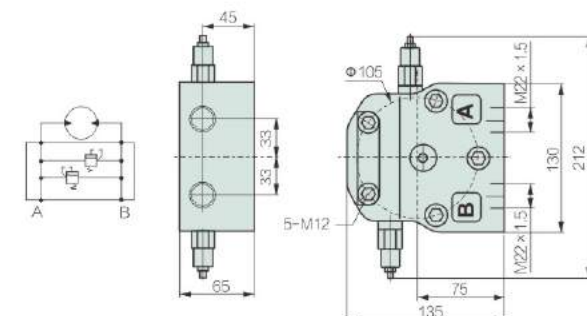
Single overload valve
Single counterbalance valve
High pressure shuttle valve
Maximum setting pressure is 35MPa
Maximum flow is 60L/min



D6002

双向过载阀
最高设定压力 35MPa
最大流量为 60L/min

Bidirectional overload valve
Maximum setting pressure is 35MPa
Maximum flow is 60L/min



集成式液压配流器

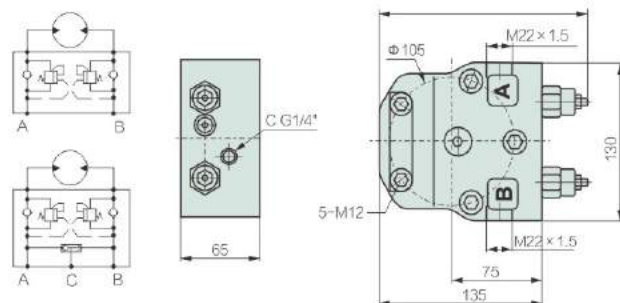
Distributors with integration valve block

品质成就梦想!
Quality achievement dream!

D602

双向平衡阀
最高设定压力35MPa
最大流量为60L/min

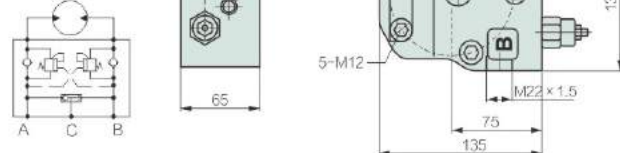
Bidirectional counterbalance valve
Maximum setting pressure is 35MPa
Maximum flow is 60L/min



D60201

双向平衡阀
高压梭阀
最高设定压力35MPa
最大流量为60L/min

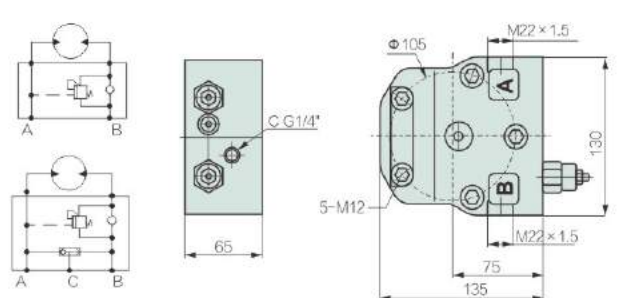
Bidirectional counterbalance valve
High pressure shuttle valve
Maximum setting pressure is 35MPa
Maximum flow is 60L/min



D601

单向平衡阀
最高设定压力35MPa
最大流量为60L/min

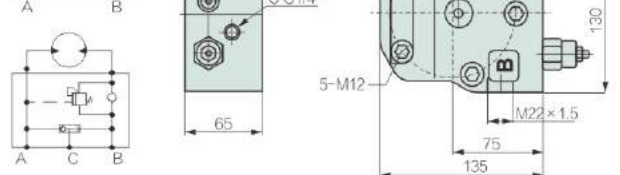
Single counterbalance valve
Maximum setting pressure is 35MPa
Maximum flow is 60L/min



D60101

单向平衡阀
高压梭阀
最高设定压力35MPa
最大流量为60L/min

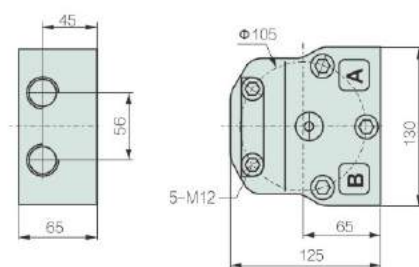
Single counterbalance valve
High pressure shuttle valve
Maximum setting pressure is 35MPa
Maximum flow is 60L/min



D60L

A、B油口为G3/4"
额定压力为32MPa
额定流量为100L/min
(相当于D31)

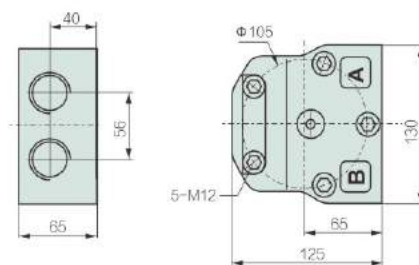
The diameter of port A and port B is G3/4"
Rated pressure is 35MPa
Rated flow is 100L/min
(Equal to D31)



D60LG

A、B油口为M27 x 2
额定压力为32MPa
额定流量为100L/min

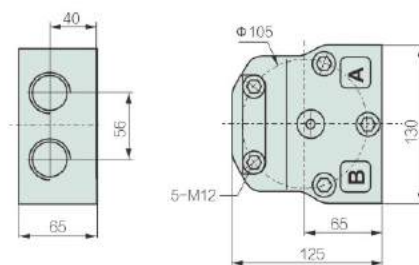
The diameter of port A and port B is M27 x 2
Rated pressure is 35MPa
Rated flow is 100L/min



D60L0

A、B油口为G1"
额定压力为32MPa
额定流量为100L/min
(相当于D310)

The diameter of port A and port B is G1"
Rated pressure is 35MPa
Rated flow is 100L/min
(Equal to D310)



集成式液压配流器

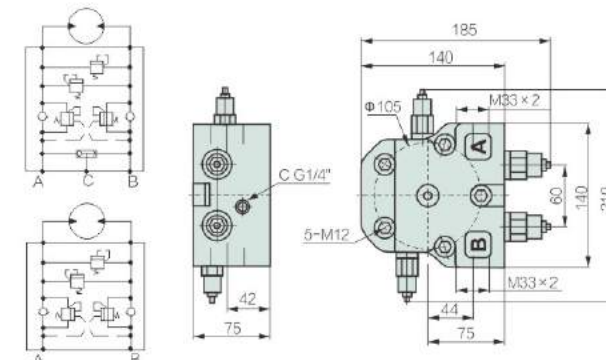
Distributors with integration valve block

品质成就梦想!
Quality achievement dream!

D120221

双向过载阀, 双向平衡阀
高压梭阀
最高设定压力35MPa
最大流量为120L/min

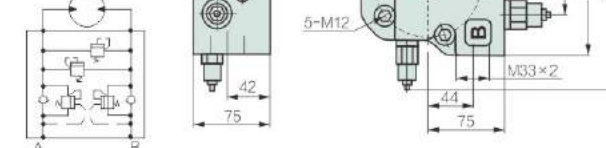
Bidirectional overload valve
Bidirectional counterbalance valve
High pressure shuttle valve
Maximum setting pressure is 35MPa
Maximum flow is 120L/min



D12022

带双向过载阀, 双向平衡阀
最高设定压力35MPa
最大流量为120L/min

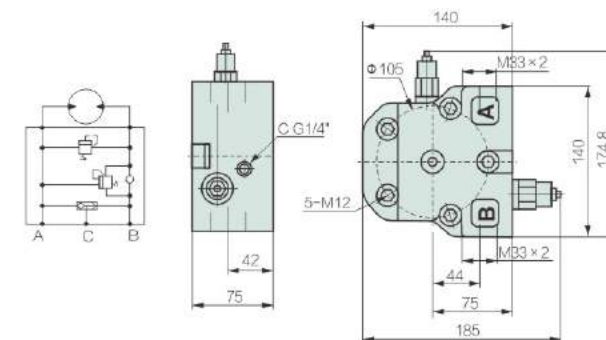
Bidirectional overload valve
Bidirectional counterbalance valve
Maximum setting pressure is 35MPa
Maximum flow is 120L/min



D120111

单向过载阀, 单向平衡阀
高压梭阀
最高设定压力35MPa
最大流量为120L/min

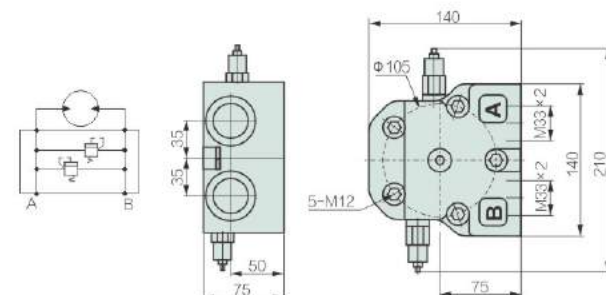
Single overload valve
Single counterbalance valve
High pressure shuttle valve
Maximum setting pressure is 35MPa
Maximum flow is 120L/min



D12002

双向过载阀
最高设定压力35MPa
最大流量为120L/min

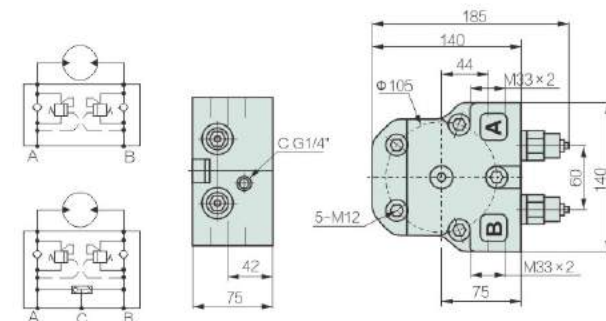
Bidirectional overload valve
Maximum setting pressure is 35MPa
Maximum flow is 120L/min



D1202

双向平衡阀
最高设定压力35MPa
最大流量为120L/min

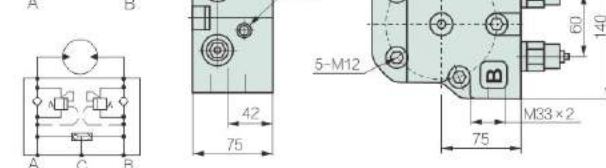
Bidirectional counterbalance valve
Maximum setting pressure is 35MPa
Maximum flow is 120L/min



D120201

双向平衡阀
高压梭阀
最高设定压力35MPa
最大流量为120L/min

Bidirectional counterbalance valve
High pressure shuttle valve
Maximum setting pressure is 35MPa
Maximum flow is 120L/min



集成式液压配流器

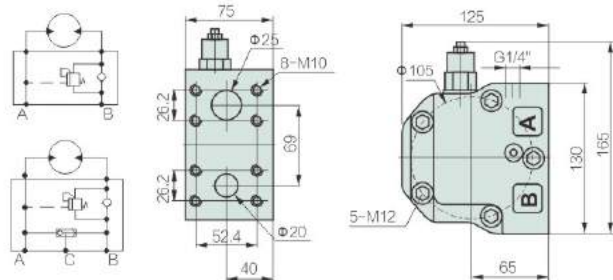
Distributors with integration valve block

品质成就梦想!
Quality achievement dream!

D1201

单向平衡阀
最高设定压力35MPa
最大流量为120L/min

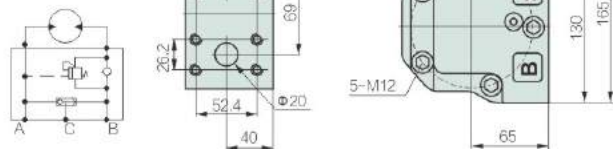
Single counterbalance valve
Maximum setting pressure is 35MPa
Maximum flow is 120L/min



D120101

单向平衡阀
高压梭阀
最高设定压力35MPa
最大流量为120L/min

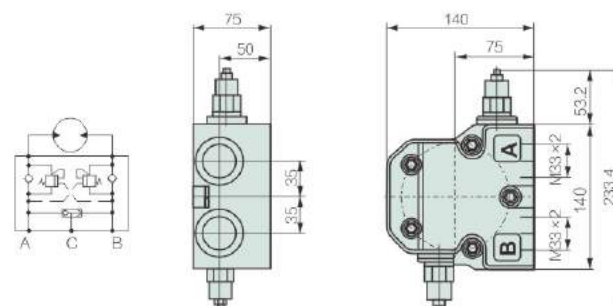
Single counterbalance valve
High pressure shuttle valve
Maximum setting pressure is 35MPa
Maximum flow is 120L/min



D120201

双向平衡阀
高压梭阀
最高设定压力35MPa
最大流量为120L/min

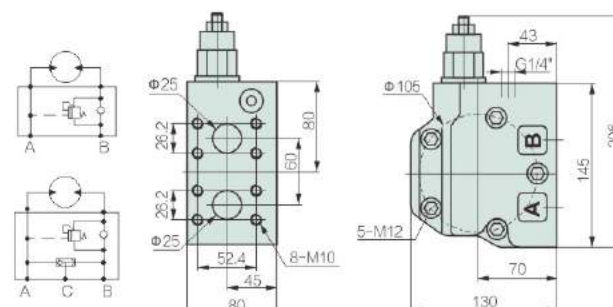
Bidirectional counterbalance valve
High pressure shuttle valve
Maximum setting pressure is 35MPa
Maximum flow is 120L/min



D2401

单向平衡阀
最高设定压力35MPa
最大流量为240L/min

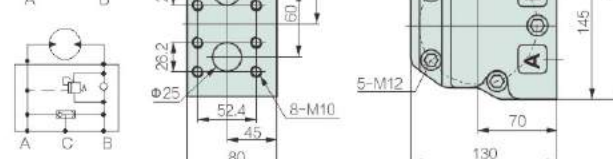
Single counterbalance valve
Maximum setting pressure is 35MPa
Maximum flow is 240L/min



D240101

单向平衡阀
高压梭阀
最高设定压力35MPa
最大流量为240L/min

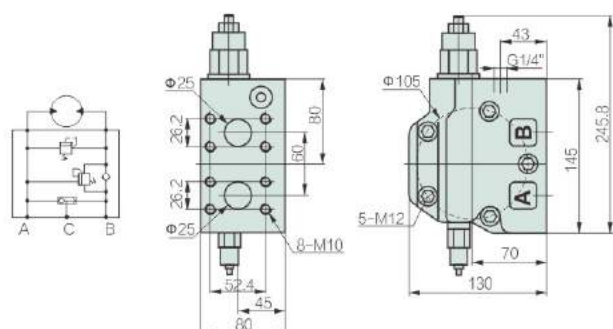
Single counterbalance valve
High pressure shuttle valve
Maximum setting pressure is 35MPa
Maximum flow is 240L/min



D240111

单向平衡阀及单向过载阀
高压梭阀
最高设定压力35MPa
最大流量为240L/min

Single overload valve
Single counterbalance valve
High pressure shuttle valve
Maximum setting pressure is 35MPa
Maximum flow is 240L/min



集成式液压配流器

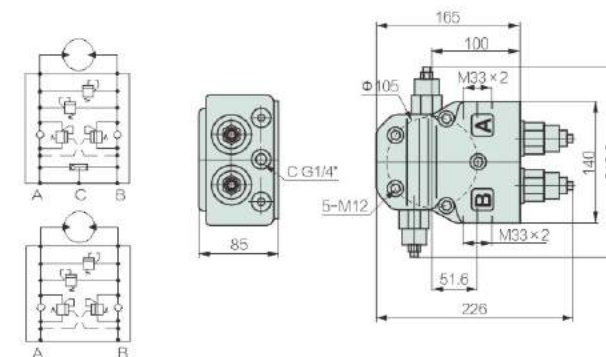
Distributors with integration valve block

品质成就梦想!
Quality achievement dream!

D240221

双向过载阀, 双向平衡阀
高压梭阀
最高设定压力35MPa
最大流量为240L/min

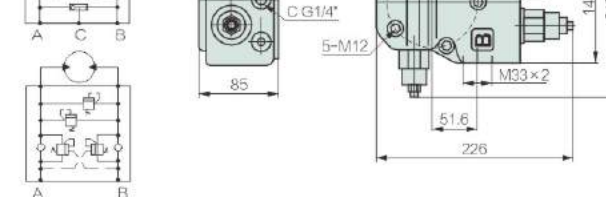
Bidirectional overload valve
Bidirectional counterbalance valve
High pressure shuttle valve
Maximum setting pressure is 35MPa
Maximum flow is 240L/min



D24022

带双向过载阀及平衡阀
最高设定压力35MPa
最大流量为240L/min

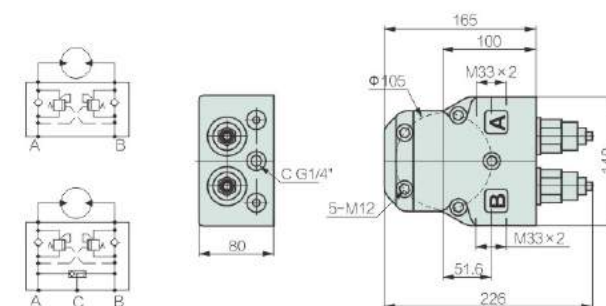
Bidirectional overload valve
Bidirectional counterbalance valve
Maximum setting pressure is 35MPa
Maximum flow is 240L/min



D2402

双向平衡阀
最高设定压力35MPa
最大流量为240L/min

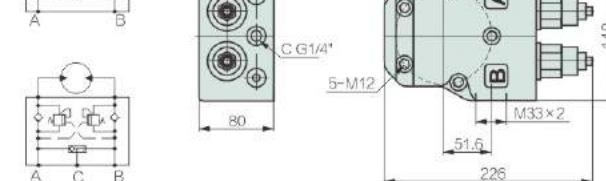
Bidirectional counterbalance valve
Maximum setting pressure is 35MPa
Maximum flow is 240L/min



D240201

双向平衡阀
高压梭阀
最高设定压力35MPa
最大流量为240L/min

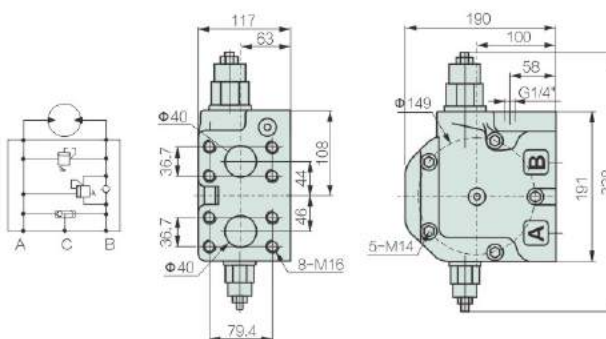
Bidirectional counterbalance valve
High pressure shuttle valve
Maximum setting pressure is 35MPa
Maximum flow is 240L/min



D480111

单向平衡阀及单向过载阀
高压梭阀
最高设定压力35MPa
最大流量为480L/min

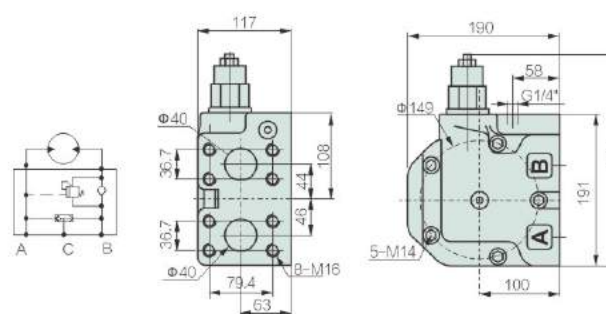
Single overload valve
Single counterbalance valve
High pressure shuttle valve
Maximum setting pressure is 35MPa
Maximum flow is 480L/min



D480101

单向平衡阀
高压梭阀
最高设定压力35MPa
最大流量为480L/min

Single counterbalance valve
High pressure shuttle valve
Maximum setting pressure is 35MPa
Maximum flow is 480L/min



XZ

XZ 系列履带(车轮)液压行走减速机
XZ series track (wheel) hydraulic walking reducer



XZ

品质成就梦想!
Quality achievement dream!

产品概述

XZ系列履带(车轮)液压行走装置由液压马达、制动器、行星减速器、阀组等组成。XZ系列产品为外壳传动,可直接与车轮或履带驱动轮相连接,工作可靠、效率高。XZ系列产品采用高承载圆锥滚子轴承设计,使其完全具备承载挖掘机在工作和转弯时所产生的径向力和轴向力。本产品结构紧凑、外形美观,性能优越,可直接替代进口产品,广泛用于挖钻机、非开挖钻机、岩土钻机、潜孔钻机、旋挖钻机、掘进机的履带行走机构和轨道车辆、工程车辆等设备中。

Product overview

XZ series track (wheel) hydraulic walking device is composed of hydraulic motor, brake, planetary reducer, valve bank and others. XZ series product is housing transmission, it can connect with wheel or caterpillar drive wheel directly, reliable operation and high efficiency. XZ series products are designed by using high load bearing TRB(tapered roller bearing), and make it totally have the radial force and axial force to bearing the force which produced by the excavator's working and turning. The product have compact structure, nice appearance and superior performance features, can directly replace the imported products. The products are widely used in the track walking device of drilling rig, trenchless drilling rig, geotechnical drilling rig, down-the-hole drill, rotary drilling rig and heading machine, and other devices of railway vehicles and engineering vehicles.

型号说明 Description of model

XZ	A	—	※※	P
				带阀组 With valve bank
				额定扭矩 (N.m) Rated torque
				产品系列基型编号 Product series basic type number
				宁波汉竹液压履带(车轮)液压行走马达 Ningbo HANZHU hydraulic track (wheel) hydraulic walking reducer

XZ					
					省略表示只有液压制动功能, Z表示带制动器。 Ellipsis means only has the function of hydraulic brake Z----with brake
					液压马达配流器型号 Type of hydraulic motor's distributor
					总排量 (ml/r) Displacement
					设计序列标记, 如: A、B、C等等 Sign of serial design, eg: A, B, C etc.
					行星减速器齿轮模数及减速级数标记 Gear modulus of planetary gear redcer & grade
					宁波汉竹液压履带(车轮)液压行走马达 Ningbo HANZHU hydraulic track (wheel) hydraulic walking reducer



24小时服务热线: 0574-86596935

HZH series

Distributor

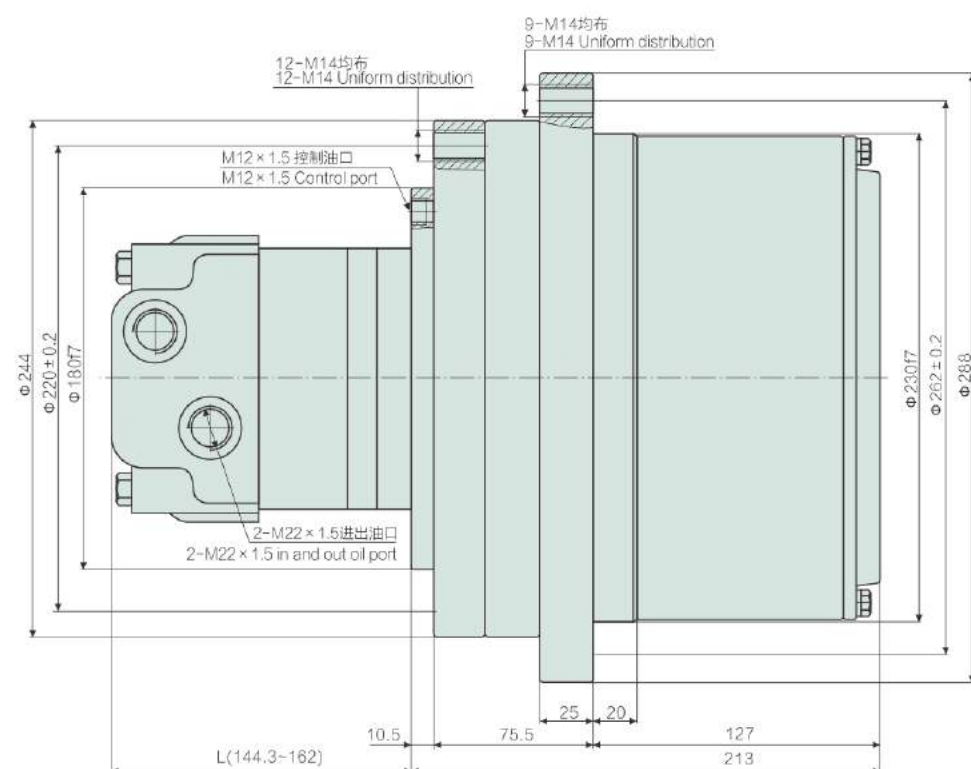
XZ series

WK series

WKY series

WKH series

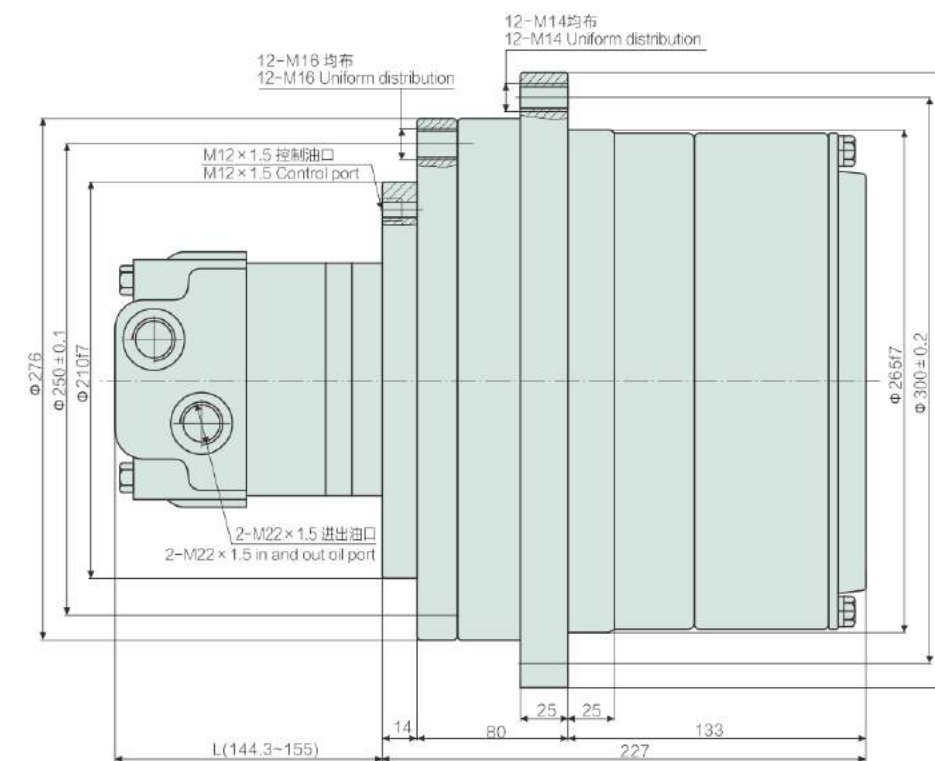
外形尺寸 Contour dimension



技术参数 Technical data

型号 Model	额定扭矩 Rated Torque (N.m)	转速范围 Speed range (r/min)	最高压力 Peak pressure (Mpa)	配用马达 Hydraulic motor	减速比 Ratio of gearbox	制动器 Braker		重量 Weight (kg)
						静制动扭矩 Braker torque (N.m)	最小开启压力 Releasing pressure (Mpa)	
XZA-3100	3150	1-64	21	2W-195	6	2500	2.0	70
XZA-2600	2690	1-79	21	2W-160	6	2500	2.0	70
XZA-2200	2280	1-96	21	2W-130	6	2500	2.0	70
XZA-1700	1740	1-123	21	2W-100	6	2500	2.0	70
XZA-1300	1390	1-133	21	2W-80	6	2500	2.0	70

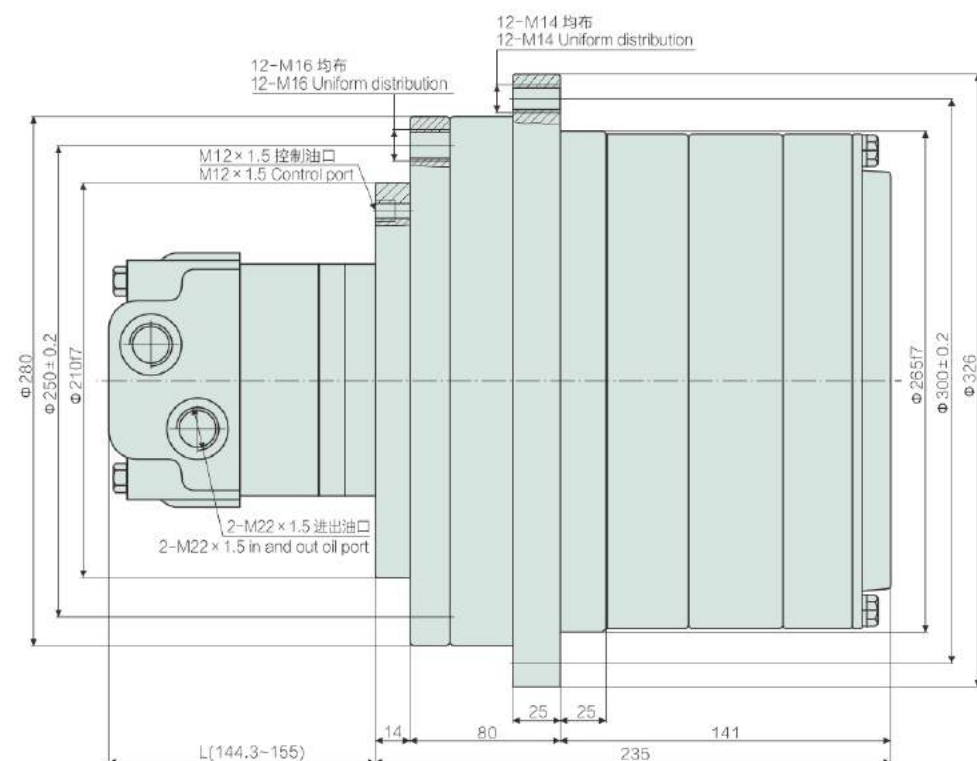
外形尺寸 Contour dimension



技术参数 Technical data

型号 Model	额定扭矩 Rated Torque (N.m)	转速范围 Speed range (r/min)	最高压力 Peak pressure (Mpa)	配用马达 Hydraulic motor	减速比 Ratio of gearbox	制动器 Braker		重量 Weight (kg)
						静制动扭矩 Braker torque (N.m)	最小开启压力 Releasing pressure (Mpa)	
XZC-7500	7500	0.5-28	21	2W-160	17	5000	2.3	100
XZC-6000	6400	0.5-33	21	2W-130	17	5000	2.3	100
XZC-4900	4920	0.5-43	21	2W-110	17	5000	2.3	100
XZC-3900	3900	0.5-47	21	2W-80	17	5000	2.3	100

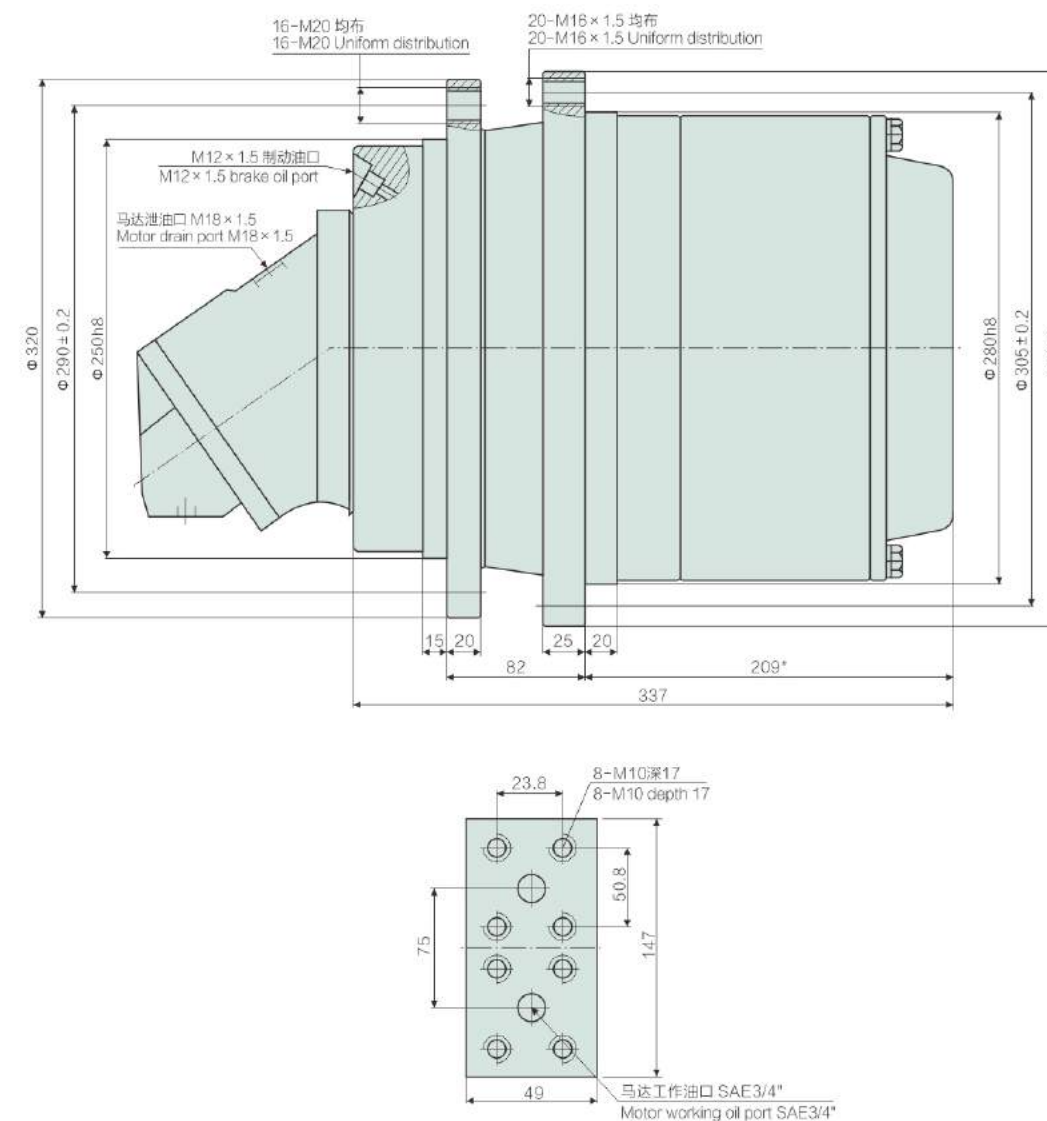
外形尺寸 Contour dimension



技术参数 Technical data

型号 Model	额定扭矩 Rated Torque (N.m)	转速范围 Speed range (r/min)	最高压力 Peak pressure (Mpa)	配用马达 Hydraulic motor	减速比 Ratio of gearbox	制动器 Braker		重量 Weight (kg)
						静制动扭矩 Braker torque (N.m)	最小开启压力 Releasing pressure (Mpa)	
XZD-10000	10700	0.4~19	21	2W-160	24	8000	2.5	115
XZD-9000	9100	0.4~24	21	2W-130	24	8000	2.5	115
XZD-6900	6900	0.4~30	21	2W-100	24	8000	2.5	115
XZD-5500	5500	0.4~33	21	2W-80	24	8000	2.5	115

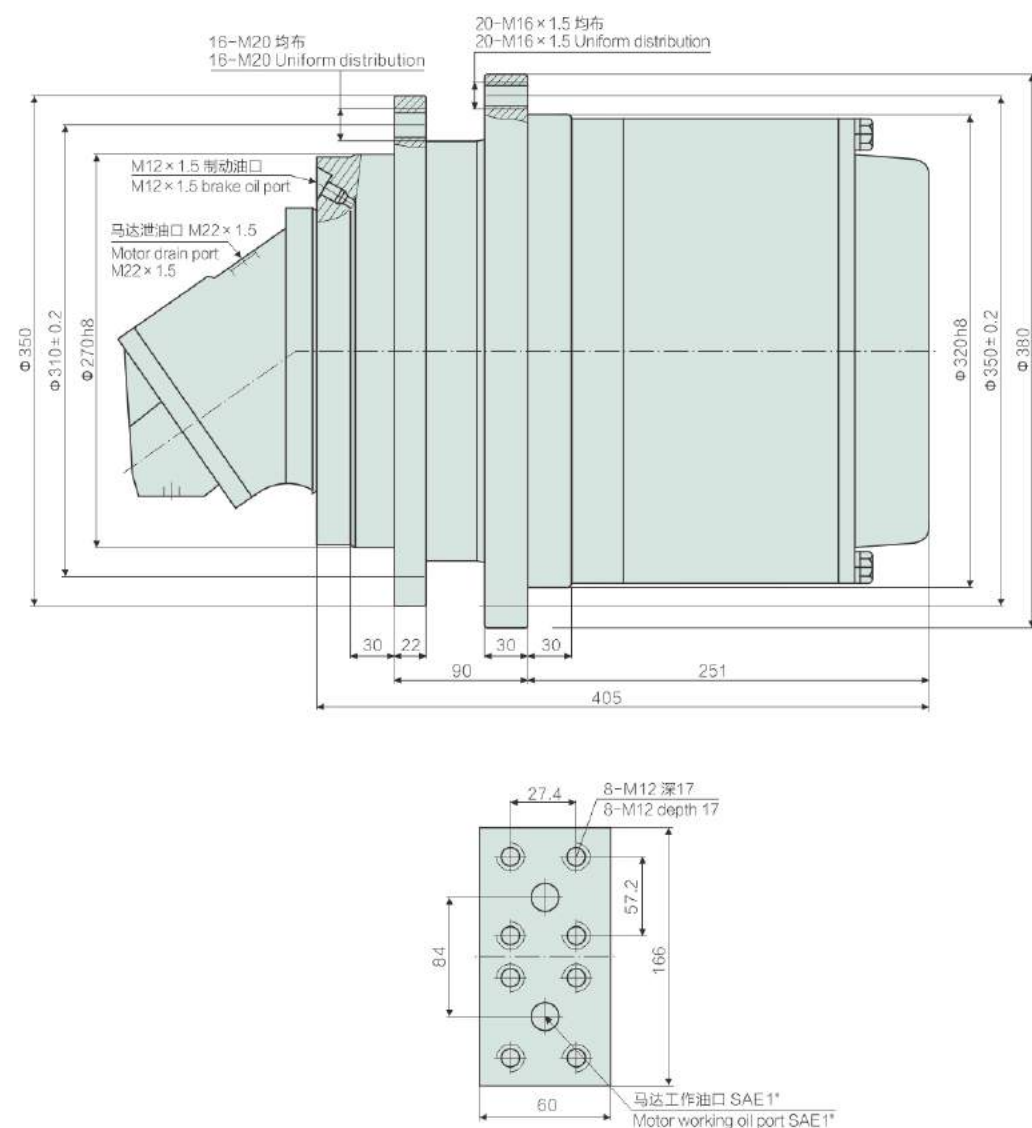
外形尺寸 Contour dimension



技术参数 Technical data

型号 Model	额定扭矩 Rated Torque (N.m)	转速范围 Speed range (r/min)	最高压力 Peak pressure (Mpa)	配用马达 Hydraulic motor	减速比 Ratio of gearbox	制动器 Braker		重量 Weight (kg)
						静制动扭矩 Braker torque (N.m)	最小开启压力 Releasing pressure (Mpa)	
XZ-18000	18000	0.1~25	31.5	A2FE56(63)	107	≤8000	1~2.5	180
XZ-24000	24000	0.1~23	31.5	A2FE56(63)	123	≤8000	1~2.5	180

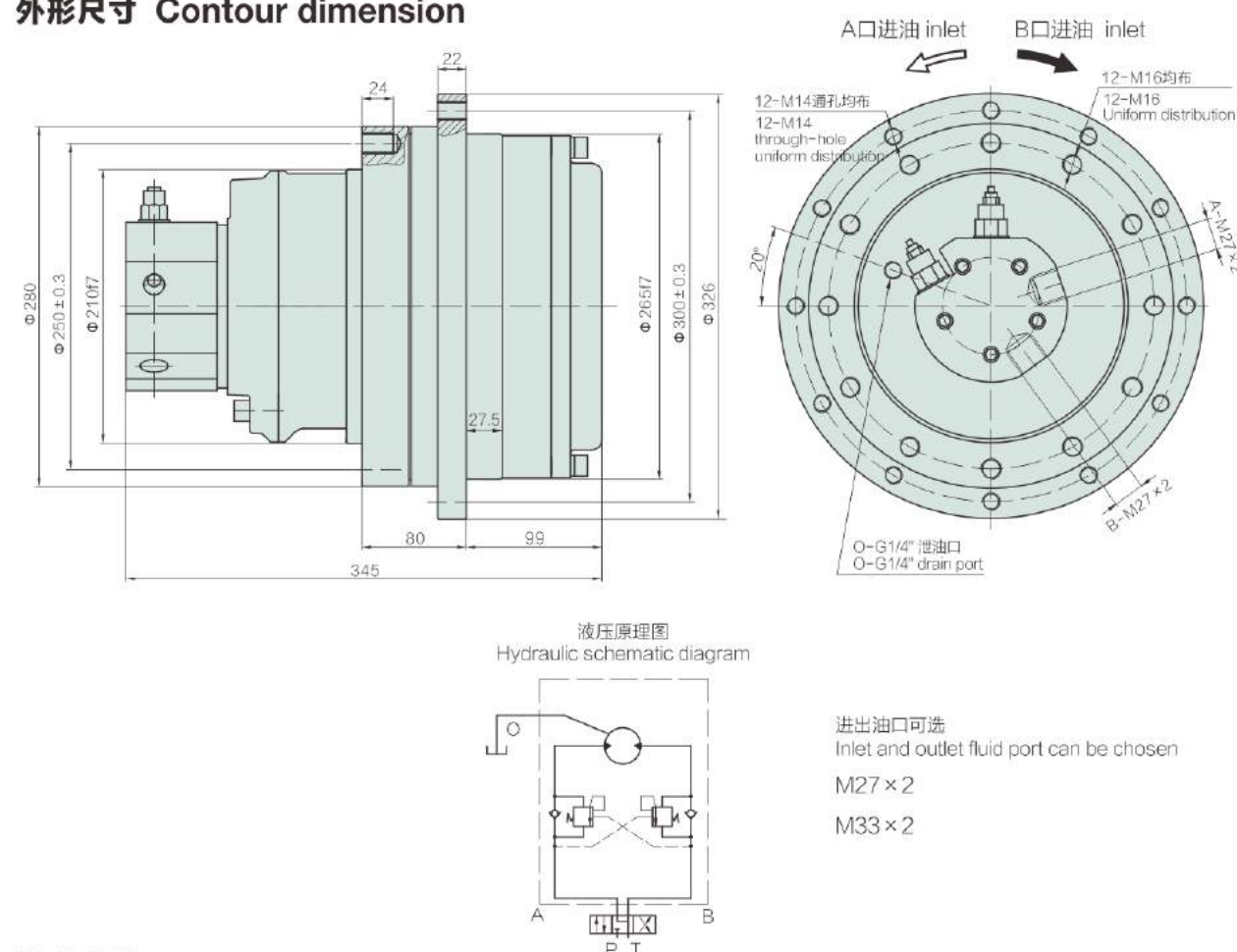
外形尺寸 Contour dimension



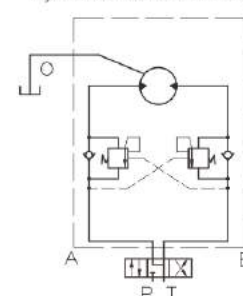
技术参数 Technical data

型号 Model	额定扭矩 Rated Torque (N.m)	转速范围 Speed range (r/min)	最高压力 Peak pressure (Mpa)	配用马达 Hydraulic motor	减速比 Ratio of gearbox	制动器 Braker		重量 Weight (kg)
						静制动扭矩 Braker torque (N.m)	最小开启压力 Releasing pressure (Mpa)	
XZ-30000	30000	0.1~21	31.5	A2FE80(90)	125	≤8500	1~2.5	200
XZ-36000	36000	0.1~20	31.5	A2FE80(90)	131	≤8500	1~2.5	220

外形尺寸 Contour dimension



液压原理图
Hydraulic schematic diagram



进出口可选
Inlet and outlet fluid port can be chosen
M27×2
M33×2

技术参数 Technical data

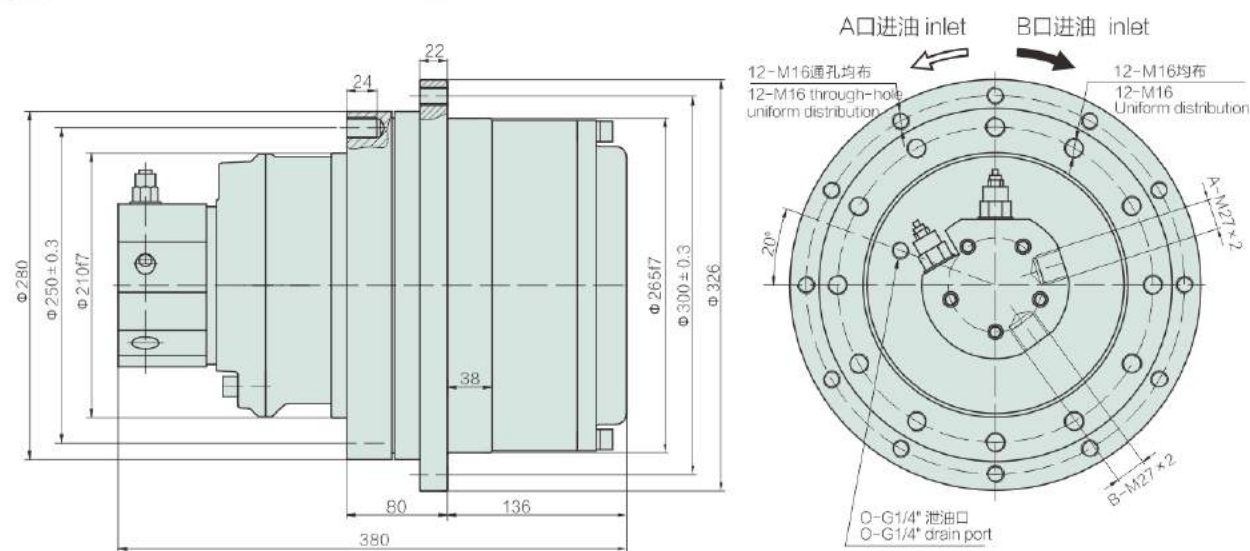
型号 Model	扭矩 Torque (N.m)		转速范围 Speed range (r/min)	传动比 Rotating ratio	压力 Pressure (Mpa)		总排量 Displacement (ml/r)	液压马达 Hydraulic motor		重量 Weight (kg)	适用机重 Applicative machine weight (T)
	额定 Rated	最高 Peak			额定 Rated	最高 Peak		型号 Model	排量 (ml/r) Displacement		
XZ2.5A-1200D1202002	3100	3880	1~90	6	20	25	1146	HZH05-200D1202002	191	55	4~5
XZ2.5A-1000D1202002	2670	3320	1~90	6	20	25	996	HZH05-170D1202002	166	55	4
XZ2.5A-900D1202002	2430	3040	1~90	6	20	25	906	HZH05-150D1202002	151	55	3.5
XZ2.5A-800D1202002	2080	2590	1~90	6	20	25	774	HZH05-130D1202002	129	55	3
XZ2.5A-700D1202002	1850	2300	1~90	6	20	25	690	HZH05-110D1202002	115	55	2.5
XZ2.5A-570D1202002	1550	1940	1~180	3	20	25	573	HZH05-200D1202002	191	60	4~5
XZ2.5A-520D1202002	1380	1730	1~90	6	20	25	516	HZH05-90D1202002	86	55	2
XZ2.5A-500D1202002	1335	1660	1~180	3	20	25	498	HZH05-170D1202002	166	60	4
XZ2.5A-450D1202002	1190	1490	1~90	6	20	25	444	HZH05-75D1202002	74	55	1~2
XZ2.5A-450D1202002	1215	1520	1~180	3	20	25	453	HZH05-150D1202002	151	60	3.5
XZ2.5A-390D1202002	1040	1295	1~180	3	20	25	387	HZH05-130D1202002	129	60	3
XZ2.5A-350D1202002	925	1150	1~180	3	20	25	345	HZH05-110D1202002	115	60	2.5
XZ2.5A-260D1202002	690	865	1~180	3	20	25	258	HZH05-90D1202002	86	60	2
XZ2.5A-220D1202002	595	745	1~180	3	20	25	222	HZH05-75D1202002	74	60	1~2

注: 1. 额定扭矩是在考虑系统压力损失1Mpa和行星减速器效率以及液压马达机械效率的情况下计算, 并对末位数圆整得来。
2. 马达泄油口 O 需直接回油箱。
Note: 1. rated torque is calculated under the condition of considering about system pressure loss 1 Mpa, planetary reducer efficiency and motor's mechanical efficiency.
2. motor's leaking hole O require to return to tank directly.

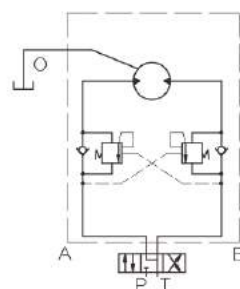
XZ2.5 2.5A

品质成就梦想!
Quality achievement dream!

外形尺寸 Contour dimension



液压原理图
Hydraulic schematic diagram



进油口可选
Inlet fluid port can be chosen
M27 × 2
M33 × 2

技术参数 Technical data

型号 Model	扭矩 Torque (N.m)		转速范围 Speed range (r/min)	传动比 Rotating ratio	压力 Pressure (Mpa)		总排量 Displacement (ml/r)	液压马达 Hydraulic motor		重量 Weight (kg)	适用机重 Applicative machine weight (T)	
	额定 Rated	最高 Peak			额定 Rated	最高 Peak		型号 Model	排量 (ml/r) Displacement		挖掘机 Excavator	钻机 Drilling machine
XZ2.5 2.5A-3600D1202002	6000	7500	0.4~30	19	14	17	3629	HZH05-200D1202002	191	80	4~6	6~12
XZ2.5 2.5A-3200D1202002	6000	7500	0.4~30	19	16	19.5	3154	HZH05-170D1202002	166	80	4~6	6~12
XZ2.5 2.5A-2900D1202002	6000	7500	0.4~30	19	17	21	2869	HZH05-150D1202002	151	80	4~6	6~12
XZ2.5 2.5A-2500D1202002	6000	7500	0.4~30	19	19	24	2451	HZH05-130D1202002	129	80	4~6	6~12
XZ2.5 2.5A-2200D1202002	6000	7500	0.4~30	19	22	28	2185	HZH05-110D1202002	115	80	4~6	6~12
XZ2.5 2.5A-1600D1202002	4670	5840	0.4~30	19	22	28	1634	HZH05-90D1202002	86	80	4~6	6~12
XZ2.5 2.5A-1400D1202002	4020	5030	0.4~30	19	22	28	1406	HZH05-75D1202002	74	80	4~6	6~12
XZ2.5 2.5A-5200D1202002	6000	7500	0.3~20	27	10	13	5157	HZH05-200D1202002	191	80	4~6	6~12
XZ2.5 2.5A-4500D1202002	6000	7500	0.3~20	27	12	15.5	4482	HZH05-170D1202002	166	80	4~6	6~12
XZ2.5 2.5A-4100D1202002	6000	7500	0.3~20	27	13	17	4077	HZH05-150D1202002	151	80	4~6	6~12
XZ2.5 2.5A-3500D1202002	6000	7500	0.3~20	27	16	20.5	3483	HZH05-130D1202002	129	80	4~6	6~12

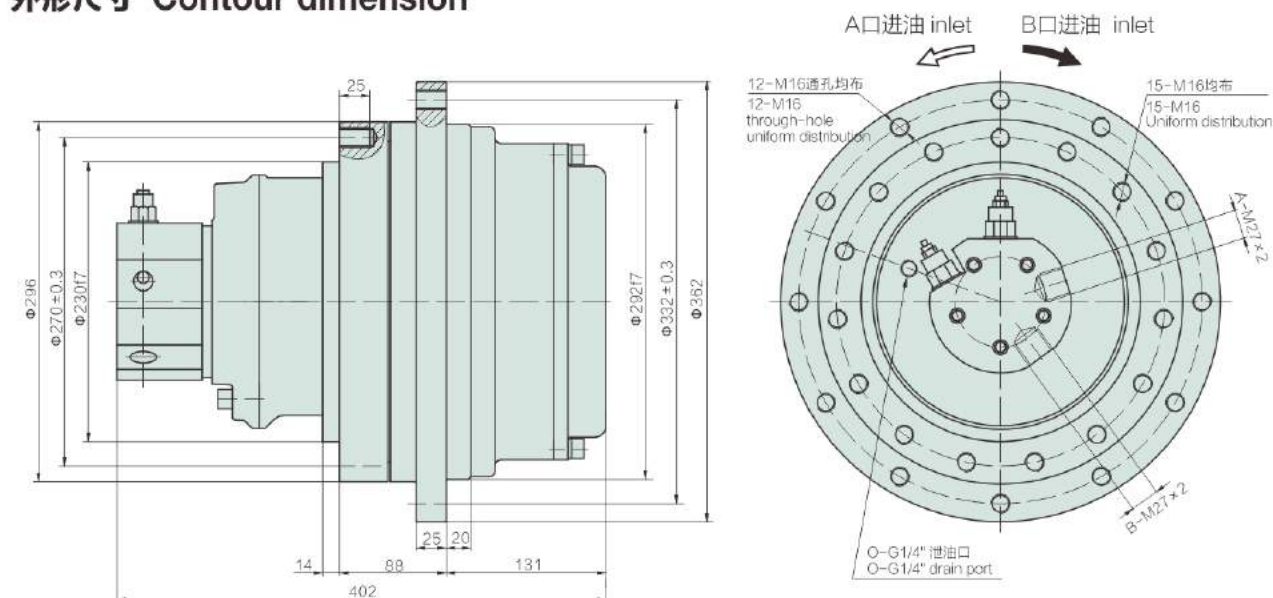
注: 1. 额定扭矩是在考虑系统压力损失1Mpa和行星减速器效率以及液压马达机械效率的情况下计算, 并对末位数圆整得来。
2. 马达泄漏口 O 需直接回油箱。

Note: 1. rated torque is calculated under the condition of considering about system pressure loss 1 Mpa, planetary reducer efficiency and motor's mechanical efficiency.
2. motor's leaking hole O require to return to tank directly.

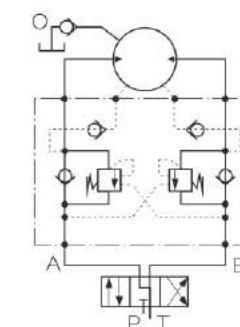
XZ2.5 2.5B

品质成就梦想!
Quality achievement dream!

外形尺寸 Contour dimension



液压原理图
Hydraulic schematic diagram



进油口可选
Inlet fluid port can be chosen
M27 × 2
M33 × 2

技术参数 Technical data

型号 Model	扭矩 Torque (N.m)		转速范围 Speed range (r/min)	传动比 Rotating ratio	压力 Pressure (Mpa)		总排量 Displacement (ml/r)	液压马达 Hydraulic motor		重量 Weight (kg)	适用机重 Applicative machine weight (T)	
	额定 Rated	最高 Peak			额定 Rated	最高 Peak		型号 Model	排量 (ml/r) Displacement		挖掘机 Excavator	钻机 Drilling machine
XZ2.5 2.5B-4600D2402002	9600	12000	0.25~25	24	17	21	4584	HZH05-200D2402002	191	100	8~10	
XZ2.5 2.5B-4000D2400002	9600	12000	0.25~25	24	19	23	3984	HZH05-170D2402002	166	100	8~10	
XZ2.5 2.5B-3600D2402002	9600	12000	0.25~25	24	20	25	3624	HZH05-150D2402002	151	100	8~10	
XZ2.5 2.5B-3100D2402002	9500	12000	0.25~25	24	23	29	3096	HZH05-130D2402002	129	100	8~10	
XZ2.5 2.5B-2800D2402002	8470	10600	0.25~25	24	23	29	2760	HZH05-110D2402002	115	100	8~10	
XZ2.5 2.5B-2100D2402002	9330	7920	0.25~25	24	23	29	2064	HZH05-90D2402002	86	100	8~10	

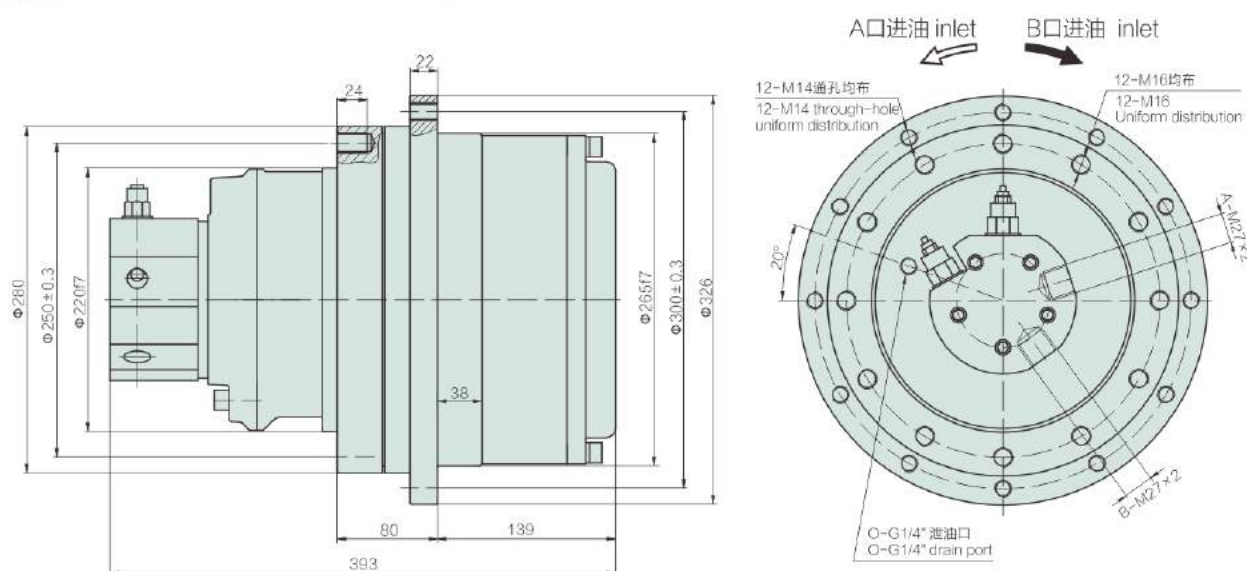
注: 1. 额定扭矩是在考虑系统压力损失1Mpa和行星减速器效率以及液压马达机械效率的情况下计算, 并对末位数圆整得来。
2. 马达泄漏口 O 需直接回油箱。

Note: 1. rated torque is calculated under the condition of considering about system pressure loss 1 Mpa, planetary reducer efficiency and motor's mechanical efficiency.
2. motor's leaking hole O require to return to tank directly.

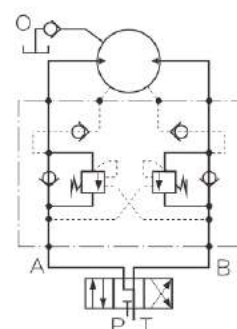
XZ2.5 3B

品质成就梦想!
Quality achievement dream!

外形尺寸 Contour dimension



液压原理图
Hydraulic schematic diagram



进出油口可选
Inlet and outlet fluid port can be chosen
M27 × 2
M33 × 2

技术参数 Technical data

型 号 Model	扭矩 Torque (N.m)		转速范围 Speed range (r/min)	传动比 Rotating ratio	压力 Pressure (Mpa)		总排量 Displacement (ml/r)	液压马达 Hydraulic motor		重量 Weight (kg)	适用机重 Applicative machine weight (T)
	额定 Rated	最高 Peak			额定 Rated	最高 Peak		型 号 Model	排量 (ml/r) Displacement		
XZ2.5 3B-3800D2402012Z	10500	14000	0.3~30	19	21	25	3629	HZH05-200D240201	191	100	8~12
XZ2.5 3B-2900D2402012Z	8500	10600	0.3~30	19	23	29	2869	HZH05-150D240201	151	100	8~10
XZ2.5 3B-2500D2402012Z	7260	9090	0.3~30	19	23	29	2451	HZH05-130D240201	129	100	8~10
XZ2.5 3B-2200D2402012Z	6470	8100	0.3~30	19	23	29	2185	HZH05-110D240201	115	100	6~8
XZ2.5 3B-1800D2402012Z	4840	6050	0.3~30	19	23	29	1634	HZH05-90D240201	86	100	6~8
XZ2.5 3B-1400D2402012Z	4160	5200	0.3~30	19	23	29	1406	HZH05-75D240201	74	100	6~8

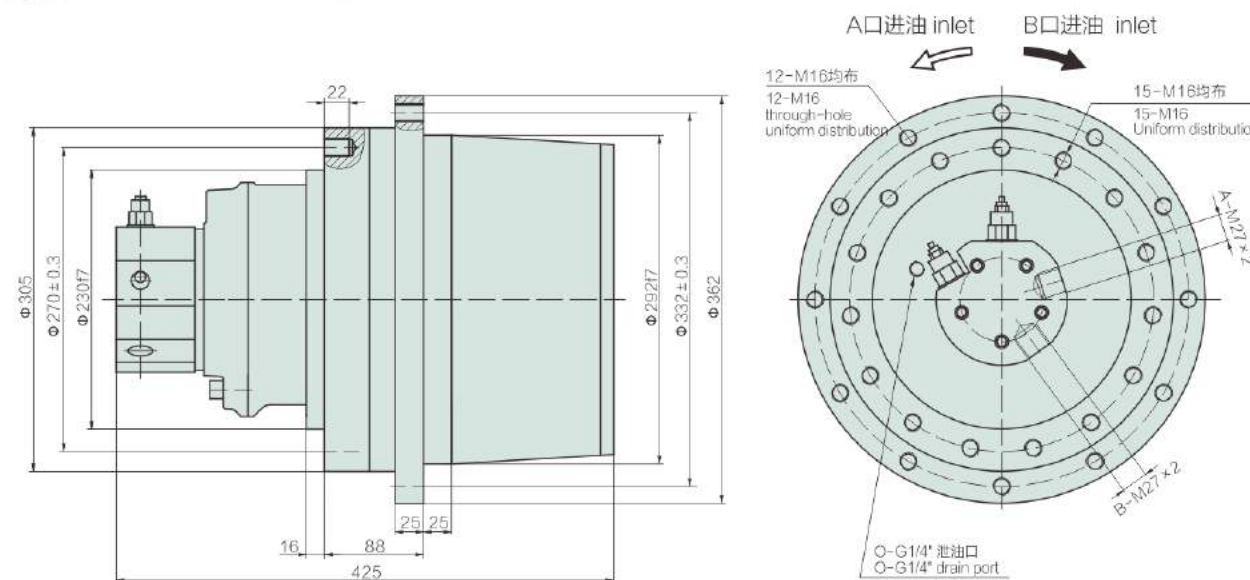
注: 1. 额定扭矩是在考虑系统压力损失1Mpa和行星减速机效率以及液压马达机械效率的情况下计算, 并对末位数圆整得来。
2. 马达泄油口 O 需直接回油箱。

Note: 1. rated torque is calculated under the condition of considering about system pressure loss 1 Mpa, planetary reducer efficiency and motor's mechanical efficiency.
2. motor's leaking hole O require to return to tank directly.

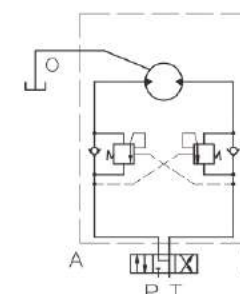
XZ3 3

品质成就梦想!
Quality achievement dream!

外形尺寸 Contour dimension



液压原理图
Hydraulic schematic diagram



进出油口可选
Inlet and outlet fluid port can be chosen
M27 × 2
M33 × 2
G1"

技术参数 Technical data

型 号 Model	输出扭矩 Output Torque (N.m)	转速范围 Speed range (r/min)	传动比 Rotating ratio	额定压力 Rated Pressure (Mpa)	总排量 Displacement (ml/r)	液压马达 Hydraulic motor		重量 Weight (kg)	适用机重 Applicative machine weight (T)
						型 号 Model	排量 (ml/r) Displacement		
XZ3 3-5000D503	14200	0.2~20	26.43	20	5048	HZH05-200D503	191	130	8~10
XZ3 3-4000D503	10600	0.2~20	26.43	20	3991	HZH05-150D503	151	130	8~10
XZ3 3-3000D503	8890	0.2~20	26.43	20	3039	HZH05-110D503	115	130	8~10

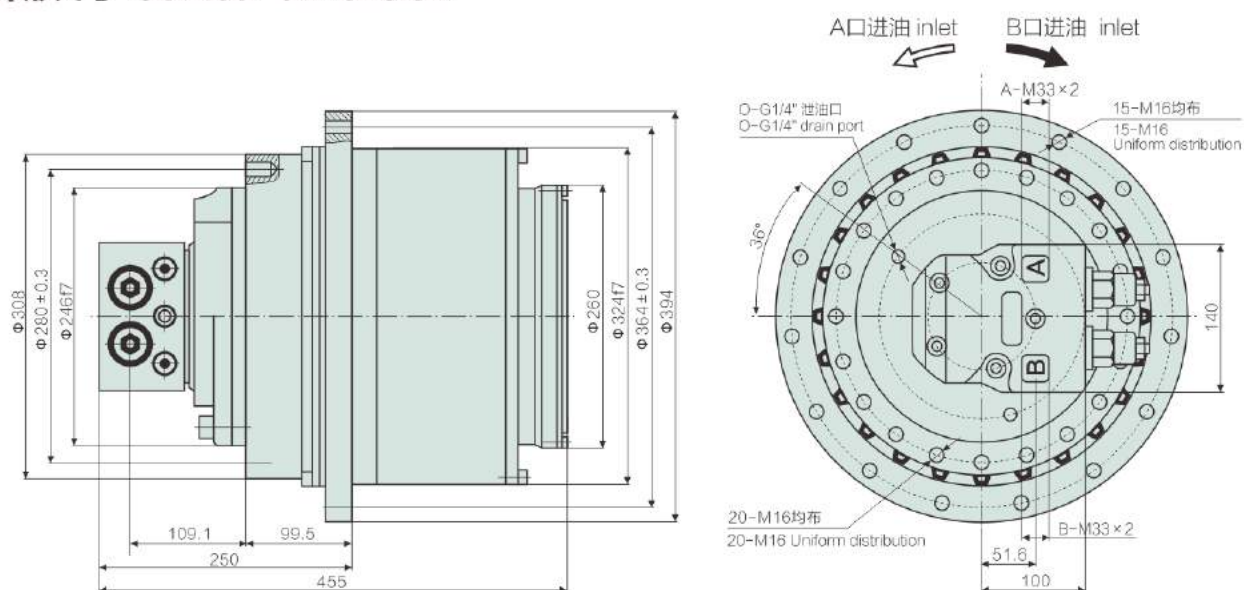
注: 1. 额定扭矩是在考虑系统压力损失1Mpa和行星减速机效率以及液压马达机械效率的情况下计算, 并对末位数圆整得来。
2. 马达泄油口 O 需直接回油箱。

Note: 1. rated torque is calculated under the condition of considering about system pressure loss 1 Mpa, planetary reducer efficiency and motor's mechanical efficiency.
2. motor's leaking hole O require to return to tank directly.

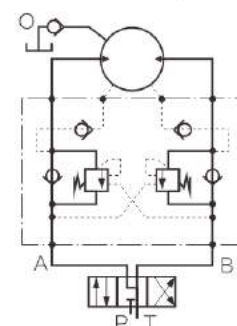
XZ3 4A

品质成就梦想!
Quality achievement dream!

外形尺寸 Contour dimension



液压原理图
Hydraulic schematic diagram



进出油口可选
Inlet and outlet fluid port can be chosen

M27 × 2
M33 × 2

技术参数 Technical data

型号 Model	输出扭矩 Output Torque (N.m)	转速范围 Speed range (r/min)	传动比 Rotating ratio	额定压力 Rated Pressure (Mpa)	总排量 Displacement (ml/r)	液压马达 Hydraulic motor		重量 Weight (kg)	适用机重 Applicative machine weight (T)
						型号 Model	排量 (ml/r) Displacement		
XZ3 4A-7500D240201Z	23000	0.2-23	37.5	23.5	7537.5	HZH05-200D240201	201	200	10-14
XZ3 4A-6500D240201Z	19700	0.2-25	37.5	23.5	6450	HZH05-175D240201	172	200	10-14
XZ3 4A-5800D240201Z	17700	0.2-25	37.5	23.5	5775	HZH05-150D240201	154	200	10-14
XZ3 4A-3700D240201Z	11400	0.2-25	37.5	23.5	3712.5	HZH05-100D240201	99	200	10-14
XZ3 4A-5300D240201Z	16300	0.2-25	26.5	23.5	5326.5	HZH05-200D240201	201	210	10-14
XZ3 4A-4400D240201Z	13600	0.2-25	26.5	23.5	4458	HZH05-170D240201	172	210	10-14
XZ3 4A-4100D240201Z	12500	0.2-25	26.5	23.5	4081	HZH05-150D240201	154	210	10-14

注: 1、额定扭矩是在考虑系统压力损失1Mpa和行星减速机效率以及液压马达机械效率的情况下计算, 并对末位数圆整得来。
2、马达泄漏口 O 需直接回油箱。

Note: 1. rated torque is calculated under the condition of considering about system pressure loss 1 Mpa, planetary reducer efficiency and motor's mechanical efficiency.
2. motor's leaking hole O require to return to tank directly.

WK

WK 系列液压传动装置
WK hydraulic transmission



HZH 汉竹液压
HANZHU HYDRAULIC

型号说明 Description of model

WK ※※ — ※ ※ ※ ※ ※

系统压力等级, H为20Mpa, 省略时为16Mpa。
System pressure grade, H indicates 20MPa, when H is omitted, the pressure is 16 Mpa.

液压马达配流器型号, 请参见马达样本。
Model of distributor of hydraulic motor, Please refer to hydraulic motor catalogue.

Z表示带制动器, 无制动器省略。
Z indicates with brake; no letter indicates without brake

输出轴形式

B表示平键轴
C表示螺纹法兰联接
F表示矩形花键轴
I表示内花键轴

Form of output shaft

B indicates flat key shaft
C indicates screwed flange connection
F indicates rectangular spline shaft
I indicates internal spline shaft

液压传动装置总排量 (ml/rev)
Total displacement of hydraulic transmission device (ml/rev)

行星减速器齿轮模数及传动级数
Gear modulus of planetary gear reducer & grade

宁波汉竹液压传动装置
Ningbo HANZHU hydraulic transmission device

选型举例

WK3-1000CD31H表示该液压传动装置采用单级行星减速器传动, 齿轮箱模数为3, 总排量为 1000ml/rev, 输出轴采用螺纹联接, 液压马达配流器D31, 额定压力等级为20MPa。

参数说明

- 1、总排量为液压马达排量乘以减速传动比。
- 2、额定扭矩是在系统压力为16MPa或20MPa时, 考虑传动效率后的实际输出扭矩。
- 3、传动效率包括液压马达的机械效率和行星减速器机械效率。

选型说明

- 1、WK液压传动装置允许在高压下工作。在连续工作时, 使用背压10MPa。
- 2、壳体允许最高压力为0.3MPa, 如有特殊要求, 请与厂家联系。
- 3、液压油: 建议使用高质量、防泡沫、抗氧化的矿基液压油, 理想工作油温30℃~50℃, 允许油温-20℃~80℃, 当油温低于10℃时, 必须用低凝液压油。液压油的粘度为40~60厘拖, 允许为5~300厘拖。
- 4、液压油过滤精度推荐为25 μm, 或更高过滤精度。
- 5、液压传动装置均可双向旋转, 具体转向见附图。如用户要求与图示转向相反, 请在订货时注明。
- 6、泄油管定位: WK传动装置允许任何方向安装, 为保证马达内各运动副的润滑, 要求在工作之前将马达内充满液压油, 泄油口位置的选择必须保证运转中壳体充满液压油。
- 7、配流器进出油口方向: 配流器进出油口方向允许按外形安装联接位置以72度为间隔旋转, 但当松开螺钉旋转时, 要当心不能损坏平面O形圈的密封功能。

Example of Model Selection

WK3-1000CD31H means the hydraulic transmission device adopts single-grade planetary reducer transmission with modulus of gearbox being 3 and total displacement of 1000ml/rev; the output shaft adopts screwed connection. Hydraulic motor distributor is D31 and the rated pressure grade is 20MPa.

Description on Parameters

1. The total displacement is calculated by multiplying hydraulic motor displacement with reduction transmission ratio.
2. Rated torque is the actual output torque taking transmission efficiency into account when system pressure is 16MPa or 20MPa
3. Transmission efficiency includes the mechanical efficiency of hydraulic motor and the mechanical efficiency of planetary reducer.

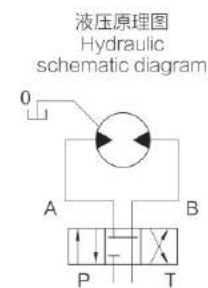
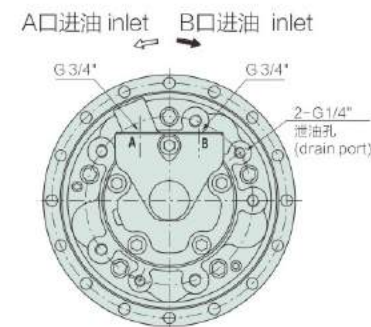
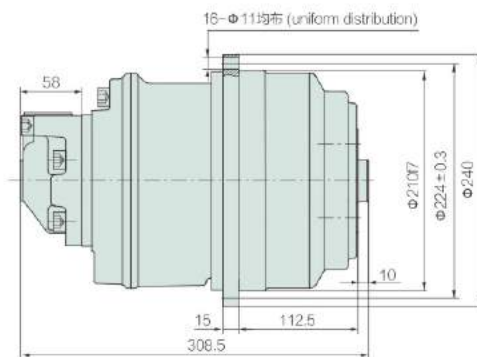
Description on Selection of Model

1. WK hydraulic transmission device can work under high pressure.
2. The max permissible pressure of the housing is 0.8MPa. If you have any special requirements, please contact the manufacturer.
3. Hydraulic oil: recommend using high quality, anti-foaming and anti-oxidation mineral hydraulic oil. The ideal working oil temperature is 30℃ to 50℃ and the permissible oil temperature is between -20℃ to 80℃. When oil temperature is lower than 10℃, Low-freezing hydraulic oil must be used. The viscosity of hydraulic oil is between 40-60 CST centistokes and the permissible viscosity is 5-300 CST centistokes.
4. The recommended hydraulic oil filtering precision is 25 μm or higher;
5. The hydraulic transmission device can rotate in both directions; please see the details in the attached charts. If users require the equipment to rotate in opposite direction, please make notes when you place orders.
6. Positioning of oil drain: XHSC transmission device allows to be installed in any direction. To ensure the lubrication of all kinematic pair, it's required to fill hydraulic oil into the motor before Working. The selection of position of oil drain port must be able to ensure that the housing is full of hydraulic oil when it operates.
7. Selection of distributor: All sorts of hydraulic transmission device can select to use the distributors of various specifications according to the requirements of different working conditions. The principle for selection of distributor: to select distributor according to the using pressure, rotation speed, flow, connecting method and the requirements of the integrated valve group; installation of distributor: the direction of oil inlet and outlet of distributors allows to rotate with interval of 72° around the external installation and connection location. However, when the distributor is rotated while the bolt is released, be careful not to damage the seal function of plane O-ring.

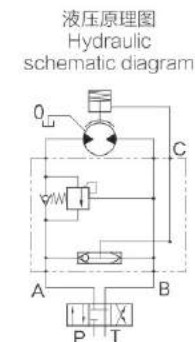
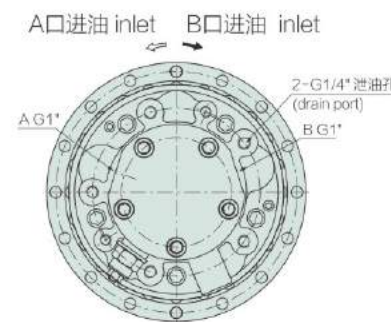
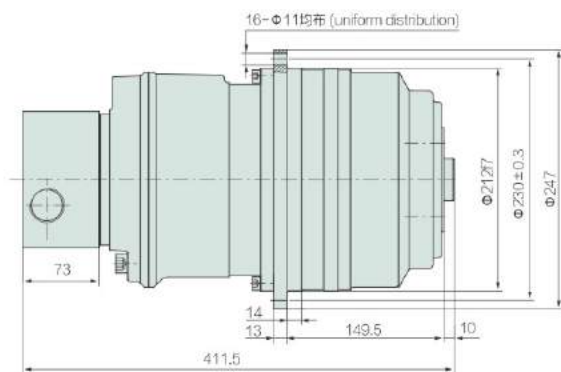
WK2.5

品质成就梦想!
Quality achievement dream!

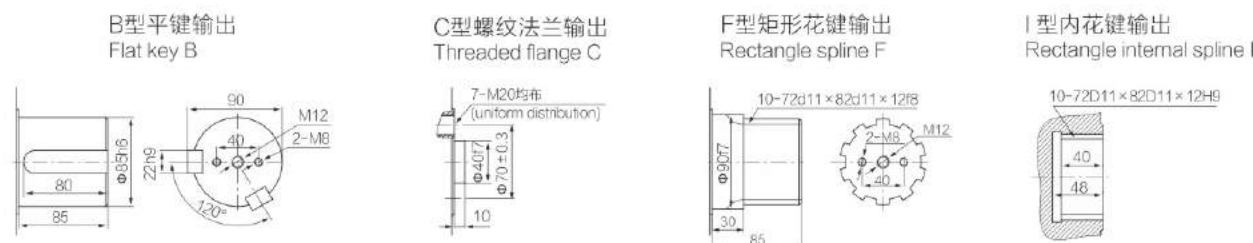
无制动器 Without brake



带制动器(内置式) With brake and internal installtion



输出轴形式 Shaft dimensions



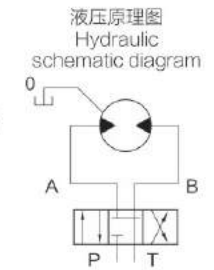
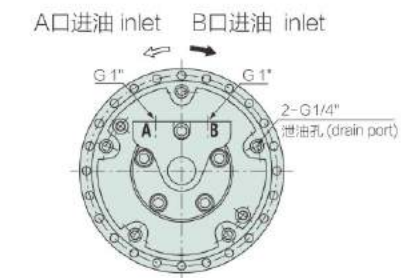
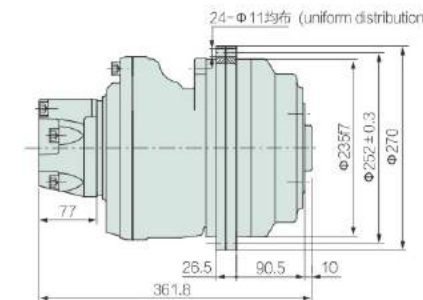
型号 Model	总排量 Displacement (ml/r)	额定扭矩 Rated Torque (N.m) 20MPa	转速范围 Speed range (r/min)	总效率 Total efficiency	液压马达型号 Hydraulic motor model	行星减速 机型号 Planetary gearbox	制动器型号 Brake
WK2.5-550	575	1630	0-90	0.88-0.9	HZH05-110	C2.5-5	Z2.5
WK2.5-650	645	1826	0-90	0.88-0.9	HZH05-130	C2.5-5	Z2.5
WK2.5-750	755	2136	0-90	0.88-0.9	HZH05-150	C2.5-5	Z2.5
WK2.5-850	830	2350	0-90	0.88-0.9	HZH05-170	C2.5-5	Z2.5
WK2.5-950	955	2706	0-90	0.88-0.9	HZH05-200	C2.5-5	Z2.5
WK2.5-1050	1050.5	2976	0-90	0.88-0.9	HZH05-200	C2.5-5.5	Z2.5

注: 如客户需要其它速比和其它输出形式, 请与本公司联系。
Note: If the customer need other speed ratio and other output form, please contact with us.

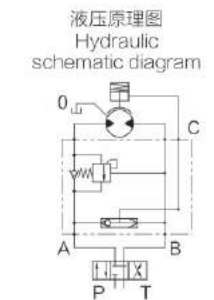
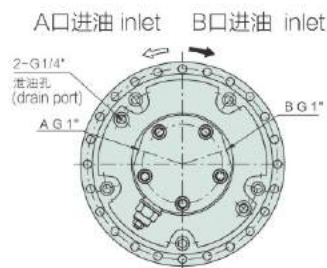
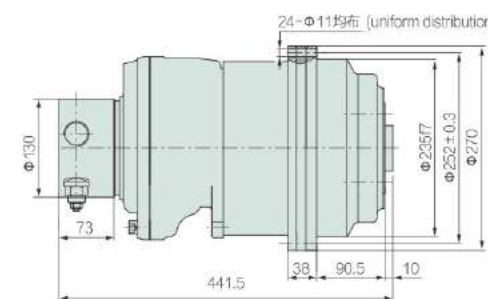
WK3

品质成就梦想!
Quality achievement dream!

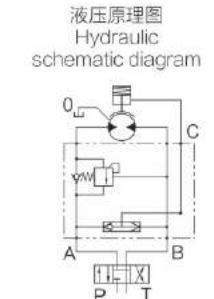
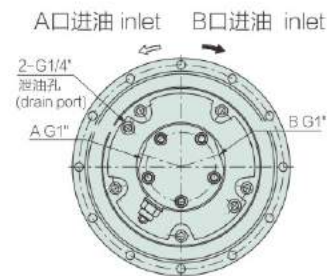
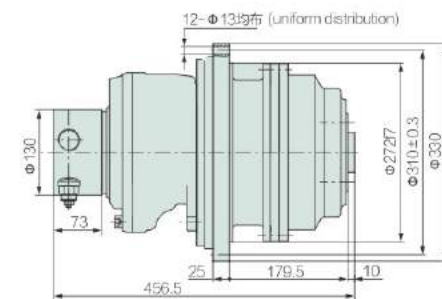
无制动器 Without brake



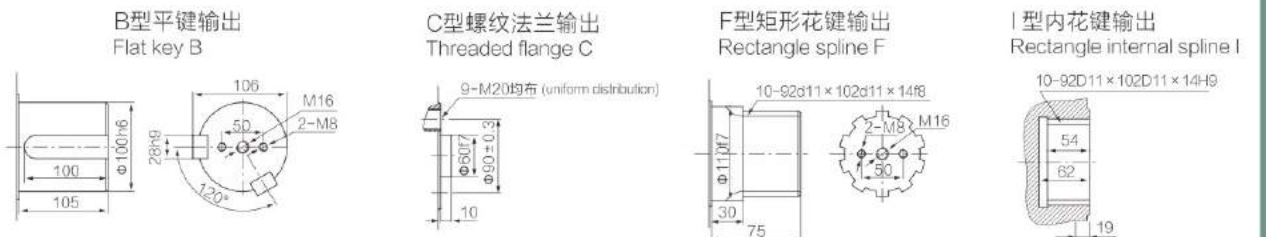
带制动器(外置式) With brake and external installtion



带制动器(内置式) With brake and internal installtion



输出轴形式 Shaft dimensions



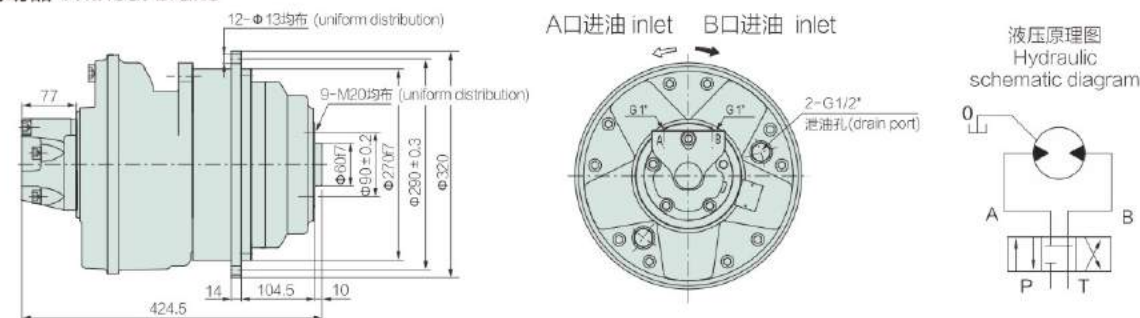
型号 Model	总排量 Displacement (ml/r)	额定扭矩 Rated Torque (N.m) 20MPa	转速范围 Speed range (r/min)	总效率 Total efficiency	液压马达型号 Hydraulic motor model	行星减速 机型号 Planetary gearbox	制动器型号 Brake
WK3-1250	1215	3382	0-90	0.88-0.9	HZH1-250	C3-5	Z3
WK3-1450	1450	4022	0-90	0.88-0.9	HZH1-300	C3-5	Z3
WK3-1600	1570	4361	0-90	0.88-0.9	HZH1-320	C3-5	Z3

注: 如客户需要其它速比和其它输出形式, 请与本公司联系。
Note: If the customer need other speed ratio and other output form, please contact with us.

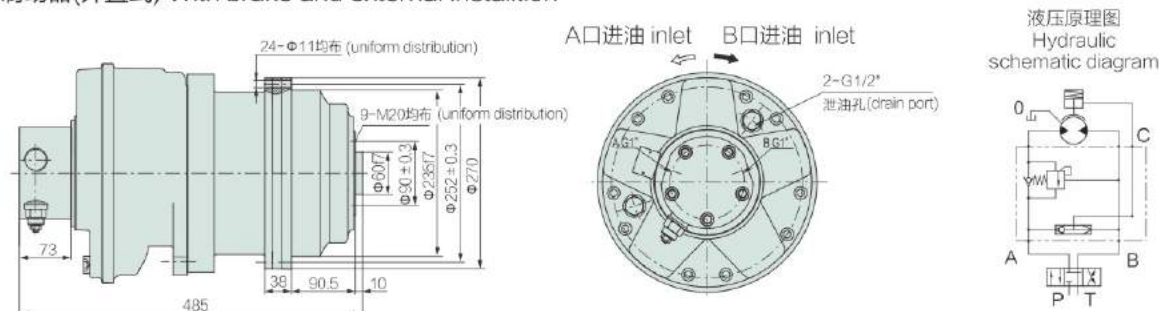
WK3

品质成就梦想!
Quality achievement dream!

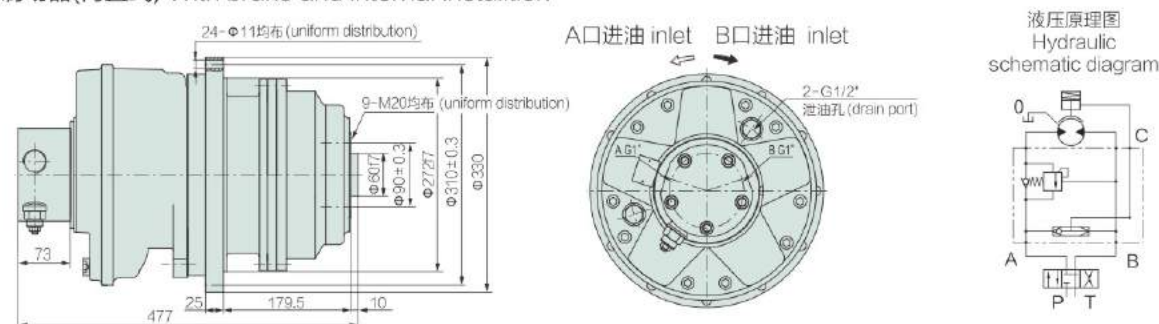
无制动器 Without brake



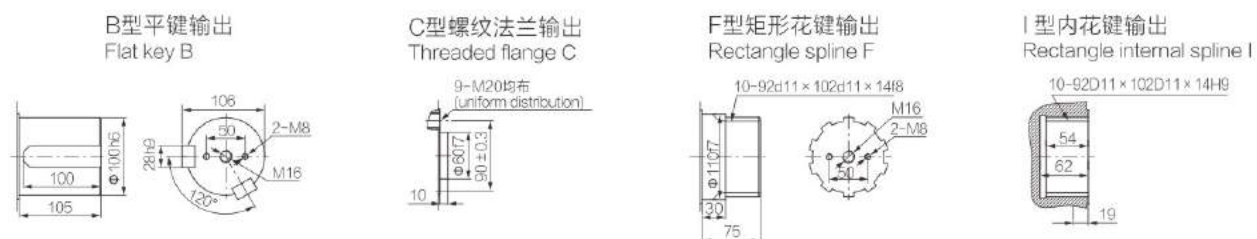
带制动器(外置式) With brake and external installtion



带制动器(内置式) With brake and internal installtion



输出轴形式 Shaft dimensions



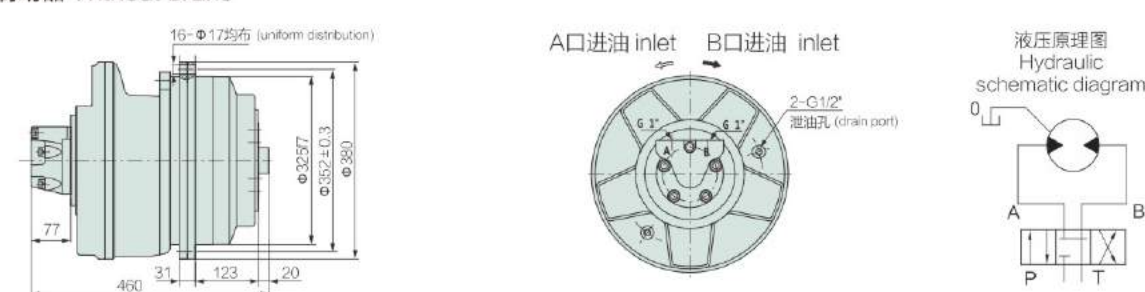
型号 Model	总排量 Displacement (ml/r)	额定扭矩 Rated Torque (N.m) 20MPa	转速范围 Speed range (r/min)	总效率 Total efficiency	液压马达型号 Hydraulic motor model	行星减速 机型号 Planetary gearbox	制动器型号 Brake
WK3-1700	1735	4823	0-90	0.88-0.9	HZH2-350	C3-5	Z3
WK3-1900	1908	5306	0-80	0.88-0.9	HZH2-350	C3-5.5	Z3
WK3-2300	2338	6492	0-75	0.88-0.9	HZH2-420	C3-5.5	Z3

注: 如客户需要其它速比和其它输出形式, 请与本公司联系。
Note: If the customer need other speed ratio and other output form, please contact with us.

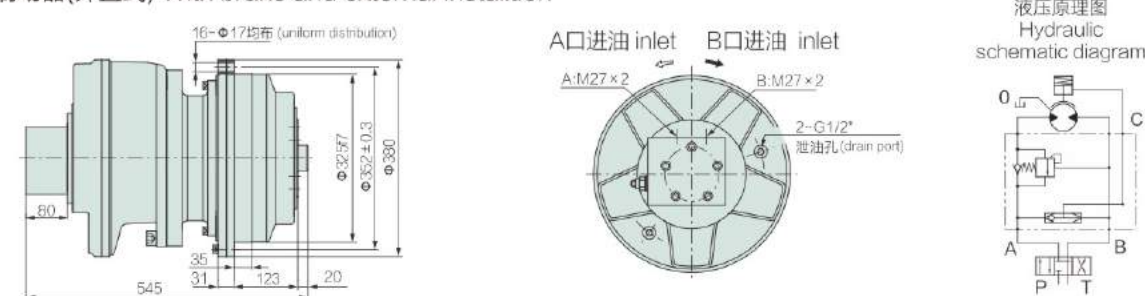
WK4

品质成就梦想!
Quality achievement dream!

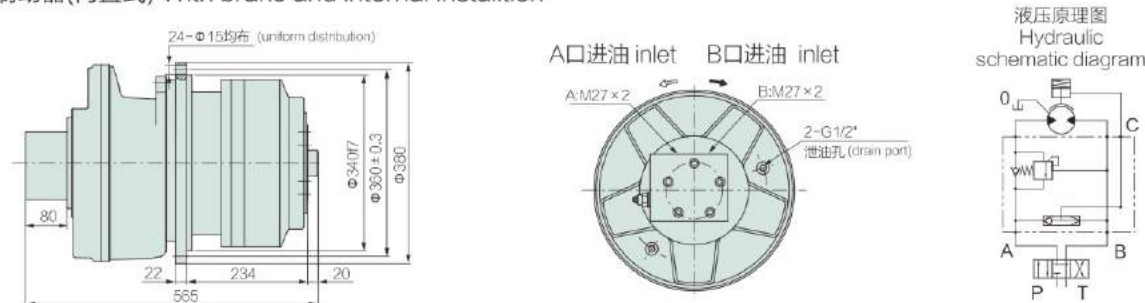
无制动器 Without brake



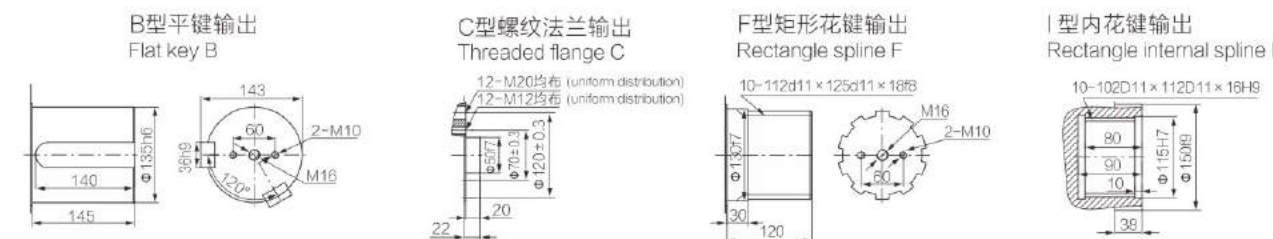
带制动器(外置式) With brake and external installtion



带制动器(内置式) With brake and internal installtion



输出轴形式 Shaft dimensions



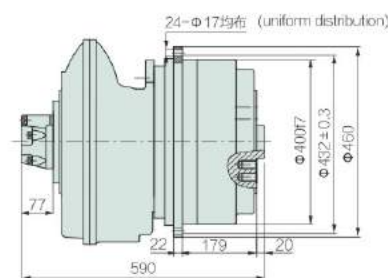
型号 Model	总排量 Displacement (ml/r)	额定扭矩 Rated Torque (N.m) 20MPa	转速范围 Speed range (r/min)	总效率 Total efficiency	液压马达型号 Hydraulic motor model	行星减速 机型号 Planetary gearbox	制动器型号 Brake
WK4-2450	2430	6860	0-80	0.9-0.91	HZH3-500	C4-5	Z4
WK4-3000	2975	8398	0-80	0.9-0.91	HZH3-600	C4-5	Z4
WK4-3500	3450	9774	0-80	0.9-0.91	HZH3-700	C4-5	Z4
WK4-4000	3960	11222	0-80	0.9-0.91	HZH3-800	C4-5	Z4
WK4-4400	4356	12344	0-70	0.9-0.91	HZH3-800	C4-5.5	Z4
WK4-4800	4801	13538	0-70	0.9-0.91	HZH3-900	C4-5.5	Z4

注: 如客户需要其它速比和其它输出形式, 请与本公司联系。
Note: If the customer need other speed ratio and other output form, please contact with us.

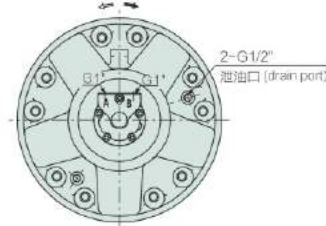
WK5

品质成就梦想!
Quality achievement dream!

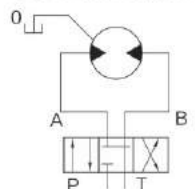
无制动器 Without brake



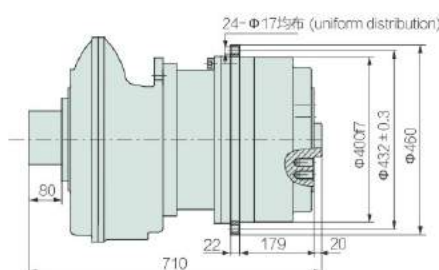
A口进油 inlet B口进油 inlet



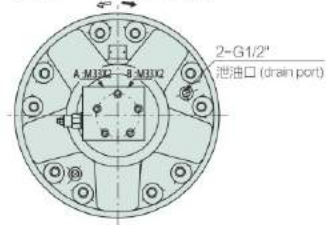
液压原理图
Hydraulic schematic diagram



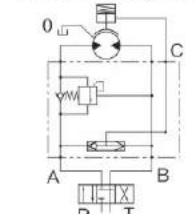
带制动器(外置式) With brake and external installtion



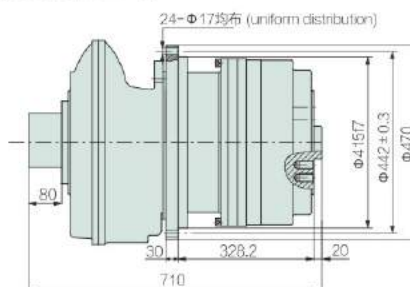
A口进油 inlet B口进油 inlet



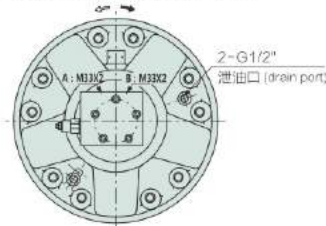
液压原理图
Hydraulic schematic diagram



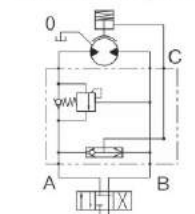
带制动器(内置式) With brake and internal installtion



A口进油 inlet B口进油 inlet

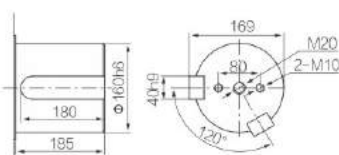


液压原理图
Hydraulic schematic diagram

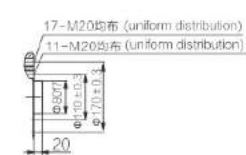


输出轴形式 Shaft dimensions

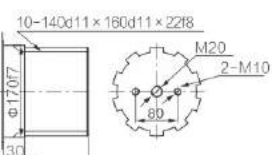
B型平键输出
Flat key B



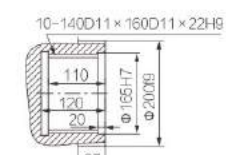
C型螺纹法兰输出
Threaded flange C



F型矩形花键输出
Rectangle spline F



I型内花键输出
Rectangle internal spline I

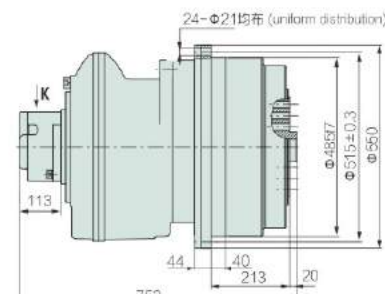


型号 Model	总排量 Displacement (ml/r)	额定扭矩 Rated Torque (N.m) 20MPa	转速范围 Speed range (r/min)	总效率 Total efficiency	液压马达型号 Hydraulic motor model	行星减速机型号 Planetary gearbox	制动器型号 Brake
WK5-5200	5195	14596	0-70	0.9-0.91	HZH5-1000	C5-5	Z5
WK5-5700	5714	16056	0-65	0.9-0.91	HZH5-1000	C5-5.5	Z5
WK5-6000	5925	16742	0-70	0.9-0.91	HZH5-1200	C5-5	Z5
WK5-6700	6700	18915	0-70	0.9-0.91	HZH5-1300	C5-5	Z5
WK5-7300	7310	20634	0-70	0.9-0.91	HZH5-1450	C5-5	Z5
WK5-8150	8170	22987	0-70	0.9-0.91	HZH5-1600	C5-5	Z5
WK5-9000	9080	25612	0-70	0.9-0.91	HZH5-1800	C5-5	Z5
WK5-10000	9988	28173	0-60	0.9-0.91	HZH5-1800	C5-5.5	Z5
WK5-11000	11039	31159	0-50	0.9-0.91	HZH5-2000	C5-5.5	Z5

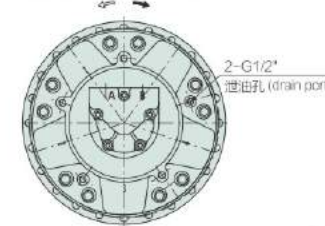
WK6

品质成就梦想!
Quality achievement dream!

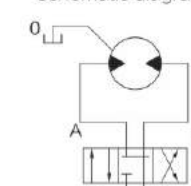
无制动器 Without brake



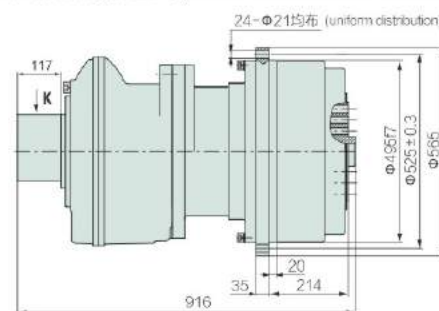
A口进油 inlet B口进油 inlet



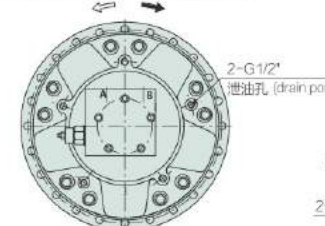
液压原理图
Hydraulic schematic diagram



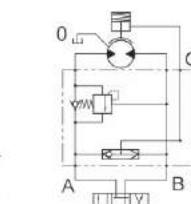
带制动器(外置式) With brake and external installtion



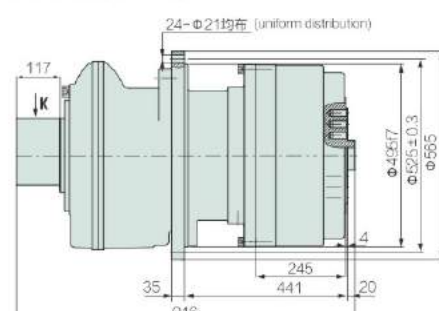
A口进油 inlet B口进油 inlet



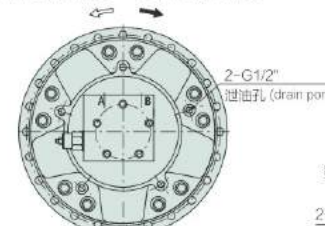
液压原理图
Hydraulic schematic diagram



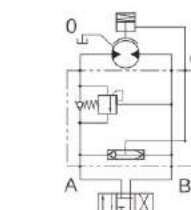
带制动器(内置式) With brake and internal installtion



A口进油 inlet B口进油 inlet

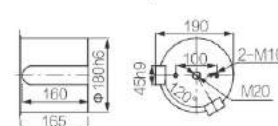


液压原理图
Hydraulic schematic diagram

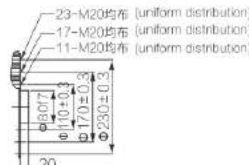


输出轴形式 Shaft dimensions

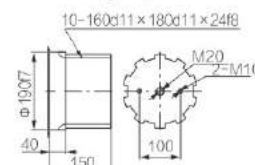
B型平键输出
Flat key B



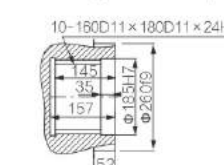
C型螺纹法兰输出
Threaded flange C



F型矩形花键输出
Rectangle spline F



I型内花键输出
Rectangle internal spline I



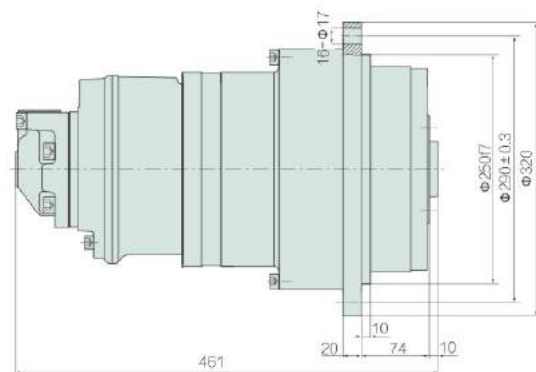
型号 Model	总排量 Displacement (ml/r)	额定扭矩 Rated Torque (N.m) 20MPa	转速范围 Speed range (r/min)	总效率 Total efficiency	液压马达型号 Hydraulic motor model	行星减速机型号 Planetary gearbox	制动器型号 Brake
WK6-10500	12468	30046	0-40	0.9-0.91	HZH6-2100	C6-5	Z6
WK6-12500	12565	35476	0-40	0.9-0.91	HZH6-2500	C6-5	Z6
WK6-15200	15205	42987	0-40	0.9-0.91	HZH6-3000	C6-5	Z6
WK6-16500	16725	47286	0-30	0.9-0.91	HZH6-3000	C6-5.5	Z6
WK6-20000	19860	57141	0-30	0.9-0.91	HZH6-3600	C6-5.5	Z6

注: 如客户需要其它速比和其它输出形式, 请与本公司联系。
Note: If the customer need other speed ratio and other output form, please contact with us.

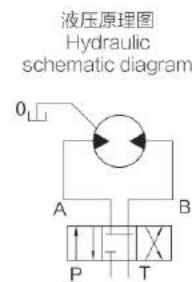
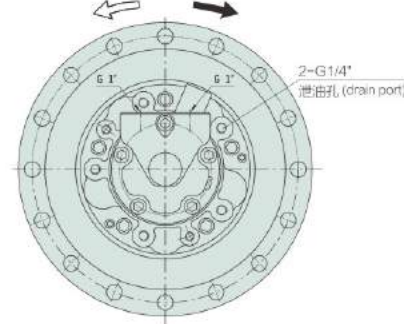
WK2.5 3

品质成就梦想!
Quality achievement dream!

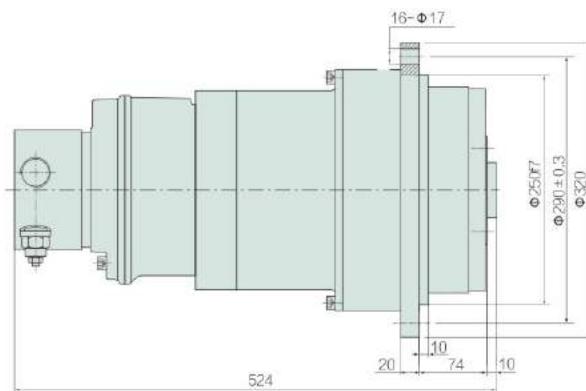
无制动器 Without brake



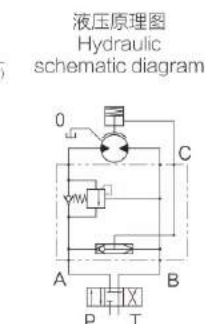
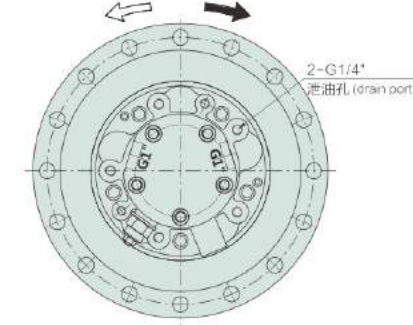
A口进油 inlet B口进油 inlet



带制动器(外置式) With brake and external installtion

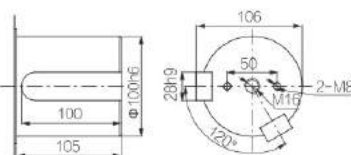


A口进油 inlet B口进油 inlet

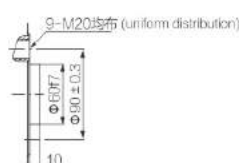


输出轴形式 Shaft dimensions

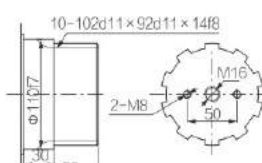
B型平键输出
Flat key B



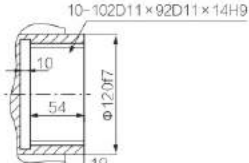
C型螺纹法兰输出
Threaded flange C



F型矩形花键输出
Rectangle spline F



I型内花键输出
Rectangle internal spline I



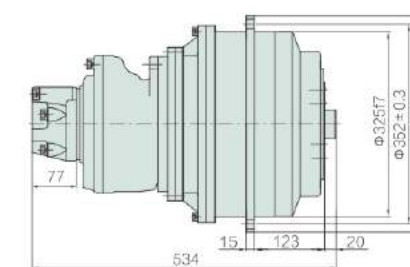
型 号 Model	总排量 Displacement (ml/r)	额定扭矩 Rated Torque (N.m) 16MPa 20MPa	转速范围 Speed range (r/min)	总效率 Total efficiency	液压马达型号 Hydraulic motor model	行星减速机型号 Planetary gearbox	制动器型号 Brake
WK2.5 3-1700	1720	3864 4829	0~19	0.88~0.9	HZH05-90	C2.5 3-20	Z2.5
WK2.5 3-2300	2300	5159 6448	0~19	0.88~0.9	HZH05-110	C2.5 3-20	Z2.5
WK2.5 3-2600	2580	5778 7223	0~19	0.88~0.9	HZH05-130	C2.5 3-20	Z2.5
WK2.5 3-3000	3020	6758 8448	0~19	0.88~0.9	HZH05-150	C2.5 3-20	Z2.5
WK2.5 3-3300	3320	7434 9293	0~19	0.88~0.9	HZH05-170	C2.5 3-20	Z2.5
WK2.5 3-3800	3820	8560 9856	0~19	0.88~0.9	HZH05-200	C2.5 3-20	Z2.5

注: 如客户需要其它速比和其它输出形式, 请与本公司联系。
Note: If the customer need other speed ratio and other output form, please contact with us.

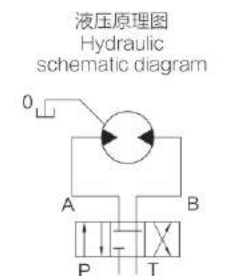
WK3 4

品质成就梦想!
Quality achievement dream!

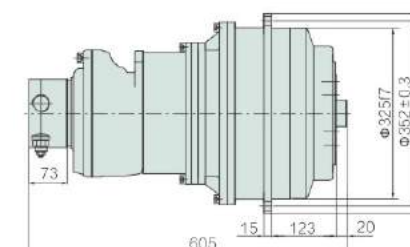
无制动器 Without brake



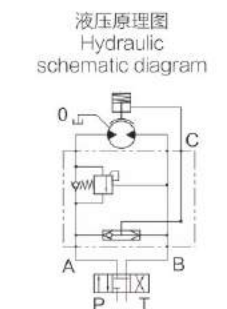
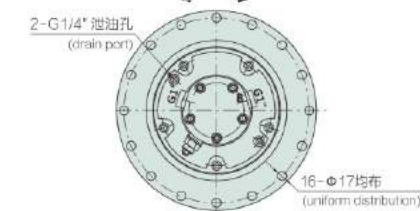
A口进油 inlet B口进油 inlet



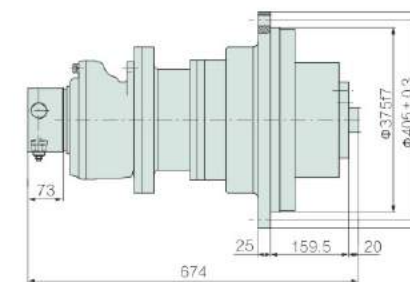
带制动器(外置式) With brake and external installtion



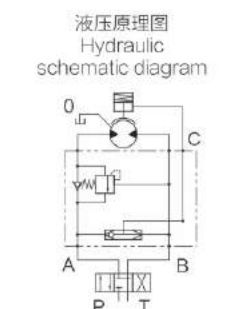
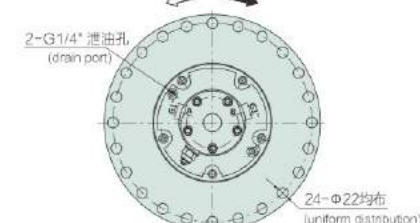
A口进油 inlet B口进油 inlet



带制动器(内置式) With brake and internal installtion

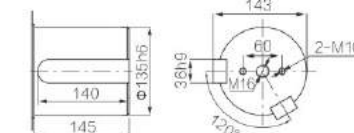


A口进油 inlet B口进油 inlet

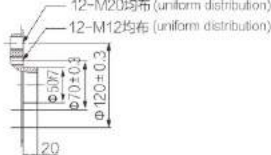


输出轴形式 Shaft dimensions

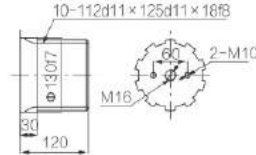
B型平键输出
Flat key B



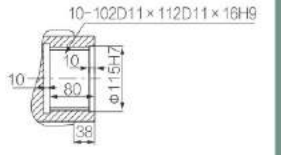
C型螺纹法兰输出
Threaded flange C



F型矩形花键输出
Rectangle spline F



I型内花键输出
Rectangle internal spline I



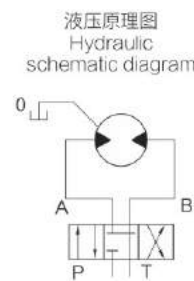
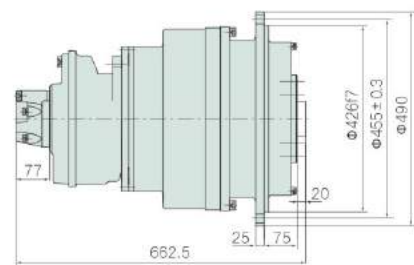
型 号 Model	总排量 Displacement (ml/r)	额定扭矩 Rated Torque (N.m) 16MPa 20MPa	转速范围 Speed range (r/min)	总效率 Total efficiency	液压马达型号 Hydraulic motor model	行星减速机型号 Planetary gearbox	制动器型号 Brake
WK3 4-3500	3440	7547 9433	0~18	0.88~0.9	HZH1-175	C3 4-20	Z3
WK3 4-4000	4020	8842 11052	0~18	0.88~0.9	HZH1-200	C3 4-20	Z3
WK3 4-4900	4860	10700 13376	0~18	0.88~0.9	HZH1-250	C3 4-20	Z3
WK3 4-5800	5800	12728 15910	0~18	0.88~0.9	HZH1-300	C3 4-20	Z3
WK3 4-6800	6804	14980 18725	0~12	0.88~0.9	HZH1-250	C3 4-28	Z3
WK3 4-8100	8120	17819 22344	0~12	0.88~0.9	HZH1-300	C3 4-28	Z3

注: 如客户需要其它速比和其它输出形式, 请与本公司联系。
Note: If the customer need other speed ratio and other output form, please contact with us.

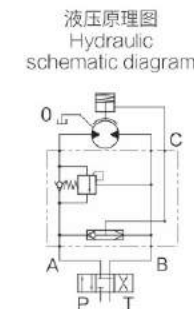
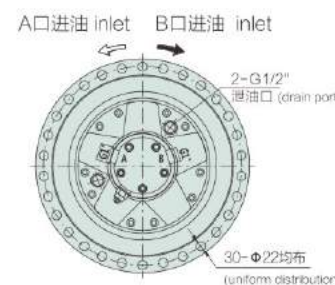
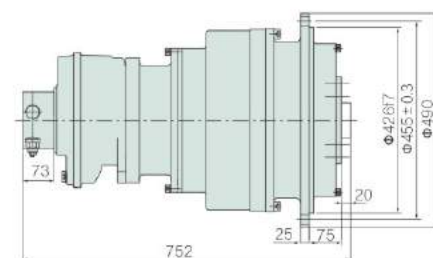
WK4 5

品质成就梦想!
Quality achievement dream!

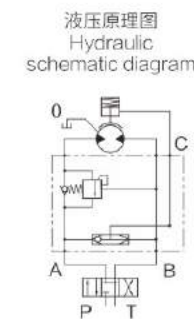
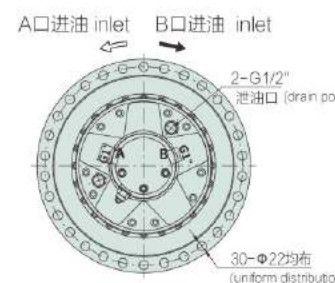
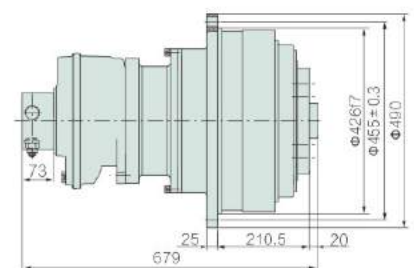
无制动器 Without brake



带制动器(外置式) With brake and external installtion

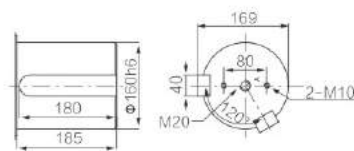


带制动器(内置式) With brake and internal installtion

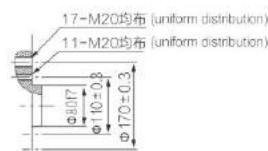


输出轴形式 Shaft dimensions

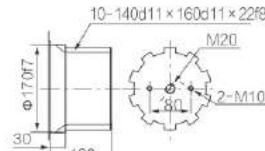
B型平键输出 Flat key B



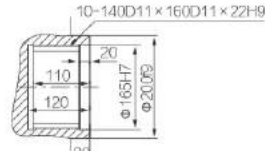
C型螺纹法兰输出 Threaded flange C



F型矩形花键输出 Rectangle spline F



I型内花键输出 Rectangle internal spline I



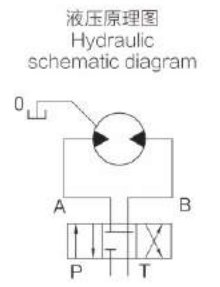
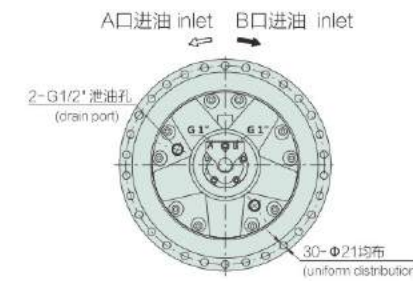
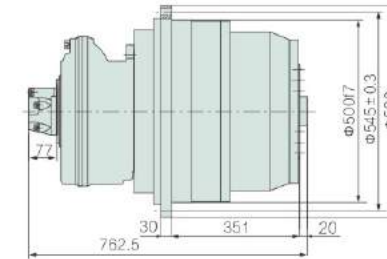
型号 Model	总排量 Displacement (ml/r)	额定扭矩 Rated Torque (N.m) 16MPa 20MPa	转速范围 Speed range (r/min)	总效率 Total efficiency	液压马达型号 Hydraulic motor model	行星减速机型号 Planetary gearbox	制动器型号 Brake
WK4 5-7000	6940	15263 19078	0~15	0.88~0.9	HZH2-350	C4 5-20	Z4
WK4 5-8500	8500	18646 23344	0~15	0.88~0.9	HZH2-420	C4 5-20	Z4
WK4 5-10000	9826	21661 27046	0~15	0.88~0.9	HZH2-500	C4 5-20	Z4
WK4 5-12000	11900	26146 32682	0~11	0.88~0.9	HZH2-420	C4 5-28	Z4
WK4 5-14000	13804	30325 36120	0~11	0.88~0.9	HZH2-500	C4 5-28	Z4

注: 如客户需要其它速比和其它输出形式, 请与本公司联系。
Note: If the customer need other speed ratio and other output form, please contact with us.

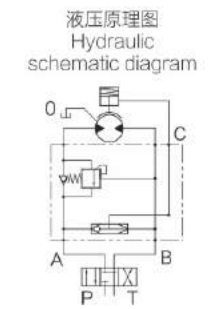
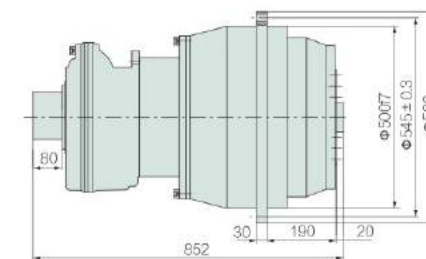
WK5 6

品质成就梦想!
Quality achievement dream!

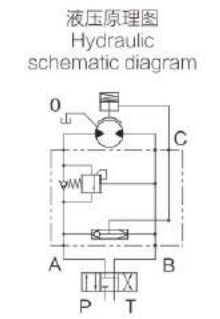
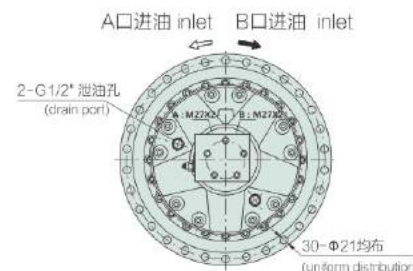
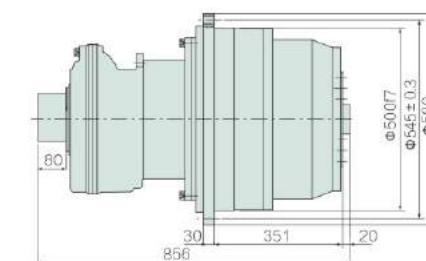
无制动器 Without brake



带制动器(外置式) With brake and external installtion

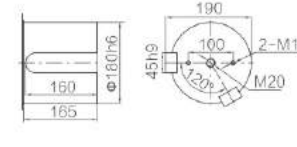


带制动器(内置式) With brake and internal installtion

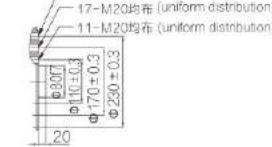


输出轴形式 Shaft dimensions

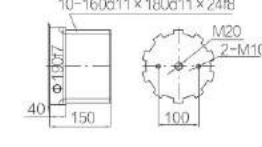
B型平键输出 Flat key B



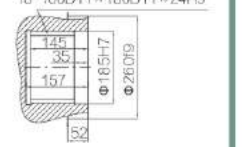
C型螺纹法兰输出 Threaded flange C



F型矩形花键输出 Rectangle spline F



I型内花键输出 Rectangle internal spline I



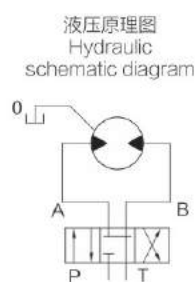
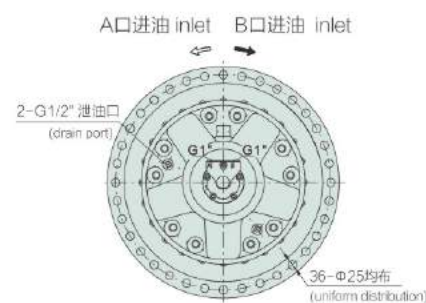
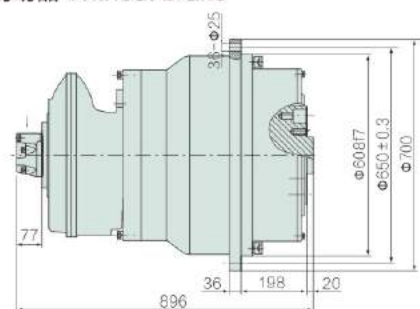
型号 Model	总排量 Displacement (ml/r)	额定扭矩 Rated Torque (N.m) 16MPa 20MPa	转速范围 Speed range (r/min)	总效率 Total efficiency	液压马达型号 Hydraulic motor model	行星减速机型号 Planetary gearbox	制动器型号 Brake
WK5 6-12000	12320	27067 33834	0~14	0.88~0.9	HZH4-600	C5 6-20	Z5
WK5 6-16000	15860	34918 43648	0~14	0.88~0.9	HZH4-800	C5 6-20	Z5
WK5 6-18000	18080	39708 49632	0~14	0.88~0.9	HZH4-900	C5 6-20	Z5
WK5 6-20000	20440	45056 56320	0~14	0.88~0.9	HZH4-1000	C5 6-20	Z5
WK5 6-22000	22204	48885 61106	0~10	0.88~0.9	HZH4-800	C5 6-28	Z5
WK5 6-25000	25312	55587 -	0~10	0.88~0.9	HZH4-900	C5 6-28	Z5
WK5 6-28000	28616	63078 -	0~10	0.88~0.9	HZH4-1000	C5 6-28	Z5

注: 如客户需要其它速比和其它输出形式, 请与本公司联系。
Note: If the customer need other speed ratio and other output form, please contact with us.

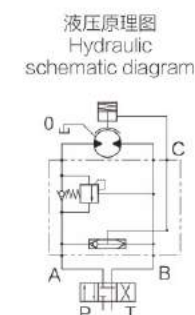
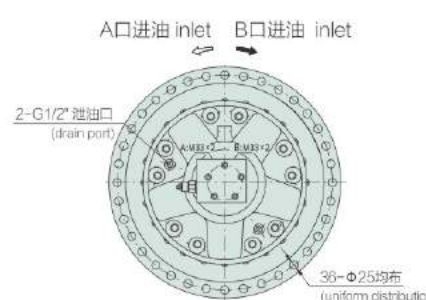
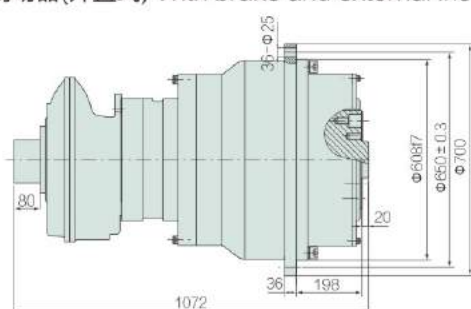
WK6 7

品质成就梦想!
Quality achievement dream!

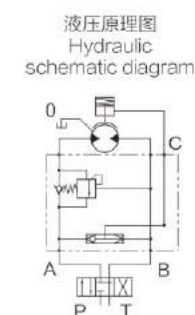
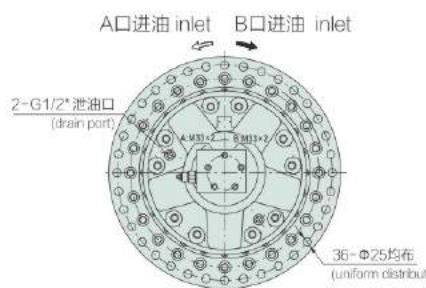
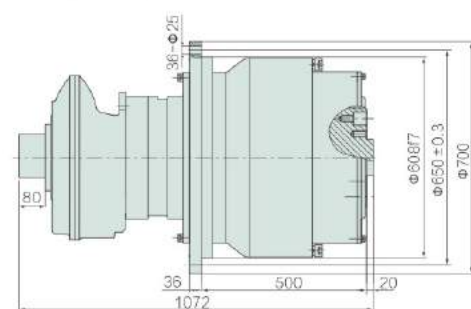
无制动器 Without brake



带制动器(外置式) With brake and external installation

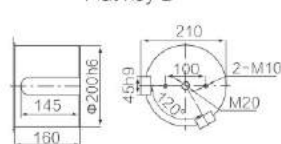


带制动器(内置式) With brake and internal installation

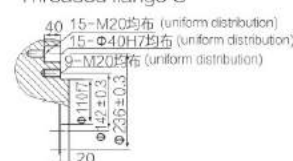


输出轴形式 Shaft dimensions

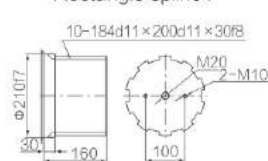
B型平键输出 Flat key B



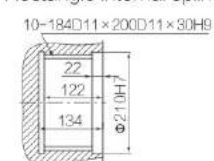
C型螺纹法兰输出 Threaded flange C



F型矩形花键输出 Rectangle spline F



I型内花键输出 Rectangle internal spline I

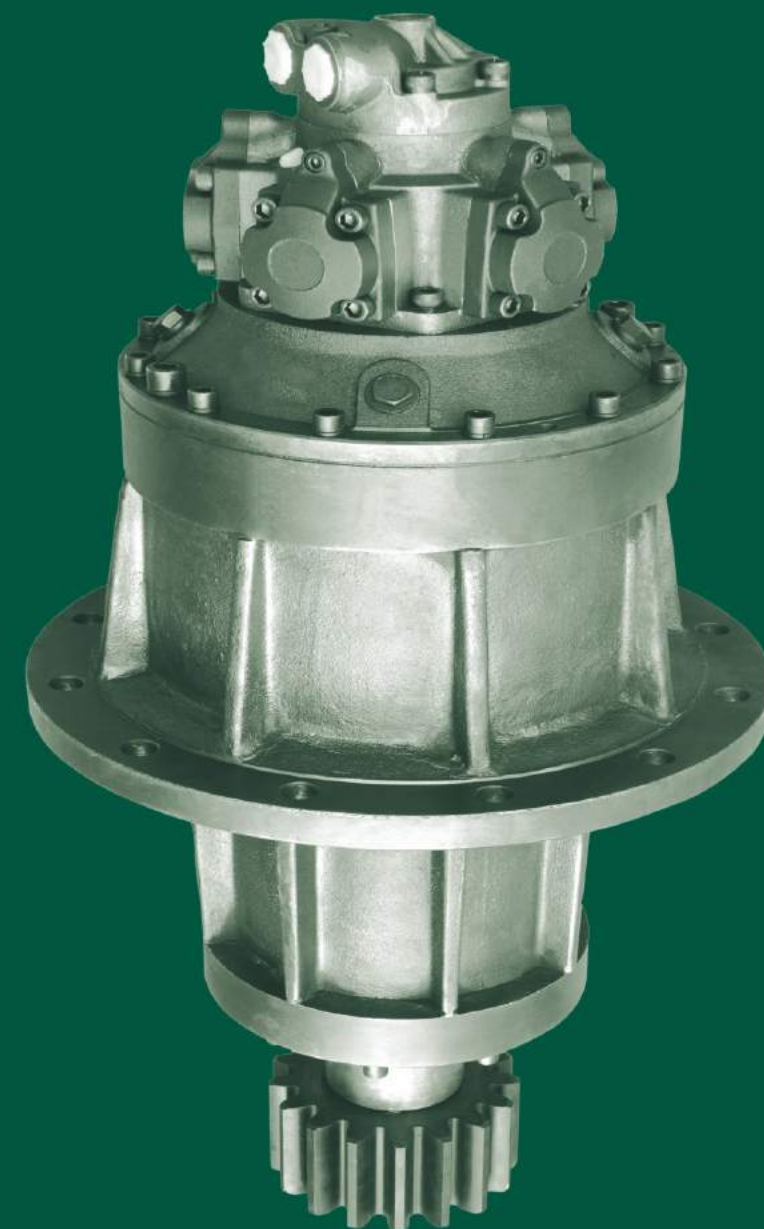


型 号 Model	总排量 Displacement (ml/r)	额定扭矩 Rated Torque (N.m) 16MPa20MPa		转速范围 Speed range (r/min)	总效率 Total efficiency	液压马达型号 Hydraulic motor model	行星减速机型号 Planetary gearbox	制动器型号 Brake
WK6 7-29000	29240	64205	80256	0~13	0.88~0.9	HZH5-1450	C6 7-20	Z6
WK6 7-33000	32680	71526	89408	0~13	0.88~0.9	HZH5-1600	C6 7-20	Z6
WK6 7-36000	36320	79682	99616	0~13	0.88~0.9	HZH5-1800	C6 7-20	Z6
WK6 7-41000	40936	89887	-	0~9	0.88~0.9	HZH5-1450	C6 7-28	Z6
WK6 7-46000	45752	100136	-	0~9	0.88~0.9	HZH5-1600	C6 7-28	Z6

注: 如客户需要其它速比和其它输出形式, 请与本公司联系。
Note: If the customer need other speed ratio and other output form, please contact with us.

WKY

WKY 系列液压传动装置 WKY hydraulic transmission



HZH 汉竹液压
HANZHU HYDRAULIC

型号说明 Description of model

WKY ※※ — ※ ※ ※ ※ ※

系统压力等级, H为20Mpa, 省略时为16Mpa。
System pressure grade, H indicates 20MPa, when H is omitted, the pressure is 16 Mpa.

液压马达配流器型号, 请参见马达样本。
Model of distributor of hydraulic motor, Please refer to hydraulic motor catalogue.

Z表示带制动器, 无制动器省略。
Z indicates with brake; no letter indicates without brake

输出轴形式

B表示平键轴
C表示螺纹法兰联接
F表示矩形花键轴
I表示内花键轴

Form of output shaft

B indicates flat key shaft
C indicates screwed flange connection
F indicates rectangular spline shaft
I indicates internal spline shaft

液压传动装置总排量 (ml/rev)
Total displacement of hydraulic transmission device (ml/rev)

行星减速器齿轮模数及传动级数
Gear modulus of planetary gear reducer & grade

宁波汉竹液压传动装置
Ningbo HANZHU hydraulic transmission device

选型举例

WKY3-1000CD31H 表示该液压传动装置采用单级行星减速器传动, 齿轮箱模数为3, 总排量为1000ml/rev, 输出轴采用螺纹联接, 液压马达配流器 D31, 额定压力等级为20MPa。

参数说明

- 1、总排量为液压马达排量乘以减速传动比。
- 2、额定扭矩是在系统压力为16MPa或20MPa时, 考虑传动效率后的实际输出扭矩。
- 3、传动效率包括液压马达的机械效率和行星减速器机械效率。

选型说明

- 1、WKY 液压传动装置允许在高压下工作。
- 2、壳体允许最高压力为0.8MPa, 如有特殊要求, 请与厂家联系。
- 3、液压油: 建议使用高质量、防泡沫、抗氧化的矿基液压油, 理想工作油温30℃~50℃, 允许油温-20℃~80℃, 当油温低于10℃时, 必须用低凝液压油。液压油的粘度为40~60厘沱, 允许为5~300厘沱。
- 4、液压油过滤精度推荐为25 μ M, 或更高过滤精度。
- 5、液压传动装置均可双向旋转, 具体转向见附图。如用户要求与图示转向相反, 请在订货时注明。
- 6、泄油管定位: WKY传动装置允许任何方向安装, 为保证马达内各运动副的润滑, 要求在工作之前将马达内充满液压油, 泄油口位置的选择必须保证运转中壳体充满液压油。
- 7、配流器的选择: 各种液压传动装置可以根据不同工况要求选用各种规格的配流器, 选择配流器的原则按使用压力、转速、流量、联接方式和所集成阀组要求来考虑; 配流器安装; 配流器进出口油口方向允许按外形安装联接位置以72度为间隔旋转, 但当松开螺钉旋转时, 要当心不能损坏平O形圈的密封功能。

Example of Model Selection

WK3-1000CD31H means the hydraulic transmission device adopts single-grade planetary reducer transmission with modulus of gearbox being 3 and total displacement of 100ml/rev; the output shaft adopts screwed connection. Hydraulic motor distributor is D31 and the rated pressure grade is 20MPa.

Description on Parameters

1. The total displacement is calculated by multiplying hydraulic motor displacement with reduction transmission ratio.
2. Rated torque is the actual output torque taking transmission efficiency into account when system pressure is 16MPa or 20MPa
3. Transmission efficiency includes the mechanical efficiency of hydraulic motor and the mechanical efficiency of planetary reducer.

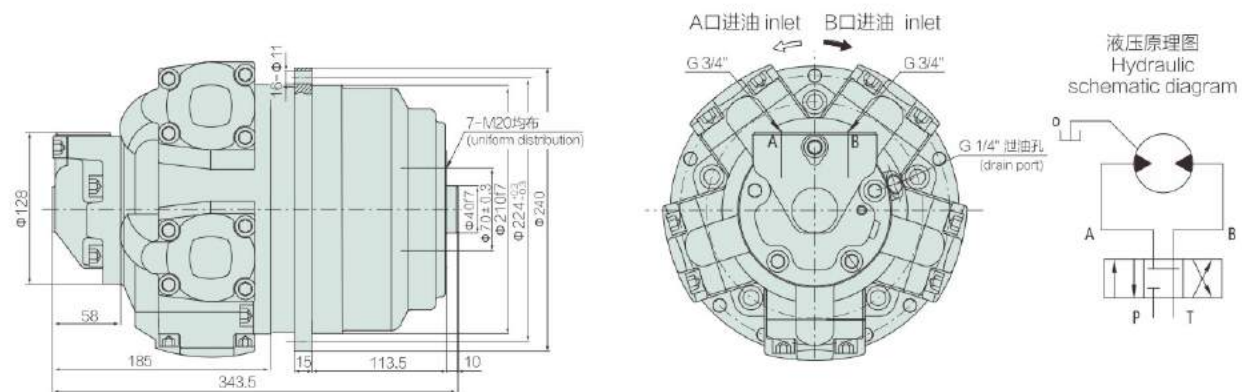
Description on Selection of Model

1. WKY hydraulic transmission device can work under the high pressure.
2. Shell allowed maximum pressure is 0.8MPa. If you have special requirements, please contact with us.
3. hydraulic oil: Recommend to use the hydraulic oil with high quality, preventing foam and anti-oxidation. The ideal work oil temperature is 30℃~50℃, the allowable oil temperature is 20℃~80℃. When the oil temperature is below 10℃, it has to use low setting hydraulic oil. The viscosity of hydraulic oil is 40~60cSt, the allowable viscosity is 5~300cSt.
4. The recommend hydraulic oil filter rating is 25 μ M or higher filter rating.
5. Hydraulic transmission device all can be bilateral rotation, and the detailed direction of rotation is in attachment figure. If you need the opposite direction of rotation of diagram's, please mark your requirements in the order.
6. Drainage tubing positioning: WKY transmission device allow any direction installation. In order to ensure the lubrication of motor's movement, it requires the motor to fill up with hydraulic oil before working. The choice of drainage port position must ensure that the shell is full of hydraulic oil during the operation.
7. The selection of distributor: different kinds of hydraulic transmission device can choose different specifications of the distributor according to different working conditions. The principle of choosing distributor is using pressure, rotate speed, flow, connection pattern and the integrated valve group requirements to consider.

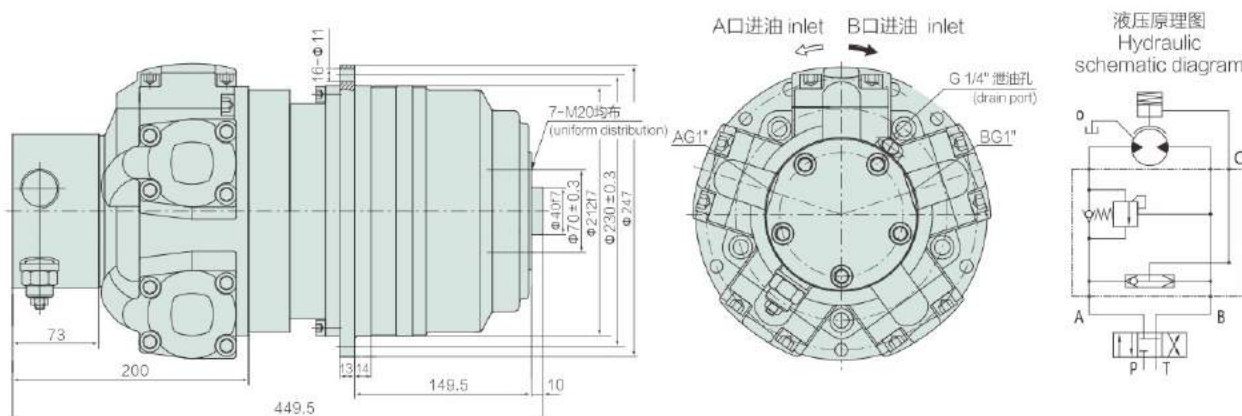
WKY2.5

品质成就梦想!
Quality achievement dream!

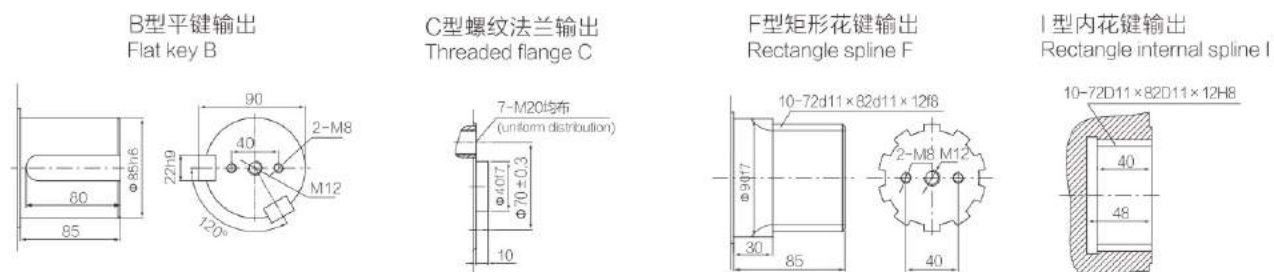
无制动器 Without brake



带制动器(内置式) With brake and internal installtion



输出轴形式 Shaft dimensions



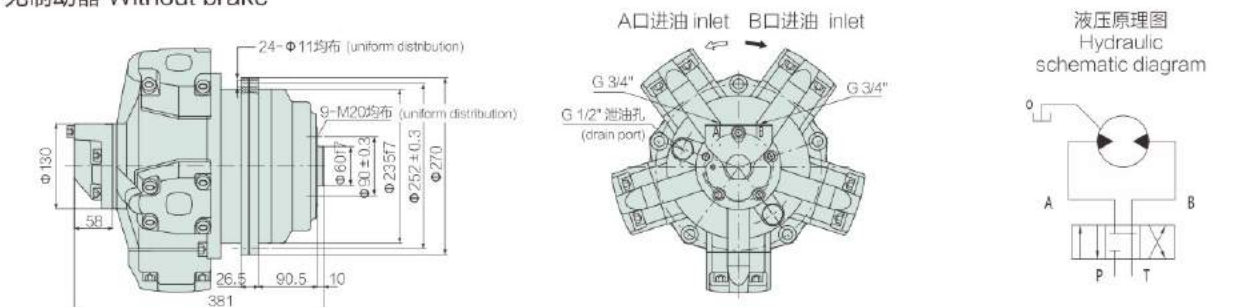
型 号 Model	总排量 Displacement (ml/r)	额定扭矩 Rated Torque (N.m) 16MPa 20MPa	转速范围 Speed range (r/min)	总效率 Total efficiency	液压马达型号 Hydraulic motor model	行星减速机型号 Planetary gearbox	制动器型号 Brake
WKY2.5-550	565	1196 1495	0~100	0.88~0.9	HZW2-100	C2.5-5	Z2.5
WKY2.5-800	795	1766 2207	0~100	0.88~0.9	HZW2-150	C2.5-5	Z2.5
WKY2.5-900	900	1873 2341	0~100	0.88~0.9	HZW2-175	C2.5-5	Z2.5
WKY2.5-1000	1030	2136 2670	0~100	0.88~0.9	HZW2-200	C2.5-5	Z2.5
WKY2.5-1100	1133	2350 2937	0~100	0.88~0.9	HZW2-200	C2.5-5.5	Z2.5

注: 外形联结尺寸及输出轴有特殊要求, 请与我们联系
Note: If you have special requirements on appearance connection size and output shaft, please contact with us directly.

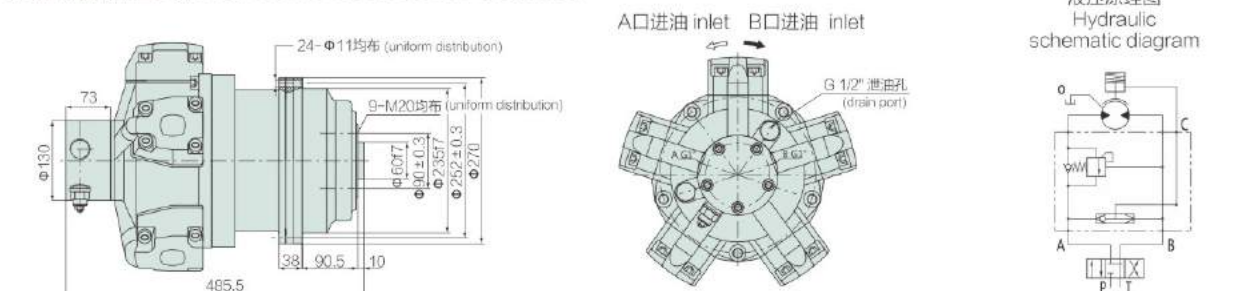
WKY3

品质成就梦想!
Quality achievement dream!

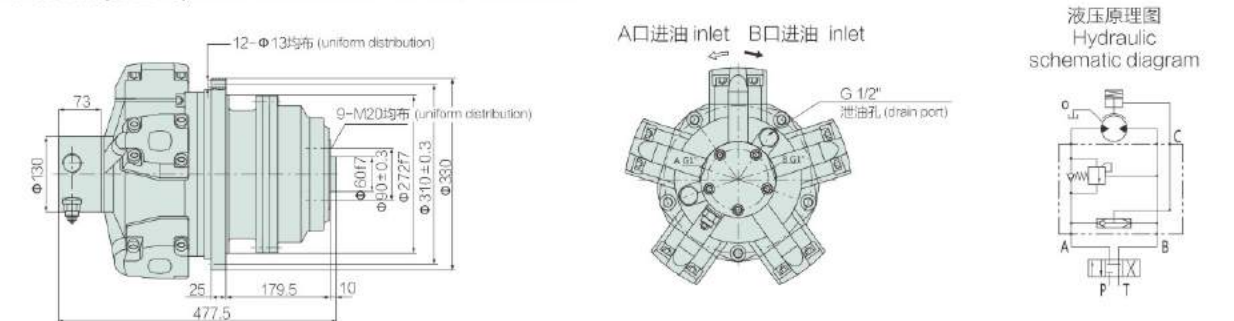
无制动器 Without brake



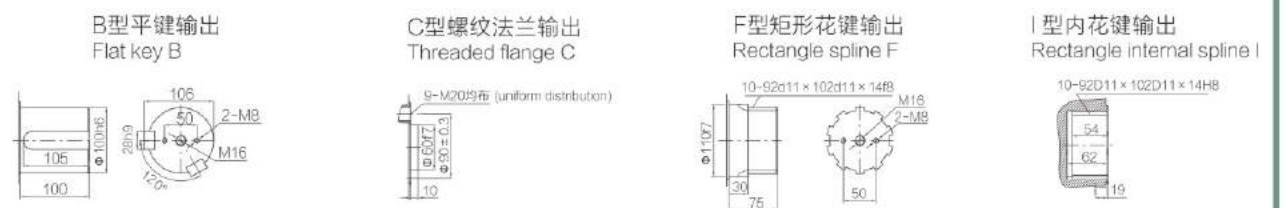
带制动器(外置式) With brake and external installtion



带制动器(内置式) With brake and internal installtion



输出轴形式 Shaft dimensions



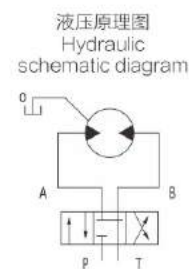
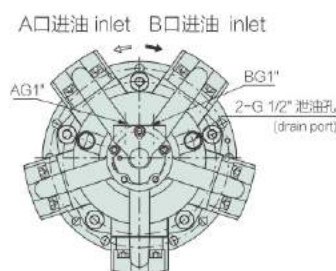
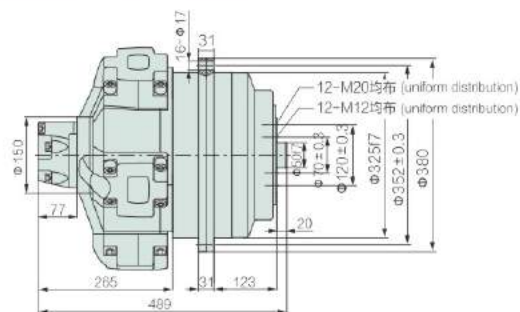
型 号 Model	总排量 Displacement (ml/r)	额定扭矩 Rated Torque (N.m) 16MPa 20MPa	转速范围 Speed range (r/min)	总效率 Total efficiency	液压马达型号 Hydraulic motor model	行星减速机型号 Planetary gearbox	制动器型号 Brake
WKY3-1500	1445	3041 3081	0~80	0.88~0.9	HZW3-300	C3-5	Z3
WKY3-1700	1700	3660 4576	0~80	0.88~0.9	HZW3-350	C3-5	Z3
WKY3-2000	1985	4223 5279	0~80	0.88~0.9	HZW3-400	C3-5	Z3
WKY3-2300	2260	4665 5831	0~80	0.88~0.9	HZW6-450	C3-5	Z3
WKY3-2500	2486	5131 6414	0~70	0.88~0.9	HZW6-450	C3-5.5	Z3
WKY3-2700	2701	5729 -	0~70	0.88~0.9	HZW6-500	C3-5.5	Z3

注: 外形联结尺寸及输出轴有特殊要求, 请与我们联系
Note: If you have special requirements on appearance connection size and output shaft, please contact with us directly.

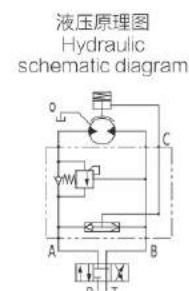
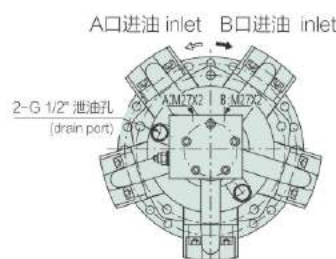
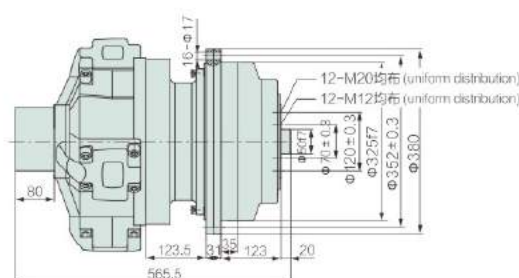
WKY4

品质成就梦想!
Quality achievement dream!

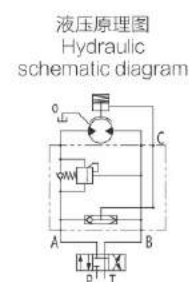
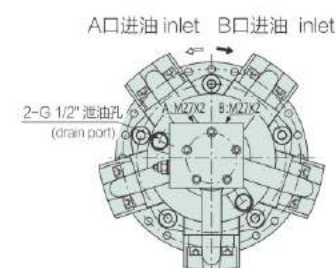
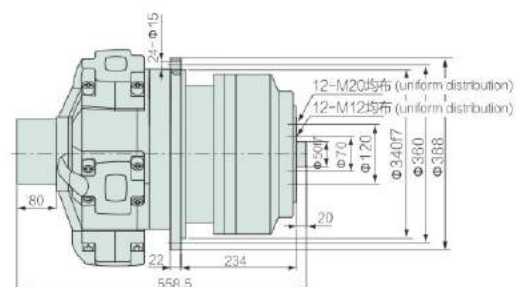
无制动器 Without brake



带制动器(外置式) With brake and external installtion

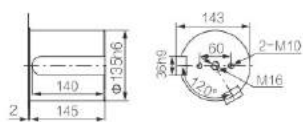


带制动器(内置式) With brake and internal installtion

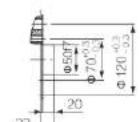


输出轴形式 Shaft dimensions

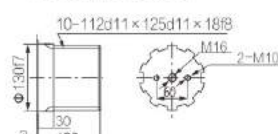
B型平键输出
Flat key B



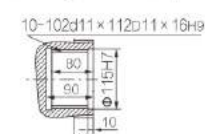
C型螺纹法兰输出
Threaded flange C



F型矩形花键输出
Rectangle spline F



I型内花键输出
Rectangle internal spline I



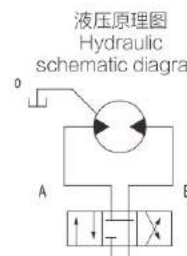
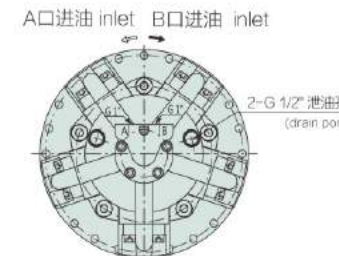
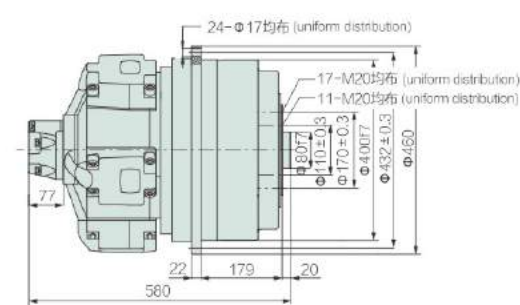
型 号 Model	总排量 Displacement (ml/r)	额定扭矩 Rated Torque (N.m) 16MPa20MPa		转速范围 Speed range (r/min)	总效率 Total efficiency	液压马达型号 Hydraulic motor model	行星减速机型号 Planetary gearbox	制动器型号 Brake
WKY4-3400	3410	7723	9655	0~55	0.9~0.91	HZW11-700	C4-5	Z4
WKY4-3900	3910	8569	10711	0~55	0.9~0.91	HZW11-800	C4-5	Z4
WKY4-4500	4470	10078	-	0~55	0.9~0.91	HZW11-900	C4-5	Z4
WKY4-4900	4917	11086	13857	0~45	0.9~0.91	HZW11-900	C4-5.5	Z4
WKY4-5400	5396	11734	14669	0~45	0.9~0.91	HZW11-1000	C4-5.5	Z4
WKY4-6100	6072	13284	-	0~45	0.9~0.91	HZW11-1100	C4-5.5	Z4

注: 外形联结尺寸及输出轴有特殊要求, 请与我们联系
Note: If you have special requirements on appearance connection size and output shaft, please contact with us directly.

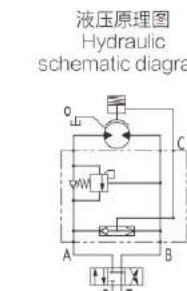
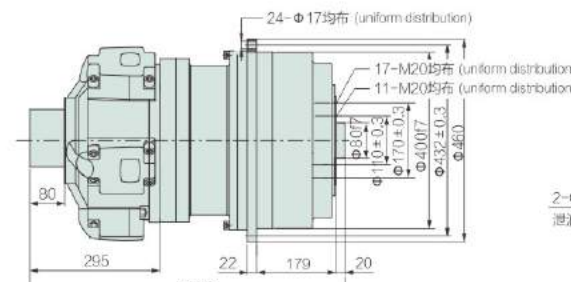
WKY5

品质成就梦想!
Quality achievement dream!

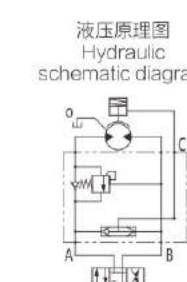
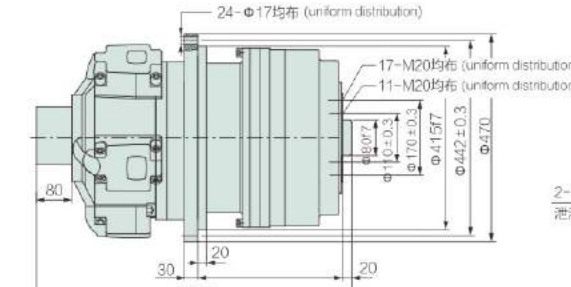
无制动器 Without brake



带制动器(外置式) With brake and external installtion

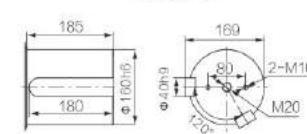


带制动器(内置式) With brake and internal installtion



输出轴形式 Shaft dimensions

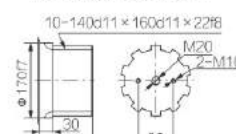
B型平键输出
Flat key B



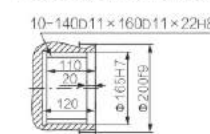
C型螺纹法兰输出
Threaded flange C



F型矩形花键输出
Rectangle splined F



I型内花键输出
Rectangle internal spline I



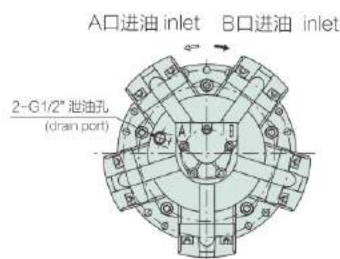
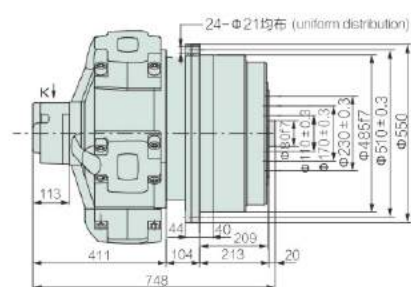
型 号 Model	总排量 Displacement (ml/r)	额定扭矩 Rated Torque (N.m) 16MPa 20MPa		转速范围 Speed range (r/min)	总效率 Total power	液压马达型号 Hydraulic motor model	行星减速机型号 Planetary gearbox	制动器型号 Brake
WKY5-7000	7065	14880	18600	0~40	0.9~0.91	HZW16-1400	C5-5	Z5
WKY5-8250	8240	17834	22292	0~40	0.9~0.91	HZW16-1600	C5-5	Z5
WKY5-9000	9070	19667	24584	0~40	0.9~0.91	HZW16-1800	C5-5	Z5
WKY5-10000	10170	21823	27286	0~40	0.9~0.91	HZW16-2000	C5-5	Z5
WKY5-11000	11870	24011	30014	0~35	0.9~0.91	HZW16-2000	C5-5.5	Z5
WKY5-12500	12469	28685	-	0~35	0.9~0.91	HZW16-2400	C5-5.5	Z5

注: 外形联结尺寸及输出轴有特殊要求, 请与我们联系
Note: If you have special requirements on appearance connection size and output shaft, please contact with us directly.

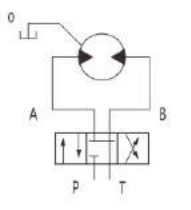
WKY6

品质成就梦想!
Quality achievement dream!

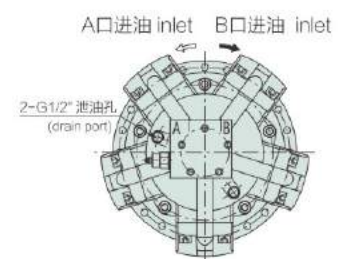
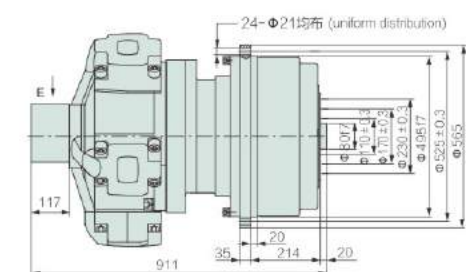
无制动器 Without brake



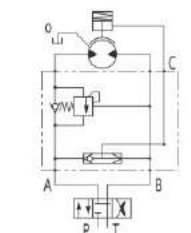
液压原理图
Hydraulic schematic diagram



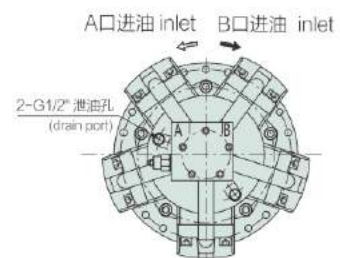
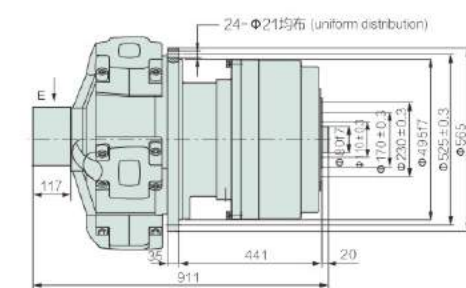
带制动器(外置式) With brake and external installtion



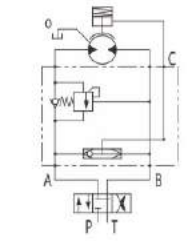
液压原理图
Hydraulic schematic diagram



带制动器(内置式) With brake and internal installtion

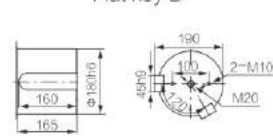


液压原理图
Hydraulic schematic diagram



输出轴形式 Shaft dimensions

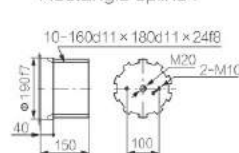
B型平键输出
Flat key B



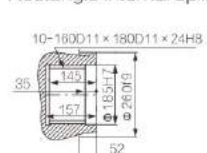
C型螺纹法兰输出
Threaded flange C



F型矩形花键输出
Rectangle spline F



I型内花键输出
Rectangle internal spline I



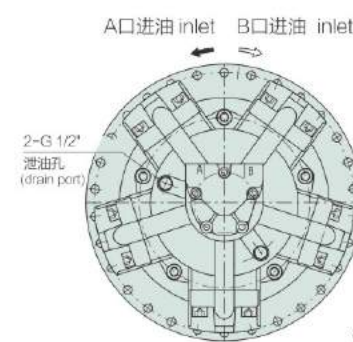
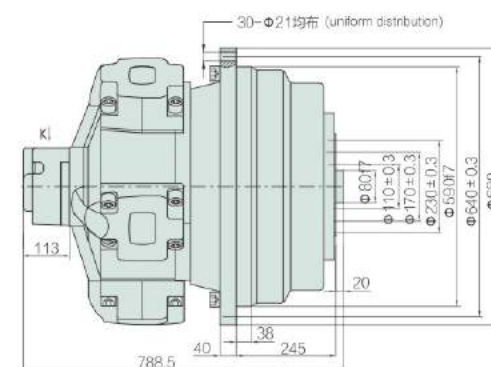
型 号 Model	总排量 Displacement (ml/r)	额定扭矩 Rated Torque (N.m) 16MPa20MPa		转速范围 Speed range (r/min)	总效率 Total power	液压马达型号 Hydraulic motor model	行星减速机型号 Planetary gearbox	制动器型号 Brake
WKY6-14200	14225	29452	36815	0~25	0.9~0.91	HZW31-2800	C6-5	Z6
WKY6-15750	15750	29028	36285	0~25	0.9~0.91	HZW31-3150	C6-5	Z6
WKY6-17675	17630	32493	40616	0~25	0.9~0.91	HZW31-3500	C6-5	Z6
WKY6-20000	19990	36837	46046	0~25	0.9~0.91	HZW31-4000	C6-5	Z6
WKY6-22000	21989	40521	50561	0~20	0.9~0.91	HZW31-4000	C6-5.5	Z6

注: 外形联结尺寸及输出轴有特殊要求, 请与我们联系
Note: If you have special requirements on appearance connection size and output shaft, please contact with us directly.

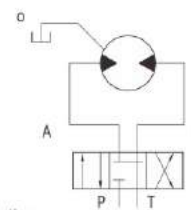
WKY7

品质成就梦想!
Quality achievement dream!

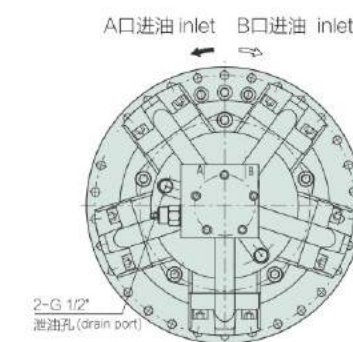
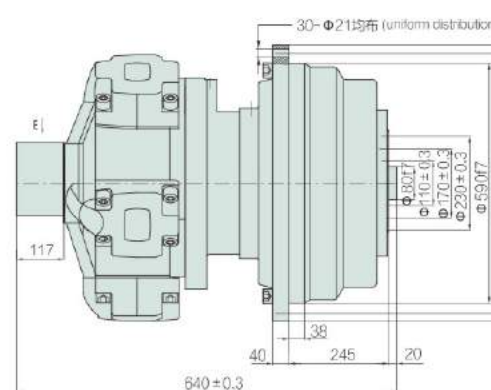
无制动器 Without brake



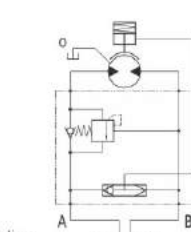
液压原理图
Hydraulic schematic diagram



带制动器(内置式) With brake and internal installtion

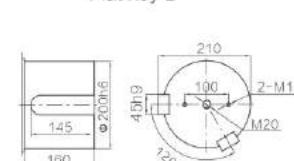


液压原理图
Hydraulic schematic diagram

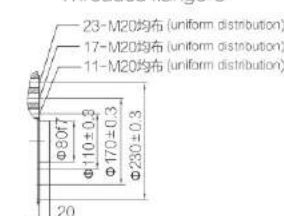


输出轴形式 Shaft dimensions

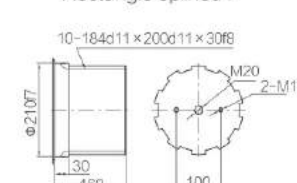
B型平键输出
Flat key B



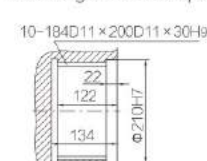
C型螺纹法兰输出
Threaded flange C



F型矩形花键输出
Rectangle splined F



I型内花键输出
Rectangle internal spline I



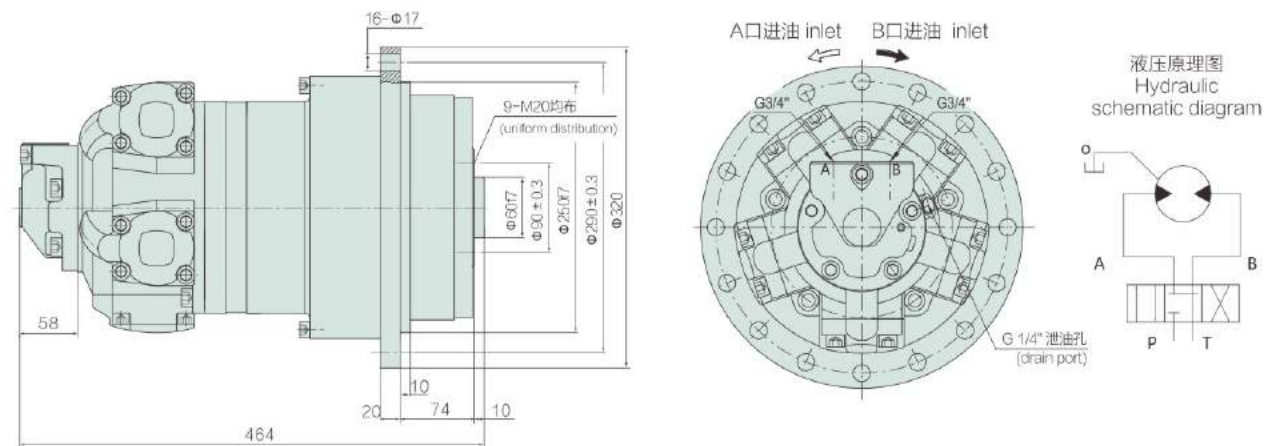
型 号 Model	总排量 Displacement (ml/r)	额定扭矩 Rated Torque (N.m)		转速范围 Speed range (r/min)	总效率 Total power	液压马达型号 Hydraulic motor model	行星减速机型号 Planetary gearbox	制动器型号 Brake
		16MPa	20MPa					
WKY7-21000	20760	44931	56165	0-22	0.9~0.91	HZW31-4000	C7-5	Z7
WKY7-24000	24140	55741	—	0-22	0.9~0.91	HZW31-5000	C7-5	Z7
WKY7-25000	24882	53789	67236	0-22	0.9~0.91	HZW31-4500	C7-5.5	Z7
WKY7-27500	26554	61315	—	0-18	0.9~0.91	HZW31-5000	C7-5.5	Z7

注: 外形联结尺寸及输出轴有特殊要求, 请与我们联系
Note: If you have special requirements on appearance connection size and output shaft, please contact with us directly.

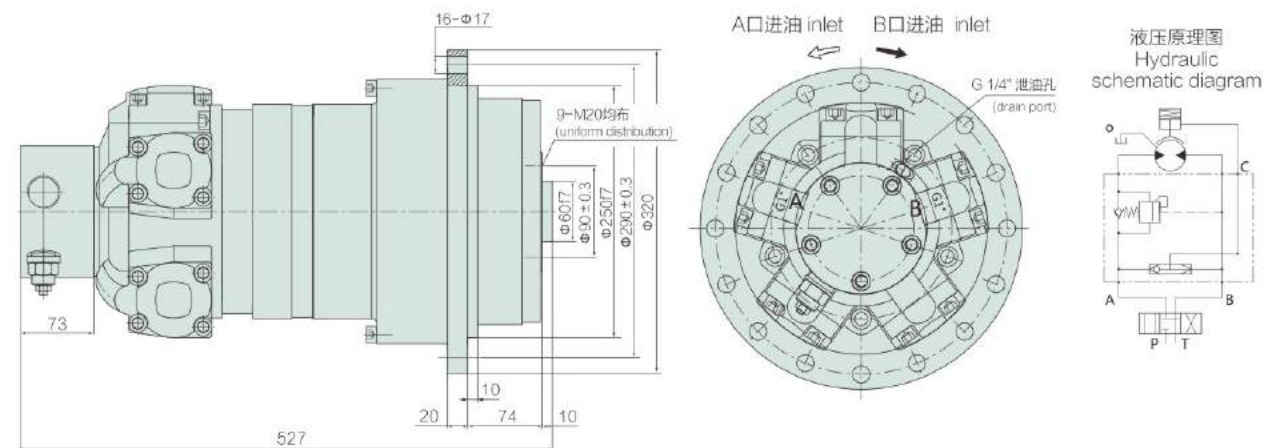
WKY2.5 3

品质成就梦想!
Quality achievement dream!

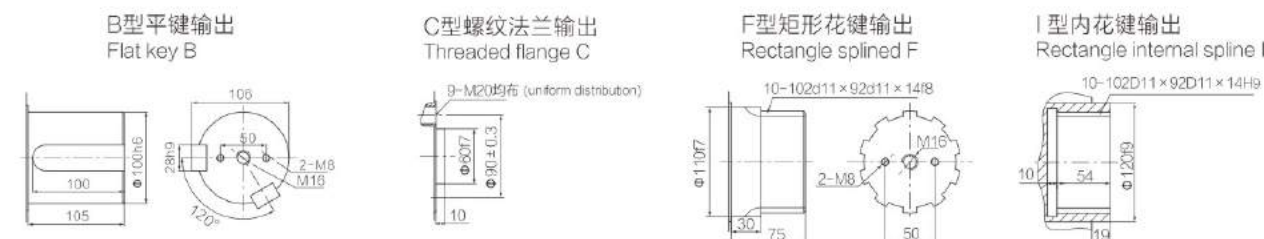
无制动器 Without brake



带制动器(内置式) With brake and internal installtion



输出轴形式 Shaft dimensions



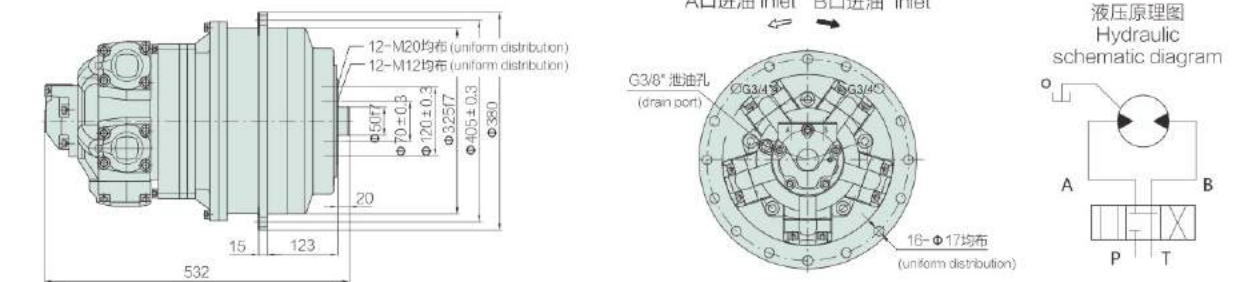
型 号 Model	总排量 Displacement (ml/r)	额定扭矩 Rated Torque (N.m) 16MPa 20MPa		转速范围 Speed range (r/min)	总效率 Total power	液压马达型号 Hydraulic motor model	行星减速机型号 Planetary gearbox	制动器型号 Brake
WKY2.5 3-2250	2260	5068	6336	0~18	0.88~0.9	HZW2-100	C2.5 3-20	Z2.5
WKY2.5 3-2550	2543	5701	7126	0~18	0.88~0.9	HZW2-100	C2.5 3-22.5	Z2.5
WKY2.5 3-3200	3180	7040	8800	0~18	0.88~0.9	HZW2-150	C2.5 3-20	Z2.5
WKY2.5 3-3600	3600	7884	-	0~18	0.88~0.9	HZW2-175	C2.5 3-20	Z2.5
WKY2.5 3-4100	4120	9011	-	0~18	0.88~0.9	HZW2-200	C2.5 3-20	Z2.5

注: 外形联结尺寸及输出轴有特殊要求, 请与我们联系
Note: If you have special requirements on appearance connection size and output shaft, please contact with us directly.

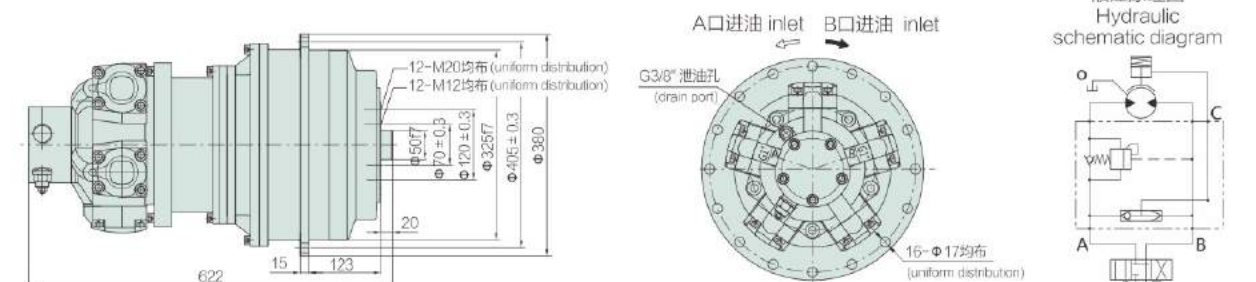
WKY3 4

品质成就梦想!
Quality achievement dream!

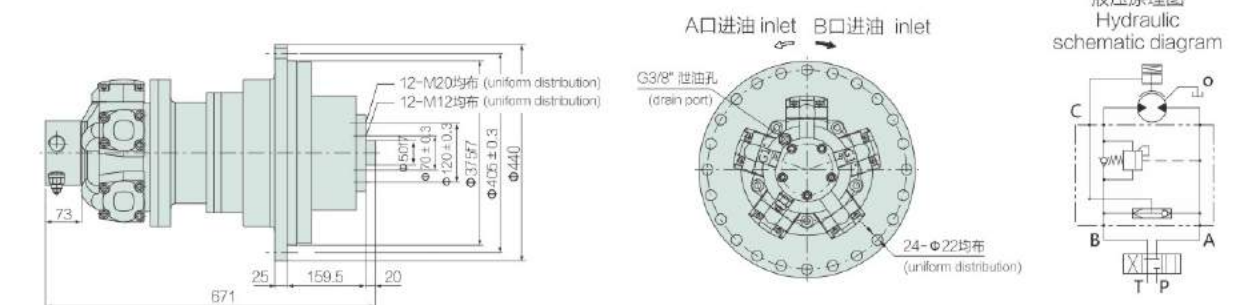
无制动器 Without brake



带制动器(外置式) With brake and external installtion



带制动器(内置式) With brake and internal installtion



输出轴形式 Shaft dimensions



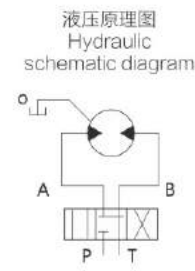
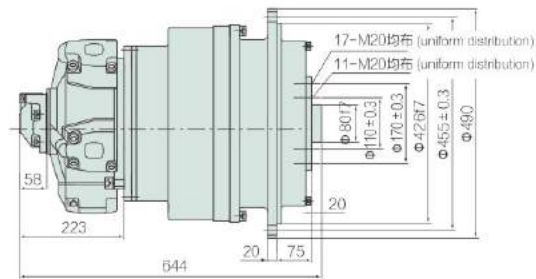
型 号 Model	总排量 Displacement (ml/r)	额定扭矩 Rated Torque (N.m) 16MPa 20MPa		转速范围 Speed range (r/min)	总效率 Total power	液压马达型号 Hydraulic motor model	行星减速机型号 Planetary gearbox	制动器型号 Brake
WKY3 4-3600	3620	7885	9856	0~16	0.88~0.9	HZW3-175	C3 4-20	Z3
WKY3 4-4000	4020	9011	11264	0~16	0.88~0.9	HZW3-200	C3 4-20	Z3
WKY3 4-5000	5068	11039	13798	0~15	0.88~0.9	HZW3-175	C3 4-28	Z3
WKY3 4-5600	5628	12615	15769	0~15	0.88~0.9	HZW3-200	C3 4-28	Z3
WKY3 4-7100	7112	15769	-	0~15	0.88~0.9	HZW3-250	C3 4-28	Z3
WKY3 4-8100	8092	18135	-	0~15	0.88~0.9	HZW3-300	C3 4-28	Z3

注: 外形联结尺寸及输出轴有特殊要求, 请与我们联系
Note: If you have special requirements on appearance connection size and output shaft, please contact with us directly.

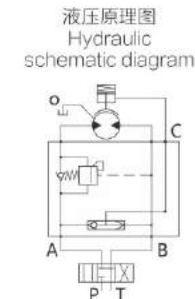
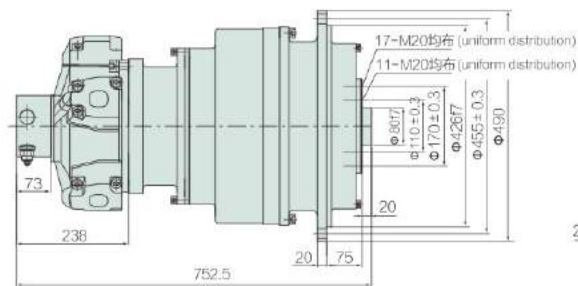
WKY4 5

品质成就梦想!
Quality achievement dream!

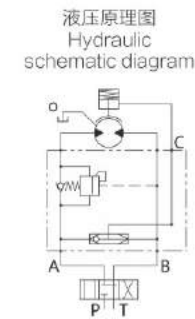
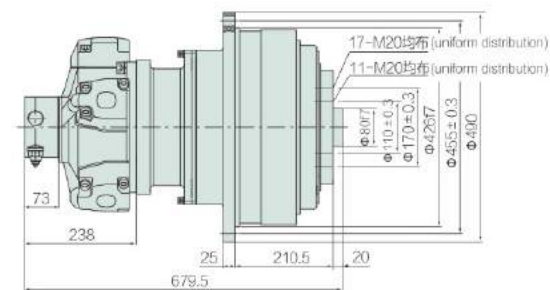
无制动器 Without brake



带制动器(外置式) With brake and external installtion

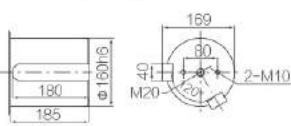


带制动器(内置式) With brake and internal installtion



输出轴形式 Shaft dimensions

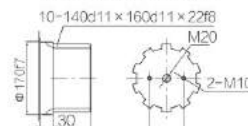
B型平键输出 Flat key B



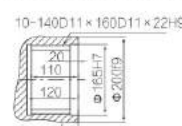
C型螺纹法兰输出 Threaded flange C



F型矩形花键输出 Rectangle splined F



I型内花键输出 Rectangle internal spline I



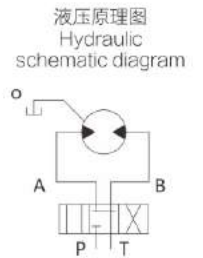
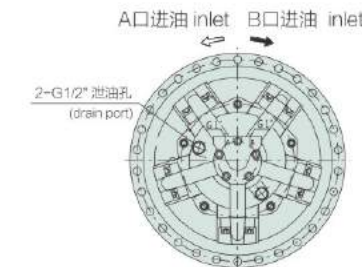
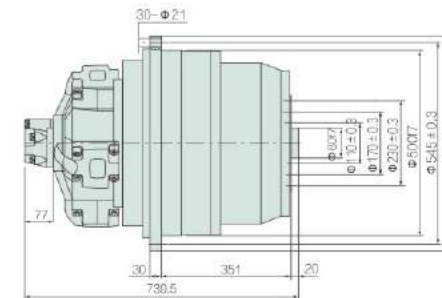
型 号 Model	总排量 Displacement (ml/r)	额定扭矩 Rated Torque (N.m)		转速范围 Speed range (r/min)	总效率 Total power	液压马达型号 Hydraulic motor model	行星减速机型号 Planetary gearbox	制动器型号 Brake
		16MPa	20MPa					
WKY4 5-8000	7940	16704	20880	0~15	0.88~0.9	HZW6-400	C4 5-20	Z4
WKY4 5-9000	9040	18450	23063	0~15	0.88~0.9	HZW6-450	C4 5-20	Z4
WKY4 5-10000	9820	20599	25748	0~15	0.88~0.9	HZW6-500	C4 5-20	Z4
WKY4 5-11000	11116	23386	29232	0~11	0.88~0.9	HZW6-400	C4 5-28	Z4
WKY4 5-12500	12656	25830	32288	0~11	0.88~0.9	HZW6-450	C4 5-28	Z4
WKY4 5-14000	13748	28838	-	0~11	0.88~0.9	HZW6-500	C4 5-28	Z4

注: 外形联结尺寸及输出轴有特殊要求, 请与我们联系
Note: If you have special requirements on appearance connection size and output shaft, please contact with us directly.

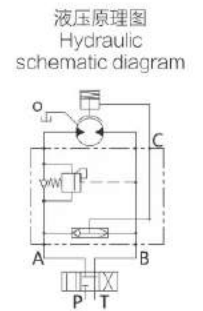
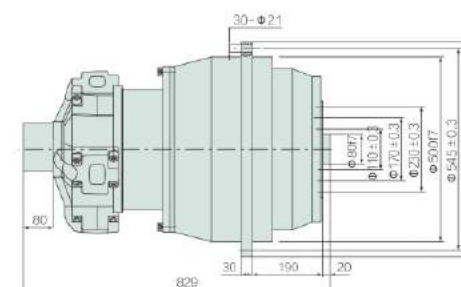
WKY5 6

品质成就梦想!
Quality achievement dream!

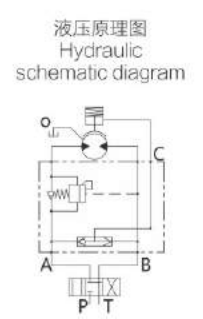
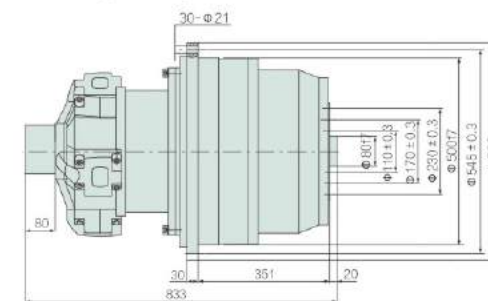
无制动器 Without brake



带制动器(外置式) With brake and external installtion

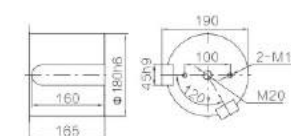


带制动器(内置式) With brake and internal installtion

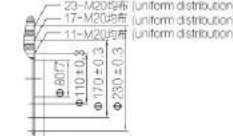


输出轴形式 Shaft dimensions

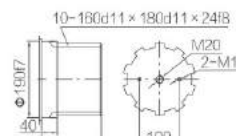
B型平键输出 Flat key B



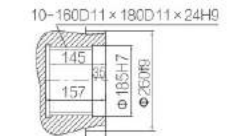
C型螺纹法兰输出 Threaded flange C



F型矩形花键输出 Rectangle splined F



I型内花键输出 Rectangle internal spline I



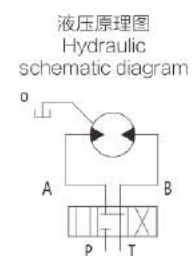
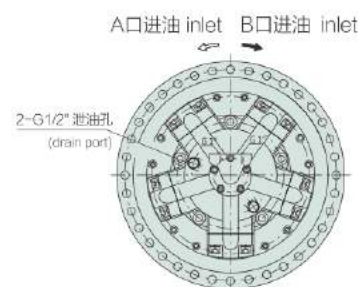
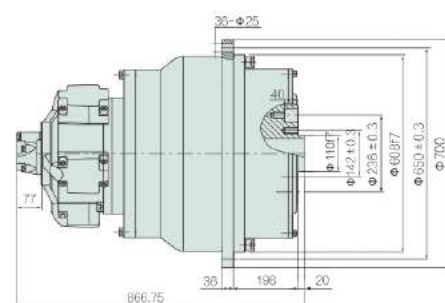
型 号 Model	总排量 Displacement (ml/r)	额定扭矩 Rated Torque (N.m)		转速范围 Speed range (r/min)	总效率 Total power	液压马达型号 Hydraulic motor model	行星减速机型号 Planetary gearbox	制动器型号 Brake
		16MPa	20MPa					
WKY5 6-14000	13640	30041	37551	0~14	0.88~0.9	HZW11-700	C5 6-20	Z5
WKY5 6-16000	15640	33330	41662	0~14	0.88~0.9	HZW11-800	C5 6-20	Z5
WKY5 6-18000	17880	39198	48998	0~14	0.88~0.9	HZW11-900	C5 6-20	Z5
WKY5 6-19000	19124	42057	52571	0~10	0.88~0.9	HZW11-700	C5 6-28	Z5
WKY5 6-22000	21896	46662	58327	0~10	0.88~0.9	HZW11-800	C5 6-28	Z5
WKY5 6-25000	25032	54878	-	0~10	0.88~0.9	HZW11-900	C5 6-28	Z5
WKY5 6-28000	27468	58091	-	0~10	0.88~0.9	HZW11-1000	C5 6-28	Z5

注: 外形联结尺寸及输出轴有特殊要求, 请与我们联系
Note: If you have special requirements on appearance connection size and output shaft, please contact with us directly.

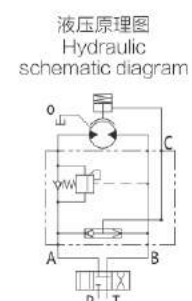
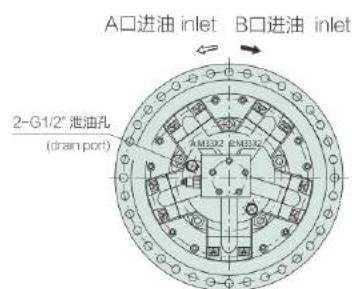
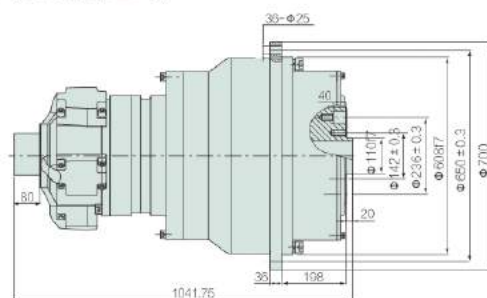
WKY6 7

品质成就梦想!
Quality achievement dream!

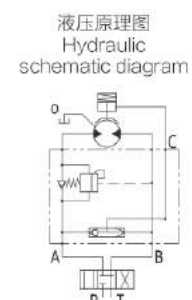
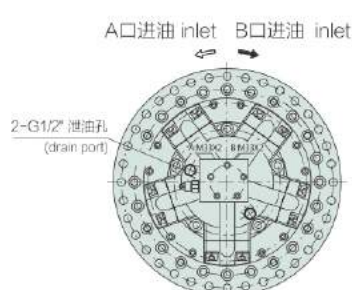
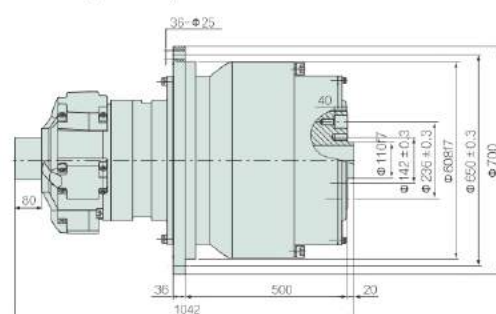
无制动器 Without brake



带制动器(外置式) With brake and external installtion

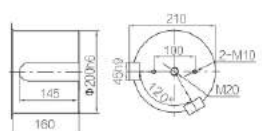


带制动器(内置式) With brake and internal installtion

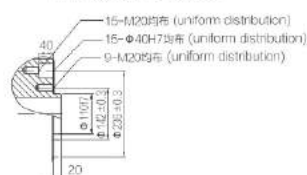


输出轴形式 Shaft dimensions

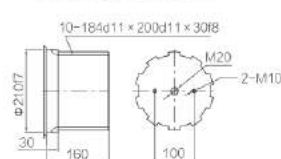
B型平键输出
Flat key B



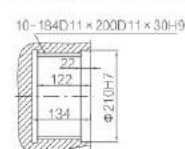
C型螺纹法兰输出
Threaded flange C



F型矩形花键输出
Rectangle splined F



I型内花键输出
Rectangle internal spline I



型号 Model	总排量 Displacement (ml/r)	额定扭矩 Rated Torque (N.m) 16MPa 20MPa	转速范围 Speed range (r/min)	总效率 Total power	液压马达型号 Hydraulic motor model	行星减速机型号 Planetary gearbox	制动器型号 Brake
WKY6 7-28000	28260	57874 72342	0-8	0.88~0.9	HZW16-1400	C6 7-20	Z6
WKY6 7-33000	32960	69364 86704	0-8	0.88~0.9	HZW16-1600	C6 7-20	Z6
WKY6 7-36000	36280	76497 95621	0-8	0.88~0.9	HZW16-1800	C6 7-20	Z6
WKY6 7-40000	39564	81024 101280	0-6	0.88~0.9	HZW16-1400	C6 7-28	Z6
WKY6 7-46000	46144	97109 -	0-6	0.88~0.9	HZW16-1600	C6 7-28	Z6

注: 外形联结尺寸及输出轴有特殊要求, 请与我们联系。
Note: If you have special requirements on appearance connection size and output shaft, please contact with us directly.

WKH

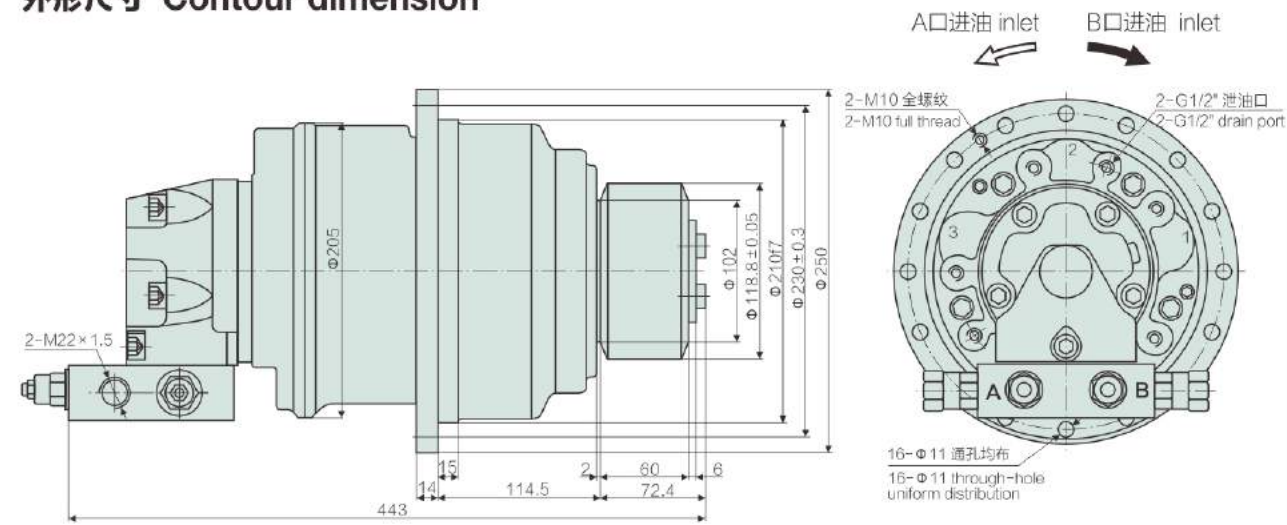
WKH 系列液压回转装置

WKH hydraulic rotation transmission

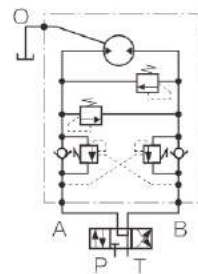


HZH 汉竹液压
HANZHU HYDRAULIC

外形尺寸 Contour dimension



液压原理图
Hydraulic schematic diagram



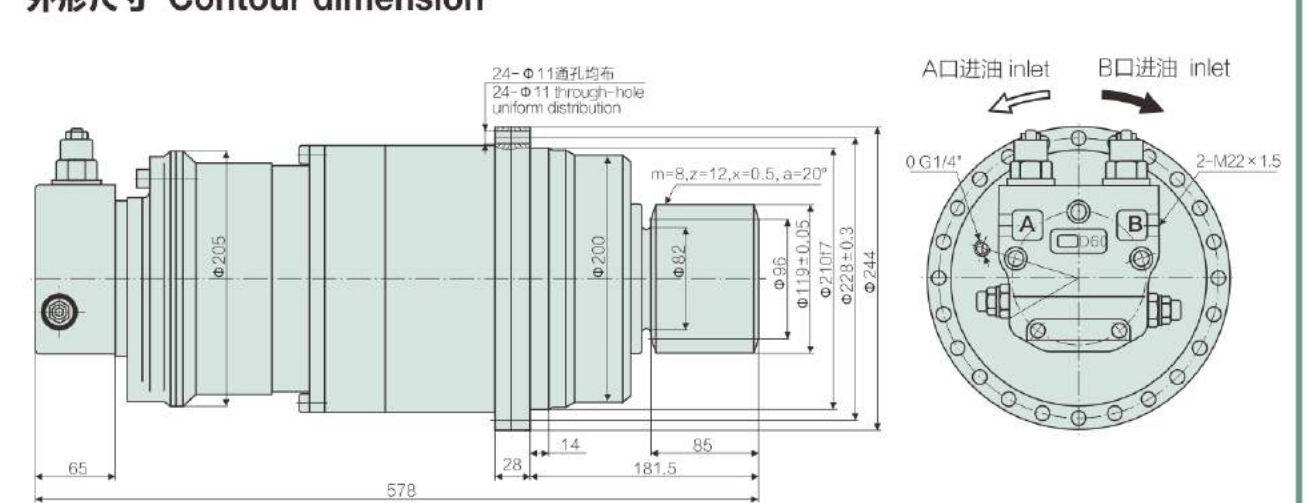
技术参数 Technical data

型号 Model	额定扭矩 Rated torque (N.m)	转速范围 Speed range (r/min)	额定压力 Rated pressure (Mpa)	总排量 Displacement (ml/r)	液压马达 Hydraulic motor		传动比 Rotating ratio	适用机重 Applicative machine weight (kg)	总重量 Weight kg	齿轮参数 Gear Parameters		
					型号 Model	排量 Displacement (ml/r)				m	z	x1
WKH2.5-1000D47+F	1000	0~63	20	407	HZH05-75	74	5.5	2~5	85	6	17	0.5
WKH2.5-1200D47+F	1200	0~63	20	473	HZH05-90	86	5.5	2~5	85	6	17	0.5
WKH2.5-1500D47+F	1500	0~63	16	709	HZH05-130	129	5.5	2~5	85	6	17	0.5
WKH2.5-1700D47+F	1700	0~63	16	825	HZH05-150	151	5.5	2~5	85	6	17	0.5
WKH2.5-2000D47+F	2000	0~63	16	1100	HZH05-200	191	5.5	2~5	85	6	17	0.5

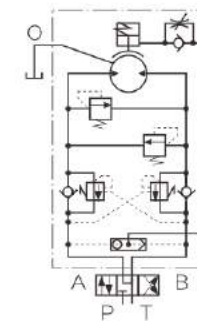
注：上表齿轮参数为推荐值，用户如有需要，我公司可按用户要求设计。
上述回转装置已采用缓冲过载阀。

Note: The gear parameter on above chart is recommendation value. If the customer need, our company can design according to the requirements of customers.
The above rotary device has been using buffer overload valve.

外形尺寸 Contour dimension



液压原理图
Hydraulic schematic diagram



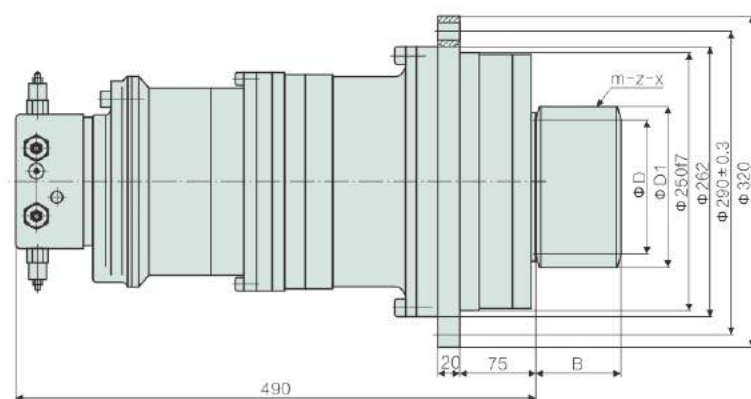
技术参数 Technical data

型号 Model	额定扭矩 Rated torque (N.m)	转速范围 Speed range (r/min)	总排量 Displacement (ml/r)	液压马达型号 Hydraulic motor model	传动比 Rotating ratio	额定压力 Rated pressure (Mpa)	齿轮参数 Gear Parameters		
							m	z	x1
WKH2.5 2.5-1700D60221	1700	0~31	1720	HZH05-90	20	9	8	12	0.5
WKH2.5 2.5-3000D60221	3000	0~25	3020	HZH05-150	20	9	8	12	0.5
WKH2.5 2.5-3500D60221	3500	0~17	3820	HZH05-200	20	9	8	12	0.5

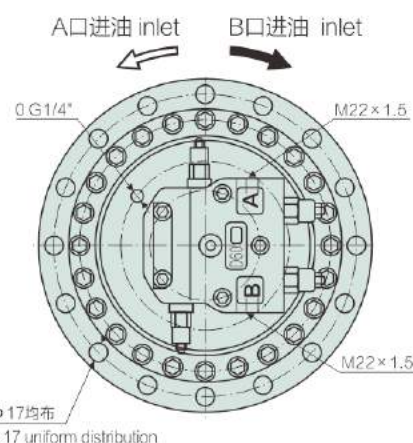
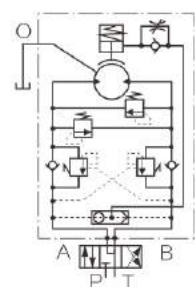
注：上表齿轮参数为推荐值，用户如有需要，我公司可按用户要求设计。
Note: The gear parameter on above chart is recommendation value. If the customer need, our company can design according to the requirements of customers.

品质成就梦想!
Quality achievement dream!

外形尺寸 Contour dimension



液压原理图
Hydraulic
schematic diagram



技术参数 Technical data

型 号 Model	额定扭矩 Rated torque (N.m)	传动比 Rotating ratio	转速范围 Speed range (r/min)	额定压力 Rated pressure (Mpa)	总排量 Displacement (ml/r)	液压马达型号 Hydraulic motor model	制动器型号 Brake		最大功率 Max. power
							静制动扭矩 Brake torque (N.m)	开启压力 Releasing pressure (Mpa)	
WKH2.5 3-3000D60221	3000	28	0-25	16	1720	HZH05-90D60221	4800	2.5	36kw
WKH2.5 3-4000D60221	4000	20	0-32.5	16	2300	HZH05-110D60221	6000	2.5	36kw
WKH2.5 3-5000D60221	5000	20	0-32.5	16	2580	HZH05-130D60221	7500	2.5	36kw
WKH2.5 3-6300D60221	6500	20	0-30	16	3320	HZH05-170D60221	9500	2.6	36kw

Note: The gear parameter on above chart is recommendation value. If the customer need, our company can design according to the requirements of customers.

输出齿轮外形尺寸 Export gear size

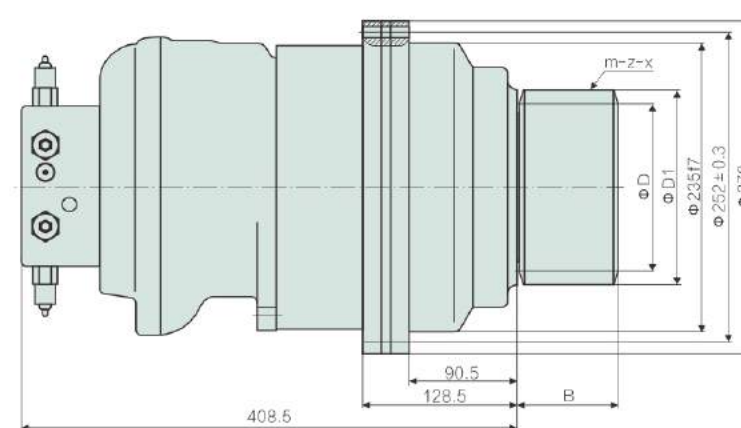
模数 Module (m)	齿数 Number of teeth (z)	变位系数 Modification coefficient (x)	ΦD	ΦD1	B
6	17	0.5	102	118.80	60
8	13	0.63	104	127.408	90
8	15	0.63	120	145.63	80
8	13	0.63	104	127.408	90
10	13	0.5	130	160	85
10	13	0.63	130	149.35	120

注：1、输出齿轮的选用必须考虑输出扭矩的大小，以保住齿轮和传动轴的强度。
2、配流器的选用应参照系统允许供油量的大小，上述配油器和输出具轮仅为常用形式。
3、公司可根据客户需要提供各种规格形式的回转装置，详情请与本公司联系。

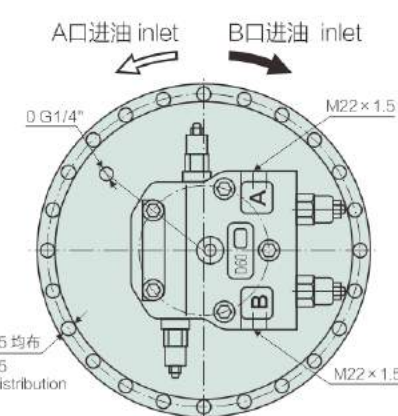
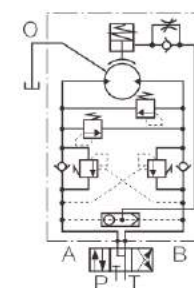
Note: 1. The selection of output gear must consider the size of the output torque, in order to keep the strength of the gear and the transmission shaft.
2. The selection of distributor should refer to the size of allowable system oil supply. The above oil distributor and output gear is only the common form.
3. Our company can according to the customer requirements to provide various forms of rotary device. For details, please contact with the company.

品质成就梦想!
Quality achievement dream!

外形尺寸 Contour dimension



Hydraulic schematic diagram



D120221 Inlet and outlet fluid port M33 × 2

技术参数 Technical data

型 号 Model	额定扭矩 Rated torque (N.m)	传动比 Rotating ratio	转速范围 Speed range (r/min)	额定压力 Rated pressure (Mpa)	总排量 Displacement (ml/r)	液压马达型号 Hydraulic motor model	制动器型号 Brake		最大功率 Max. power
							静制动扭矩 Brake torque (N.m)	开启压力 Releasing pressure (Mpa)	
WKH3-1600D60221	1685	5	0-110	16	860	HZH1-175D60221	2520	2.2	48kw
WKH3-2000D60221	2000	7	0-80	16	1078	HZH1-150D60221	3000	2.2	48kw
WKH3-2600D60221	2600	7	0-80	16	1344	HZH1-200D60221	3900	2.2	48kw
WKH3-3400D120221	3400	5	0-100	16	1735	HZH2-350D120221	4800	2.2	48kw
WKH3-4000D120221	4166	5	0-90	16	2125	HZH2-420D120221	6000	2.2	48kw
WKH3-5300D120221	5316	5.5	0-80	16	2711.3	HZH2-500D120221	7800	2.2	48kw

Note: The gear parameter on above chart is recommendation value. If the customer need, our company can design according to the requirements of customers.

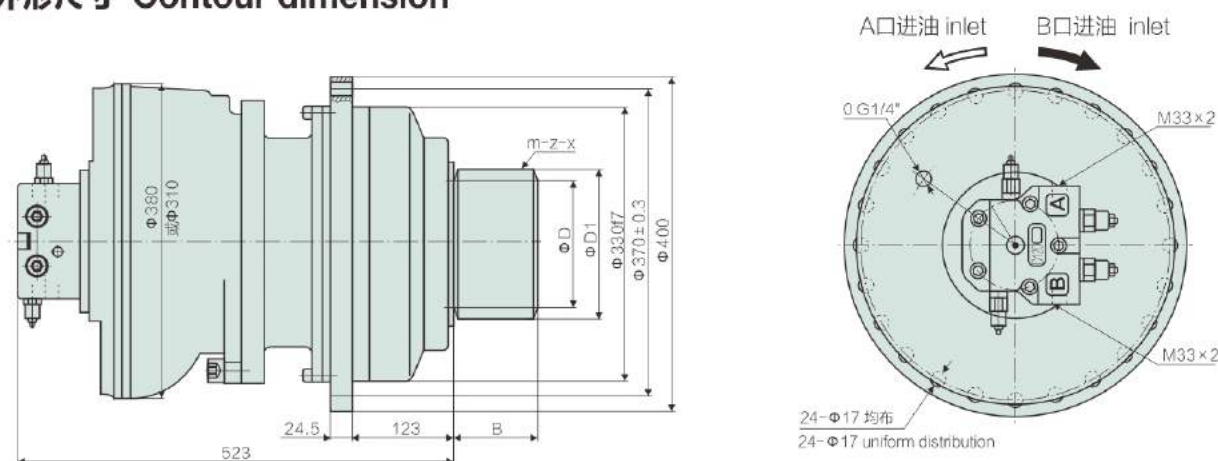
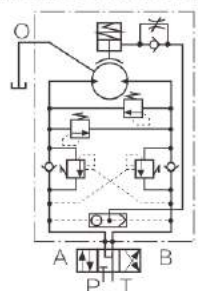
输出齿轮外形尺寸 Export gear size

模数 Module (m)	齿数 Number of teeth (z)	变位系数 Modification coefficient (x)	ΦD	ΦD_1	B
6	17	0.5	102	118.80	60
8	15	0.5	120	143.24	60
8	17	0.3	136	156.8	90
8	17	0.5	136	159.04	65
10	12	0.63	120	149	80
10	15	0.7	150	180.44	100
10	18	0.7	180	212.7	88
12	14	0.35	168	199.53	100
12	15	0.65	180	216.39	90

注：1、输出齿轮的选用必须考虑输出扭矩的大小，
以保住齿轮和传动轴的强度。
2、过滤器的选用应参照系统允许供油量的大小，
上述配油器和输出具单元仅为常用形式。
3、公司可根据客户需要提供各种规格形式的
回转装置，详情请与本公司联系。

Note: 1. The selection of output gear must consider the
size of the output torque, in order to keep the
strength of the gear and the transmission shaft.
2. The selection of distributor should refer to the
size of allowable system of supply. The above
oil distributor and output gear is only the
common form.
3. Our company can according to the customer
requirements to provide various forms of rotary
device. For details, please contact with the
company.

外形尺寸 Contour dimension

液压原理图
Hydraulic schematic diagram

技术参数 Technical data

型号 Model	额定扭矩 Rated torque (N.m)	传动比 Rotating ratio	转速范围 Speed range (r/min)	额定压力 Rated pressure (Mpa)	总排量 Displacement (ml/r)	液压马达型号 Hydraulic motor model	制动器型号 Brake		最大功率 Max. power
							静制动扭矩 Brake torque (N.m)	开启压力 Releasing pressure (Mpa)	
WKH4-5000D120221	4873	5	0-90	16	2430	HZH2-500D120221	6500	2.5	96kw
WKH4-6500D120221	6562	5.5	0-90	16	3272.5	HZH2-600D120221	9450	2.5	96kw
WKH4-8000D120221	7951	5	0-80	16	3960	HZH3-800D120221	12000	2.6	96kw
WKH4-10000D120221	10886	5.5	0-40	16	5428.5	HZH3-1000D120221	15000	2.6	96kw

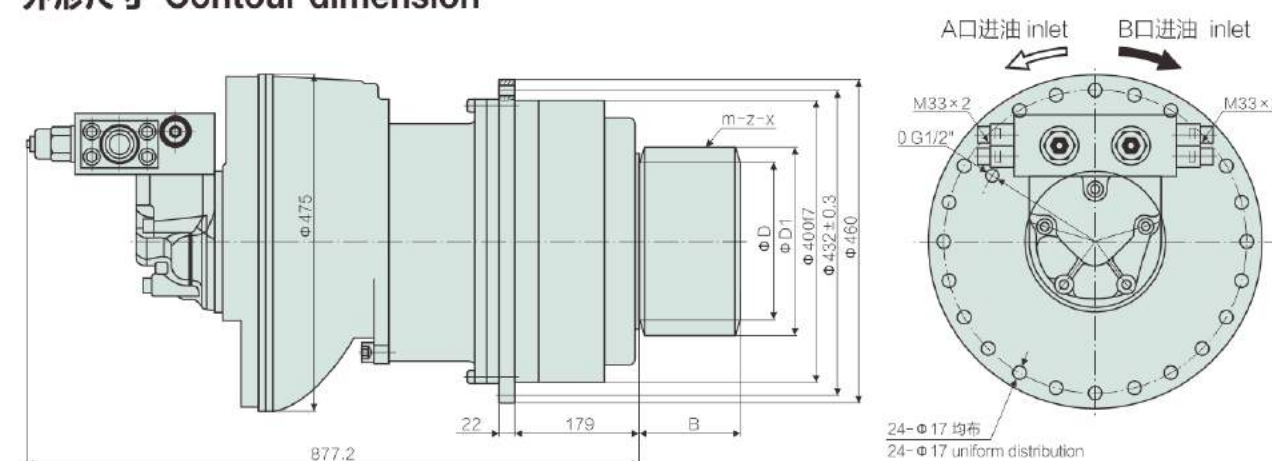
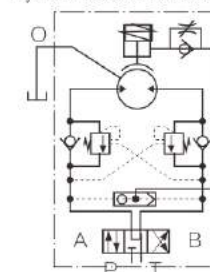
注：上表齿轮参数为推荐值，用户如有需要，我公司可按用户要求设计。
Note: The gear parameter on above chart is recommendation value. If the customer need, our company can design according to the requirements of customers.

输出齿轮外形尺寸 Export gear size

模数 Module (m)	齿数 Number of teeth (z)	变位系数 Modification coefficient (x)	ΦD	ΦD1	B
10	17	0.6	170	200.64	85
12	13	0.5	156	191.5	100
12	18	0.564	216	252.03	85
14	15	0.5	210	250.58	100
16	12	0.641	192	241.6	125
16	12	0.5	192	238.4	100

注：1. 输出齿轮的选用必须考虑输出扭矩的大小，以保住齿轮和传动轴的强度。
2. 配油器的选用应参照系统允许供油量的大小，上述配油器和输出齿轮仅为常用形式。
3. 公司可根据客户需要提供各种规格形式的回转装置，详情请与本公司联系。
Note: 1. The selection of output gear must consider the size of the output torque, in order to keep the strength of the gear and the transmission shaft.
2. The selection of distributor should refer to the size of allowable system oil supply. The above oil distributor and output gear is only the common form.
3. Our company can according to the customer requirements to provide various forms of rotary device. For details, please contact with the company.

外形尺寸 Contour dimension

液压原理图
Hydraulic schematic diagram

技术参数 Technical data

型号 Model	额定扭矩 Rated torque (N.m)	传动比 Rotating ratio	转速范围 Speed range (r/min)	额定压力 Rated pressure (Mpa)	总排量 Displacement (ml/r)	液压马达型号 Hydraulic motor model	制动器型号 Brake		最大功率 Max. power
							静制动扭矩 Brake torque (N.m)	开启压力 Releasing pressure (Mpa)	
WKH5-13000D90F480221	13195	5	0-40	16	6580	HZH4-1300D90F480221	30000	2.8	160kw
WKH5-14000D90F480221	14514	5.5	0-35	16	7238	HZH4-1300D90F480221	37500	2.8	160kw
WKH5-20000D90F480221	20029	5.5	0-32	16	9988	HZH5-1800D90F480221	37500	2.8	160kw
WKH5-22000D90F480221	22136	5.5	0-30	16	11038.5	HZH5-2000D90F480221	39000	2.8	160kw

注：上表齿轮参数为推荐值，用户如有需要，我公司可按用户要求设计。
Note: The gear parameter on above chart is recommendation value. If the customer need, our company can design according to the requirements of customers.

输出齿轮外形尺寸 Export gear size

模数 Module (m)	齿数 Number of teeth (z)	变位系数 Modification coefficient (x)	ΦD	ΦD1	B
12	18	0.564	216	252.03	85
12	19	0	228	252	100
14	15	0.5	210	250.58	100
14	16	0.5	224	266	140
16	12	0.5	192	237.92	100

注：1. 输出齿轮的选用必须考虑输出扭矩的大小，以保住齿轮和传动轴的强度。
2. 配油器的选用应参照系统允许供油量的大小，上述配油器和输出齿轮仅为常用形式。
3. 公司可根据客户需要提供各种规格形式的回转装置，详情请与本公司联系。
Note: 1. The selection of output gear must consider the size of the output torque, in order to keep the strength of the gear and the transmission shaft.
2. The selection of distributor should refer to the size of allowable system oil supply. The above oil distributor and output gear is only the common form.
3. Our company can according to the customer requirements to provide various forms of rotary device. For details, please contact with the company.

PRODUCTS APPLICATION

产品应用

公司生产的各类产品可广泛应用于矿山建筑工程机械，起重运输设备、重型冶金机械、石油煤矿机械、船舶甲板机械、机床、轻工、塑料机械、地质钻探设备、农业和林业机械、矿物机械、建筑设备和工作平台、割草机、特殊车辆、渔业卷扬机、工具机、木工和锯木机、橡胶机械等各种机械的液压传动系统中，特别适用于注塑机的螺杆驱动、提升绞盘、卷筒的驱动、各种回转机构的驱动履带和轮子行走机构的驱动。

All kinds of products produced by our company can be widely applied in mining machinery, construction machinery, handling facility, metallurgical machinery, petroleum machinery, coal mine machinery, deck machinery, machine tool, light industry, plastic machinery, Geological drilling equipment, agricultural machinery, forestry machinery, construction equipment, grass cutter, special vehicles, toolroom machine, sawmill, rubber manufacturing machinery and other mechanical hydraulic transmission system. Especially suitable for injection molding machine's screw drive, upgrade winch, drum drive, all kinds of swing mechanism's caterpillar drive and wheel travelling mechanism's drive.

