

产品展示 & 应用

Product Shows & Applications



IGY××T Hydrostatic Drive Series (Travel Motor)

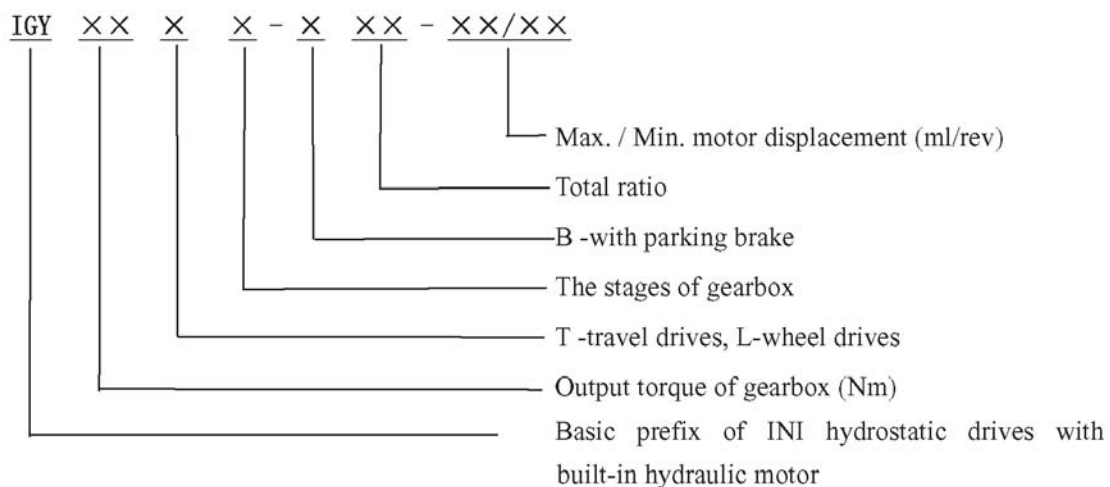
1. Brief Introduction

The IGY××T hydrostatic drive series consist of built-in variable displacement piston motor, multi-disc brake, planetary gearbox, and functional valve block. The drives feature high working efficiency, long life, great reliability, compact design, high working pressure and Hi-low speed switch control. The case-rotation type travel drives not only can be directly installed inside the crawler or wheel, but also can be used in road header or milling machine for power turning drives.

The drives adopt our patented technology and design experience. The Dimensions and technical performance of the drives conform to Nebtesco, KYB, Nachi, and TONGMYUNG. So our drives can also be used for replacement.

The drives described in this catalog are of the standard type. Other design variants with different ratio, dimensions, and power characteristics are available if so requested for specific applications. The drives have been widely applied in crawler excavator, crawler cranes, road milling machine, road header, road roller, track vehicles, aerial platform, and self-propel drill rigs. The drives not only have been used by domestic customer such as SANY, XCMG, ZOOMLION, but also have been exported to Southeast Asia, Middle East, India, South Korea, Netherlands, Germany and Russia and so on.

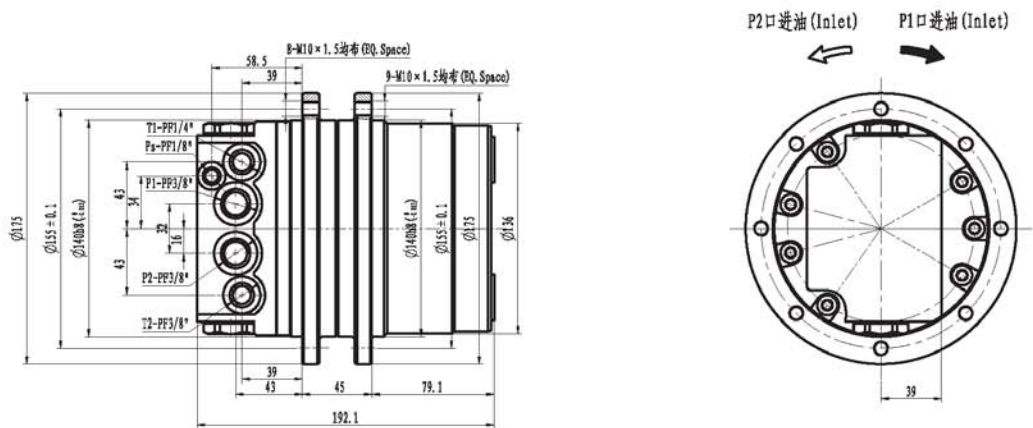
2. Model Options



3. Options Example

IGY4800T2-B45-34/17 represents that the drive has output torque of 4800Nm, two stages planetary gearbox for travel drives with a total ratio of 45, fitted with a multi-disc parking brake, and high speed axial hydraulic motor. The hydraulic motor has a variable displacement (two speed) of 34ml/rev in low speed position and 17ml/rev in high speed position.

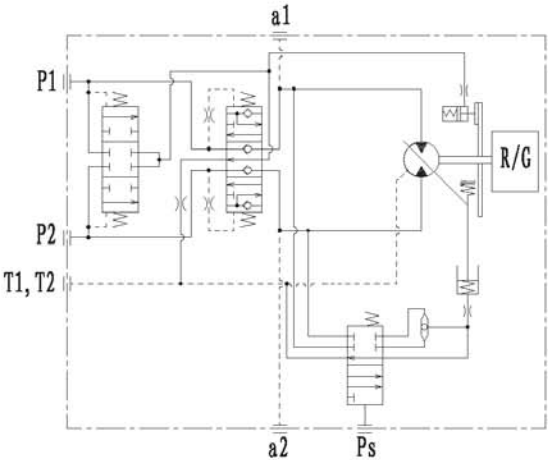
外形尺寸
Dimensions



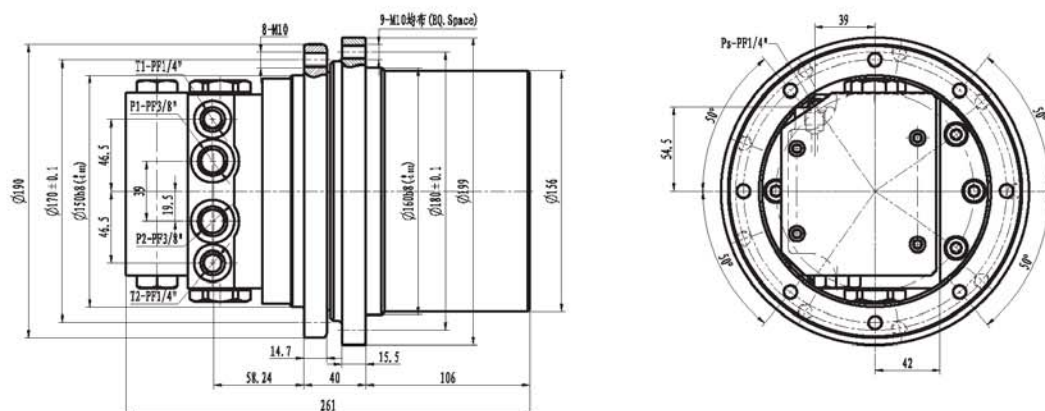
技术参数
Specifications

最大输出扭矩 Max. Output Torque N. m	最大总排量 Max. Total Displacement ml/rev	液压马达排量 Motor Displacement ml/rev	传动比 Gear Ratio	最高转速 Max. Speed rpm	最大流量 Max. Flow L/min	最高压力 Max. Pressure MPa	重量 Mass Kg	适用机重 Applicable Vehicle Mass Ton
1396	458.3	11.4/7.3 16.5/10.6	36.96 25.26	80	20	24.5	17	1~1.5

液压原理图



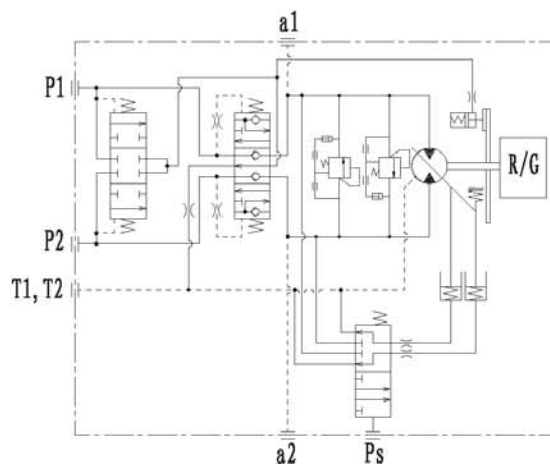
外形尺寸 Dimensions



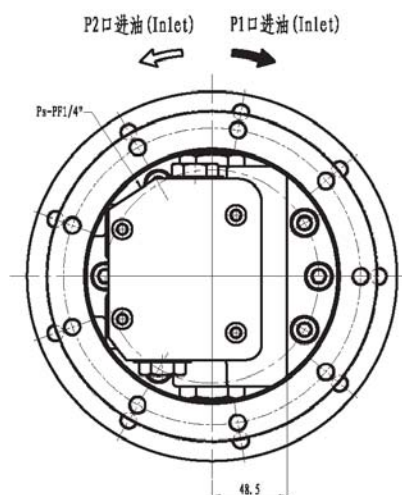
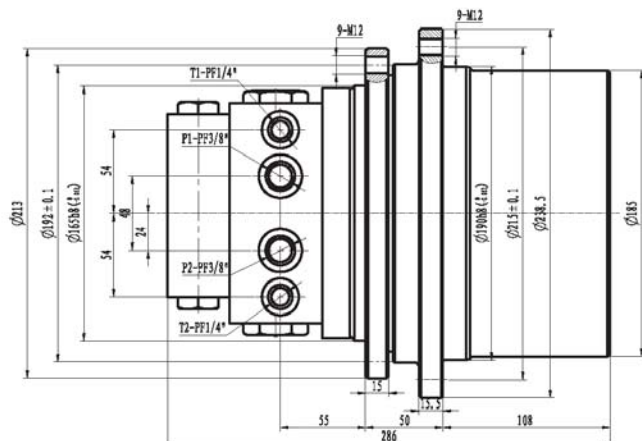
技术参数 Specifications

最大输出扭矩 Max. Output Torque N.m	最大总排量 Max. Total Displacement ml/rev	液压马达排量 Motor Displacement ml/rev	传动比 Gear Ratio	最高转速 Max. Speed rpm	最大流量 Max. Flow L/min	最高压力 Max. Pressure MPa	重量 Mass Kg	适用机重 Applicable Vehicle Mass Ton
2160	773	11.4/7.3 16.5/10.6	33.980 36.474 42.958	70	30	24.5	27	2~3

液压原理图



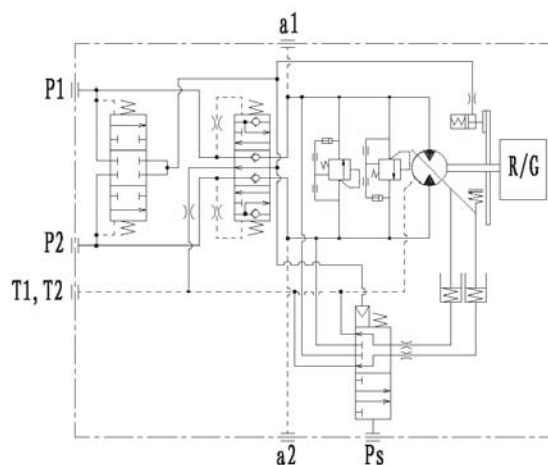
外形尺寸 Dimensions



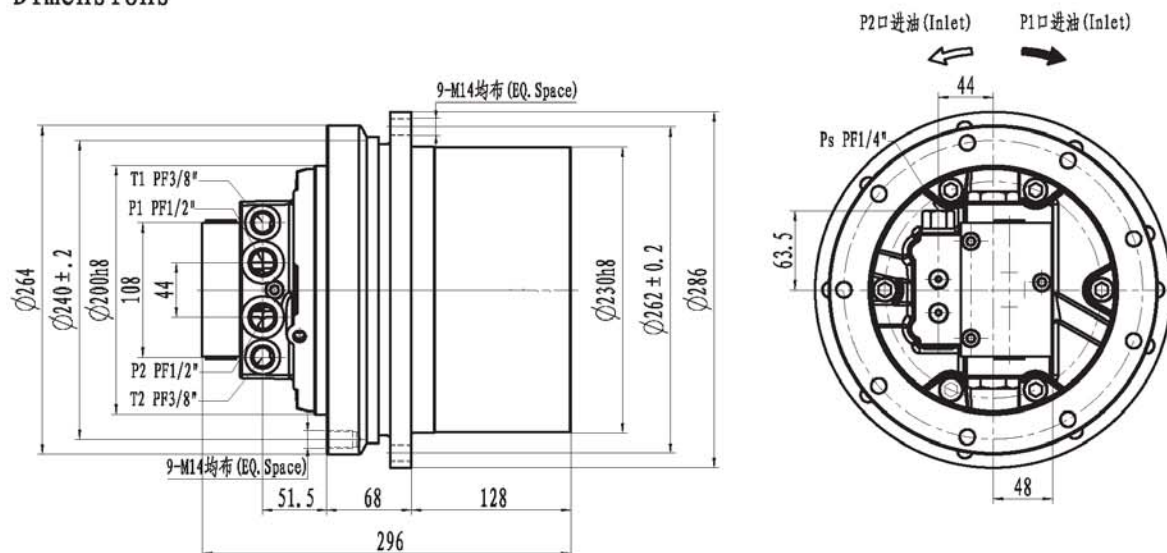
技术参数 Specifications

最大输出扭矩 Max. Output Torque	最大总排量 Max. Total Displacement	液压马达排量 Motor Displacement	传动比 Gear Ratio	最高转速 Max. Speed	最大流量 Max. Flow	最高压力 Max. Pressure	重量 Mass	适用机重 Applicable Vehicle Mass
N.m	ml/rev	ml/rev		rpm	L/min	MPa	Kg	Ton
3140	954	18.0/9.0	45 48.636 53	60	40	27.5	37	3~4

液压原理图



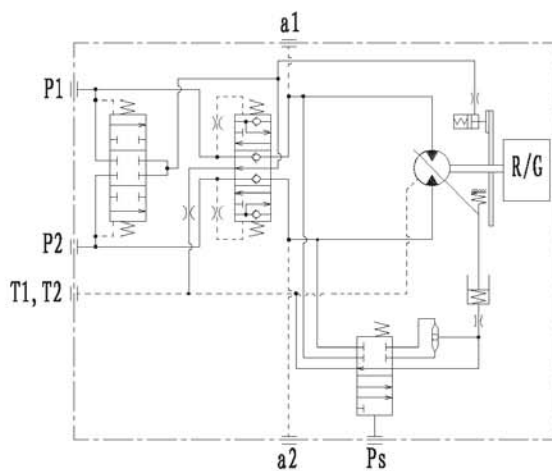
外形尺寸 Dimensions



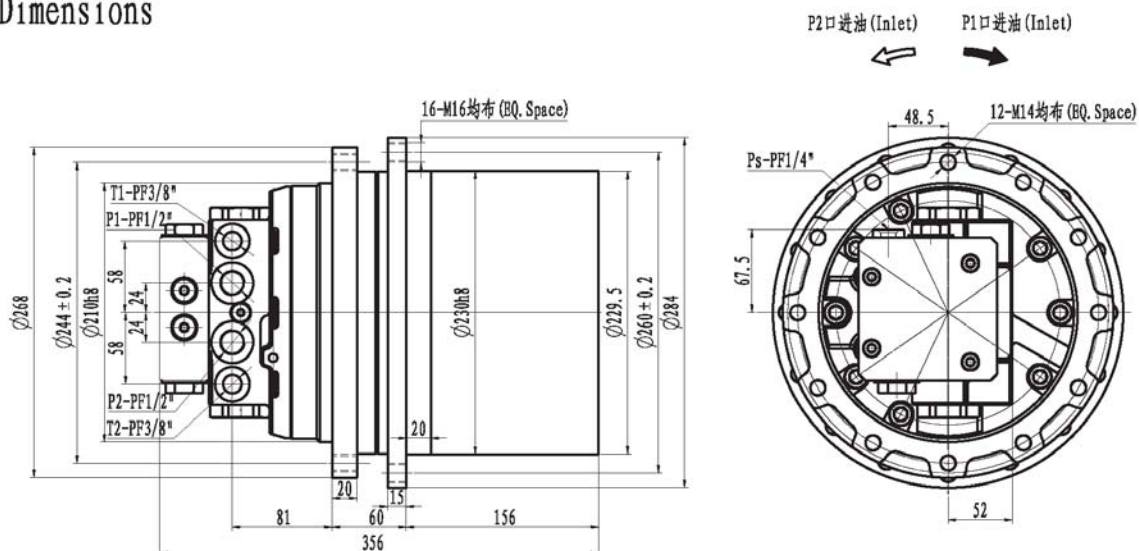
技术参数 Specifications

最大输出扭矩 Max. Output Torque	最大总排量 Max. Total Displacement	液压马达排量 Motor Displacement	传动比 Gear Ratio	最高转速 Max. Speed	最大流量 Max. Flow	最高压力 Max. Pressure	重量 Mass	适用机重 Applicable Vehicle Mass
N. m	ml/rev	ml/rev		rpm	L/min	MPa	Kg	Ton
7000	1874.3	34.9/22.7 34.9/17.5	45.057 53.706	55	60	30	60	5~6

液压原理图



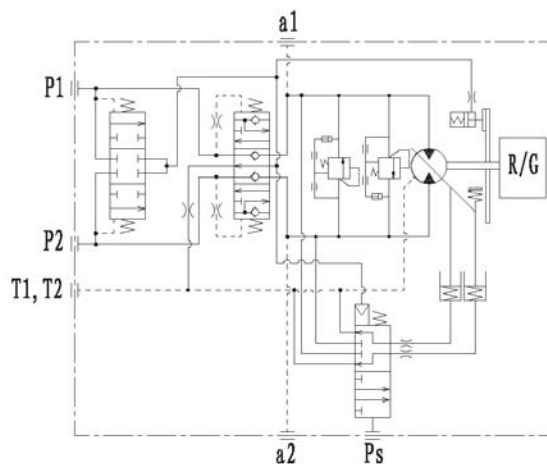
外形尺寸 Dimensions



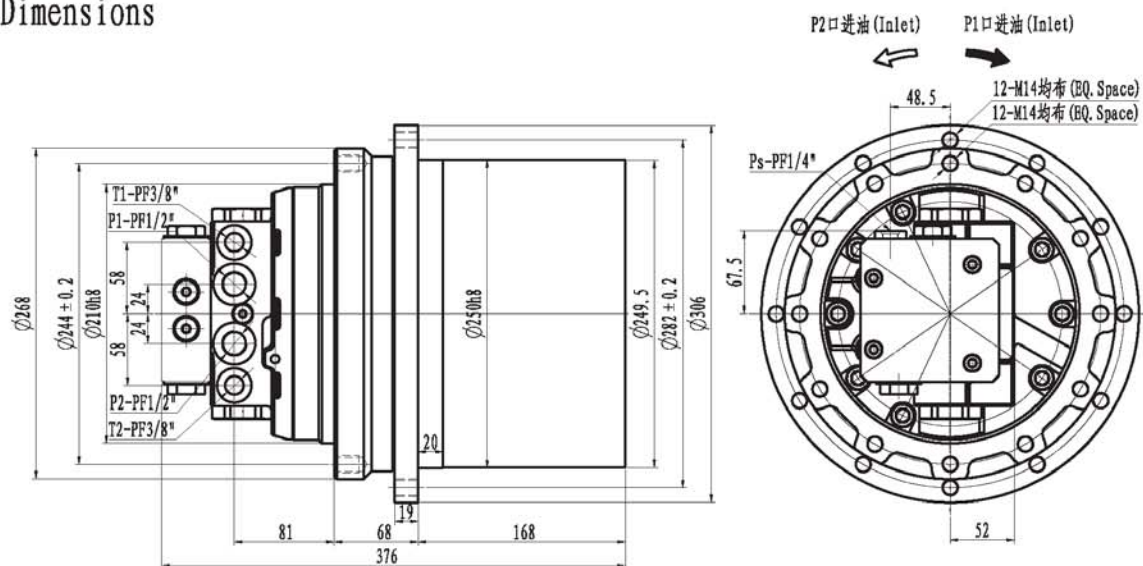
技术参数 Specifications

最大输出扭矩 Max. Output Torque	最大总排量 Max. Total Displacement	液压马达排量 Motor Displacement	传动比 Gear Ratio	最高转速 Max. Speed	最大流量 Max. Flow	最高压力 Max. Pressure	重量 Mass	适用机重 Applicable Vehicle Mass
N.m	ml/rev	ml/rev		rpm	L/min	MPa	Kg	Ton
9000	2750.7	51.9/34 44.4/26.6	53	55	80	30	75	6~8

液压原理图



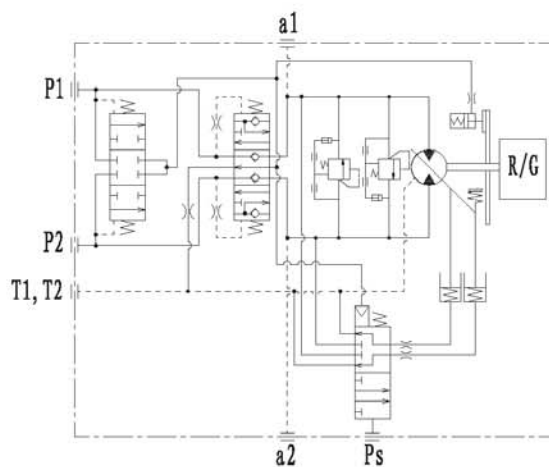
外形尺寸 Dimensions



技术参数 Specifications

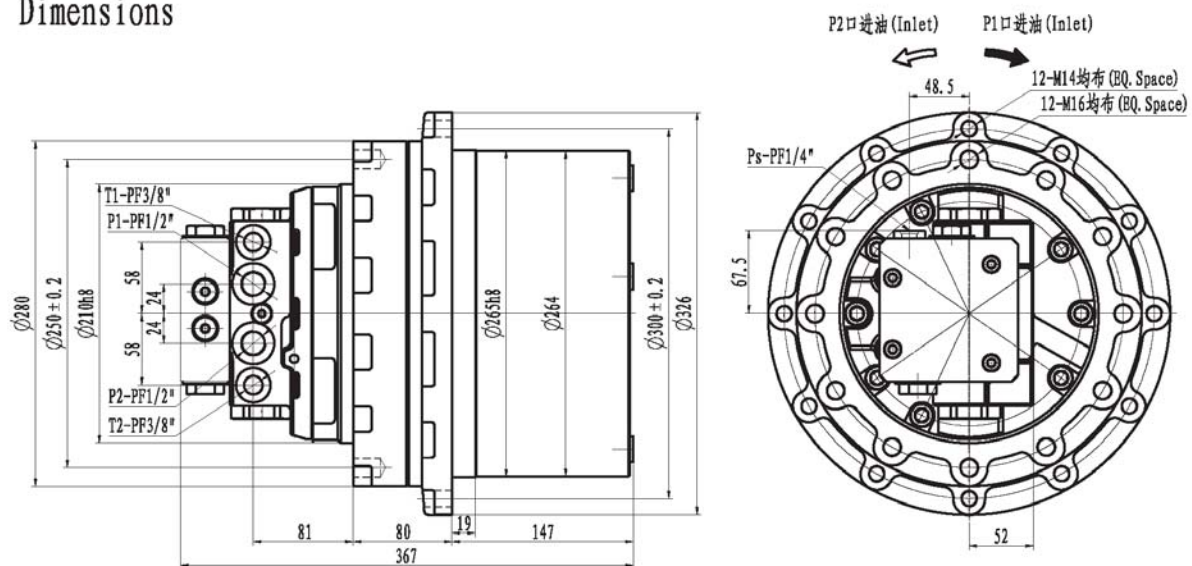
最大输出扭矩 Max. Output Torque N.m	最大总排量 Max. Total Displacement ml/rev	液压马达排量 Motor Displacement ml/rev	传动比 Gear Ratio	最高转速 Max. Speed rpm	最大流量 Max. Flow L/min	最高压力 Max. Pressure MPa	重量 Mass Kg	适用机重 Applicable Vehicle Mass Ton
9000	2787.3	51.9/34 44.4/26.6	53.706	55	80	30	85	7~8

液压原理图



外形尺寸

Dimensions

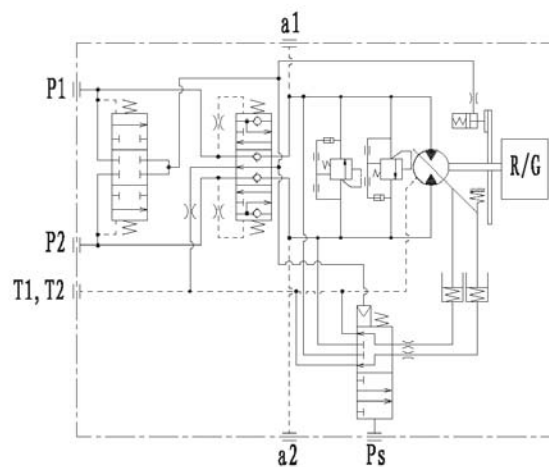


技术参数

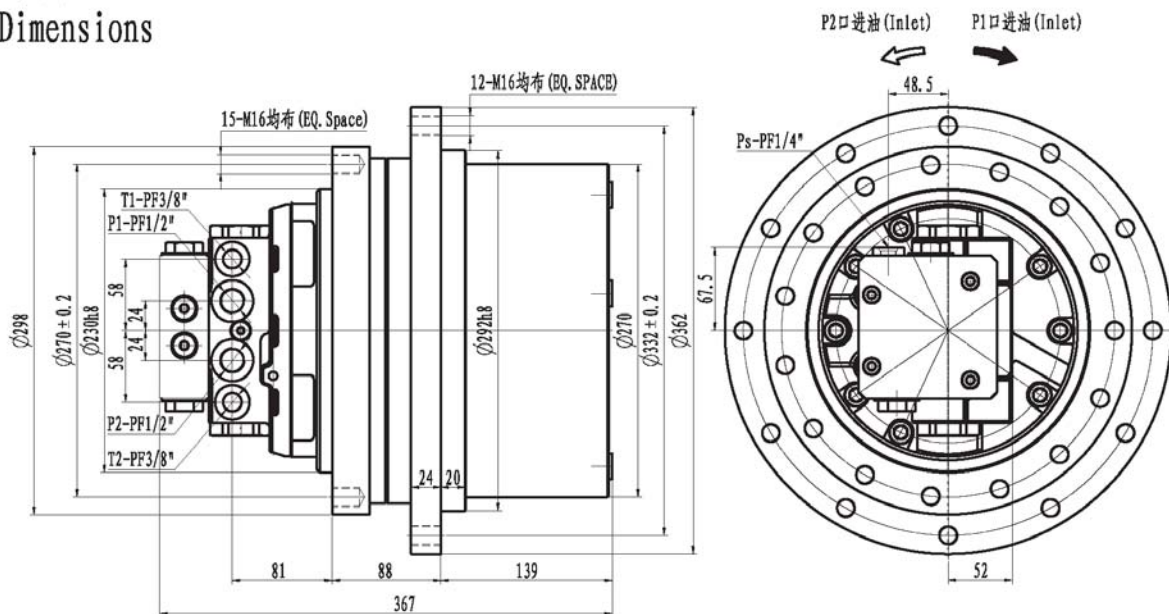
Specifications

最大输出扭矩 Max. Output Torque N.m	最大总排量 Max. Total Displacement ml/rev	液压马达排量 Motor Displacement ml/rev	传动比 Gear Ratio	最高转速 Max. Speed rpm	最大流量 Max. Flow L/min	最高压力 Max. Pressure MPa	重量 Mass Kg	适用机重 Applicable Vehicle Mass Ton
10000	3311.2	51.9/34 44.4/26.6	53 63.8	55	80	30	95	8~9

液压原理图



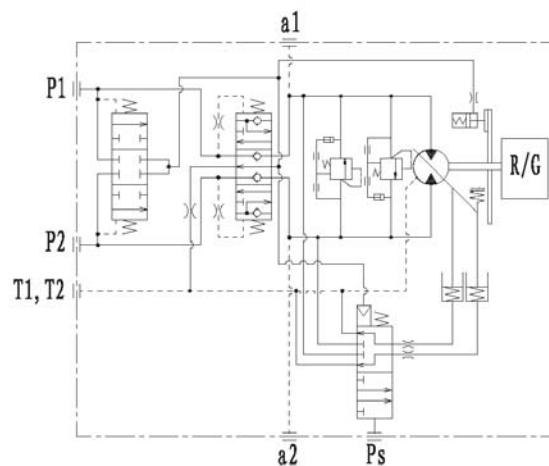
外形尺寸 Dimensions



技术参数 Specifications

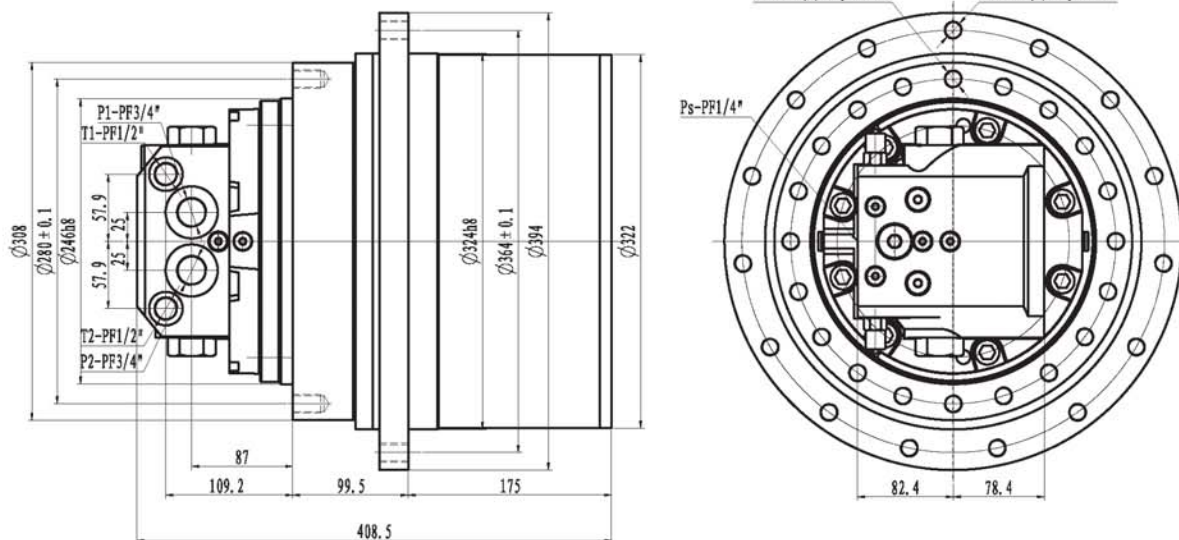
最大输出扭矩 Max. Output Torque	最大总排量 Max. Total Displacement	液压马达排量 Motor Displacement	传动比 Gear Ratio	最高转速 Max. Speed	最大流量 Max. Flow	最高压力 Max. Pressure	重量 Mass	适用机重 Applicable Vehicle Mass
N.m	ml/rev	ml/rev		rpm	L/min	MPa	Kg	Ton
12000	2750.7	51.9/34 44.4/26.6	53	55	80	30	110	9~10

液压原理图



外形尺寸

Dimensions

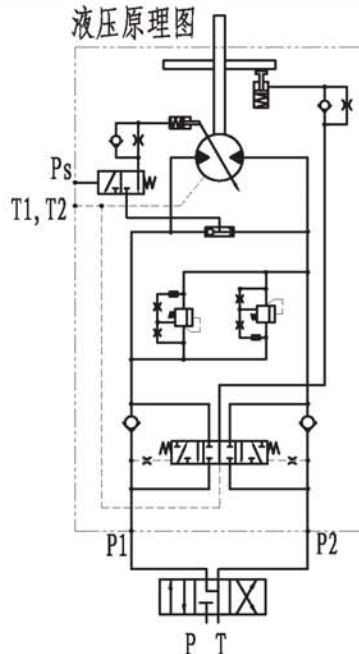


技术参数

Specifications

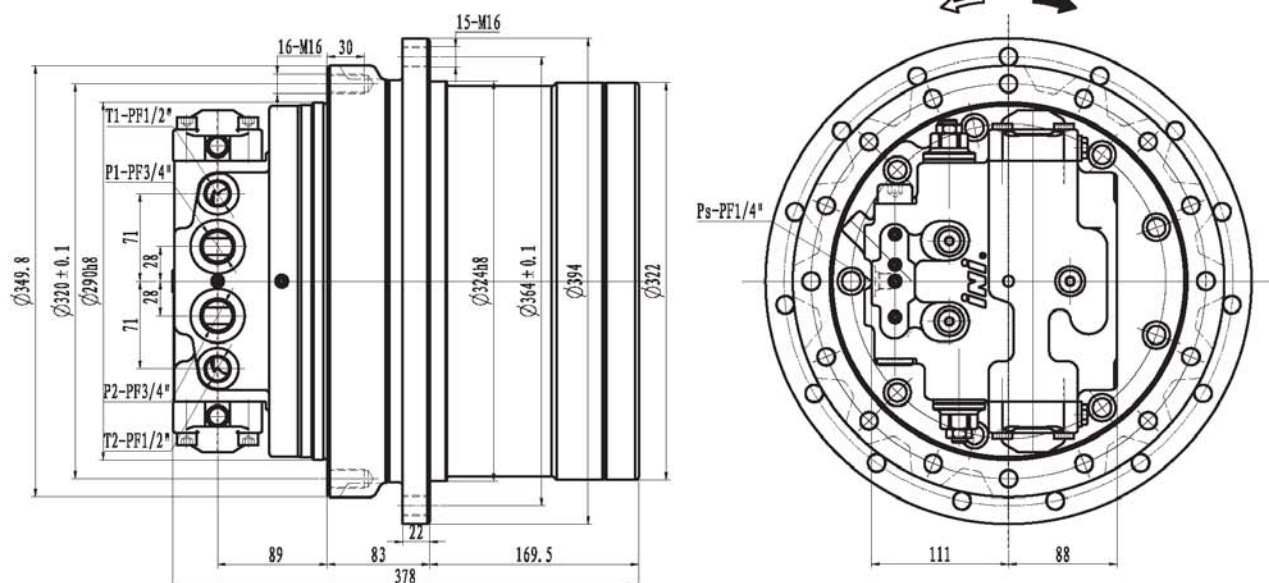
最大输出扭矩 Max. Output Torque N.m	最大总排量 Max. Total Displacement ml/rev	液压马达排量 Motor Displacement ml/rev	传动比 Gear Ratio	最高转速 Max. Speed rpm	最大流量 Max. Flow L/min	最高压力 Max. Pressure MPa	重量 Mass Kg	适用机重 Applicable Vehicle Mass Ton
18000	4862.6	87.3/55.5 80.3/35.3	55.7	55	150	35	140	10~12

液压原理图



外形尺寸

Dimensions

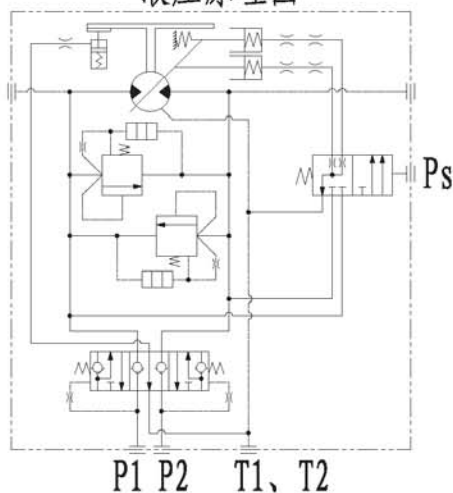


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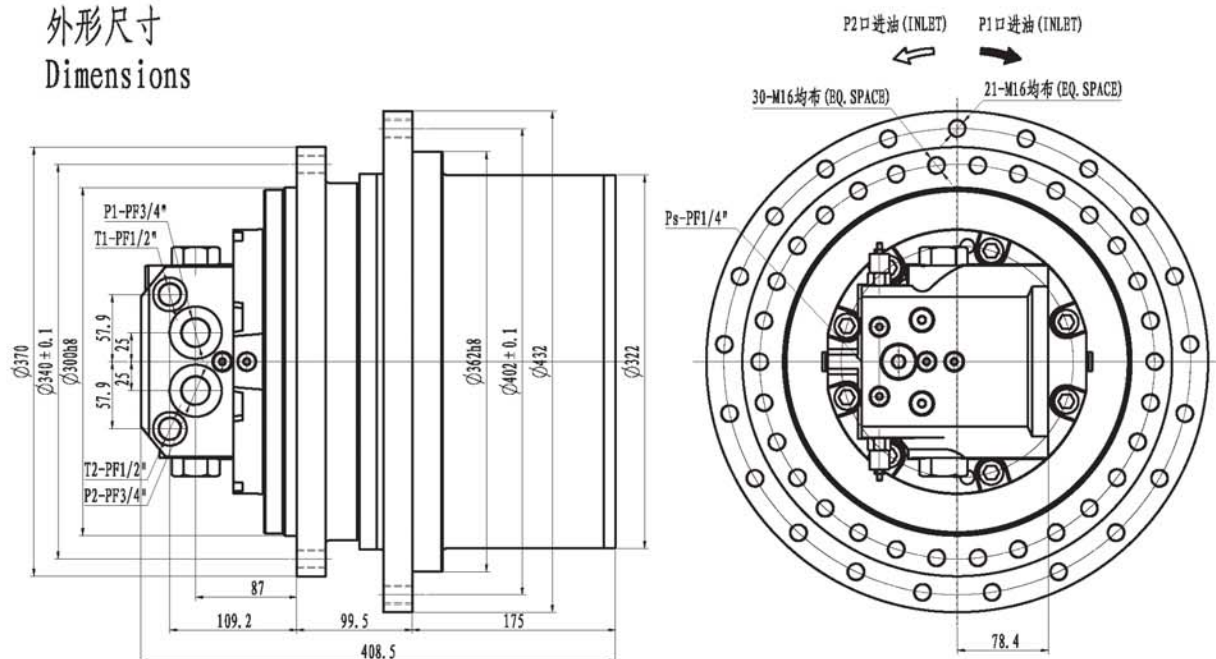
Specifications

最大输出扭矩 Max. Output Torque N.m	最大总排量 Max. Total Displacement ml/rev	液压马达排量 Motor Displacement ml/rev	传动比 Gear Ratio	最高转速 Max. Speed rpm	最大流量 Max. Flow L/min	最高压力 Max. Pressure MPa	重量 Mass Kg	适用机重 Applicable Vehicle Mass Ton
17700	4416	87.3/55.5 80.3/35.3	47 50.579	55	150	35	155	10~12

液压原理图



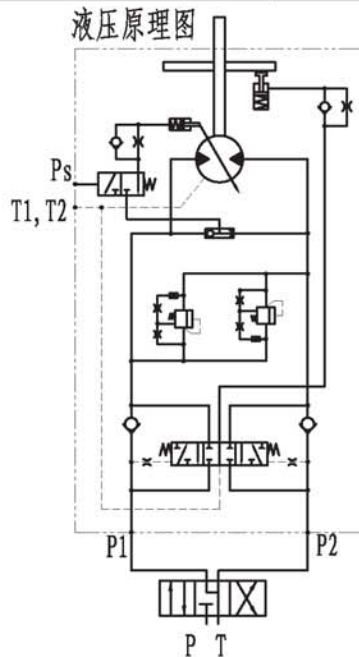
外形尺寸 Dimensions



技术参数 Specifications

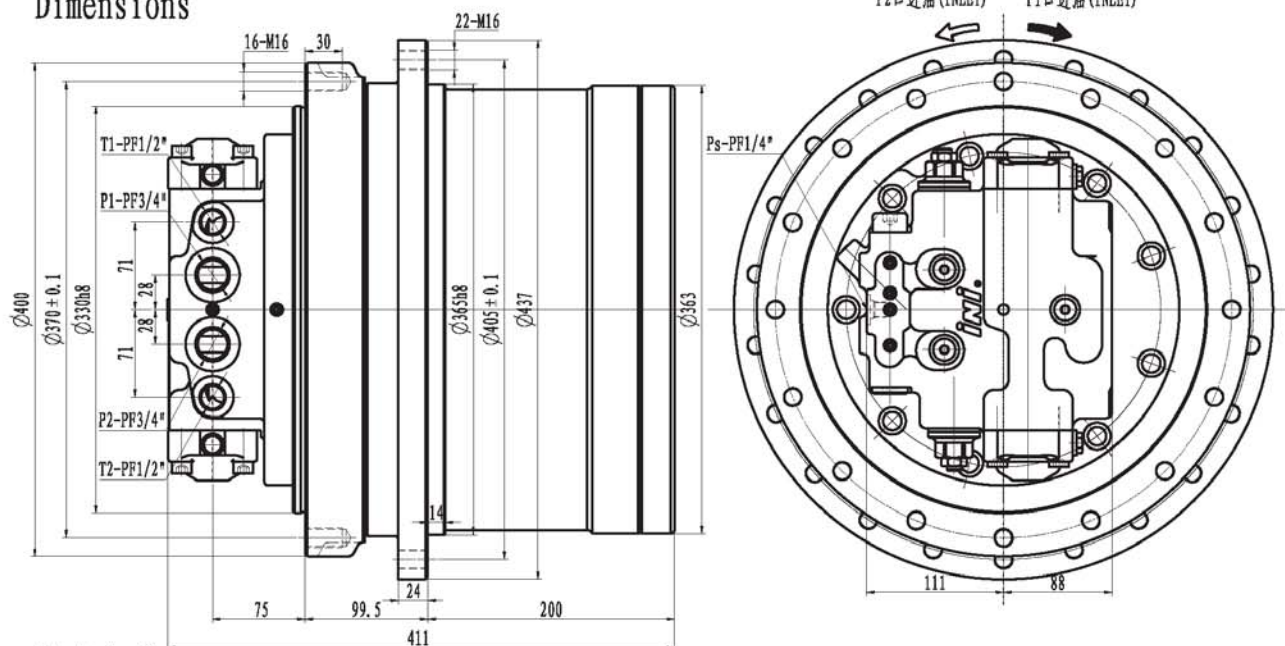
最大输出扭矩 Max. Output Torque N.m	最大总排量 Max. Total Displacement ml/rev	液压马达排量 Motor Displacement ml/rev	传动比 Gear Ratio	最高转速 Max. Speed rpm	最大流量 Max. Flow L/min	最高压力 Max. Pressure MPa	重量 Mass Kg	适用机重 Applicable Vehicle Mass Ton
24000	4862.6	87.3/55.5 80.3/35.3	55.7	50	150	35	180	14~16

液压原理图



外形尺寸

Dimensions

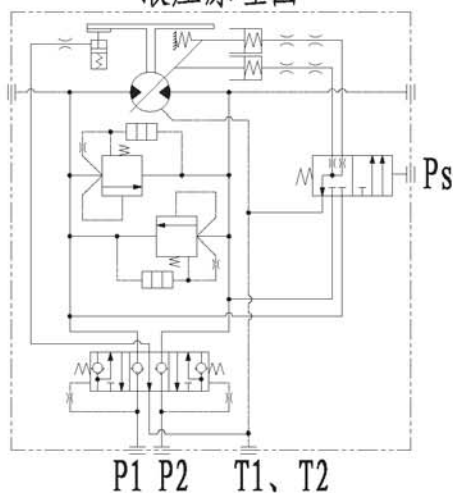


技术参数

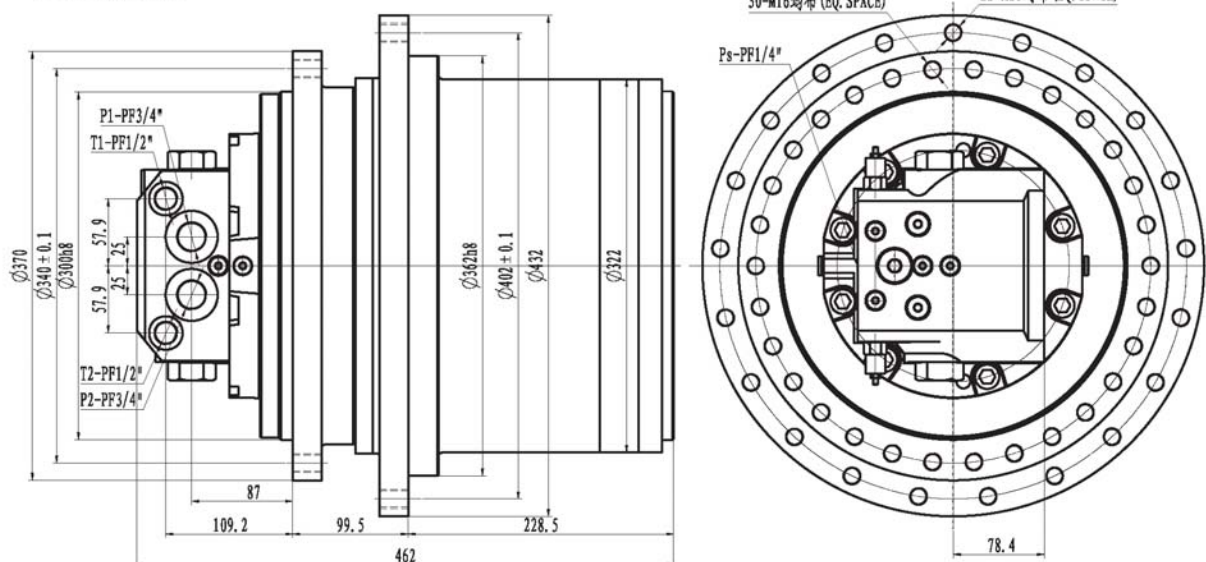
Specifications

最大输出扭矩	最大总排量	液压马达排量	传动比	最高转速	最大流量	最高压力	重量	适用机重
Max. Output Torque	Max. Total Displacement	Motor Displacement	Gear Ratio	Max. Speed	Max. Flow	Max. Pressure	Mass	Applicable Vehicle Mass
N.m	ml/rev	ml/rev		rpm	L/min	MPa	Kg	Ton
23500	5020	87.3/55.5 80.3/35.3	47 57.5	50	150	35	190	14~16

液压原理图



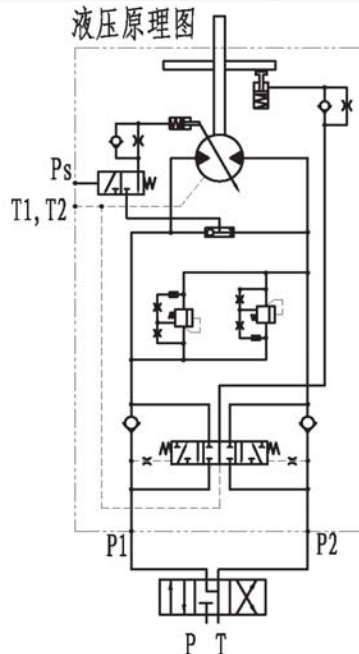
外形尺寸 Dimensions



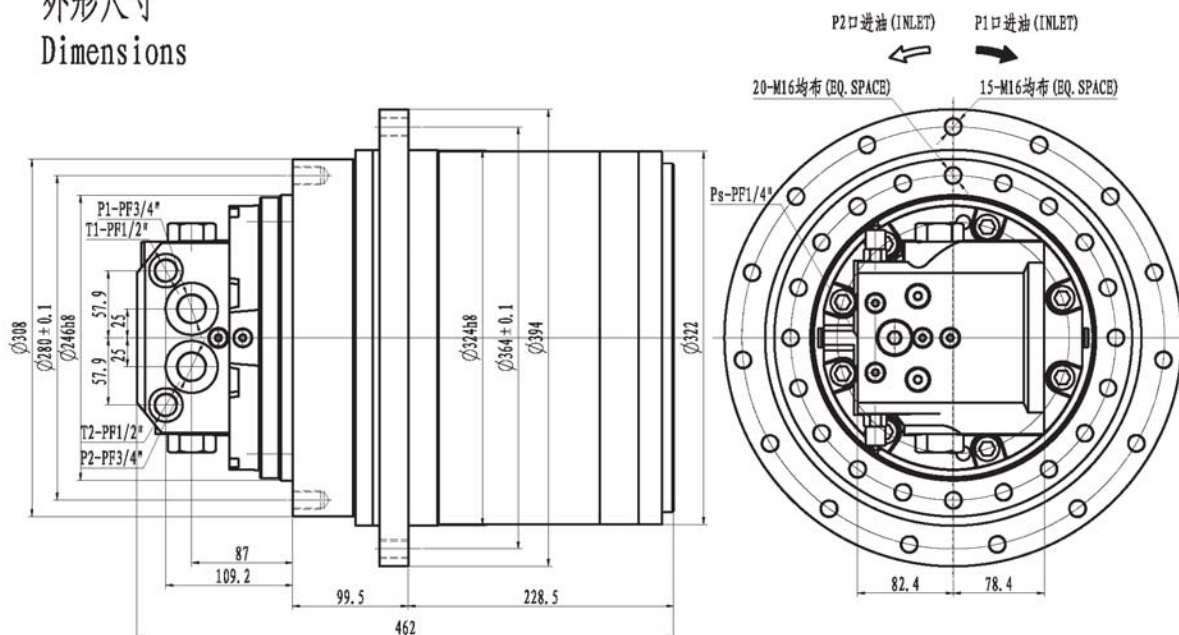
技术参数 Specifications

最大输出扭矩 Max. Output Torque N.m	最大总排量 Max. Total Displacement ml/rev	液压马达排量 Motor Displacement ml/rev	传动比 Gear Ratio	最高转速 Max. Speed rpm	最大流量 Max. Flow L/min	最高压力 Max. Pressure MPa	重量 Mass Kg	适用机重 Applicable Vehicle Mass Ton
28000	7158.6	87.3/55.5 80.3/35.3	82	30	150	28	200	14~18

液压原理图

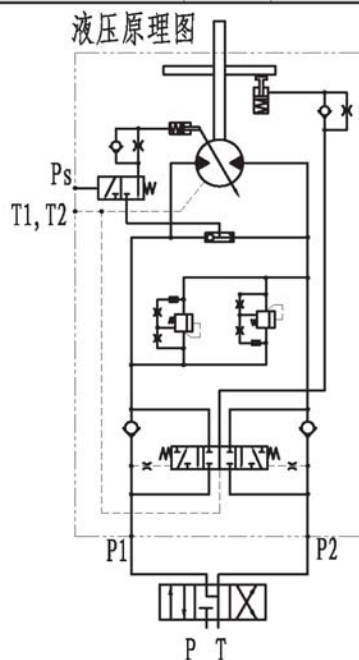


外形尺寸 Dimensions

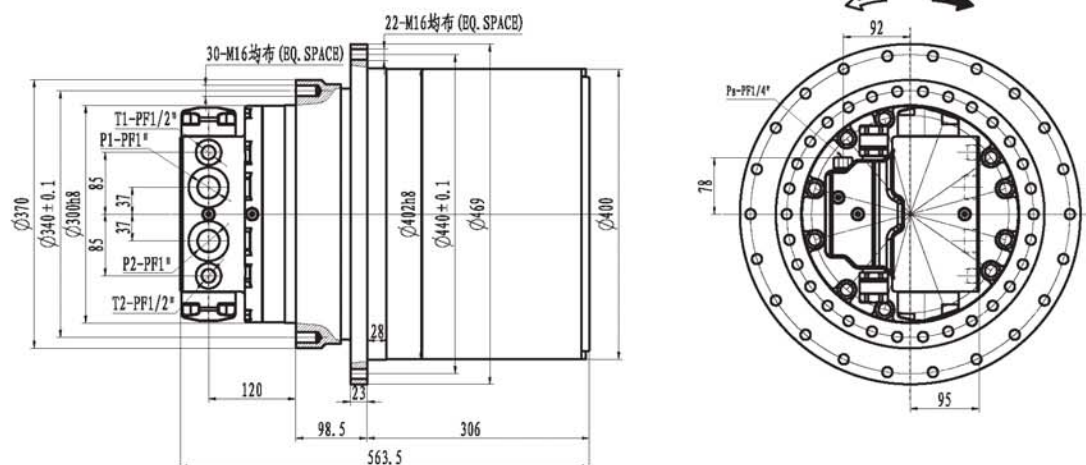


技术参数 Specifications

最大输出扭矩 Max. Output Torque N. m	最大总排量 Max. Total Displacement ml/rev	液压马达排量 Motor Displacement ml/rev	传动比 Gear Ratio	最高转速 Max. Speed rpm	最大流量 Max. Flow L/min	最高压力 Max. Pressure MPa	重量 Mass Kg	适用机重 Applicable Vehicle Mass Ton
28000	7158.6	87.3/55.5 80.3/35.3	82	30	150	28	180	14~18



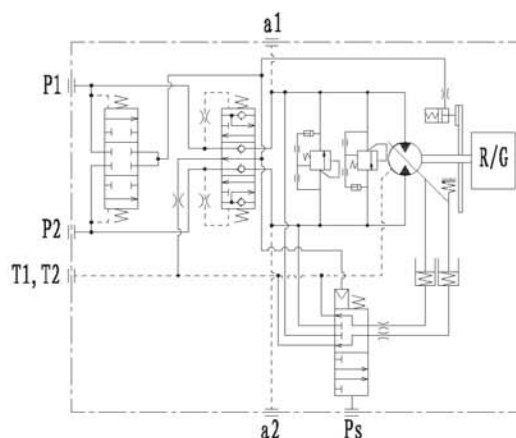
外形尺寸 Dimensions



技术参数 Specifications

最大输出扭矩 Max. Output Torque N.m	总排量 Total Displacement ml/rev	液压马达排量 Motor Displacement ml/rev	传动比 Gear Ratio	转速 Speed rpm	最大流量 Max. Flow L/min	最高压力 Max. Pressure MPa	重量 Mass Kg	适用机重 Applicable Vehicle Mass Ton
40000	7328.7/4319.7	143.7/84.1	51	26/42	250	35	280	20
42000	7721.4/4671.6	151.4/91.6	51	26/42	250	35	280	20-23
44000	8180.4/5110.2	160.4/100.2	51	26/42	250	35	280	20-23
48000	8751.6/5655.9	171.6/110.9	51	26/42	250	35	280	23-25
51000	9389.1/6262.8	184.1/122.8	51	26/42	250	35	280	25-30
54000	9919.5/6767.7	194.5/132.7	51	26/42	250	35	280	30-35

液压原理图



IGT 系列履带驱动用静液压驱动装置（行走马达）

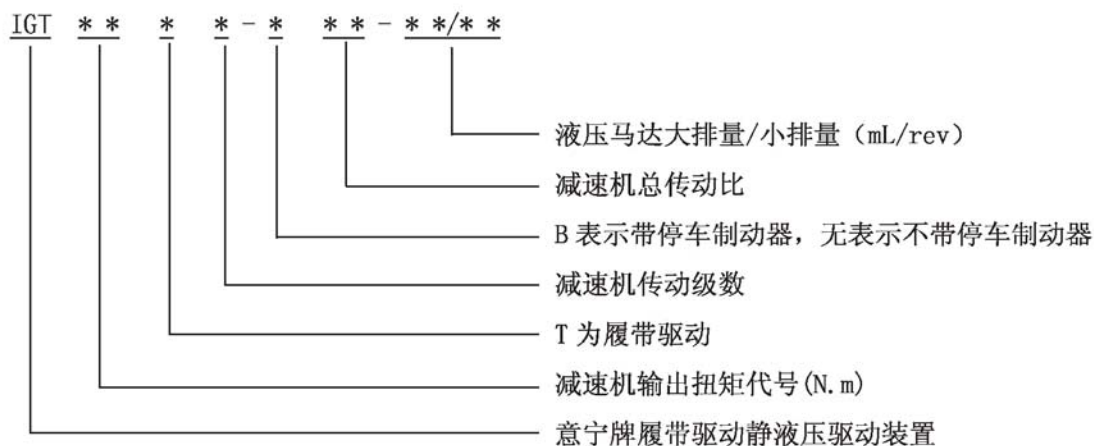
1、概述

IGT 系列行走用静液压驱动装置由集成于减速机内部的可变排量高速轴向柱塞马达、多片式制动器、行星减速机及功能阀块组成。它的特点是工作效率高、可靠性强、结构紧凑、工作压力高、可实现变速驱动，其输出为转动的外壳，可直接驱动履带、车轮，也可用于掘进机、铣刨机动力头驱动和绞车等驱动装置中。

该系列产品设计中采用了本公司专利技术，所列出的液压驱动装置型号表示公司已投产的产品。我们也可根据客户要求提供其它安装尺寸及不同传动比的型号。如有需要，请与本公司联系。

该类产品已广泛用于履带挖掘机行走驱动，履带式起重机行走驱动，路面铣刨机行走驱动，煤炭掘进机行走驱动，压路机、自行式钻机履带驱动和绞车驱动等领域。产品不但已在国内三一重工、徐工集团、宇通等重点用户中使用，并出口到东南亚、中东、印度、韩国、荷兰、德国和俄罗斯等国家及地区。

2、型号说明



3、型号举例

IGT80T3-B99-172/111 表示高速壳转静液压驱动装置输出扭矩为 80000N.m, 用于履带驱动，采用三级行星减速，带停车制动器，总传动比为 99，液压马达低速挡排量为 172mL/rev, 高速挡排量为 111mL/rev。

4. 本系列产品中的液压马达实际排量可以根据用户需求在小于最大排量范围内适当改变。用户选型订货时可提出具体要求，选用时请与本公司设计部门联系。

IGT Hydrostatic Drive Series (Travel Motor)

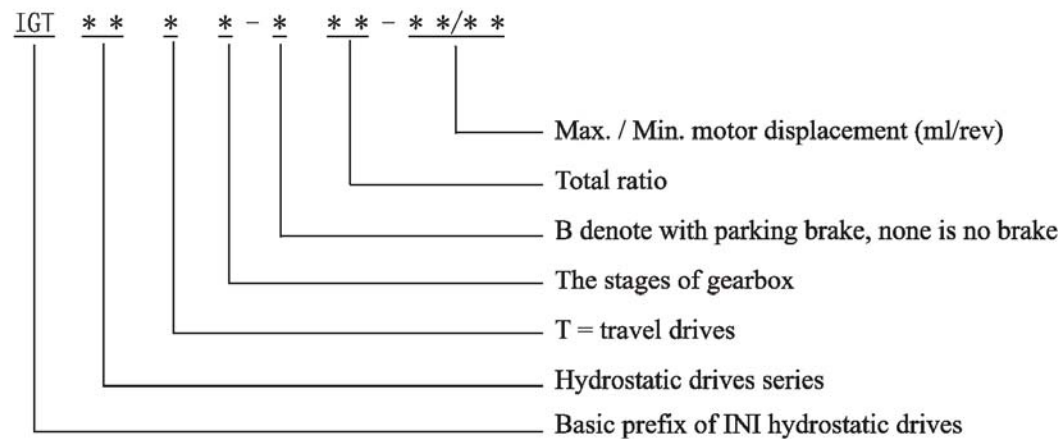
1. Brief Introduction

The IGT hydrostatic drive series consist of built-in variable displacement piston motor, multi-disc brake, planetary gearbox, and functional valve block. The drives feature high working efficiency, long life, great reliability, compact design, high working pressure and Hi-low speed switch control. The case-rotation type travel drives not only can be directly installed inside the crawler or wheel, but also can be used in road header or milling machine for power turning drives and winch drives.

The drives adopt our patented technology and design experience. The drives described in this catalog are of the standard type. Other design variants with different ratio, dimensions, and power characteristics are available if so requested for specific applications.

The drives have been widely applied in crawler excavator, crawler cranes, road milling machine, road header, road roller, track vehicles, aerial platform, self-propel drill rigs and winch drives. The drives not only have been used by domestic customer such as SANY, XCMG, YUTONG, but also have been exported to Southeast Asia, Middle East, India, South Korea, Netherlands, Germany and Russia and so on.

2. Model Options



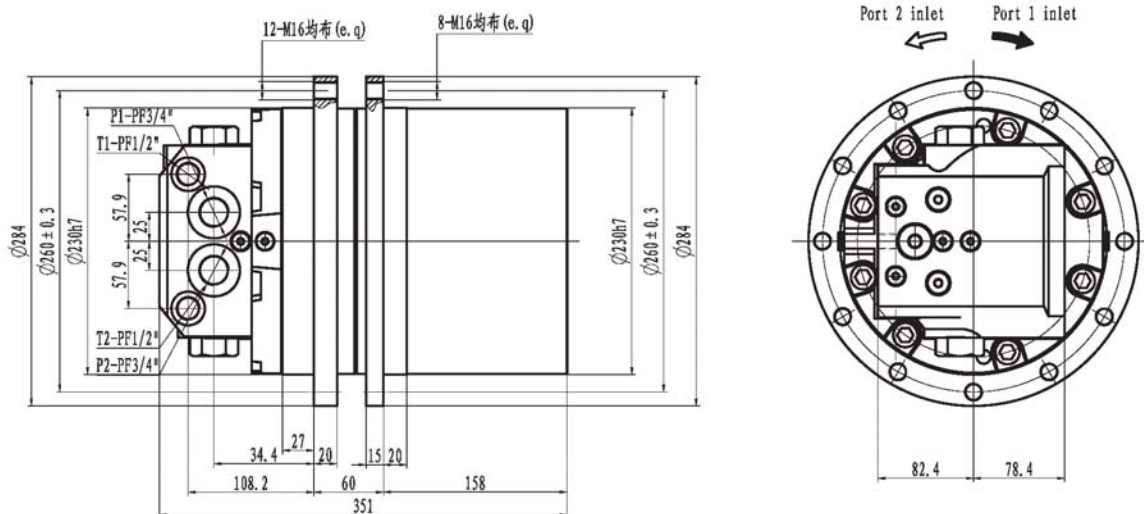
3. Options Example

IGT80T3-B99-172/111 represents that the series drive is 80 with maximum output torque of 80kNm, three stages planetary gearbox with a total ratio of 99, fitted with a multi-disc parking brake, and high speed axial hydraulic motor. The hydraulic motor has a variable displacement (two speed) of 172ml/rev in low speed position and 111ml/rev in high speed position.

4. The displacement of hydraulic motor could be changed according to request of users. Before then, please contact with R.D department

外形尺寸

Dimensions

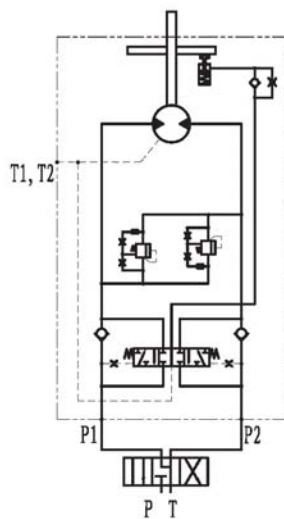


技术参数

Technical Data

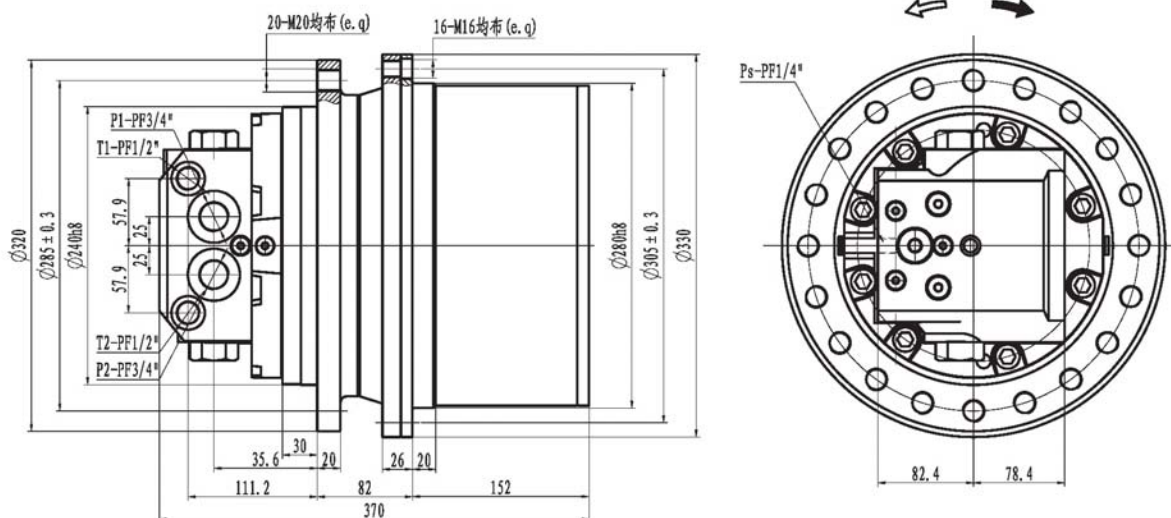
最大输出扭矩 Max. Output Torque	最大总排量 Max. Total Displacement	最大马达排量 Max. Motor Displacement	传动比 Gear Ratio	最高输入转速 Max. Speed	高低速比 Speed Ratio	最大流量 Max. Flow	最高压力 Max. Pressure	重量 Mass	适用机重 Applicable Vehicle Mass
N.m	ml/rev	ml/rev		rpm	High/Low	L/min	MPa	Kg	Ton
9000	3937.2	87.3	20.4 · 25.6 29.6 · 35.6 45.1	2800	—	150	35	100	6 ~ 9

液压原理图



外形尺寸

Dimensions

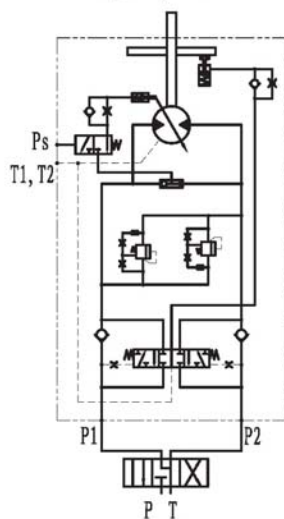


技术参数

Technical Data

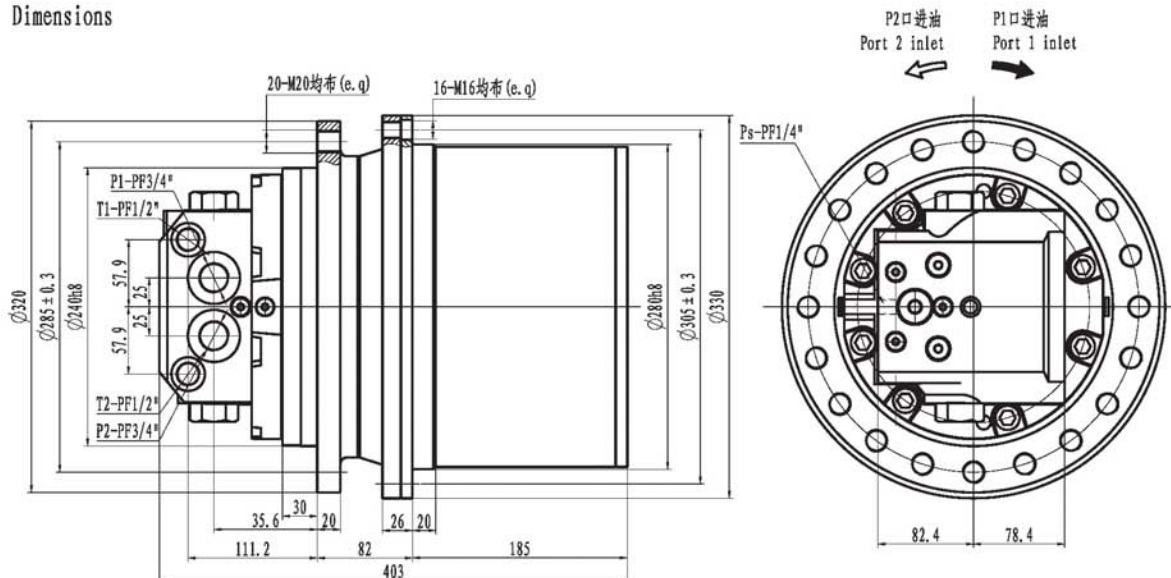
最大输出扭矩	最大总排量	最大马达排量	传动比	最高输入转速	高低速比	最大流量	最高压力	重量	适用机重
Max. Output Torque	Max. Total Displacement	Max. Motor Displacement	Gear Ratio	Max. Speed	Speed Ratio	Max. Flow	Max. Pressure	Mass	Applicable Vehicle Mass
N.m	ml/rev	ml/rev		rpm	High/Low	L/min	MPa	Kg	Ton
17000	4714.2	87.3	26.4 · 32.1 37.6 · 45.4 54	2800	Max. 1.8	150	35	150	8~12

液压原理图



外形尺寸

Dimensions

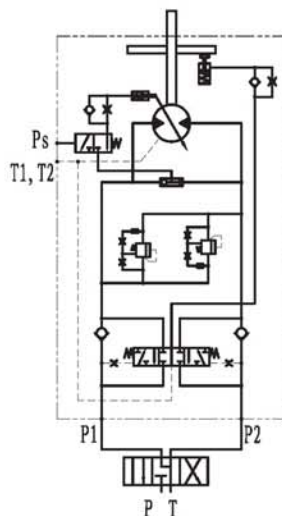


技术参数

Technical Data

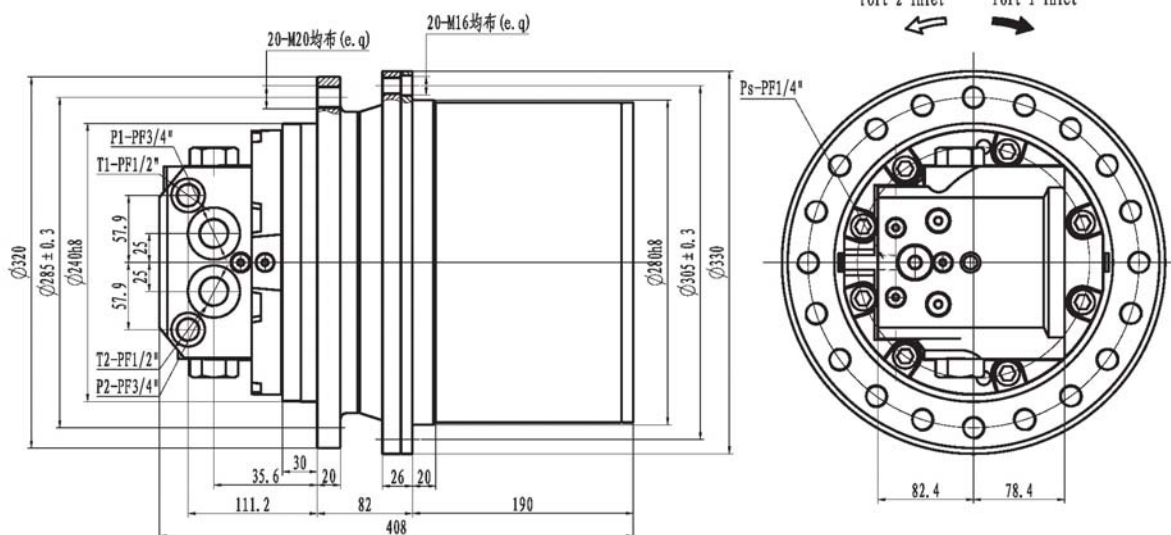
最大输出扭矩	最大总排量	最大马达排量	传动比	最高输入转速	高低速比	最大流量	最高压力	重量	适用机重
Max. Output Torque	Max. Total Displacement	Max. Motor Displacement	Gear Ratio	Max. Speed	Speed Ratio	Max. Flow	Max. Pressure	Mass	Applicable Vehicle Mass
N.m	ml/rev	ml/rev		rpm	High/Low	L/min	MPa	Kg	Ton
17000	8957	87.3	77.9 · 88.2 102.6	2800	Max. 1.8	150	35	165	8~12

液压原理图



外形尺寸

Dimensions

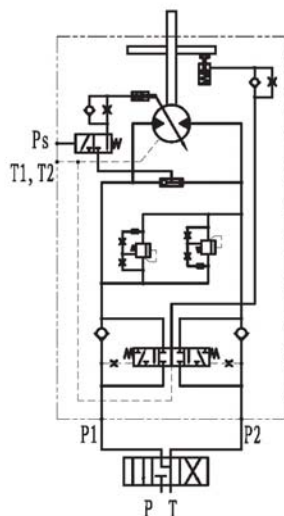


技术参数

Technical Data

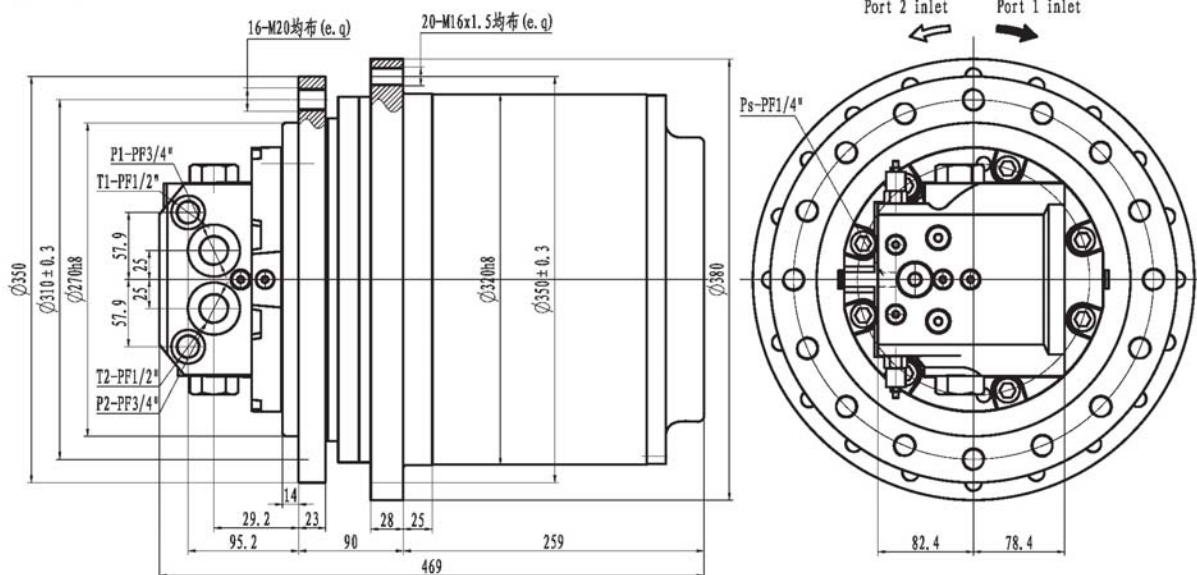
最大输出扭矩	最大总排量	最大马达排量	传动比	最高输入转速	高/低速比	最大流量	最高压力	重量	适用机重
Max. Output Torque	Max. Total Displacement	Max. Motor Displacement	Gear Ratio	Max. Speed	Speed Ratio	Max. Flow	Max. Pressure	Mass	Applicable Vehicle Mass
N·m	ml/rev	ml/rev		rpm	High/Low	L/min	MPa	Kg	Ton
24000	11977.6	87.3	90.1 · 102.6 120.5 · 137.2	2800	Max. 1.8	150	35	170	12 ~ 15

液压原理图



外形尺寸

Dimensions

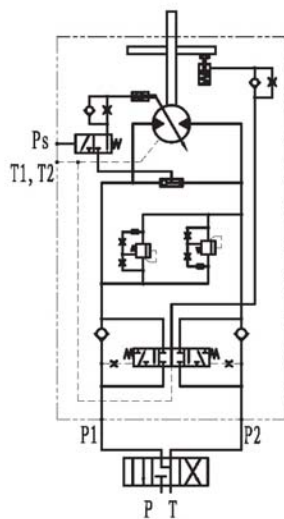


技术参数

Technical Data

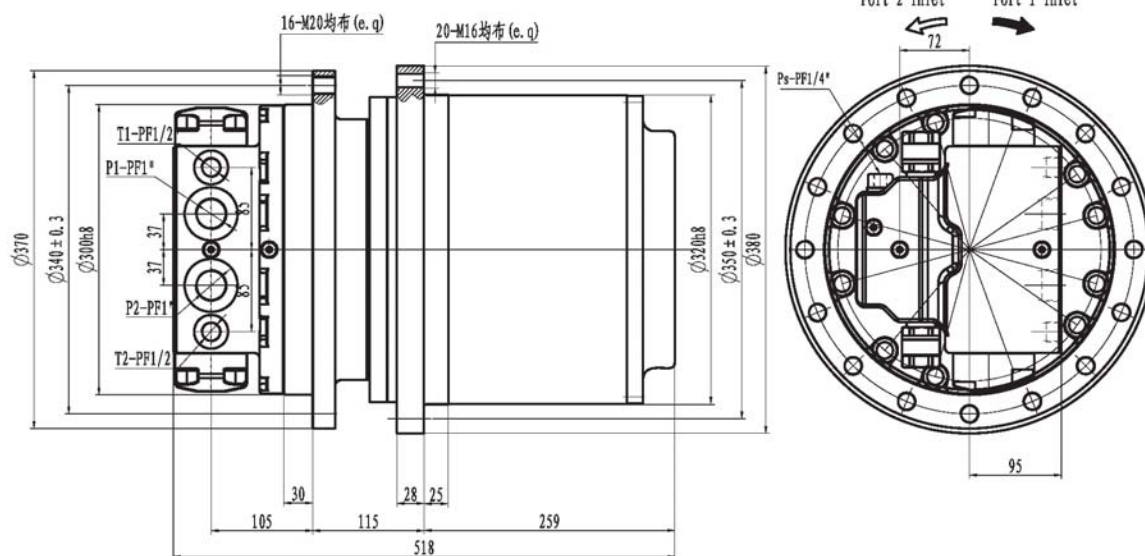
最大输出扭矩	总排量	最大马达排量	传动比	最高输入转速	高/低速比	最大流量	最高压力	重量	适用机重
Max. Output Torque	Total Displacement	Max. Motor Displacement	Gear Ratio	Max. Speed	Speed Ratio	Max. Flow	Max. Pressure	Mass	Applicable Vehicle Mass
N. m	ml/rev	ml/rev		rpm	High/Low	L/min	MPa	Kg	Ton
36000	11384/ 5607	87.3	67 · 79.4 100 · 116.6 130.4	2800	Max. 1.8	150	35	235	15 ~ 25

液压原理图



外形尺寸

Dimensions

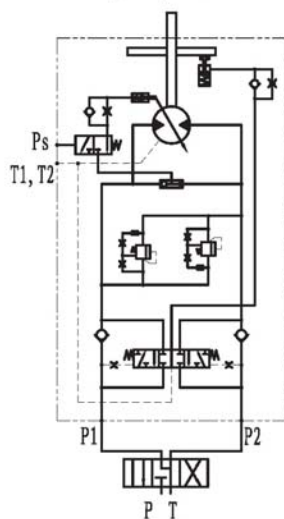


技术参数

Technical Data

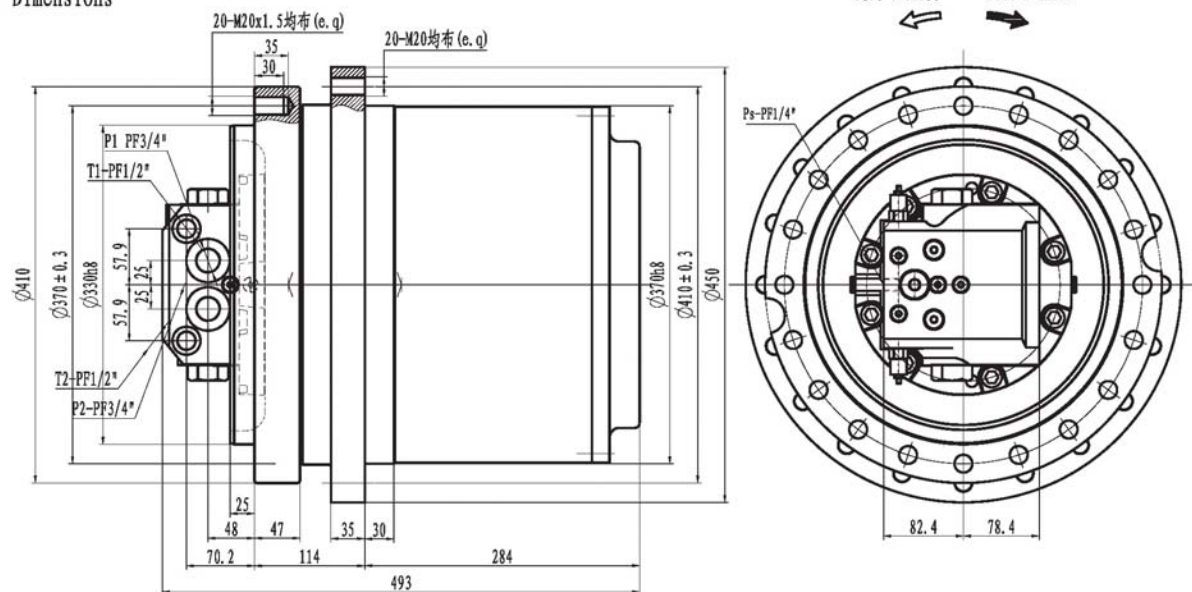
最大输出扭矩 Max. Output Torque N.m	最大总排量 Max. Total Displacement ml/rev	马达排量 Motor Displacement ml/rev	传动比 Gear Ratio	最高输入转速 Max. Speed rpm	高低速比 Speed Ratio High/Low	最大流量 Max. Flow L/min	最高压力 Max. Pressure MPa	重量 Mass Kg	适用机重 Applicable Vehicle Mass Ton
36000	14832.3	171.6	67 · 79.4 100 · 116.6 130.4	2800	Max. 1.8	150	35	255	20 ~ 35

液压原理图



外形尺寸

Dimensions

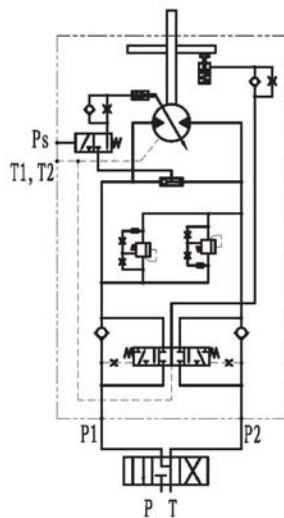


技术参数

Technical Data

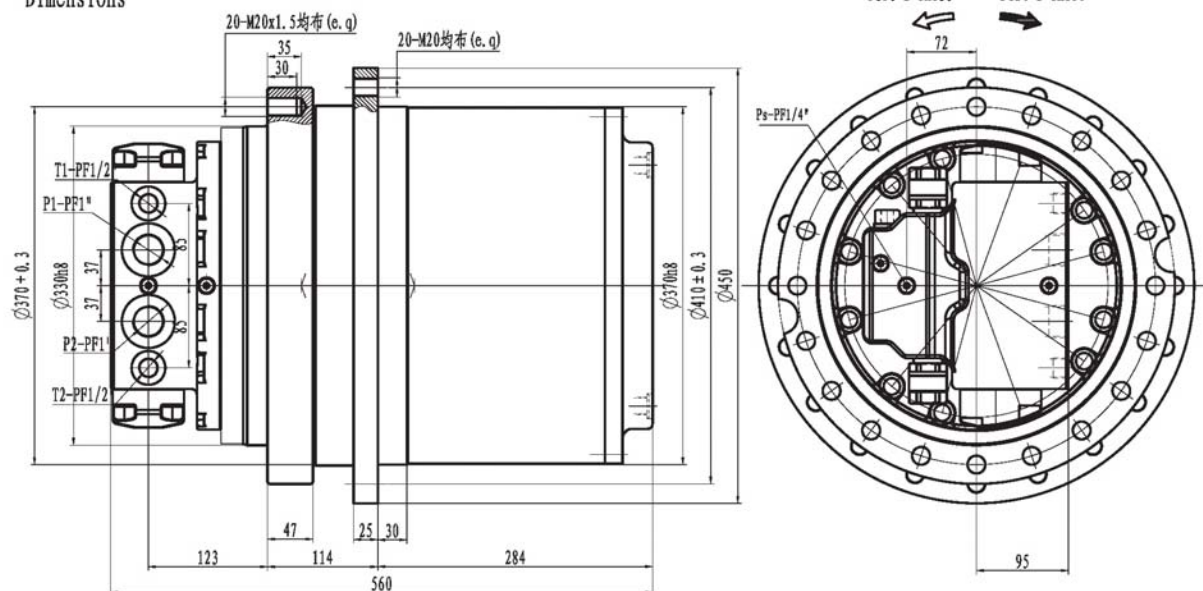
最大输出扭矩 Max. Output Torque N.m	总排量 Total Displacement ml/rev	马达排量 Motor Displacement ml/rev	传动比 Gear Ratio	最高输入转速 Max. Speed rpm	高低速比 Speed Ratio High/Low	最大流量 Max. Flow L/min	最高压力 Max. Pressure MPa	重量 Mass Kg	适用机重 Applicable Vehicle Mass Ton
60000	14832.3 / 5607	87.3/55.5	86.5 · 94.8 105.5 · 119.8 139.9 · 169.9	2800	Max. 1.8	150	35	300	25 ~ 40

液压原理图



外形尺寸

Dimensions

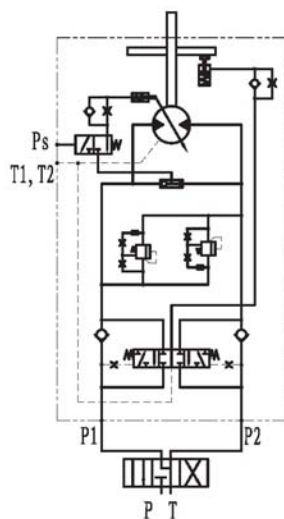


技术参数

Technical Data

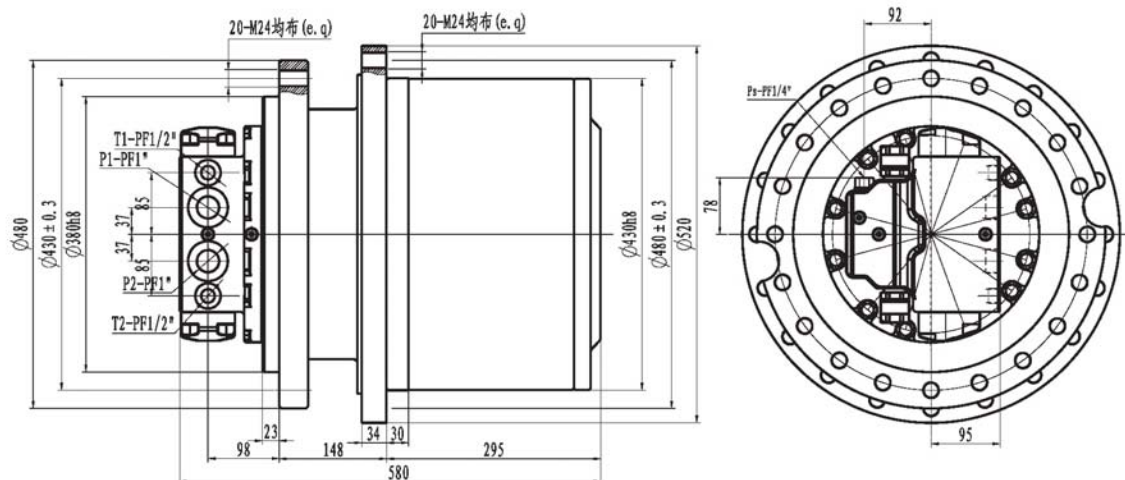
最大输出扭矩 Max. Output Torque	最大总排量 Max. Total Displacement	马达排量 Motor Displacement	传动比 Gear Ratio	最高输入转速 Max. Speed	高低速比 Speed Ratio	最大流量 Max. Flow	最高压力 Max. Pressure	重量 Mass	适用机重 Applicable Vehicle Mass
N.m	ml/rev	ml/rev		rpm	High/Low	L/min	MPa	Kg	Ton
60000	29154.84	171.6/111	86.5 · 94.8 105.5 · 119.8 139.9 · 169.9	2800	Max. 1.8	150	35	300	25 ~ 40

液压原理图



外形尺寸

Dimensions

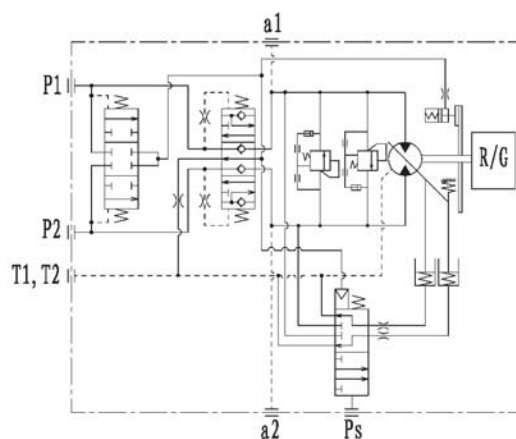


技术参数

Technical Data

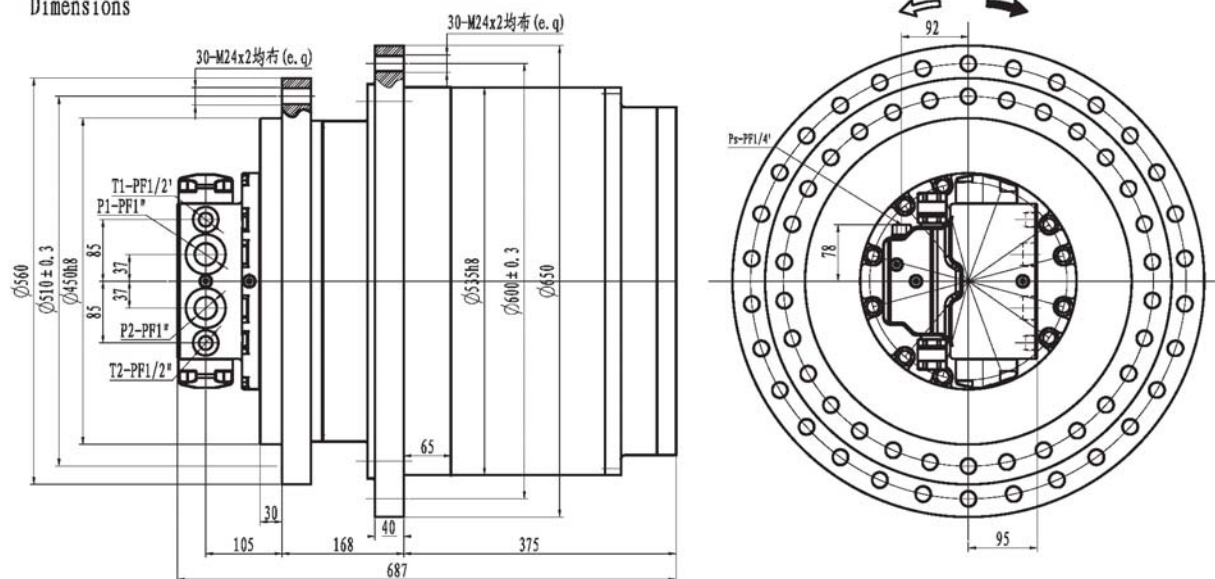
最大输出扭矩	最大总排量	马达排量	传动比	最高输入转速	高低速比	最大流量	最高压力	重量	适用机重
Max. Output Torque	Max. Total Displacement	Motor Displacement	Gear Ratio	Max. Speed	Speed Ratio	Max. Flow	Max. Pressure	Mass	Applicable Vehicle Mass
N.m	ml/rev	ml/rev		rpm	High/Low	L/min	MPa	Kg	Ton
80000	31814.6	171.6	76.7 · 99	2500	Max. 2	250	35	435	35 ~ 50
		171.6/111	110.9 · 126.9 149.9 · 185.4						

液压原理图



外形尺寸

Dimensions

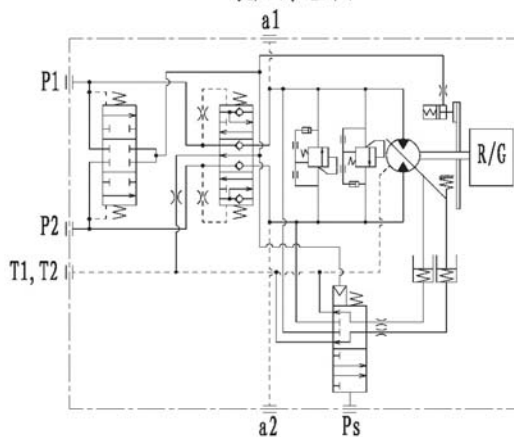


技术参数

Technical Data

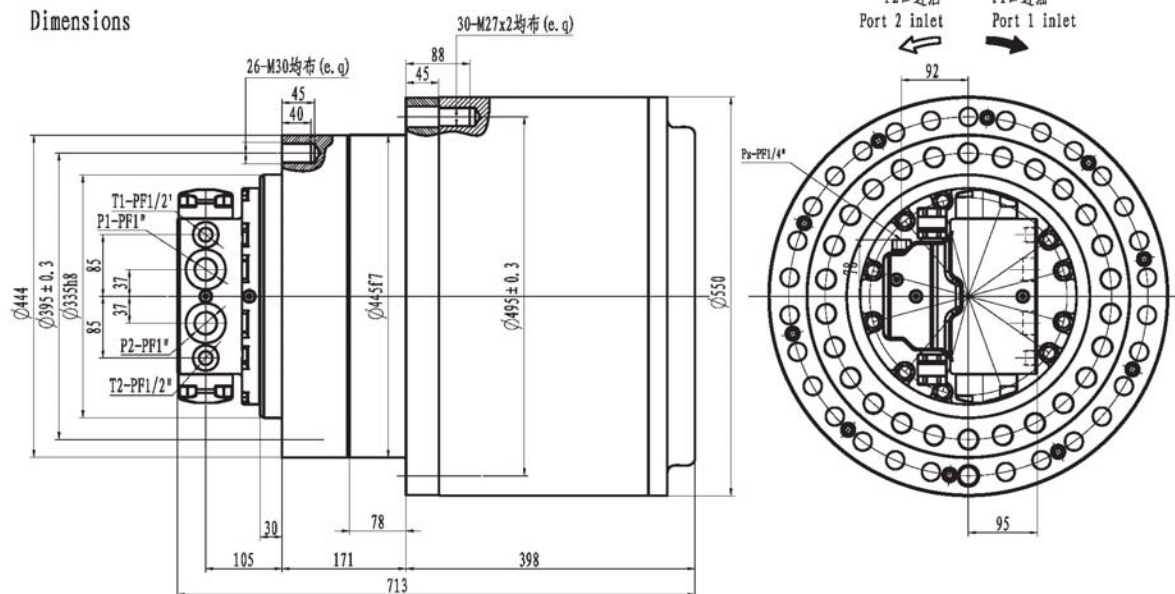
最大输出扭矩	最大总排量	马达排量	传动比	最高输入转速	高低速比	最大流量	最高压力	重量	适用机重
Max. Output Torque	Max. Total Displacement	Motor Displacement	Gear Ratio	Max. Speed	Speed Ratio	Max. Flow	Max. Pressure	Mass	Applicable Vehicle Mass
N.m	ml/rev	ml/rev		rpm	High/Low	L/min	MPa	Kg	Ton
160000	43071.6	171.6 171.6/111	161.8 · 210.8 251	2500	Max. 2	250	35	750	60~110

液压原理图



外形尺寸

Dimensions

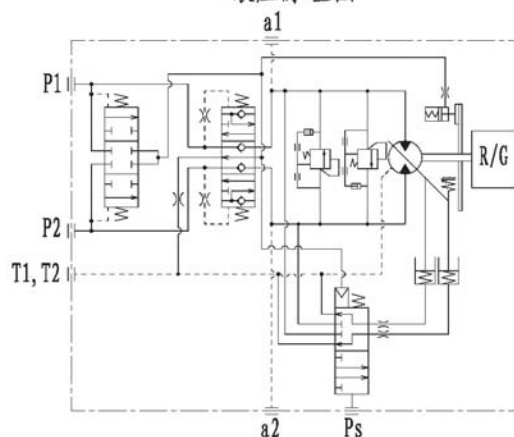


技术参数

Technical Data

最大输出扭矩	最大总排量	马达排量	传动比	最高输入转速	高低速比	最大流量	最高压力	重量	适用机重
Max. Output Torque	Max. Total Displacement	Motor Displacement	Gear Ratio	Max. Speed	Speed Ratio	Max. Flow	Max. Pressure	Mass	Applicable Vehicle Mass
N.m	ml/rev	ml/rev		rpm	High/Low	L/min	MPa	Kg	Ton
180000	43071.6	171.6	161.8 · 210.8	2500	Max. 2	250	35	750	60 ~ 110
		171.6/111	251						

液压原理图



IGY××L 系列静液压驱动装置（车轮马达）

1、概述

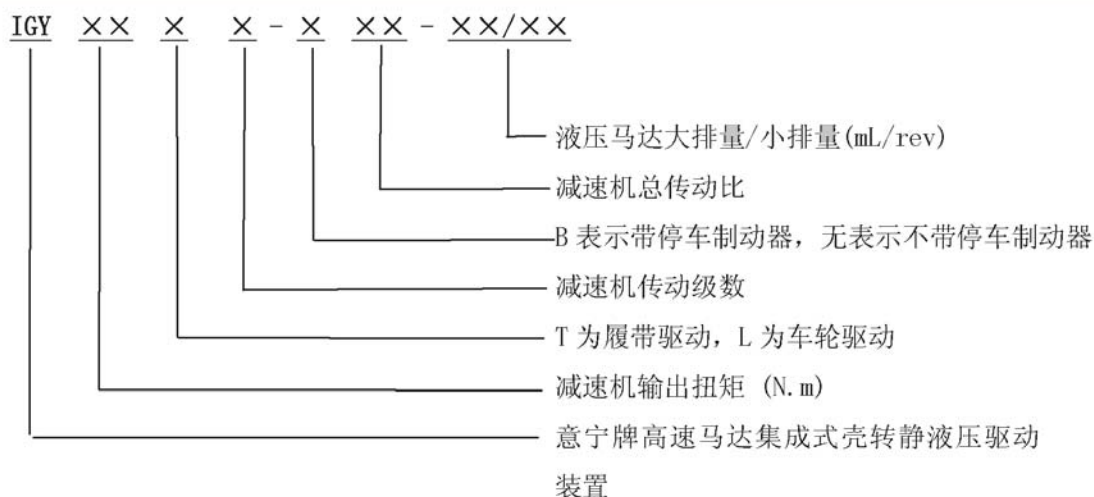
IGY××L 系列车轮用静液压驱动装置设计中采用了本公司的专利技术,它由集成于减速机内部的可变排量高速轴向柱塞马达、多片式制动器、行星减速机及功能阀块组成。它的特点是工作效率高、可靠性强、结构紧凑、工作压力高、可实现高、低两挡速度的切换,其输出为转动的外壳,转动的外壳配置了可承受大的轴向、径向负载的轴承和高强度螺栓,因而可直接与车轮连接,驱动车轮转动。

该系列产品的外形安装尺寸和主要技术参数与美国菲尔费德 (FAIRFIELD) 公司产品相类同,因此可以替代进口产品,该产品可以用于闭式系统亦可用于开式系统。

样本中所列出的车轮马达表示公司已投产的产品。我们也可根据客户要求提供其它安装尺寸及不同传动比的型号,也可以单独提供安装其它公司高速马达的行星减速机。如有需要,请与本公司研发中心联系。

该类产品已广泛用于高空作业车、压路机、轮式挖掘机、轨道车辆等轮式机械领域,产品不但已在国内知名高空作业车及压路机生产厂家中使用,且产品已出口到俄罗斯、西班牙等欧洲国家。

2、型号说明



3、型号举例

IGY3400L2-B47-21/10 表示高速壳转静液压驱动装置输出扭矩为 3400N.m, 用于车轮驱动, 采用二级行星减速, 带停车制动器, 总传动比为 47, 液压马达低速挡排量为 21mL/rev, 高速挡排量为 10mL/rev。

IGY××L Hydrostatic Drive Series (Wheel Motor)

1. Brief Introduction

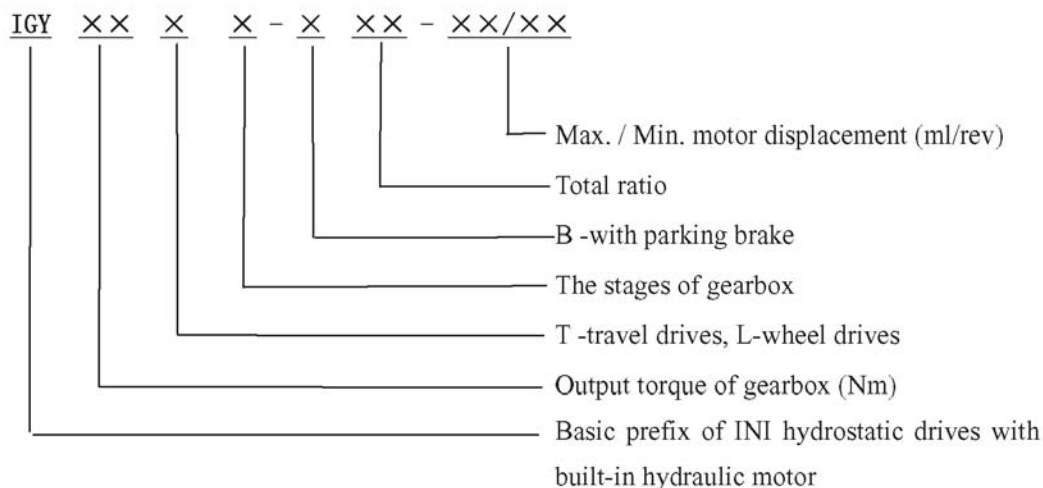
The IGY××L hydrostatic drive series adopt our patented technology and advanced manufacture method. The series consist of built-in variable displacement piston motor, multi-disc brake, planetary gearbox, and functional valve block. The drives feature high working efficiency, great reliability, compact design, high working pressure and Hi-low speed switch control. Due to high load capacity bearing and bolts, the drives can be directly installed in the wheel of mobile vehicles.

The Dimensions and technical performance of the drives conform to the Fairfield type. The drives can also be used for replacement in closed loop system or open loop system.

The drives described in this catalog are of the standard type. Other design variants with different ratio, dimensions, power characteristics and different hydraulic motor are available if so requested for specific applications.

The drives have been widely applied in aerial platform, road roller, wheeled excavator, track vehicles, and other wheeled mobile equipment. The drives not only have been used by domestic famous aerial platform and road roller company, but also have been exported to Russia, Spain and so on.

2. Model Options

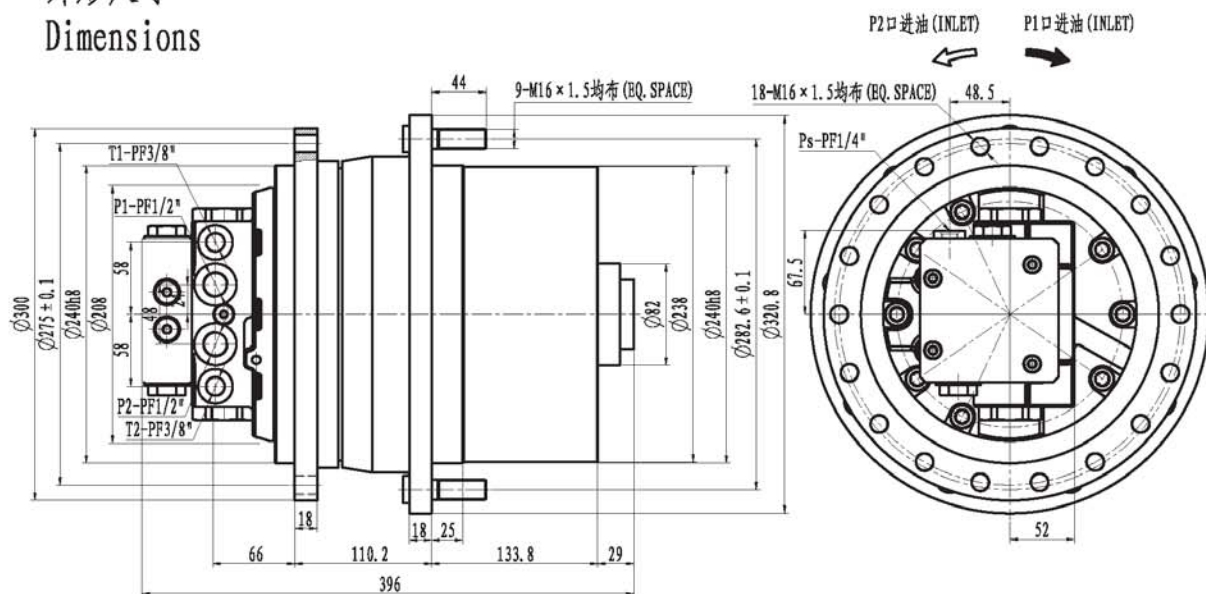


3. Options Example

IGY3400L2-B47-21/10 represents that the drive has output torque of 3400Nm, two stages planetary gearbox for wheel drives with a total ratio of 47, fitted with a multi-disc parking brake, and high speed axial hydraulic motor. The hydraulic motor has a variable displacement (two speed) of 21ml/rev in low speed position and 10ml/rev in high speed position.

外形尺寸

Dimensions



技术参数

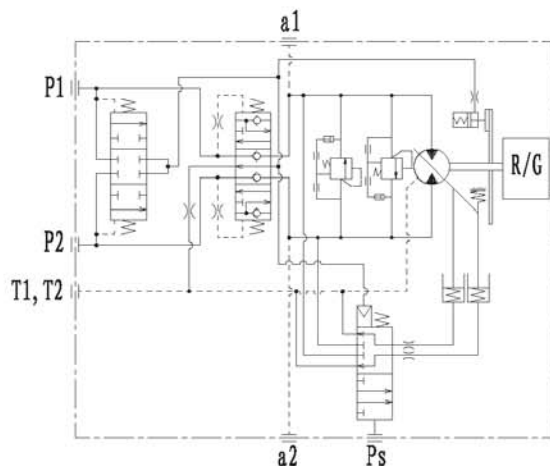
Specifications

最大输出扭矩	最大总排量	液压马达排量		传动比	最高转速	最大流量	最高压力	重量	适用机重
Max. Output Torque	Max. Total Displacement	Motor Displacement		Gear Ratio	Max. Speed	Max. Flow	Max. Pressure	Mass	Applicable Vehicle Mass
N. m	ml/rev	ml/rev			rpm	L/min	MPa	Kg	Ton
10000	2673.8	51.9/34 44.4/26.6	51.9/28.4 44.4/22.2	42.123 51.518	55	80	35	120	8~10

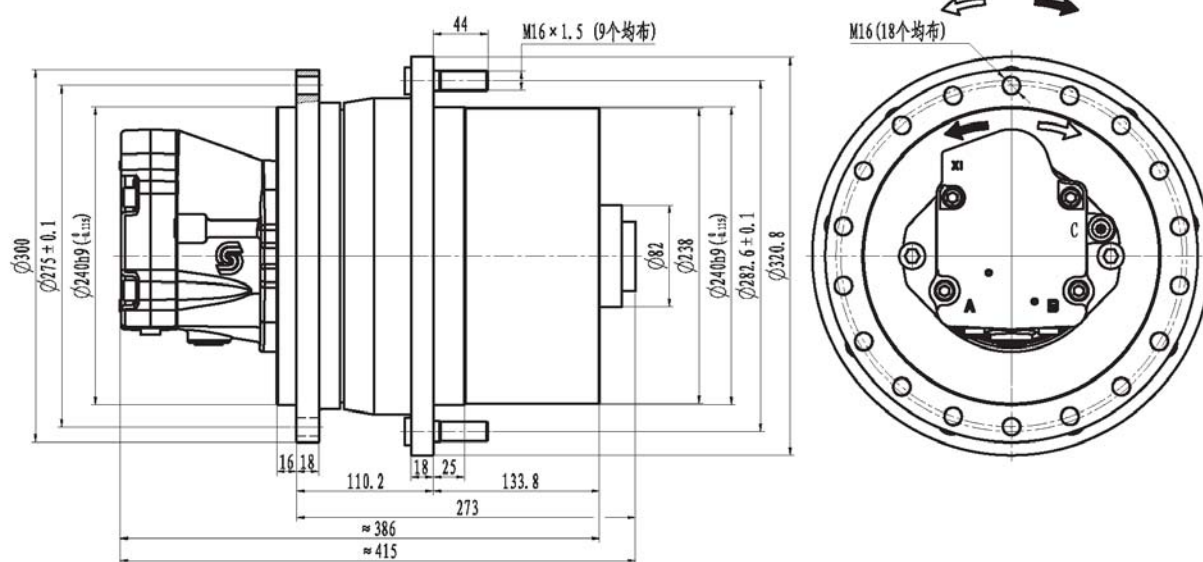
注：本产品适用于开式系统，如需闭式系统产品请联系应用工程师。

Note: The product suitable for open loop system, if you need closed loop system product, please contact iNi appl. engineer.

液压原理图



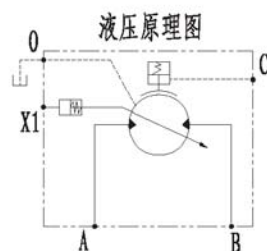
外形尺寸



技术参数

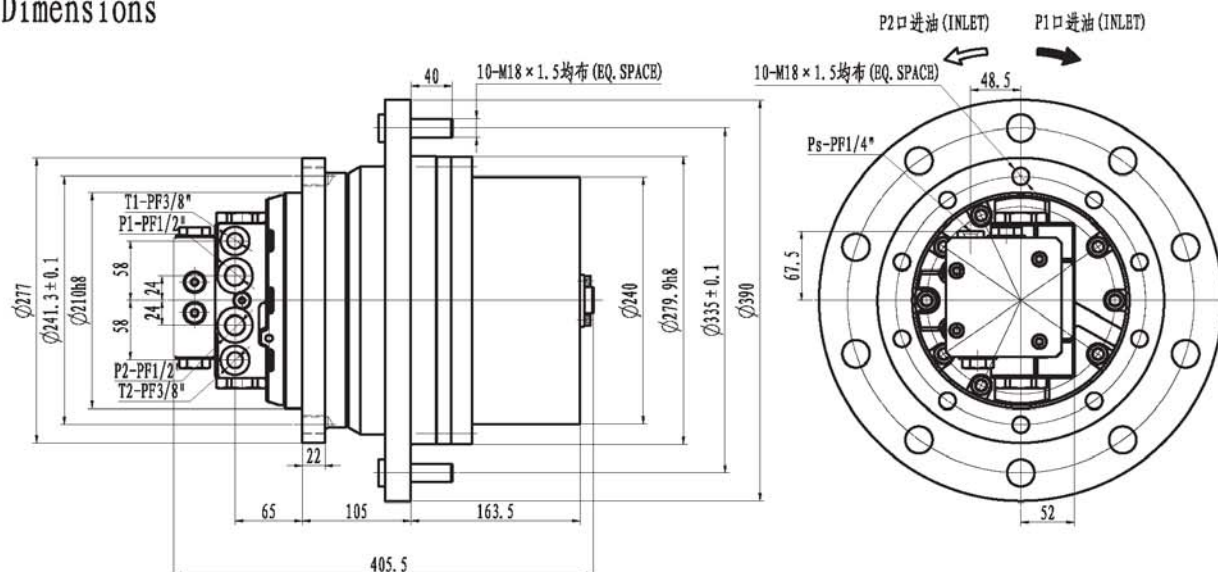
输出扭矩 (N·m)		传动比	制动器			液压马达		
连续	最大		静制动扭矩 (N·m)	初始释放压力 (MPa)	完全释放压力 (MPa)	型号	最高压力 (MPa)	最高转速 (r/min)
5500	11000	46.435	230	1.2	1.8	萨澳-丹佛斯 KC/LC系列插装马达	35	3500
		42.123	260					

1、本产品适用于闭式系统；
2、本产品配置有离合解锁机构，可以方便实现故障下拖行；



外形尺寸

Dimensions



技术参数

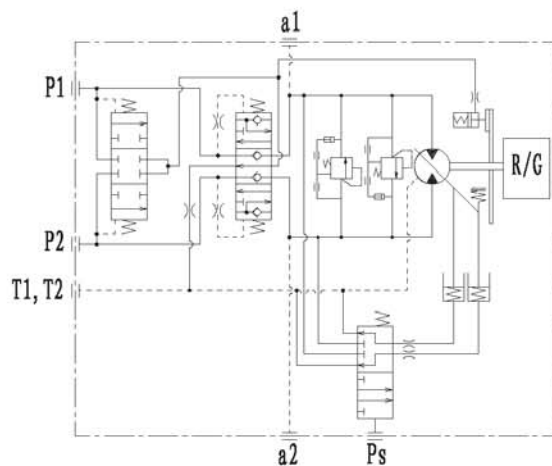
Specifications

最大输出扭矩	最大总排量	液压马达排量		传动比	最高转速	最大流量	最高压力	重量	适用机重
Max. Output Torque	Max. Total Displacement	Motor Displacement		Gear Ratio	Max. Speed	Max. Flow	Max. Pressure	Mass	Applicable Vehicle Mass
N. m	ml/rev	ml/rev			rpm	L/min	MPa	Kg	Ton
15000	4019.6	51.9/34 44.4/26.6	51.9/28.4 44.4/22.2	77.449	35	80	30	180	18

注：本产品适用于开式系统，如需闭式系统产品请联系应用工程师。

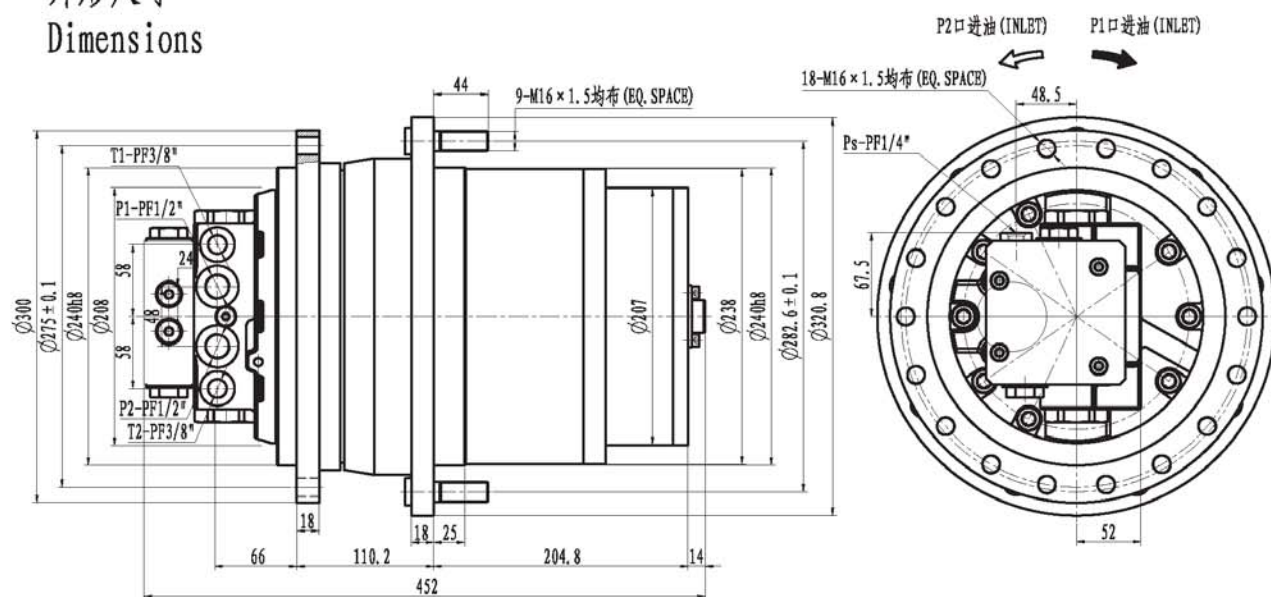
Note: The product suitable for open loop system, if you need closed loop system product, please contact iNi appl. engineer.

液压原理图



外形尺寸

Dimensions



技术参数

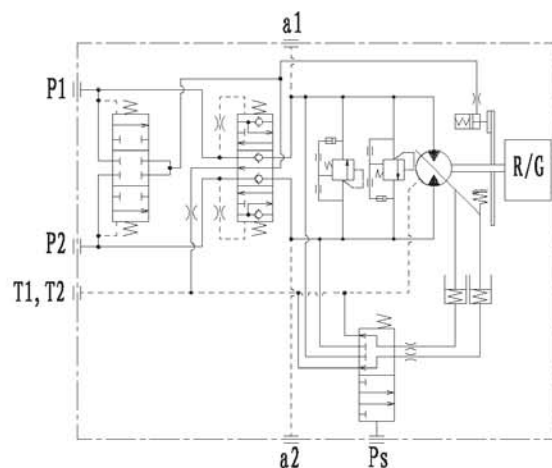
Specifications

最大输出扭矩 Max. Output Torque N.m	最大总排量 Max. Total Displacement ml/rev	液压马达排量 Motor Displacement ml/rev	传动比 Gear Ratio	最高转速 Max. Speed rpm	最大流量 Max. Flow L/min	最高压力 Max. Pressure MPa	重量 Mass Kg	适用机重 Applicable Vehicle Mass Ton
15000	4883.0	51.9/34 44.4/26.6 51.9/28.4 44.4/22.2	94.087	30	80	25	180	18

注：本产品适用于开式系统，如需闭式系统产品请联系应用工程师。

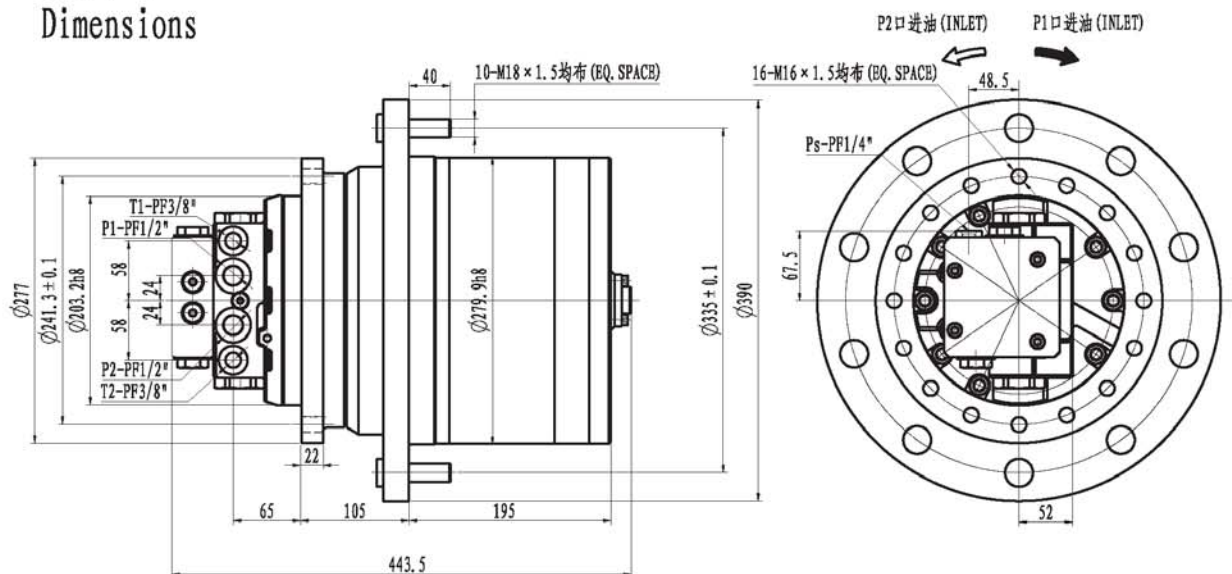
Note: The product suitable for open loop system, if you need closed loop system product, please contact iNi appl. engineer.

液压原理图



外形尺寸

Dimensions



技术参数

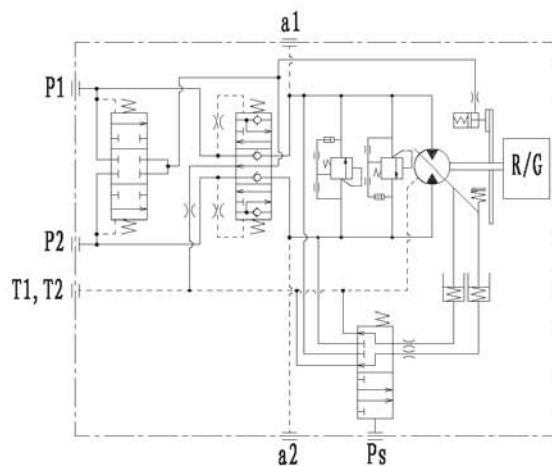
Specifications

最大输出扭矩 Max. Output Torque N. m	最大总排量 Max. Total Displacement ml/rev	液压马达排量 Motor Displacement ml/rev	传动比 Gear Ratio	最高转速 Max. Speed rpm	最大流量 Max. Flow L/min	最高压力 Max. Pressure MPa	重量 Mass Kg	适用机重 Applicable Vehicle Mass Ton
17000	4856	51.9/34 44.4/26.6	93.565	30	80	30	200	18

注：本产品适用于开式系统，如需闭式系统产品请联系应用工程师。

Note: The product suitable for open loop system, if you need closed loop system product, please contact iNi appl. engineer.

液压原理图

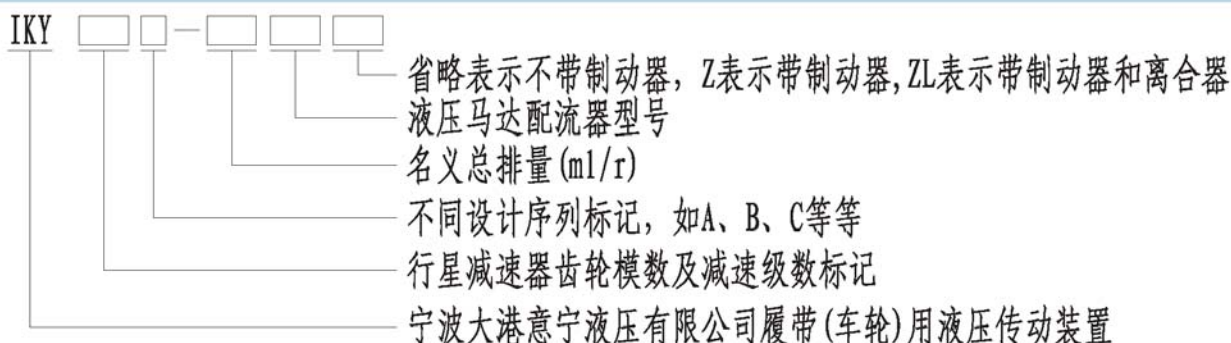


IKY系列履带（车轮）用液压传动装置

1、概述

IKY系列履带（车轮）用液压传动装置由具有制动功能的阀组、液压马达、制动器、一级或二级行星减速器组成。它的特点是工作和起动效率高、工作可靠，其输出为转动的外壳，可直接与车轮或履带驱动链轮相连接，由于轴向尺寸较小，因而可内藏在车轮或履带内，这一特点提高了行走机械的整机通过能力，并使整机的结构紧凑外形美观。因而该产品已广泛用于工程车辆、履带挖掘机、非开挖钻机、潜孔钻机、轨道车辆、煤炭掘进机、矿山钻机、旋挖钻机等设备的履带或车轮的驱动装置中，产品不但畅销全国，并出口到新加坡、印度、韩国、荷兰等地区。

2、型号说明：



3、型号说明举例：

IKY34A-6500D240201Z表示行星减速器为二级减速，齿轮模数第一级3mm，第二级为4mm，设计序列为A，名义总排量为6500ml/r，液压马达配流器型号为D240201，带制动器。

4、名词解释：

(1) 总排量(ml/r)：液压传动装置每转一周所需要的油量。

$$\text{总排量 (ml/r)} = \text{液压马达排量 (ml/r)} \times \text{减速比}$$

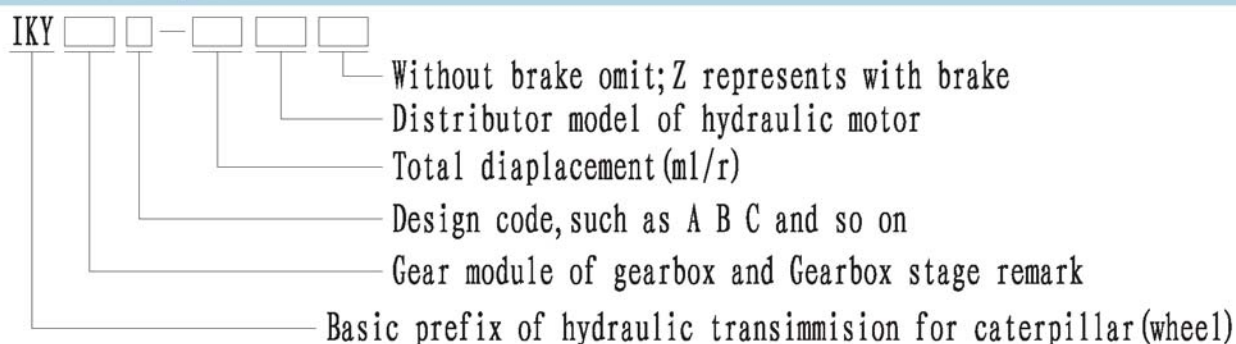
$$(2) \text{ 泵理论供油流量 (L/min)} = \frac{\text{总排量 (ml/r)} \times \text{液压传动装置输出轴转速 (r/min)}}{1000}$$

IKY Series Hydraulic Transmission For Caterpillar (Wheel)

1、Brief introduction

IKY series hydraulic transmission for caterpillar (wheel) consist of a variety of valve block with the function of brake, hydraulic motor, one or two level planetary gearbox. a number of excellent features distinguish from other similar products in design: high efficiency of startup and operation, high reliability, the revolved casing as output can directly connect with the chain wheel of caterpillar drive. Due to the small axial dimension, the hydraulic transmission can be set inside of wheel or caterpillar. They not only improve the trafficability of the motion machine, but also make the figure compact and elegant. So they have been widely applied in construction vehicle, track wheel, caterpillar excavator, caterpillar motion drive mechanism of a variety of drillers and caterpillar mining machine.

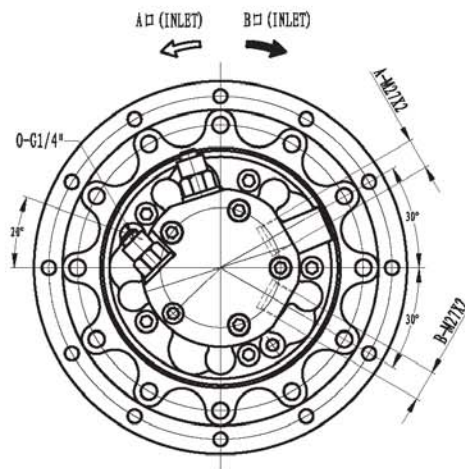
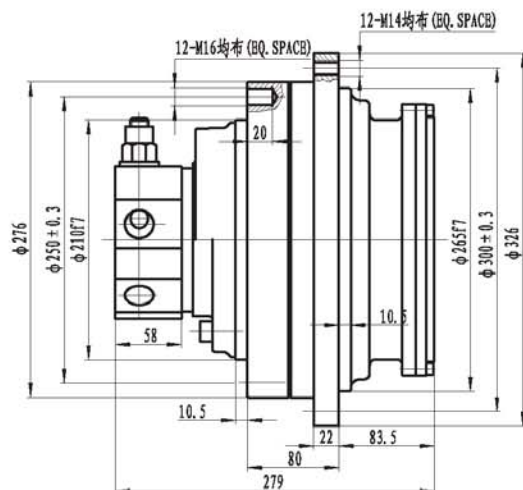
2、Model options



3、Options example

IKY34A-6500D240201Z represents that planetary gearbox have two stage, the 1st stage gear module is 3mm and the 2nd stage is 4mm, the serial label is A, nominal total displacement is 6500 cc/rev and distributor model is D240201 with brake.

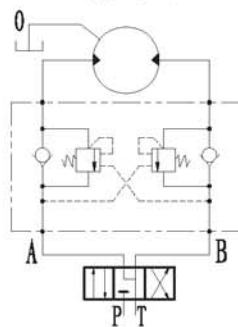
外形尺寸 Dimensions



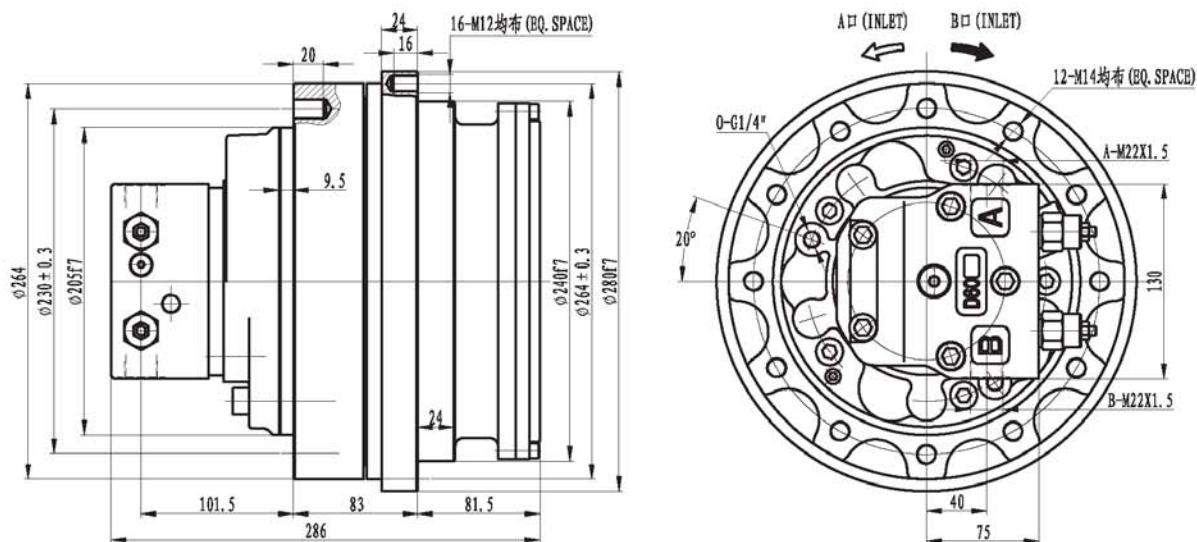
技术参数 Specifications

型号 Model	最大输出扭矩 (N·m) Max. Output Torque	转速 (rpm) Speed	传动比 Ratio	最高压力 (MPa) Max. Pressure	总排量 (ml/r) Total Displacement	液压马达 Hydraulic Motor		重量 (Kg) Mass	适用机重 (ton) Applicable Vehicle Mass
						型号 Model	排量 (ml/r) Displacement		
IKY2.5B-1200D1202	3100	1-90	6	20	1146	INM05-200D1202	191	55	3.5
IKY2.5B-1000D1202	2670	1-90	6	20	996	INM05-170D1202	166	55	3
IKY2.5B-900D1202	2430	1-100	6	20	906	INM05-150D1202	151	55	3
IKY2.5B-800D1202	2080	1-100	6	20	774	INM05-130D1202	129	55	2.5
IKY2.5B-700D1202	1850	1-100	6	20	690	INM05-110D1202	115	55	2.5
IKY2.5B-520D1202	1380	1-110	6	20	516	INM05-90D1202	86	55	1~2
IKY2.5B-450D1202	1190	1-110	6	20	444	INM05-75D1202	74	55	1~2
IKY2.5B-570D1202	1550	1-200	3	20	573	INM05-200D1202	191	60	1~2
IKY2.5B-500D1202	1335	1-200	3	20	498	INM05-170D1202	166	60	1~2
IKY2.5B-450D1202	1215	1-210	3	20	453	INM05-150D1202	151	60	1~2
IKY2.5B-390D1202	1040	1-210	3	20	387	INM05-130D1202	129	60	1~2

液压原理图



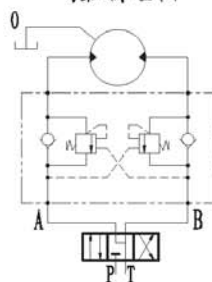
外形尺寸 Dimensions



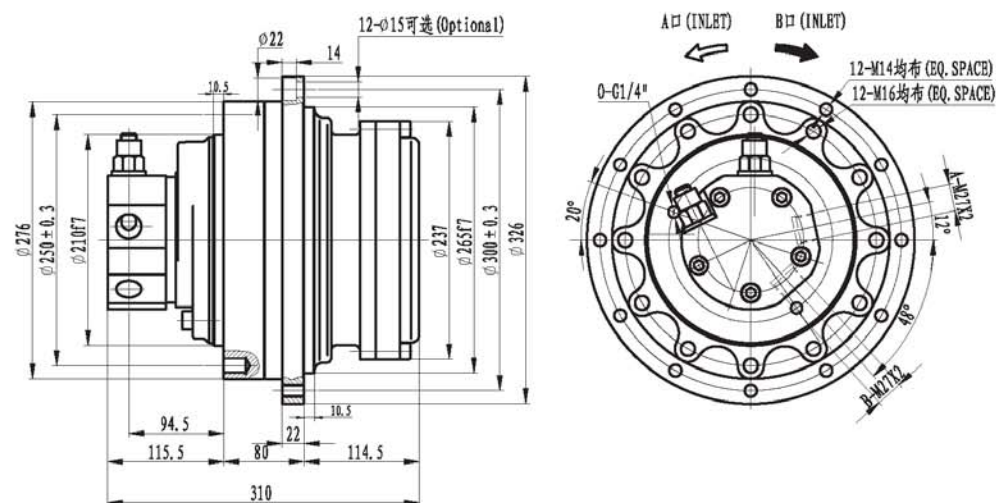
技术参数 Specifications

型号 Model	最大输出扭矩(N·m) Max. Output Torque	转速 (rpm) Speed	传动比 Ratio	最高压力(MPa) Max. Pressure	总排量 (ml/r) Total Displacement	液压马达 Hydraulic Motor 型号 排量(ml/r) Model Displacement	重量(Kg) Mass	适用机重(ton) Applicable Vehicle Mass
IKY2.5B-1200D1202	3100	1-90	6	20	1146	INM05-200D1202 191	55	3.5
IKY2.5B-1000D1202	2670	1-90	6	20	996	INM05-170D1202 166	55	3
IKY2.5B-900D1202	2430	1-100	6	20	906	INM05-150D1202 151	55	3
IKY2.5B-800D1202	2080	1-100	6	20	774	INM05-130D1202 129	55	2.5
IKY2.5B-700D1202	1850	1-100	6	20	690	INM05-110D1202 115	55	2.5
IKY2.5B-520D1202	1380	1-110	6	20	516	INM05-90D1202 86	55	1~2
IKY2.5B-450D1202	1190	1-110	6	20	444	INM05-75D1202 74	55	1~2
IKY2.5B-570D1202	1550	1-200	3	20	573	INM05-200D1202 191	60	1~2
IKY2.5B-500D1202	1335	1-200	3	20	498	INM05-170D1202 166	60	1~2
IKY2.5B-450D1202	1215	1-210	3	20	453	INM05-150D1202 151	60	1~2
IKY2.5B-390D1202	1040	1-210	3	20	387	INM05-130D1202 129	60	1~2

液压原理图



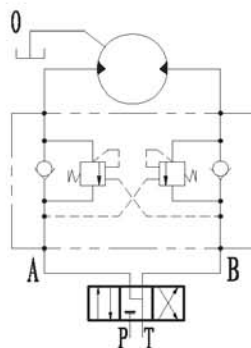
外形尺寸 Dimensions



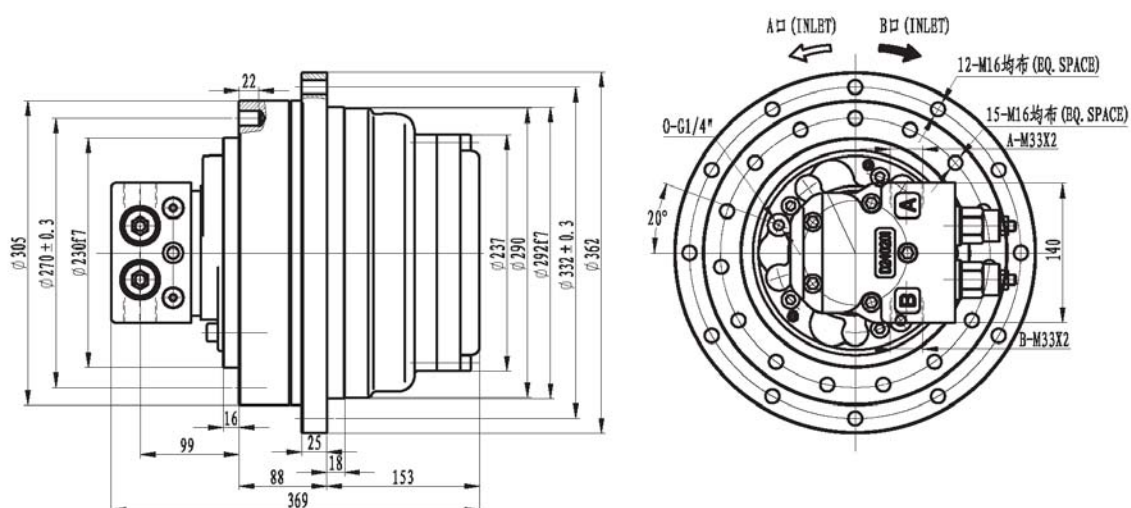
技术参数 Specifications

型号 Model	最大输出扭矩 (N·m) Max. Output Torque	转速 (rpm) Speed	传动比 Ratio	最高压力 (MPa) Max. Pressure	总排量 (ml/r) Total Displacement	液压马达 Hydraulic Motor	重量 (Kg) Mass	适用机重 (ton) Applicable Vehicle Mass
						型号 排量 (ml/r) Model Displacement		
IKY2.52.5A-3600D1202	8000	0.4-32	19	18	3629	INM05-200D1202 191	80	7~8
IKY2.52.5A-3200D1202	8000	0.4-38	19	20	3154	INM05-170D1202 166	80	7~8
IKY2.52.5A-2900D1202	7300	0.4-42	19	20	2869	INM05-150D1202 151	80	6~7
IKY2.52.5A-2500D1202	6300	0.4-46	19	20	2451	INM05-130D1202 129	80	5~6
IKY2.52.5A-2200D1202	5600	0.4-50	19	20	2185	INM05-110D1202 115	80	5~6
IKY2.52.5A-1600D1202	4200	0.4-58	19	20	1634	INM05-90D1202 86	80	4~5
IKY2.52.5A-1400D1202	3600	0.4-63	19	20	1406	INM05-75D1202 74	80	4~5

液压原理图



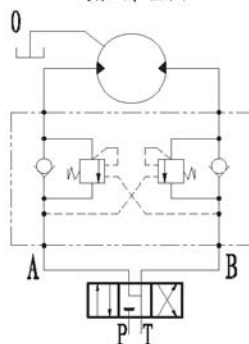
外形尺寸 Dimensions



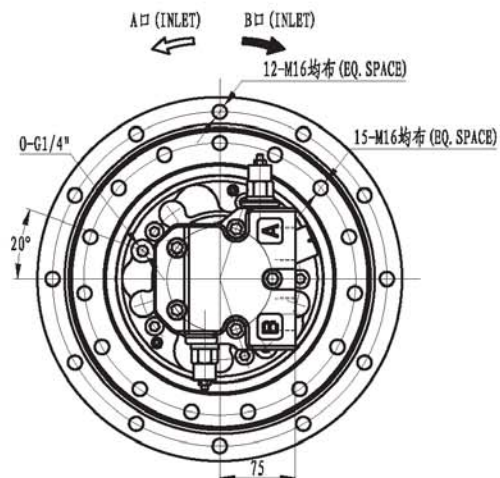
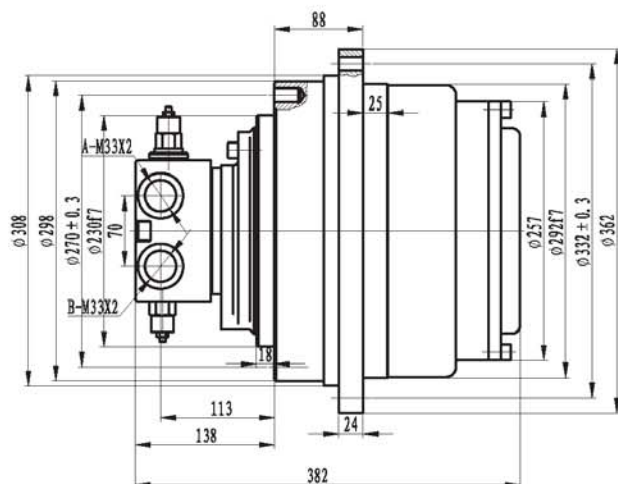
技术参数 Specifications

型号 Model	最大输出扭矩 (N·m) Max. Output Torque	转速 (rpm) Speed	传动比 Ratio	最高压力 (MPa) Max. Pressure	总排量 (ml/r) Total Displacement	液压马达 Hydraulic Motor 型号 排量 (ml/r) Model Displacement	重量 (Kg) Mass	适用机重 (ton) Applicable Vehicle Mass
IKY2.52.5B-4600D2402	9600	0.25-32	24	17	4584	INM05-200D2402 191	100	8-10
IKY2.52.5B-4000D2402	9600	0.25-33	24	19	3984	INM05-170D2402 166	100	8-10
IKY2.52.5B-3600D2402	9600	0.25-36	24	20	3624	INM05-150D2402 151	100	8-10
IKY2.52.5B-3100D2402	9500	0.25-42	24	23	3096	INM05-130D2402 129	100	8-10
IKY2.52.5B-2800D2402	8470	0.25-45	24	23	2760	INM05-110D2402 115	100	8-10
IKY2.52.5B-2100D2402	6330	0.25-50	24	23	2064	INM05-90D2402 86	100	8-10

液压原理图



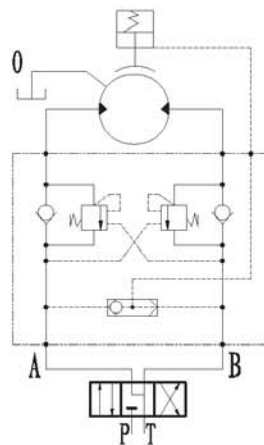
外形尺寸 Dimensions



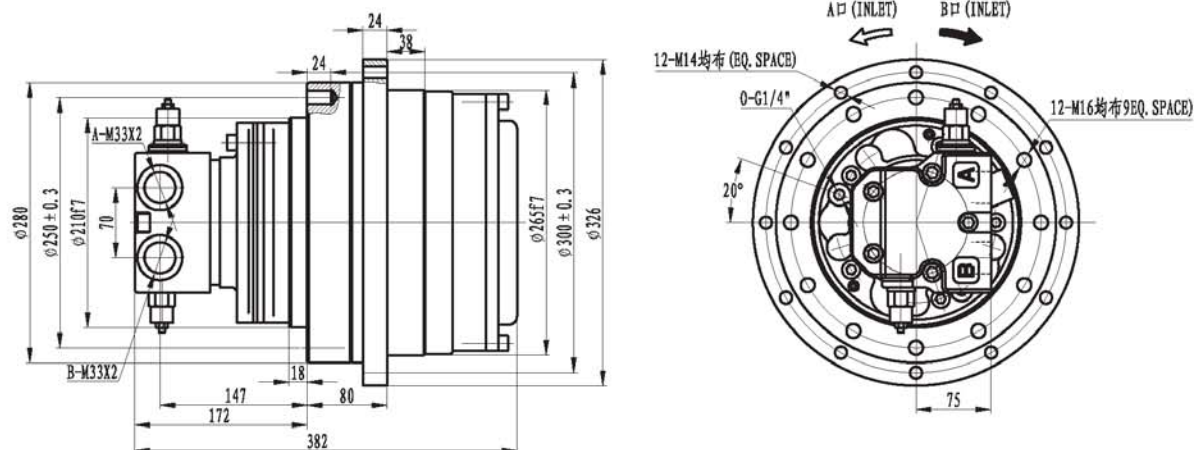
技术参数 Specifications

型号 Model	最大输出扭矩 (N·m) Max. Output Torque	转速 (rpm) Speed	传动比 Ratio	最高压力 (MPa) Max. Pressure	总排量 (ml/r) Total Displacement	液压马达 Hydraulic Motor		重量 (Kg) Mass	适用机重 (ton) Applicable Vehicle Mass
						型号 Model	排量 (ml/r) Displacement		
IKY2.53A-3600D240201Z	10000	0.3-36	19	21	3629	INM05-200D240201	191	110	8~10
IKY2.53A-3200D240201Z	8700	0.3-40	19	21	3154	INM05-170D240201	166	110	8~10
IKY2.53A-2900D240201Z	8500	0.3-45	19	23	2869	INM05-150D240201	151	110	6~8
IKY2.53A-2500D240201Z	7260	0.3-50	19	23	2451	INM05-130D240201	129	110	6~8
IKY2.53A-2200D240201Z	6470	0.3-55	19	23	2185	INM05-110D240201	115	110	6~8

液压原理图



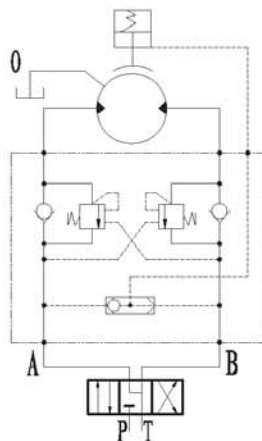
外形尺寸 Dimensions



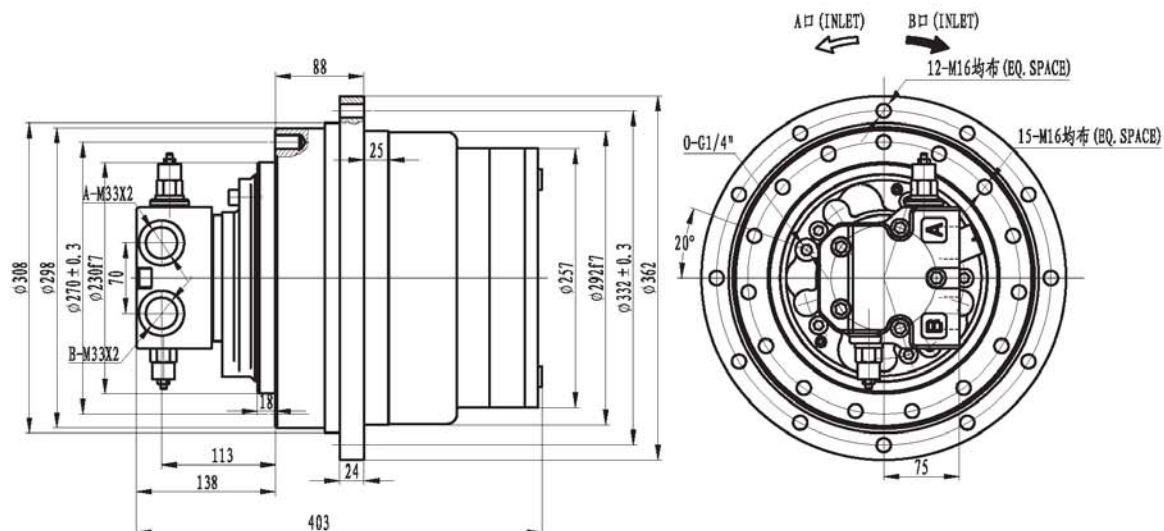
技术参数 Specifications

型号 Model	最大输出扭矩 (N·m) Max. Output Torque	转速 (rpm) Speed	传动比 Ratio	最高压力 (MPa) Max. Pressure	总排量 (ml/r) Total Displacement	液压马达 Hydraulic Motor		重量 (Kg) Mass	适用机重 (ton) Applicable Vehicle Mass
						型号 Model	排量 (ml/r) Displacement		
IKY2.53B-2900D240201Z	8500	0.3-42	19	23	2869	INM05-150D240201	151	100	6-8
IKY2.53B-2500D240201Z	7260	0.3-48	19	23	2451	INM05-130D240201	129	100	6-8
IKY2.53B-2200D240201Z	6470	0.3-55	19	23	2185	INM05-110D240201	115	100	6-8
IKY2.53B-1600D240201Z	4840	0.3-58	19	23	1634	INM05-90D240201	86	100	6-8
IKY2.53B-1400D240201Z	4160	0.3-63	19	23	1406	INM05-75D240201	74	100	6-8

液压原理图



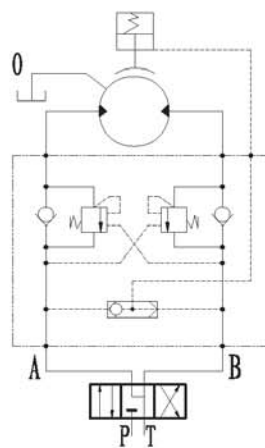
外形尺寸 Dimensions



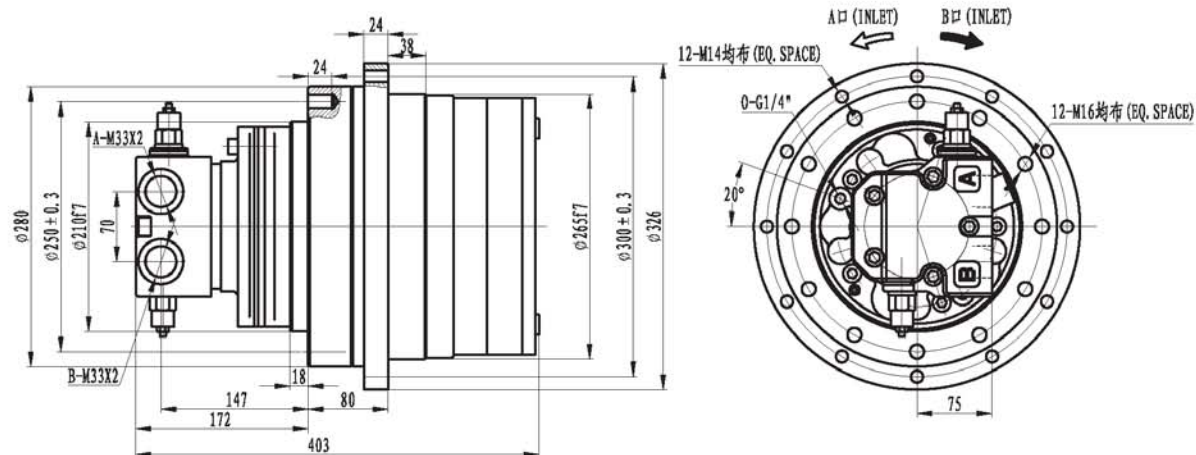
技术参数 Specifications

型号 Model	最大输出扭矩 (N·m) Max. Output Torque	转速 (rpm) Speed	传动比 Ratio	最高压力 (MPa) Max. Pressure	总排量 (ml/r) Total Displacement	液压马达 Hydraulic Motor		重量 (Kg) Mass	适用机重 (ton) Applicable Vehicle Mass
						型号 Model	排量 (ml/r) Displacement		
IKY33A-3600D240201Z	10000	0.3-36	19	21	3629	INM05-200D240201	191	110	8~10
IKY33A-3200D240201Z	8700	0.3-40	19	21	3154	INM05-170D240201	166	110	8~10
IKY33A-2900D240201Z	8500	0.3-45	19	23	2869	INM05-150D240201	151	110	6~8
IKY33A-2500D240201Z	7260	0.3-50	19	23	2451	INM05-130D240201	129	110	6~8
IKY33A-2200D240201Z	6470	0.3-55	19	23	2185	INM05-110D240201	115	110	6~8

液压原理图



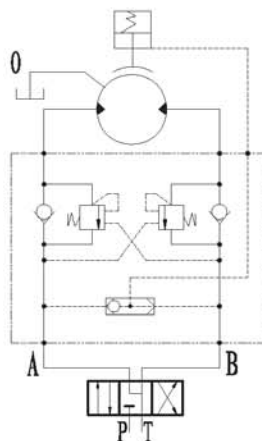
外形尺寸 Dimensions



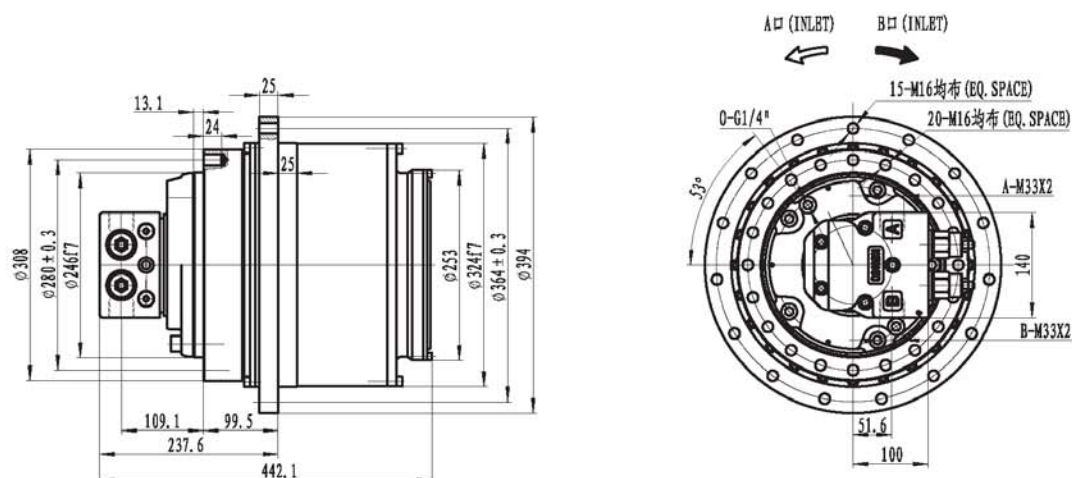
技术参数 Specifications

型号 Model	最大输出扭矩 (N·m) Max. Output Torque	转速 (rpm) Speed	传动比 Ratio	最高压力 (MPa) Max. Pressure	总排量 (ml/r) Total Displacement	液压马达 Hydraulic Motor		重量 (Kg) Mass	适用机重 (ton) Applicable Vehicle Mass
						型号 Model	排量 (ml/r) Displacement		
IKY33B-2900D240201Z	8500	0.3-42	19	23	2869	INW05-150D240201	151	100	6-8
IKY33B-2500D240201Z	7260	0.3-48	19	23	2451	INW05-130D240201	129	100	6-8
IKY33B-2200D240201Z	6470	0.3-55	19	23	2185	INW05-110D240201	115	100	6-8
IKY33B-1600D240201Z	4840	0.3-58	19	23	1634	INW05-90D240201	86	100	6-8
IKY33B-1400D240201Z	4160	0.3-63	19	23	1406	INW05-75D240201	74	100	6-8

液压原理图



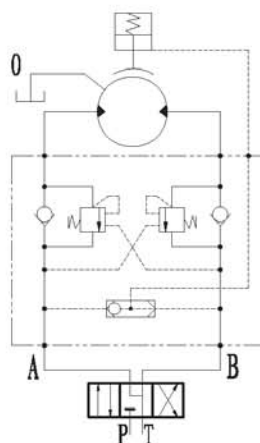
外形尺寸 Dimensions



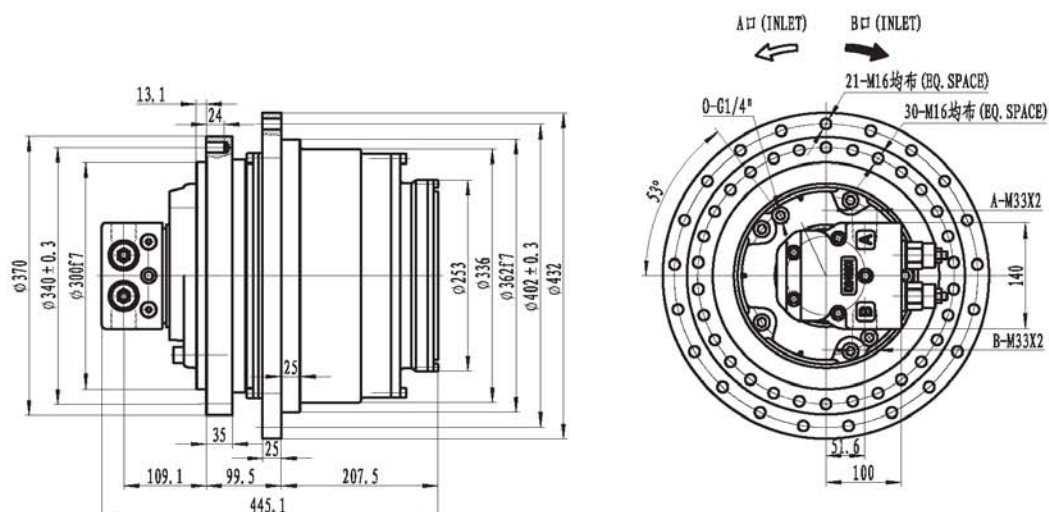
技术参数 Specifications

型号 Model	最大输出扭矩 (N·m) Max. Output Torque	转速 (rpm) Speed	传动比 Ratio	最高压力 (MPa) Max. Pressure	总排量 (ml/r) Total Displacement	液压马达 Hydraulic Motor		重量 (Kg) Mass	适用机重 (ton) Applicable Vehicle Mass
						型号 Model	排量 (ml/r) Displacement		
IKY34A-7500D240201Z	23000	0.2-29	37.5	23.5	7537.5	INM1-200D240201	201	200	14 ~ 18
IKY34A-6500D240201Z	19700	0.2-30	37.5	23.5	6450	INM1-175D240201	172	200	12 ~ 14
IKY34A-5800D240201Z	17700	0.2-32	37.5	23.5	5775	INM1-150D240201	154	200	10 ~ 12
IKY34A-3700D240201Z	11400	0.2-32	37.5	23.5	3712.5	INM1-100D240201	99	200	8 ~ 10
IKY34A-5300D240201Z	16300	0.2-40	26.5	23.5	5326.5	INM1-200D240201	201	210	12 ~ 14
IKY34A-4400D240201Z	13600	0.2-42	26.5	23.5	4458	INM1-175D240201	172	210	10 ~ 12
IKY34A-4100D240201Z	12500	0.2-45	26.5	23.5	4081	INM1-150D240201	154	210	8 ~ 10

液压原理图



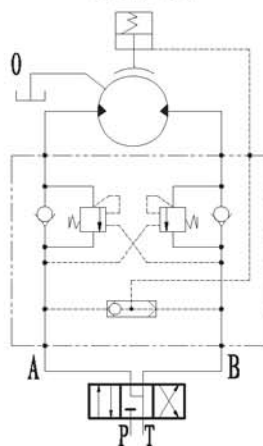
外形尺寸 Dimensions



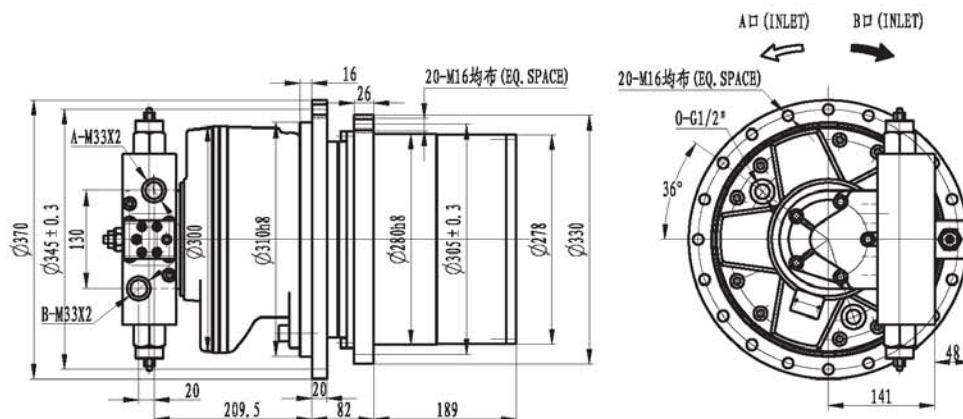
技术参数 Specifications

型号 Model	最大输出扭矩 (N·m) Max. Output Torque	转速 (rpm) Speed	传动比 Ratio	最高压力 (MPa) Max. Pressure	总排量 (ml/r) Total Displacement	液压马达 Hydraulic Motor		重量 (Kg) Mass	适用机重 (ton) Applicable Vehicle Mass
						型号 Model	排量 (ml/r) Displacement		
IKY34B-7500D240201Z	23000	0.2-29	37.5	23.5	7537.5	TNM1-200D240201	201	240	14 ~ 18
IKY34B-6500D240201Z	19700	0.2-30	37.5	23.5	6450	TNM1-175D240201	172	240	12 ~ 14
IKY34B-5800D240201Z	17700	0.2-32	37.5	23.5	5775	TNM1-150D240201	154	240	10 ~ 12
IKY34B-3700D240201Z	11400	0.2-32	37.5	23.5	3712.5	TNM1-100D240201	99	240	8 ~ 10
IKY34B-5300D240201Z	16300	0.2-40	26.5	23.5	5326.5	TNM1-200D240201	201	250	12 ~ 14
IKY34B-4400D240201Z	13600	0.2-42	26.5	23.5	4458	TNM1-175D240201	172	250	10 ~ 12
IKY34B-4100D240201Z	12500	0.2-45	26.5	23.5	4081	TNM1-150D240201	154	250	8 ~ 10

液压原理图



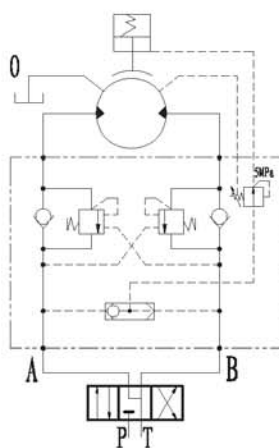
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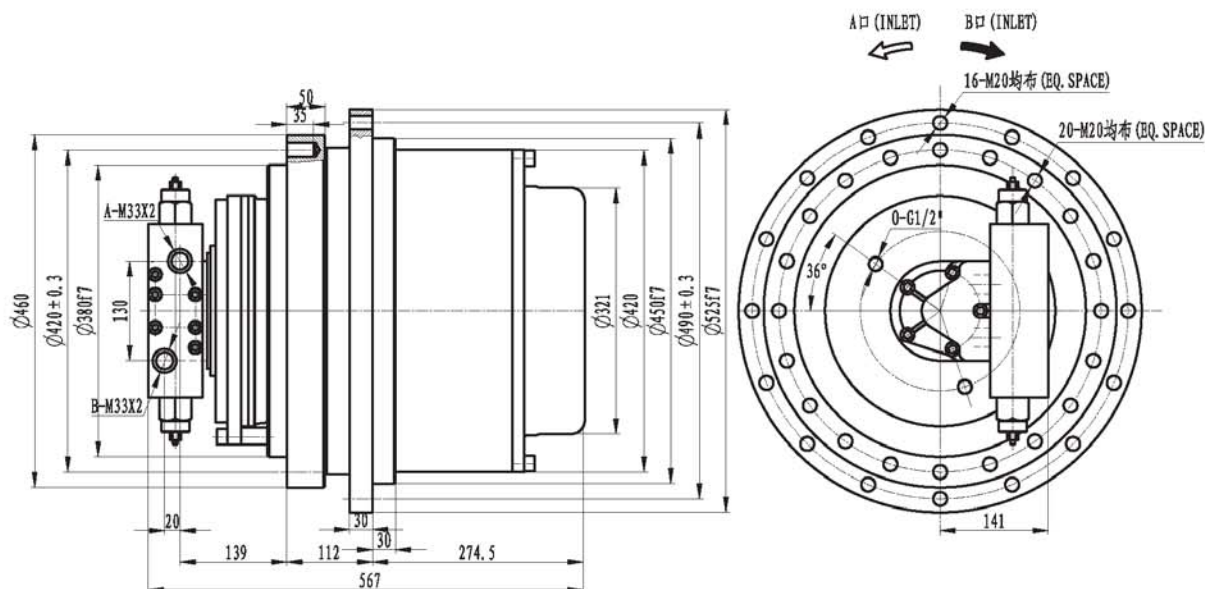
技术参数 Specifications

型号 Model	最大输出扭矩 (N·m) Max. Output Torque	转速 (rpm) Speed	传动比 Ratio	最高压力 (MPa) Max. Pressure	总排量 (ml/r) Total Displacement	液压马达 Hydraulic Motor		重量 (Kg) Mass	适用机重 (ton) Applicable Vehicle Mass
						型号 Model	排量 (ml/r) Displacement		
IKY44A-9600D47F2402011Z	24000	0.1-30	19.4	20	9564.2	INM2-500D47F2402011	493	200	16~18
IKY44A-8300D47F2402011Z	21000	0.1-30	19.4	20	8245	INM2-420D47F2402011	425	200	14~16
IKY44A-6800D47F2402011Z	17000	0.1-30	19.4	20	6731.8	INM2-350D47F2402011	347	200	12~14

液压原理图



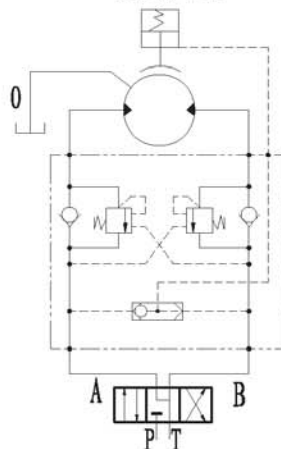
外形尺寸 Dimensions



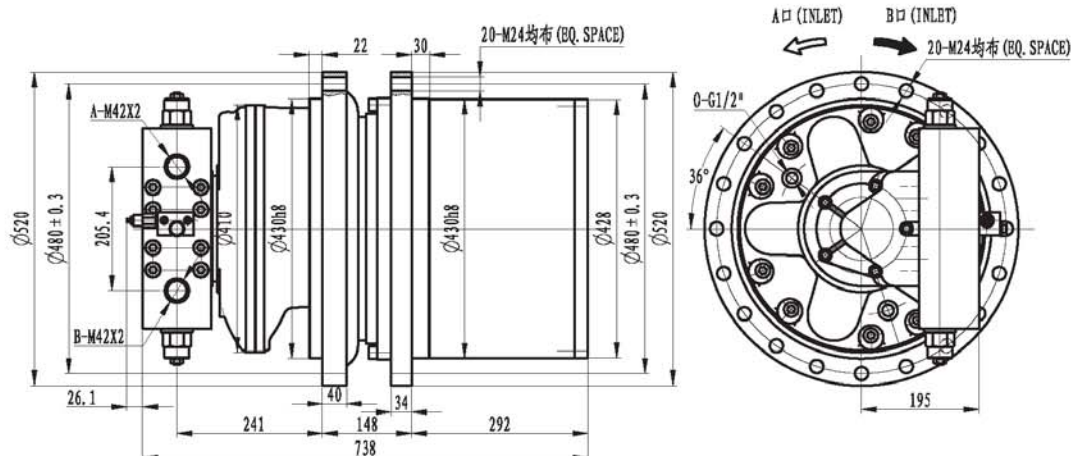
技术参数 Specifications

型号 Model	最大输出扭矩 (N·m) Max. Output Torque	转速 (rpm) Speed	传动比 Ratio	最高压力 (MPa) Max. Pressure	总排量 (ml/r) Total Displacement	液压马达 Hydraulic Motor		重量 (Kg) Mass	适用机重 (ton) Applicable Vehicle Mass
						型号 Model	排量 (ml/r) Displacement		
IKY45A-1600D47F240201Z	48000	0.2 - 15	37.5	23	15937.5	INM2-420D47F240201	425	240	24 ~ 30
IKY45A-1300D47F240201Z	39000	0.2 - 19	37.5	23	13012.5	INM2-350D47F240201	347	240	20 ~ 24
IKY45A-1150D47F240201Z	34000	0.2 - 21	37.5	23	11400	INM2-300D47F240201	304	240	18 ~ 24
IKY45A-950D47F240201Z	28000	0.2 - 26	37.5	23	9412.5	INM2-250D47F240201	251	240	16 ~ 18

液压原理图



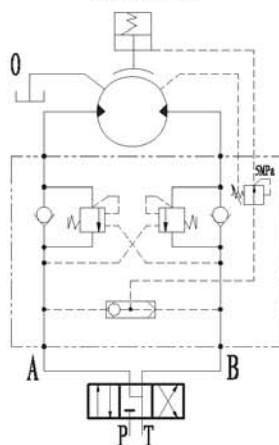
外形尺寸 Dimensions



技术参数 Specifications

型号 Model	最大输出扭矩 (N·m) Max. Output Torque	转速 (rpm) Speed	传动比 Ratio	最高压力 (MPa) Max. Pressure	总排量 (ml/r) Total Displacement	液压马达 Hydraulic Motor		重量 (Kg) Mass	适用机重 (ton) Applicable Vehicle Mass
						型号 Model	排量 (ml/r) Displacement		
IKY66A-26000D90F4802011Z	80000	0.1-11	19.4	24	25530.4	INM4-1300D90F4802011	1316	425	50
IKY66A-25000D90F4802011Z	75000	0.1-12	19.4	24	24191.8	INM4-1200D90F4802011	1250	425	45
IKY66A-22000D90F4802011Z	67000	0.1-14	19.4	24	21650.4	INM4-1100D90F4802011	1100	425	40

液压原理图

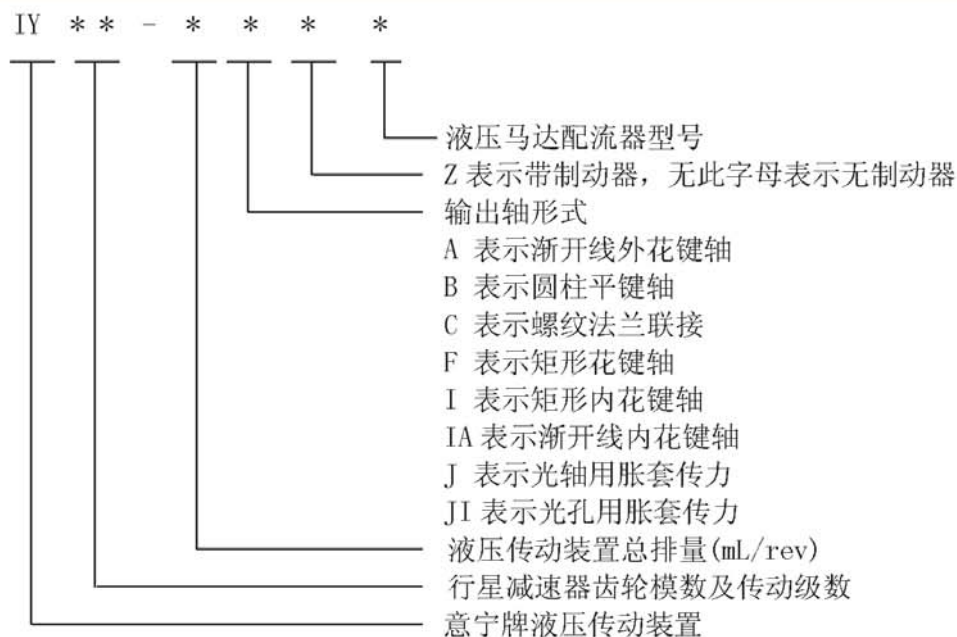


IY 系列液压传动装置

1、概述

IY系列液压传动装置由液压马达、行星减速器、片式制动器及各种功能配流器组成。它具有径向尺寸小、重量轻、扭矩大，输出轴可承受较大的径向与轴向外力，起动效率高(0.87~0.9)，优越的低速稳定性，传动效率高，低噪音，经济性好等特点。因而广泛适用于建筑工程、铁路、公路、船舶、石油、煤矿、冶金等各种机械中。根据不同需要，用户可选配制动器及集成各种功能阀件的配流器。

2、型号说明



3、型号举例

IY2.5—800CD31 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 2.5，总排量为 800mL/rev，输出轴采用螺纹法兰联接，液压马达配流器型号为 D31。

4、参数说明

- 1) 总排量为液压马达排量乘以减速器传动比；
- 2) 额定扭矩是在系统压力为 16MPa 或 20MPa 时，考虑了压力损失 2MPa 和相应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。

5、选型说明

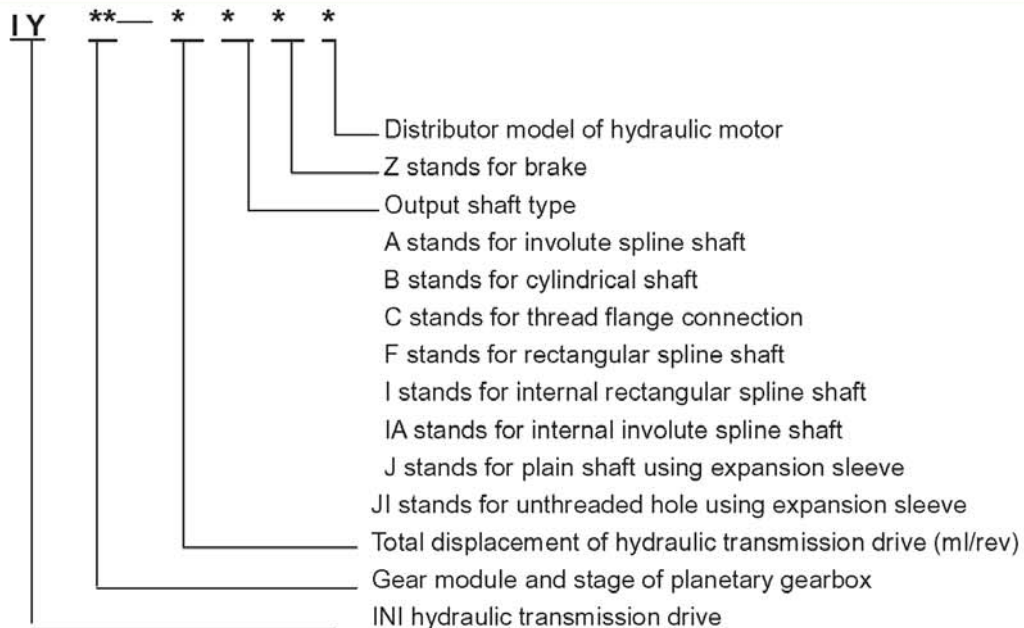
- 1) IY液压传动装置允许在高背压下工作。在连续工作时，许用背压10MPa；
- 2) 壳体允许最高压力为0.1MPa，当系统回油背压高于0.1MPa时，订货时应注明回油背压；
- 3) 液压油：建议使用高质量抗磨、防泡沫、抗氧化的矿基液压油，理想工作油温为30°C~50°C，允许温度为-20°C~80°C，当油温高于60°C和低于10°C时，必须用低凝液压油。液压油粘度为40~60厘沲，允许为5~3000厘沲；当选用水基乳化液作为介质时，用户应及时与本公司联系，以保证提供适用的产品；
- 4) 液压油过滤精度推荐为25 μm ，或更高过滤精度；
- 5) 液压传动装置均可双向旋转，具体转向见附图。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：IY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壳体内充满液压油，泄油口位置的选择必须保证运转中壳体充满液压油。当马达输出轴朝下时，泄油口应装一只0.5bar单向阀；
- 7) 配流器的选择：各型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，选择配流器的原则应按使用压力、转速、流量、联接方式和所集成阀组要求来考虑；配流器安装：配流器进出油口方向允许按外形安装联接位置以72°为间隔旋转，但当松开螺钉旋转时，要当心不能损坏平面“O”型圈的密封功能。
- 8) 各型产品用户有超功率使用要求时，可与本公司联系，在对液压马达和行星减速器运动部件的材质和表面进行特殊处理后，产品的性能和传动功率可以有较大的提高，但制造成本和价格也会相应提高；
- 9) 相应的传动装置加上输出齿轮可制成回转装置，如需选购回转装置，请直接与本公司联系。

IY hydraulic transmission drives series

1. Brief introduction

IY series hydraulic transmission drives consist of hydraulic motor, planetary gearbox, disc brake and multi-function distributor. It features small radial dimension, light weight, high torque and high starting efficiency, good stability at low speed, low noise and good economy. In addition, the output shaft can bear large external radial and axial load. They are widely used in construction engineering, railway, road, ship, petroleum, coal mine, metallurgy industries. Different brakes and distributors with functional valves are available to meet customers' requirements.

2. Model Options



3. Options Example

IY2.5-800CD31 represents that the hydraulic transmission drive uses one stage planetary gearbox, gearbox module is 2.5, total displacement is 800ml/rev, the output shaft uses thread flange connection, and the distributor of the hydraulic motor is D31.

4. Specification explanation

- 1) Total displacement is determined by hydraulic motor displacement multiplies transmission ratio of planetary gearbox.
- 2) Rated torque is the actual output torque considering pressures lose of 2MPa and transmission efficiency when the system pressure is 16Mpa or 20Mpa.
- 3) Transmission efficiency includes mechanical and volumetric efficiency of hydraulic motor and mechanical efficiency of planetary gearbox.

5. Selection instruction

- 1) IY series hydraulic transmission drives can run at high back pressure. The allowable back pressure is 10MPa under continuous working condition.
- 2) The maximum allowable pressure of casing is 0.1Mpa. If the back pressure at the system return line is higher than 0.1MPa, please specify it when place an order.
- 3) Hydraulic oil: It's recommended to use high quality mineral-based hydraulic oil, which is anti-wear, anti-foam and anti-oxidation. The ideal oil temperature is between 30℃ and 50℃, and the allowable oil temperature is between -20℃ and 80℃. If the temperature is higher than 60℃ or lower than 10℃, please use low-freezing hydraulic oil. The oil viscosity is between 40cSt and 60cSt, and allowable viscosity is between 5cSt and 3000cSt. If customer chooses water-based emulsified liquid as medium, please contact us for right products.
- 4) It is recommended to use hydraulic oil with a filter rating of 25 μm or even higher.
- 5) The hydraulic transmission drives are bi-directional. See attached drawings for more information. Reverse direction is available if customers request so when place an order.
- 6) Positioning of drain line. IY hydraulic transmission drives can be installed in any direction. To ensure the smooth movement of kinematic pairs in the hydraulic motor, please fill the motor casing with hydraulic oil. The oil drain port must be positioned in such a way that there is always sufficient hydraulic oil in the motor casing. If the output shaft is pointing downward, please add a check valve of 0.5bar at the oil drain port.
- 7) Selection of distributors: Customers can choose different types of distributors for the hydraulic transmission drive based on different working conditions. Please take into consideration working pressure, speed, flow, connection type and function of integral valve block when select distributors.
Installation of distributor: The direction of oil port can rotate by every 72 ° Please take care not to damage the O ring when rotate the distributor.
- 8) If customers require over power operation, please contact us. We can greatly improve the performance of the product and transmission power by giving special treatment to the material and surface of moving parts inside planetary gearbox.
- 9) We can add an output gear to the hydraulic transmission drives to gain hydraulic slewing drives, if you need it please contact us.

IY2.5系列液压传动装置

IY2.5 Hydraulic transmission dives

型 号 Model	总排量(ml/rev) Total displacement	额定扭矩(N.m) Rated torque		转速范围 (r/min) Speed	液压马达型号 Motor model	行星减速器型号 Gearbox model	制动器型号 Brake	可选配流器型号 Distributor
		16 MPa	20 MPa					
IY2.5-450 * * *	430	843	1084	0~100	INM05-90	C2.5A(i=5)	Z052.5	D31,D60*** D40,D120*** D47,D240***
IY2.5-630 * * *	645	1264	1626		INM05-130			
IY2.5-800 * * *	830.5	1628	2093		INM05-150	C2.5D(i=5.5)		
IY2.5-1000 * * *	1050.5	2059	2648		INM05-200			

注：总排量为液压马达排量乘以减速器传动比；

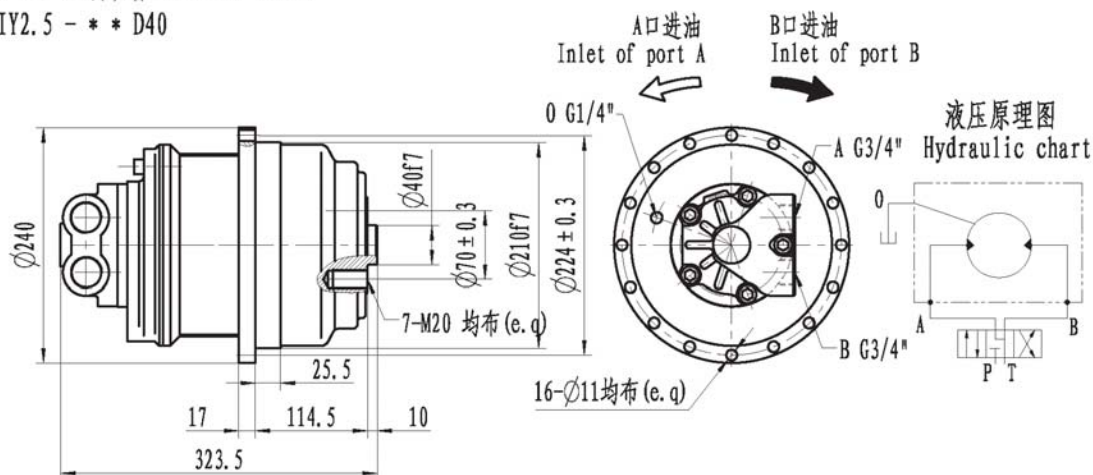
额定扭矩是系统压力（16MPa、20MPa）下考虑压力损失2MPa和传动效率后的实际扭矩；

Note: Total displacement is determined by hydraulic motor displacement multiplies transmission ratio of planetary gearbox.

Rated torque is the output torque considering pressures lose of 2MPa and transmission efficiency when the system pressure is 16MPa or 20MPa.

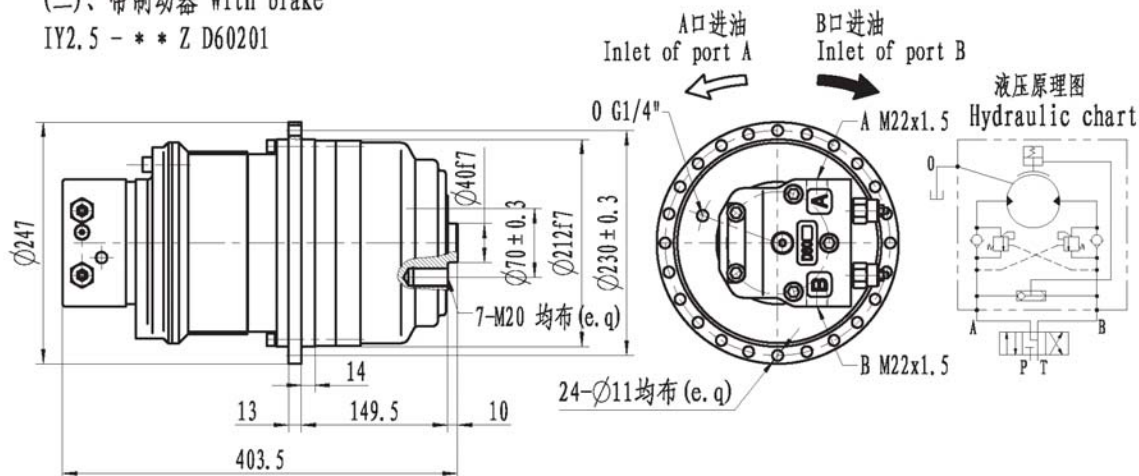
(一)、无制动器 Without brake

IY2.5 - ** D40

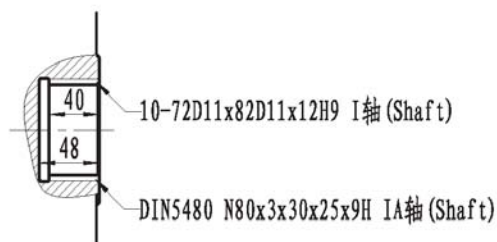
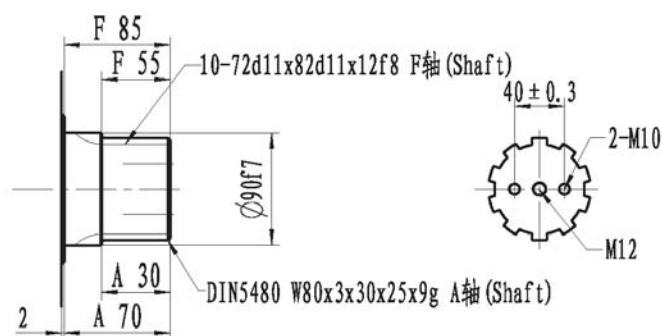
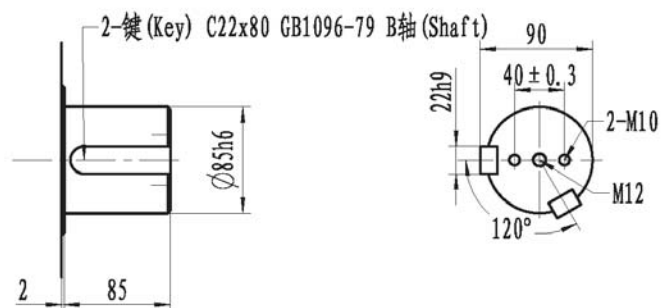


(二)、带制动器 With brake

IY2.5 - ** Z D60201



IY2.5 系列输出轴尺寸:
IY2.5 Series shaft dimensions:



注: 外形联接尺寸及输出轴有特殊要求, 请与我们直接联系
Note: Please contact us if there are any requirements from customer

IY3系列液压传动装置

IY3 Hydraulic transmission dives

型号 Model	总排量 (ml/rev) Total displacement	额定扭矩 (N.m) Rated torque		转速范围 (r/min) Speed	液压马达型号 Motor model	行星减速器型号 Gearbox model	制动器型号 Brake	可选配流量器型号 Distributor
		16 MPa	20 MPa					
IY3-700 ***	693	1358	1747	1~80	INM1-100	C3 (i=7)	Z13	D31, D60*** D40, D120*** D47, D240***
IY3-1000 ***	1078	2113	2717		INM1-150			
IY3-1700 ***	1701	3273	4028		INM1-250			
IY3-2200 ***	2198	4229	5437		INM1-320			

注：总排量为液压马达排量乘以减速器传动比；

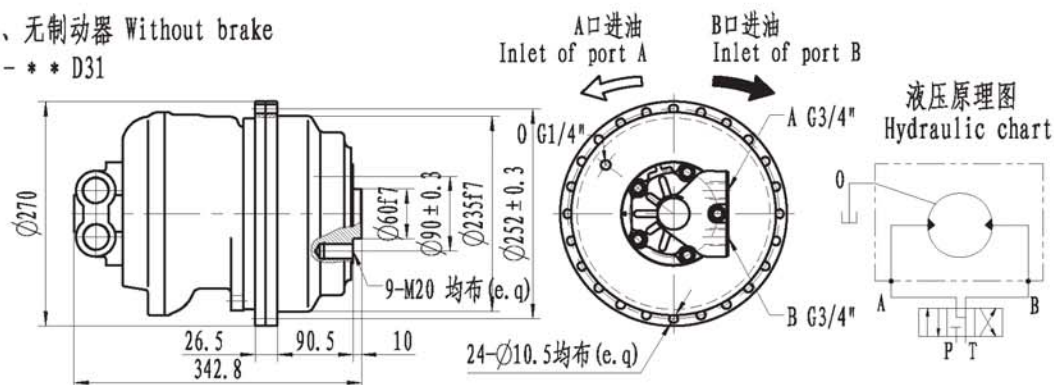
额定扭矩是系统压力 (16MPa、20MPa) 下考虑压力损失和传动效率后的实际扭矩；

Note: Total displacement is determined by hydraulic motor displacement multiplies transmission ratio of planetary gearbox.

Rated torque is the output torque considering pressures lose of 2MPa and transmission efficiency when the system pressure is 16Mpa or 20Mpa.

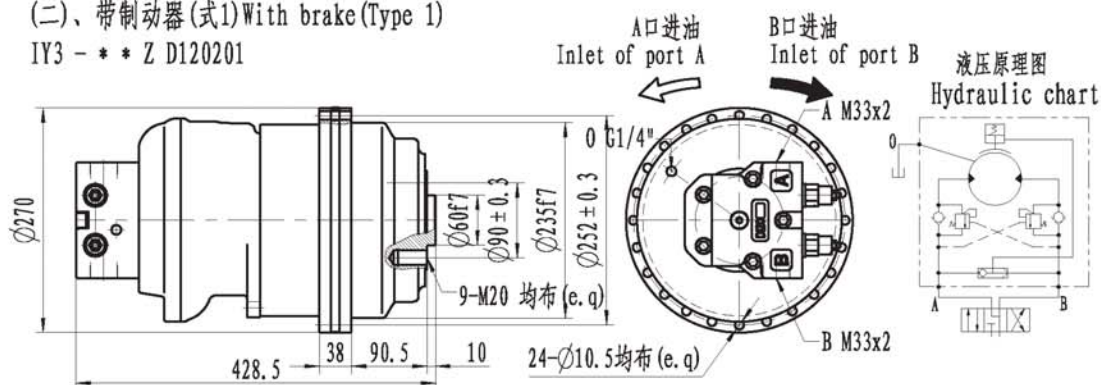
(一)、无制动器 Without brake

IY3 - * * D31



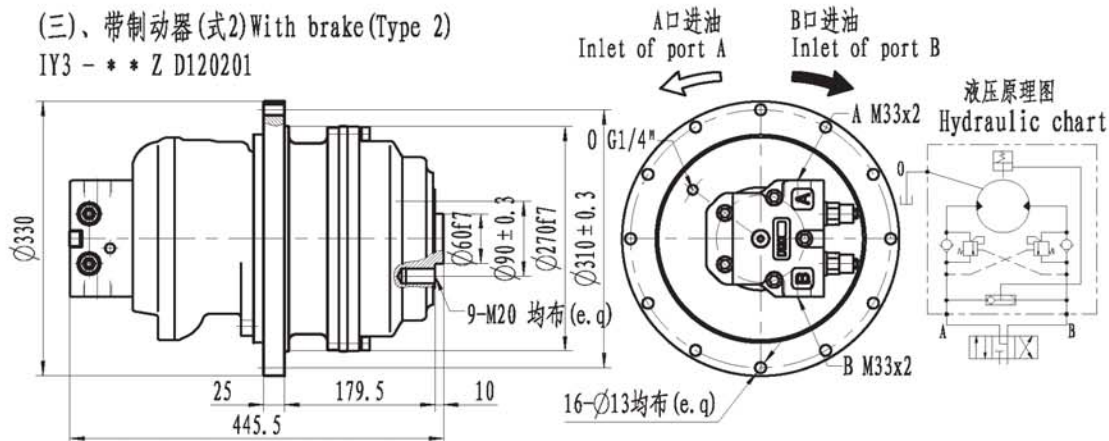
(二)、带制动器 (式1) With brake (Type 1)

IY3 - * * Z D120201



(三)、带制动器 (式2) With brake (Type 2)

IY3 - * * Z D120201



IY3 系列液压传动装置

IY3 Hydraulic transmission dives

型 号 Model	总排量(ml/rev) Total displacement	额定扭矩(N.m) Rated torque		转速范围 (r/min) Speed	液压马达型号 Motor model	行星减速器型号 Gearbox model	制动器型号 Brake	可选配流量型号 Distributor
		16 MPa	20 MPa					
IY3-2000 * * *	1908.5	3742	4811	1~85	INM2-350	C3D(i=5.5)	Z23	D31, D60***
IY3-2500 * * *	2337.5	4583	5892	1~65	INM2-420			D40, D120***
IY3-2750 * * *	2711.5	5316	6835	1~60	INM2-500			D47, D240***
IY3-3400 * * *	3426.5	6593	8476	1~45	INM2-630			

注: 总排量为液压马达排量乘以减速器传动比:

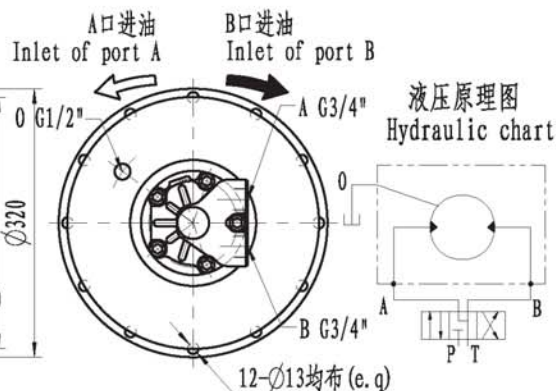
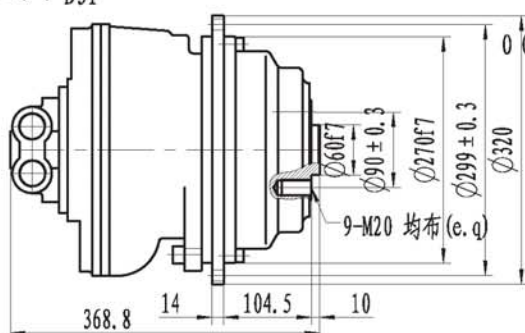
额定扭矩是系统压力(16MPa、20MPa)下考虑压力损失2MPa和传动效率后的实际扭矩:

Note: Total displacement is determined by hydraulic motor displacement multiplies transmission ratio of planetary gearbox.

Rated torque is the output torque considering pressures lose of 2MPa and transmission efficiency when the system pressure is 16Mpa or 20Mpa.

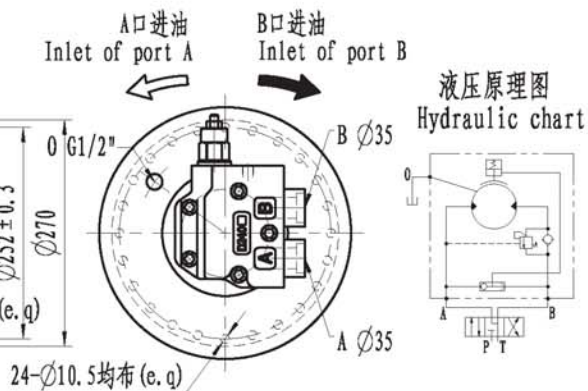
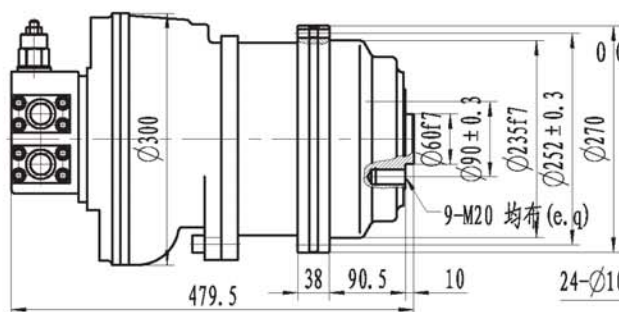
(一)、无制动器 Without brake

IY3 - * * D31



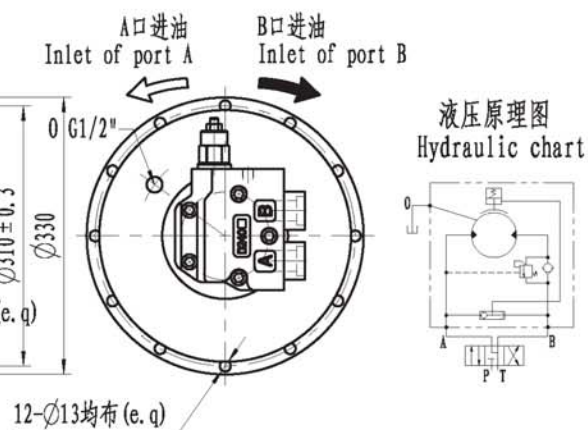
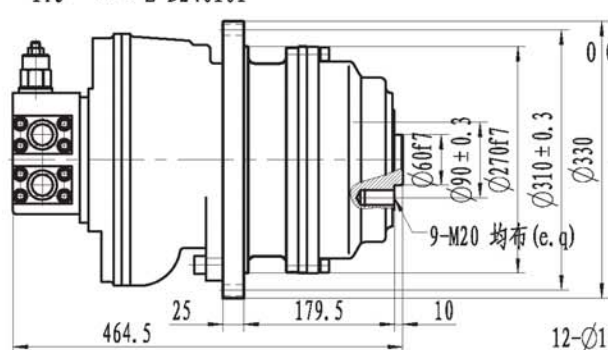
(二)、帶制动器(式1)With brake (Type 1)

IY3 - * * Z D240101

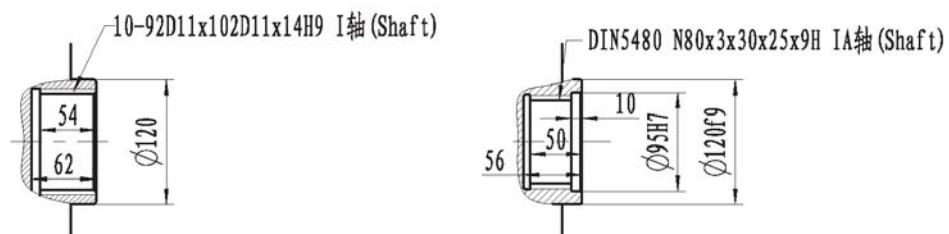
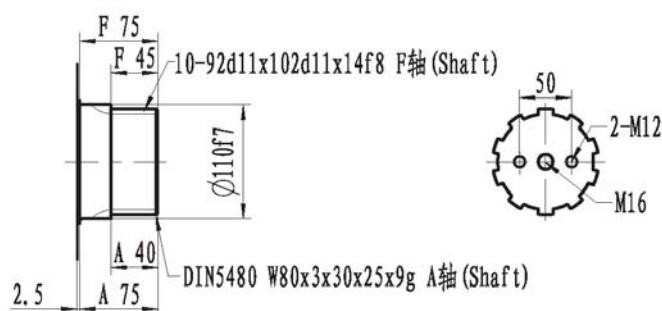
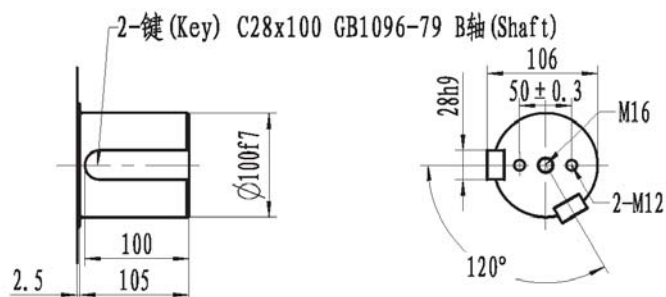


(三)、帶制动器(式2)With brake (Type 2)

IY3 - * * Z D240101



IY3 系列输出轴尺寸:
IY3 Series shaft dimensions:



注: 外形联接尺寸及输出轴有特殊要求, 请与我们直接联系
Note: Please contact us if there are any requirements from customer

IY4系列液压传动装置

IY4 Hydraulic transmission dives

型号 Model	总排量 (ml/rev) Total displacement	额定扭矩 (N.m) Rated torque		转速范围 (r/min) Speed	液压马达型号 Motor model	行星减速器型号 Gearbox model	制动器型号 Brake	可选配流量器型号 Distributor
		16 MPa	20 MPa					
IY4-3400 ***	3402	6640	8537	1~70	INM3-500	C4 (i=7)	Z34	D40, D47, D90, D120*** D240*** D480***
IY4-4200 ***	4165	8014	10303	1~60	INM3-600			
IY4-4800 ***	4830	9293	11949	1~50	INM3-700			
IY4-5500 ***	5544	10667	13715	1~40	INM3-800			

注：总排量为液压马达排量乘以减速器传动比；

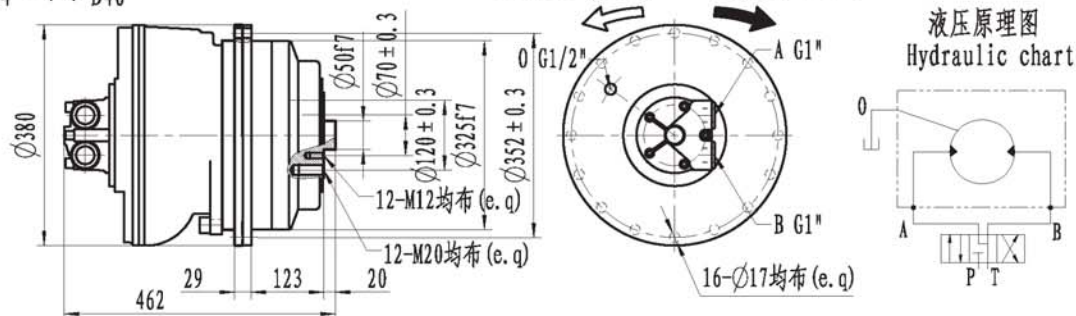
额定扭矩是系统压力 (16MPa、20MPa) 下考虑压力损失 2MPa 和传动效率后的实际扭矩；

Note: Total displacement is determined by hydraulic motor displacement multiplies transmission ratio of planetary gearbox.

Rated torque is the output torque considering pressures lose of 2MPa and transmission efficiency when the system pressure is 16MPa or 20MPa.

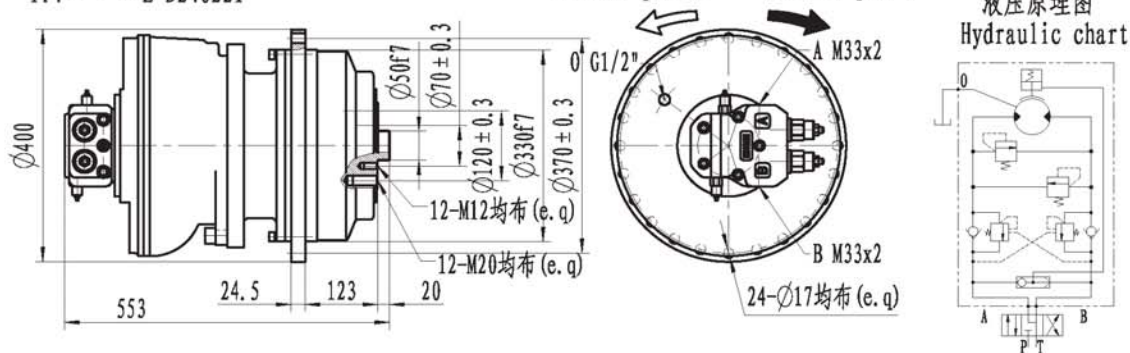
(一)、无制动器 Without brake

IY4 - * * D40



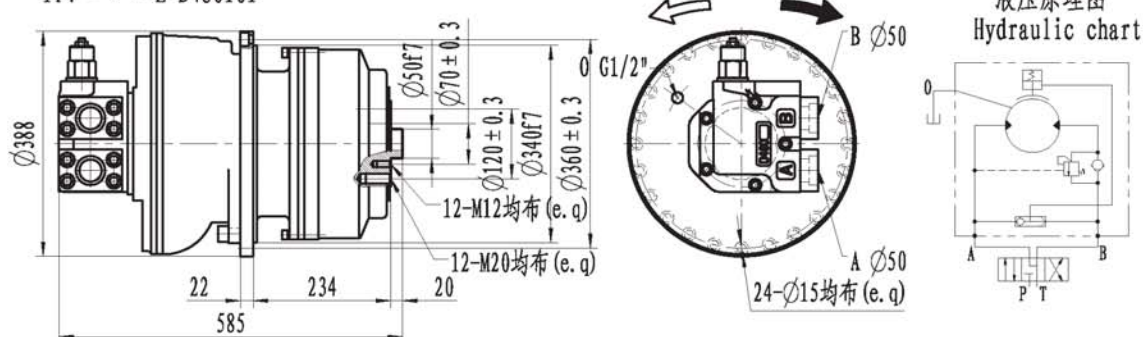
(二)、带制动器(式1) With brake (Type 1)

IY4 - * * Z D240221

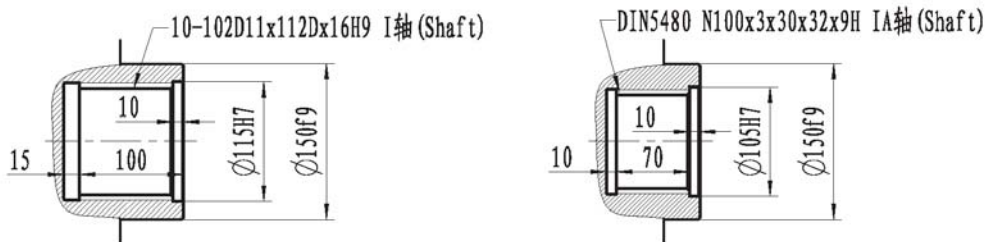
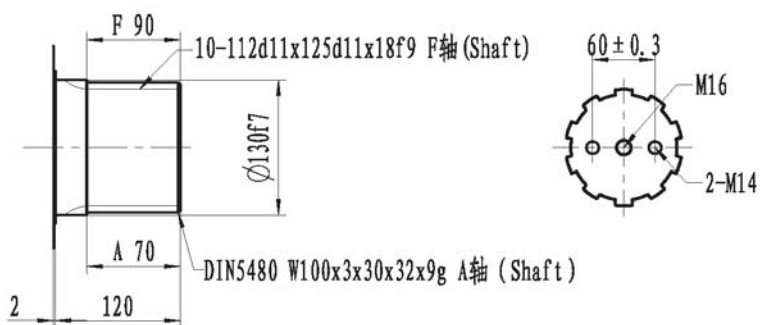
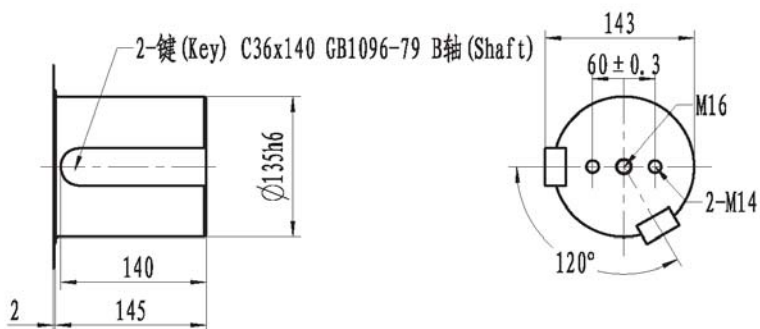


(三)、带制动器(式2) With brake (Type 2)

IY4 - * * Z D480101



IY4 系列输出轴尺寸:
IY4 Series shaft dimensions:



注: 外形联接尺寸及输出轴有特殊要求, 请与我们直接联系
Note: Please contact us if there are any requirements from customer

IY5 系列液压传动装置

IY5 Hydraulic transmission dives

型号 Model	总排量 (ml/rev) Total displacement	额定扭矩 (N.m) Rated torque		转速范围 (r/min) Speed	液压马达型号 Motor model	行星减速器型号 Gearbox model	制动器型号 Brake	可选配流器型号 Distributor
		16 MPa	20 MPa					
IY5-7200 ***	7154	13675	17698	0.5~40	INM4-900	C5 (i=7)	Z55	D240***
IY5-7800 ***	7812	15031	19325	0.5~32	INM4-1100			D480***
IY5-9200 ***	9212	19384	24922	0.5~25	INM4-1300			D90, D90F480***

注: 总排量为液压马达排量乘以减速器传动比;

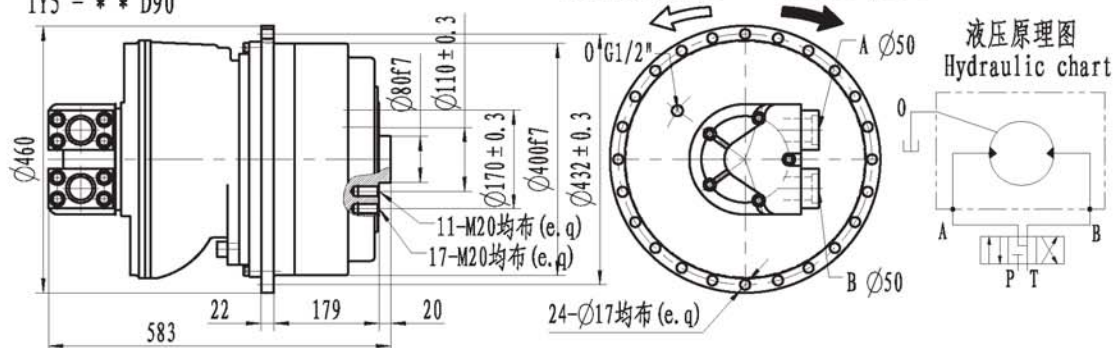
额定扭矩是系统压力 (16MPa、20MPa) 下考虑压力损失 2MPa 和传动效率后的实际扭矩;

Note: Total displacement is determined by hydraulic motor displacement multiplies transmission ratio of planetary gearbox.

Rated torque is the output torque considering pressures lose of 2MPa and transmission efficiency when the system pressure is 16MPa or 20MPa.

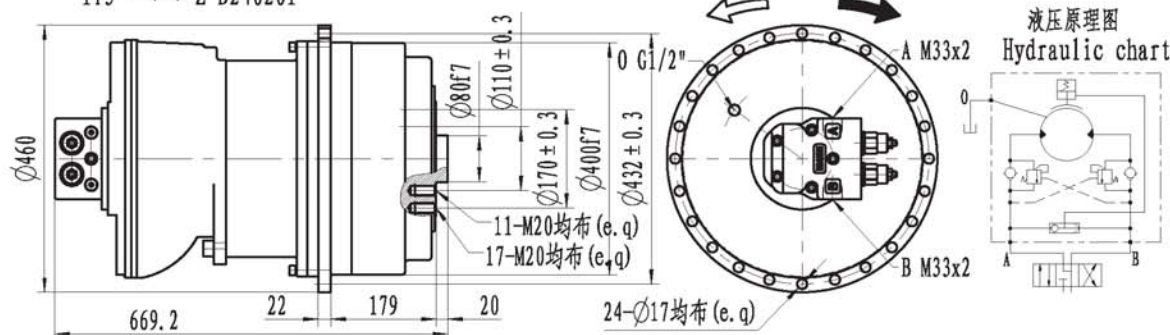
(一)、无制动器 Without brake

IY5 - ** D90



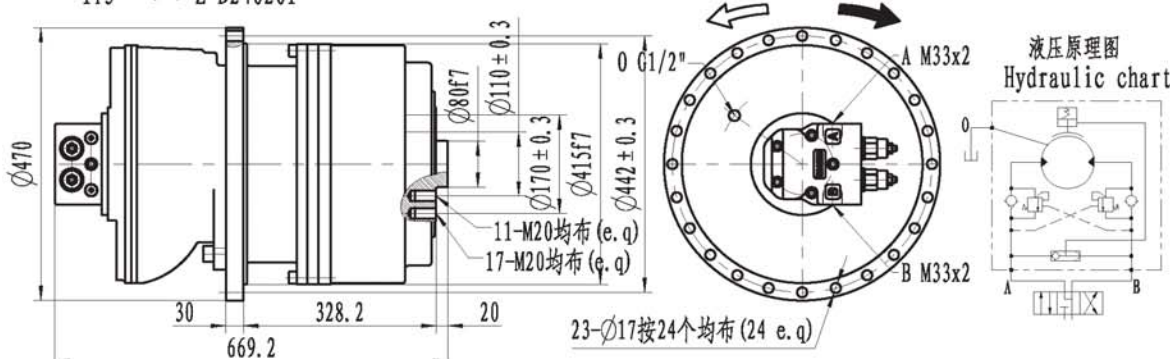
(二)、带制动器 (式1) With brake (Type 1)

IY5 - ** Z D240201



(三)、带制动器 (式2) With brake (Type 2)

IY5 - ** Z D240201



IY5系列液压传动装置

IY5 Hydraulic transmission dives

型号 Model	总排量 (ml/rev) Total displacement	额定扭矩 (N.m) Rated torque		转速范围 (r/min) Speed	液压马达型号 Motor model	行星减速器型号 Gearbox model	制动器型号 Brake	可选配流器型号 Distributor
		16 MPa	20 MPa					
IY5-10000 ***	9988	20029	25752	0.5~20	INM5-1800	CSD (i=5.5)	Z55	D240***
IY5-11000 ***	11038.5	22136	28460	0.5~15	INM5-2000			D480*** D90, D90R480***

注：总排量为液压马达排量乘以减速器传动比；

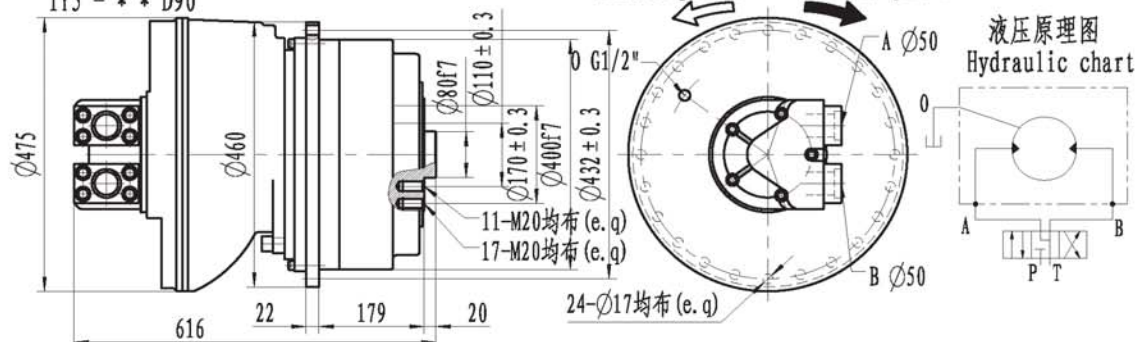
额定扭矩是系统压力 (16MPa、20MPa) 下考虑压力损失2MPa和传动效率后的实际扭矩；

Note: Total displacement is determined by hydraulic motor displacement multiplies transmission ratio of planetary gearbox.

Rated torque is the output torque considering pressures lose of 2MPa and transmission efficiency when the system pressure is 16MPa or 20MPa.

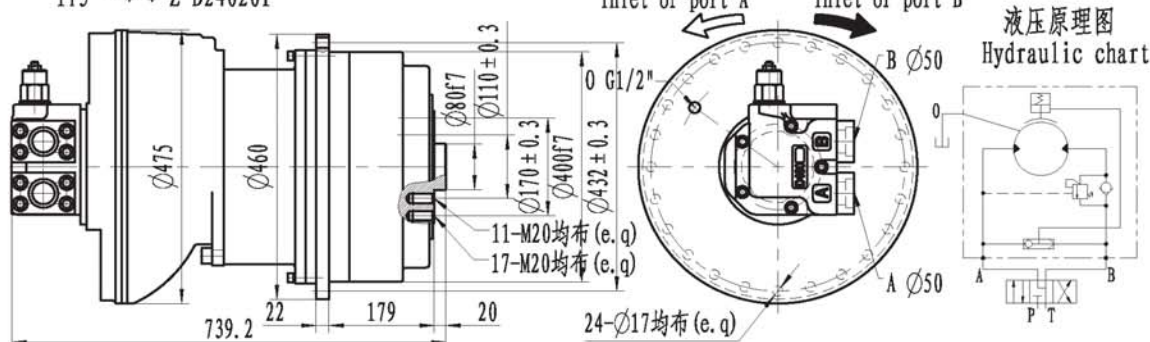
(一)、无制动器 Without brake

IY5 - ** D90



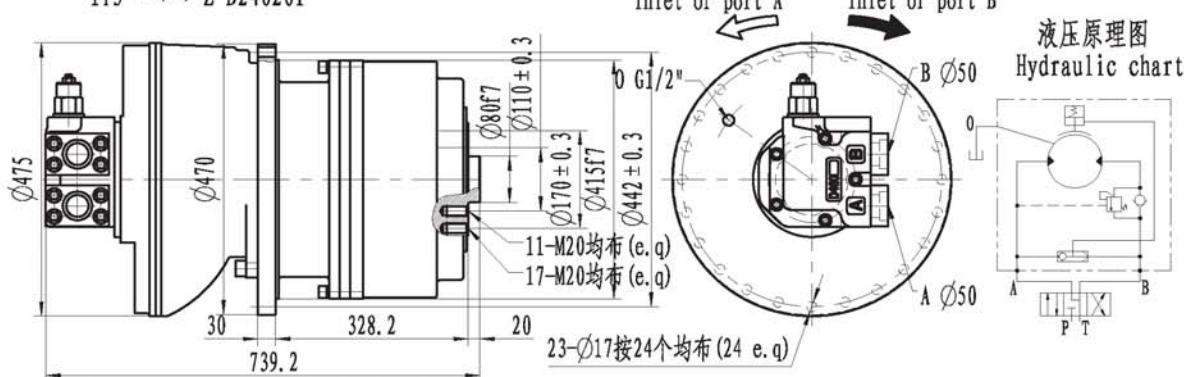
(二)、带制动器(式1) With brake (Type 1)

IY5 - ** Z D240201

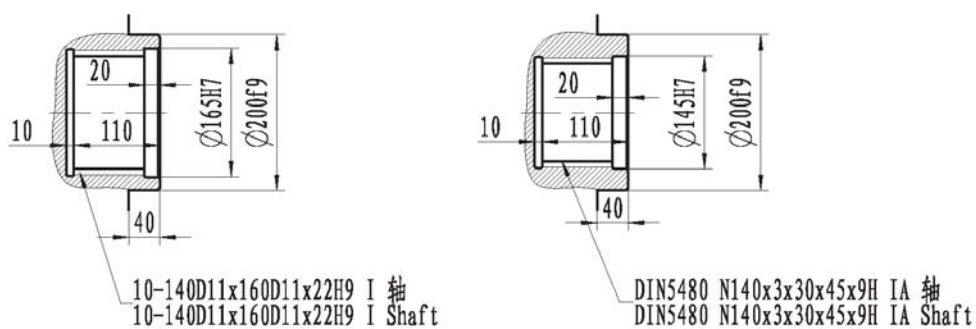
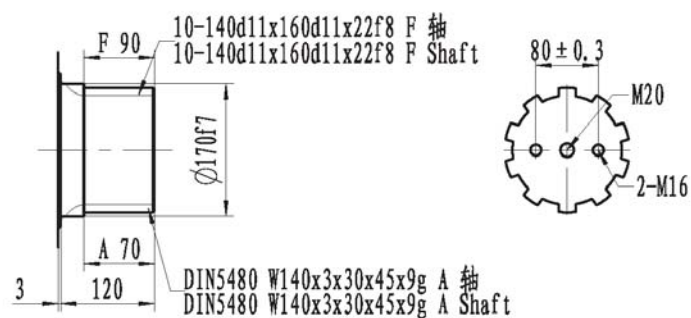
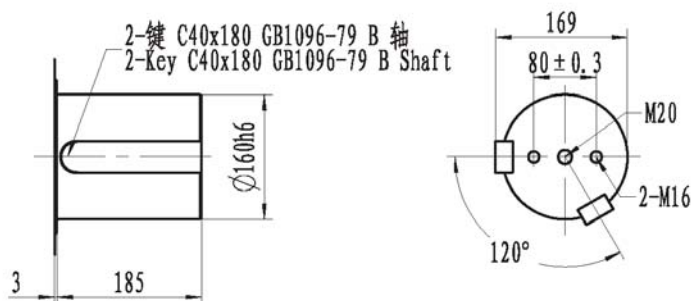


(三)、带制动器(式2) With brake (Type 2)

IY5 - ** Z D240201



IY5 系列输出轴尺寸:
IY5 Series shaft dimensions:



注: 外形联接尺寸及输出轴有特殊要求, 请与我们直接联系
Note: Please contact us if there are any requirements from customer

IY6 系列液压传动装置

IY6 Hydraulic transmission dives

型号 Model	总排量 (ml/rev) Total displacement	额定扭矩 (N.m) Rated torque		转速范围 (r/min) Speed	液压马达型号 Motor model	行星减速器型号 Gearbox model	制动器型号 Brake	可选配流器型号 Distributor
		16 MPa	20 MPa					
IY6-14800 ***	14889	28647	36832	0.5~32	INM6-2100	C6 (i=7)	Z66	D90, D480101
IY6-17600 ***	17591	33846	43517	0.5~25	INM6-2500			D90F480***
IY6-21300 ***	21287	40958	/	0.5~20	INM6-3000			D90F720***

注：总排量为液压马达排量乘以减速器传动比；

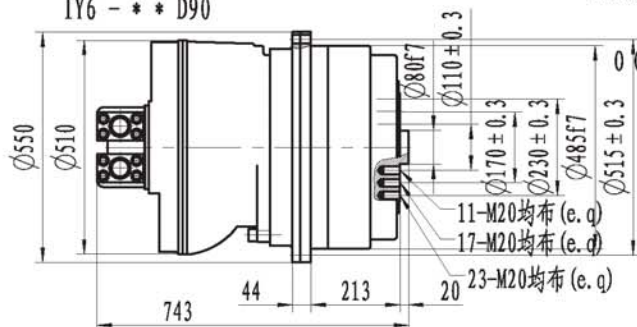
额定扭矩是系统压力 (16MPa、20MPa) 下考虑压力损失 2MPa 和传动效率后的实际扭矩；

Note: Total displacement is determined by hydraulic motor displacement multiplies transmission ratio of planetary gearbox.

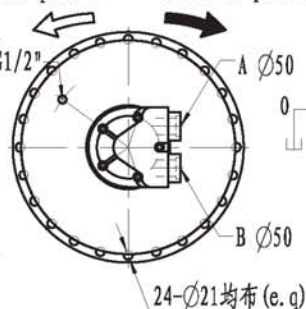
Rated torque is the output torque considering pressures lose of 2MPa and transmission efficiency when the system pressure is 16MPa or 20MPa.

(一)、无制动器 Without brake

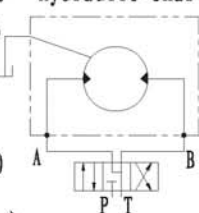
IY6 - ** D90



A口进油 Inlet of port A
B口进油 Inlet of port B

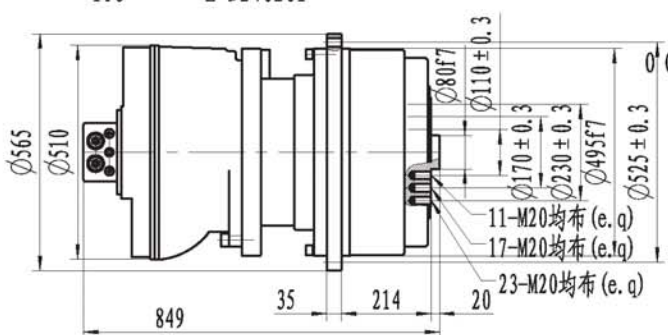


液压原理图
Hydraulic chart

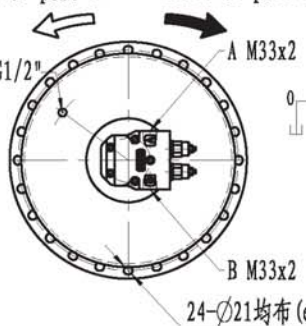


(二)、带制动器 (式1) With brake (Type 1)

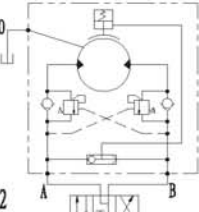
IY6 - ** Z D240201



A口进油 Inlet of port A
B口进油 Inlet of port B

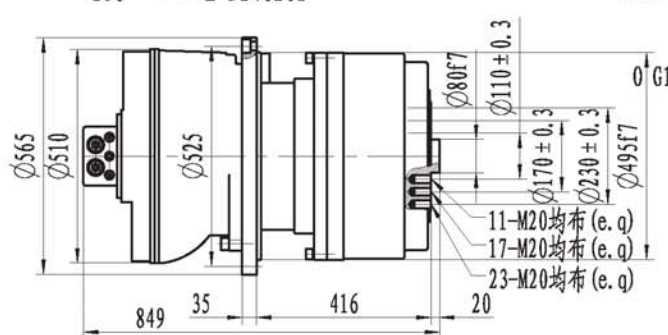


液压原理图
Hydraulic chart

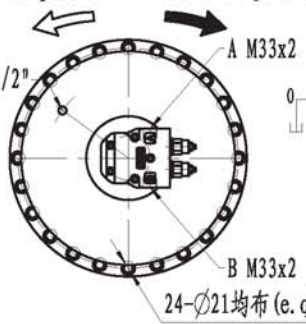


(三)、带制动器 (式2) With brake (Type 2)

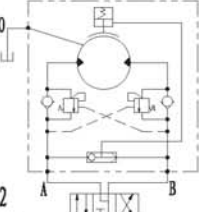
IY6 - ** Z D240201



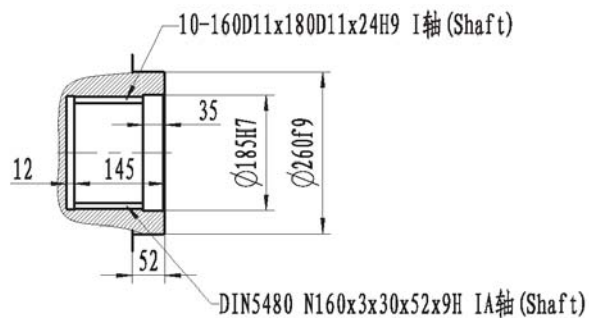
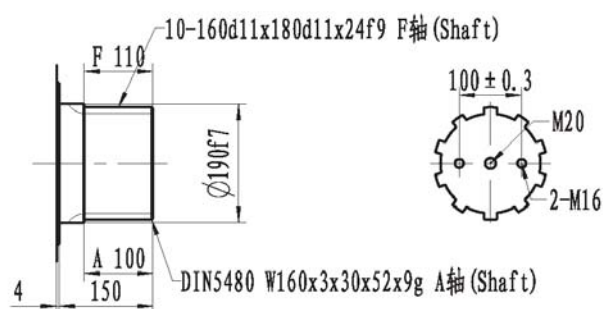
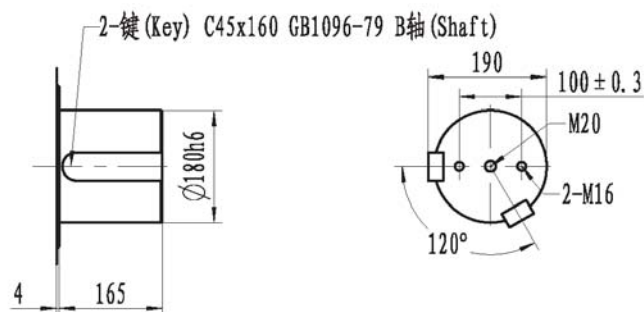
A口进油 Inlet of port A
B口进油 Inlet of port B



液压原理图
Hydraulic chart



IY6 系列输出轴尺寸:
IY6 Series shaft dimensions:



注: 外形联接尺寸及输出轴有特殊要求, 请与我们直接联系
Note: Please contact us if there are any requirements from customer

IY7 系列液压传动装置

IY7 Hydraulic transmission dives

型 号 Model	总排量(ml/rev) Total displacement	额定扭矩(N.m) Rated torque		转速范围 (r/min) Speed	液压马达型号 Motor model	行星减速器型号 Gearbox model	可选配流量器型号 Distributor
		16 MPa	20 MPa				
IY7-18000 * * *	17650	35394	45507	0.5~40	IHM31-3500	C7A (i=5)	D90 D250 D240*** D480***
IY7-20000 * * *	20060	40227	51720	0.5~32	IHM31-4000		
IY7-25000 * * *	24940	50013	64303	0.5~30	IHM31-5000		
IY7-27500 * * *	27434	55014	70733	0.5~25	IHM31-5000	C7D (i=5.5)	
IY7-29200 * * *	29199.5	56182	72234	0.5~20	IHM31-5500		
IY7-33800 * * *	33869	65166	83785	0.5~16	IHM31-6300		

注：总排量为液压马达排量乘以减速器传动比；

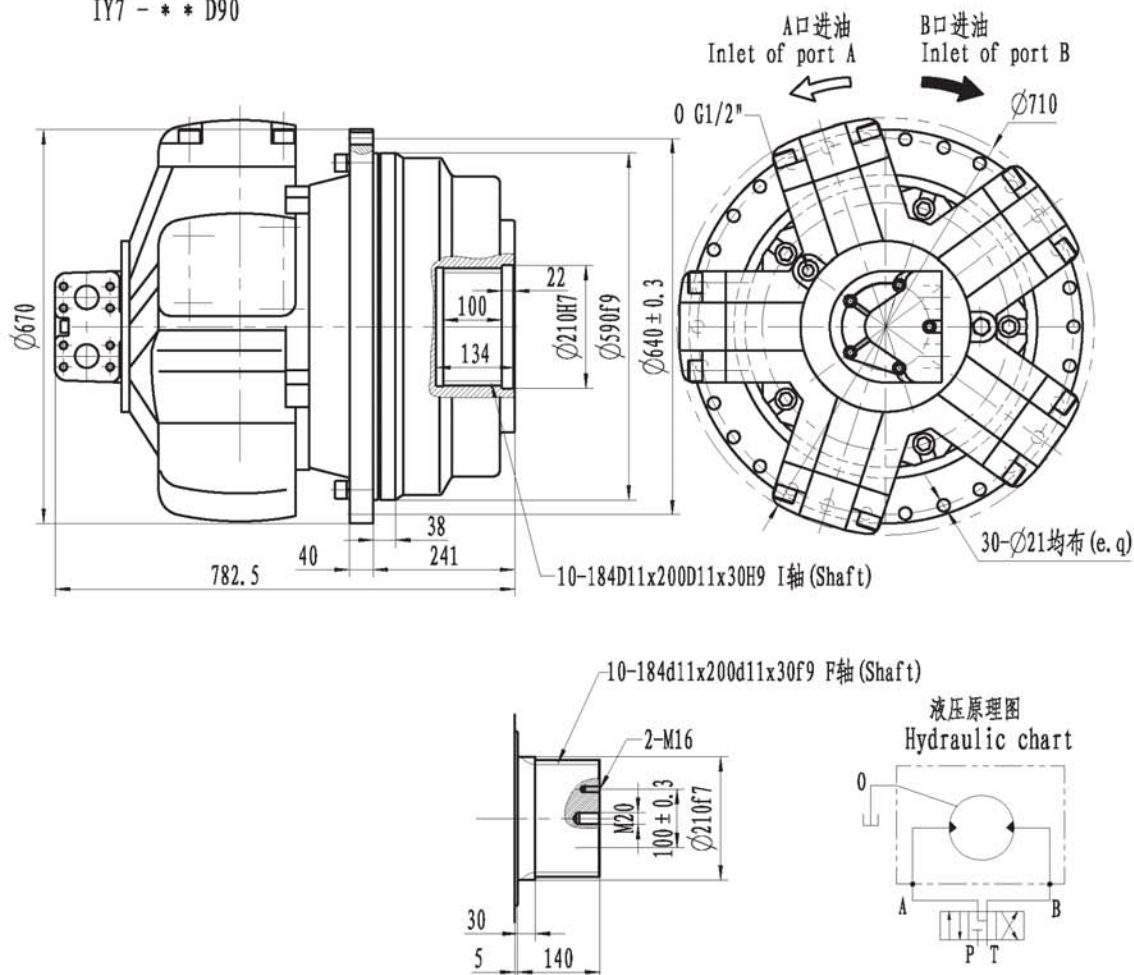
额定扭矩是系统压力 (16MPa、20MPa) 下考虑压力损失 2MPa 和传动效率后的实际扭矩；

Note: Total displacement is determined by hydraulic motor displacement multiplies transmission ratio of planetary gearbox.

Rated torque is the output torque considering pressures lose of 2MPa and transmission efficiency when the system pressure is 16Mpa or 20Mpa.

(一)、无制动器 Without brake

IY7 - ** D90



注：外形联接尺寸及输出轴有特殊要求，请与我们直接联系

Note: Please contact us if there are any requirements from customer

IY2.53 系列液压传动装置

IY2.53 Hydraulic transmission dives

型号 Model	总排量 (ml/rev) Total displacement	额定扭矩 (N.m) Rated torque		转速范围 (r/min) Speed	液压马达型号 Motor model	行星减速器型号 Gearbox model	制动器型号 Brake	可选配流器型号 Distributor
		16 MPa	20 MPa					
IY2.53-2400 ***	2408	4500	6000	0.25 ~ 30	INM05-90	C2.53 (i=28)	Z05	D31, D60*** D40, D120*** D47, D240***
IY2.53-3200 ***	3220	6000	8000	0.25 ~ 25	INM05-110			
IY2.53-4200 ***	4228	8000	/	0.25 ~ 20	INM05-150			

注：总排量为液压马达排量乘以减速器传动比；

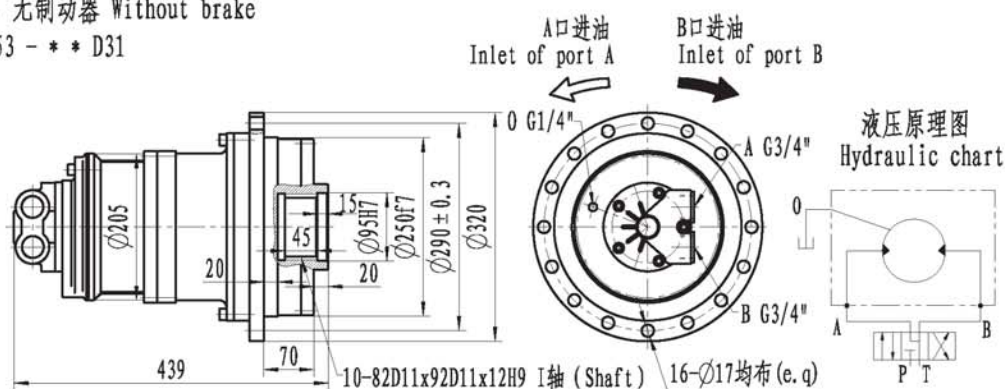
额定扭矩是系统压力 (16MPa、20MPa) 下考虑压力损失 2MPa 和传动效率后的实际扭矩；

Note: Total displacement is determined by hydraulic motor displacement multiplies transmission ratio of planetary gearbox.

Rated torque is the output torque considering pressures lose of 2MPa and transmission efficiency when the system pressure is 16Mpa or 20Mpa.

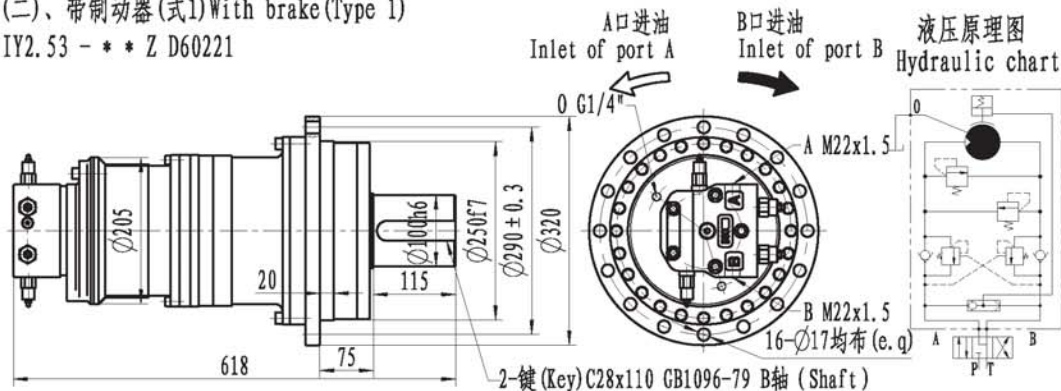
(一)、无制动器 Without brake

IY2.53 - * * D31



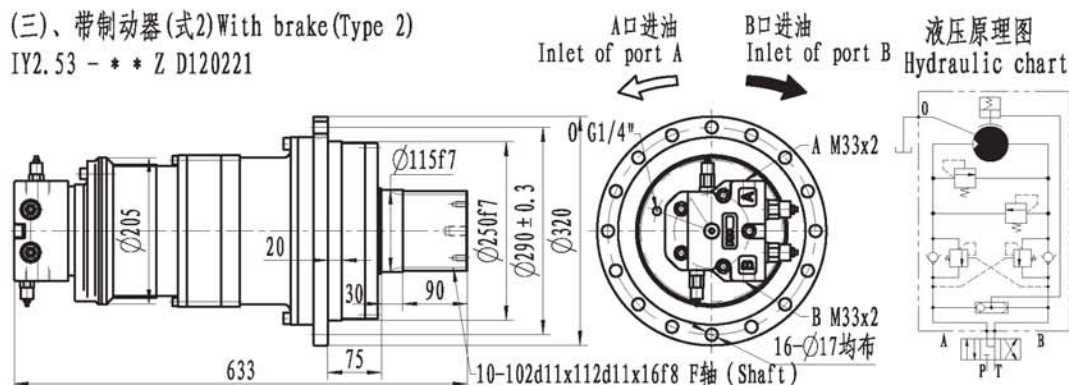
(二)、带制动器(式1) With brake (Type 1)

IY2.53 - * * Z D60221



(三)、带制动器(式2) With brake (Type 2)

IY2.53 - * * Z D120221



IY34 系列液压传动装置

IY34 Hydraulic transmission dives

型号 Model	总排量 (ml/rev) Total displacement	额定扭矩 (N.m) Rated torque		转速范围 (r/min) Speed	液压马达型号 Motor model	行星减速器型号 Gearbox model	制动器型号 Brake	可选配流器型号 Distributor
		16 MPa	20 MPa					
IY34-4300 ***	4312	8638	11100	0.2~16	INM1-150	C34 (i=28)	Z13	D40 D60*** D120*** D240***
IY34-5600 ***	5628	11275	14500		INM1-200			
IY34-6800 ***	6804	13630	17525	0.2~10	INM1-250			
IY34-8800 ***	8792	17600	/		INM1-320			

注：总排量为液压马达排量乘以减速器传动比；

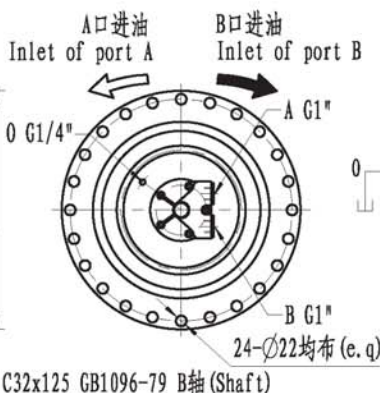
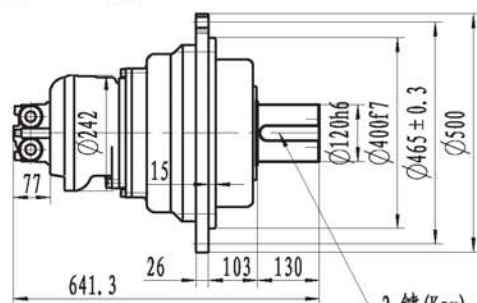
额定扭矩是系统压力 (16MPa、20MPa) 下考虑压力损失 2MPa 和传动效率后的实际扭矩；

Note: Total displacement is determined by hydraulic motor displacement multiplies transmission ratio of planetary gearbox.

Rated torque is the output torque considering pressures lose of 2MPa and transmission efficiency when the system pressure is 16MPa or 20MPa.

(一)、无制动器 Without brake

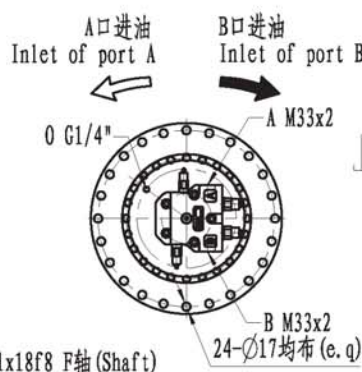
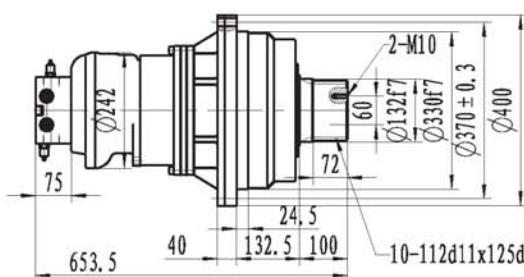
IY34 - ** D40



液压原理图
Hydraulic chart

(二)、带制动器 (式1) With brake (Type 1)

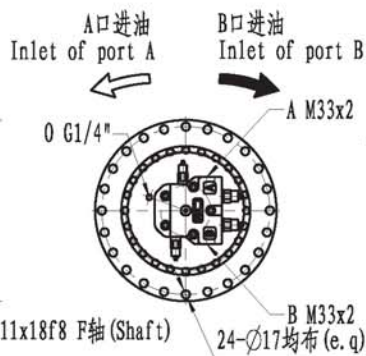
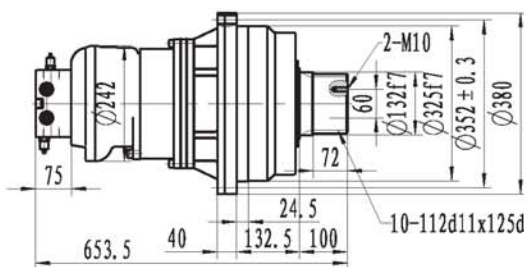
IY34 - ** Z D120221



液压原理图
Hydraulic chart

(三)、带制动器 (式2) With brake (Type 2)

IY34 - ** Z D120221



液压原理图
Hydraulic chart

IY45 系列液压传动装置

IY45 Hydraulic transmission dives

型号 Model	总排量(ml/rev) Total displacement	额定扭矩(N.m) Rated torque		转速范围 (r/min) Speed	液压马达型号 Motor model	行星减速器型号 Gearbox model	制动器型号 Brake	可选配流器型号 Distributor
		16 MPa	20 MPa					
IY45-11900 ***	11928	23000	29000	0.2~15	INM3-425	C45 (i=28)	Z34	D47
IY45-13600 ***	13608	25000	33000		INM3-500			D90
IY45-16600 ***	16660	32000	38000	0.2~10	INM3-600			D240***

注：总排量为液压马达排量乘以减速器传动比；

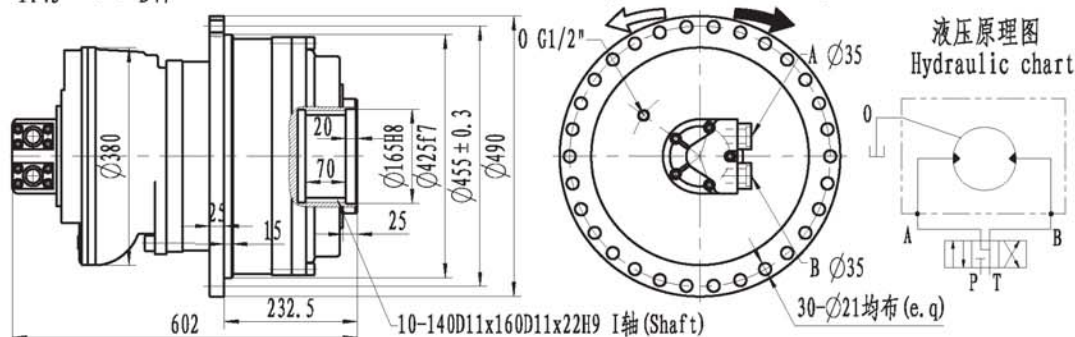
额定扭矩是系统压力（16MPa、20MPa）下考虑压力损失和传动效率后的实际扭矩；

Note: Total displacement is determined by hydraulic motor displacement multiplies transmission ratio of planetary gearbox.

Rated torque is the output torque considering pressures lose of 2MPa and transmission efficiency when the system pressure is 16Mpa or 20Mpa.

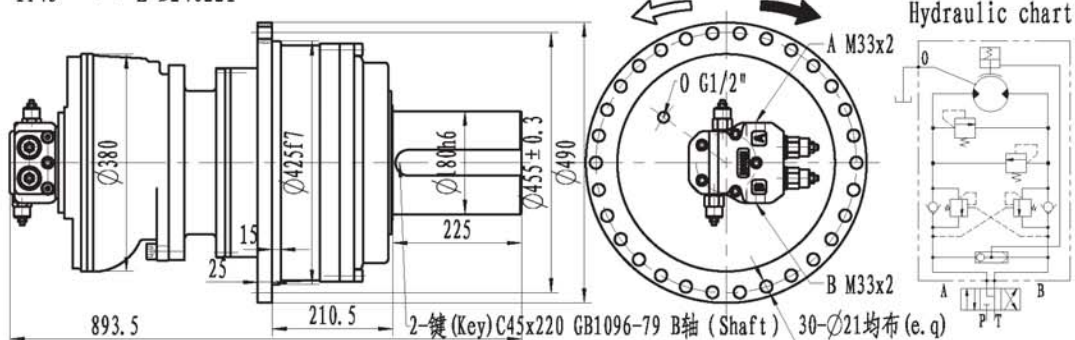
(一)、无制动器 Without brake

IY45 - ** D47



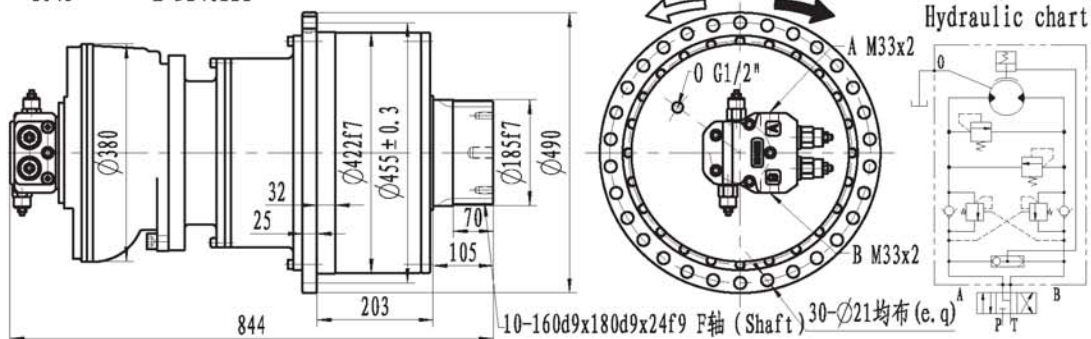
(二)、带制动器(式1) With brake (Type 1)

IY45 - ** Z D240221



(三)、带制动器(式2) With brake (Type 2)

IY45 - ** Z D240221



IY56 系列液压传动装置

IY56 Hydraulic transmission dives

型号 Model	总排量(ml/rev) Total displacement	额定扭矩(N.m) Rated torque		转速范围 (r/min) Speed	液压马达型号 Motor model	行星减速器型号 Gearbox model	制动器型号 Brake	可选配流器型号 Distributor
		16 MPa	20 MPa					
IY56-24400 ***	24444	46000	60000	0.2~8	INM3-900	C56(i=28)	Z45	D90 D120*** D240***
IY56-28600 ***	28616	54000	66000		INM4-1000			
IY56-31200 ***	31248	63000	/		INM4-1100			

注：总排量为液压马达排量乘以减速器传动比；

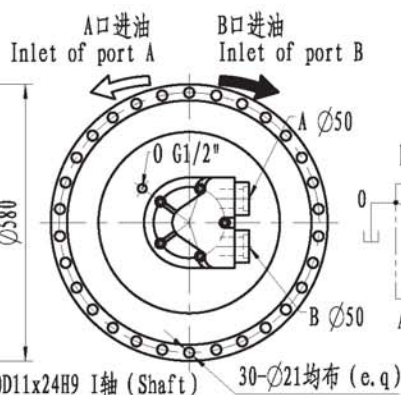
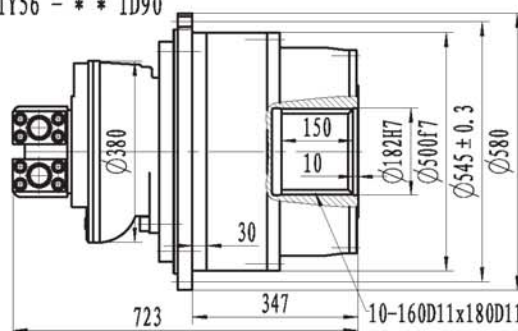
额定扭矩是系统压力(16MPa、20MPa)下考虑压力损失2MPa和传动效率后的实际扭矩；

Note: Total displacement is determined by hydraulic motor displacement multiplies transmission ratio of planetary gearbox.

Rated torque is the output torque considering pressures lose of 2MPa and transmission efficiency when the system pressure is 16MPa or 20MPa.

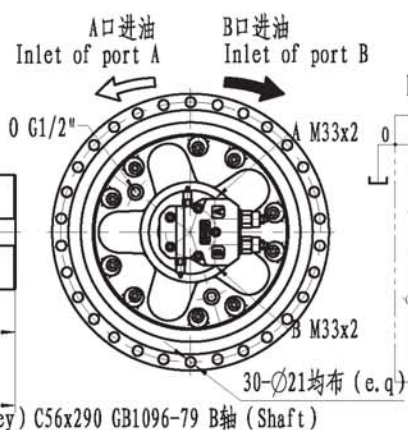
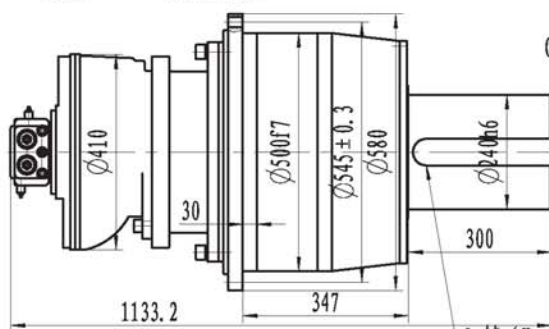
(一)、无制动器 Without brake

IY56 - ** ID90



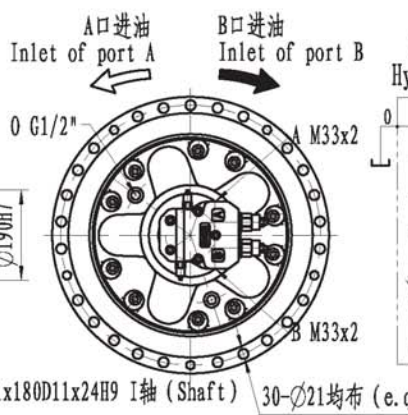
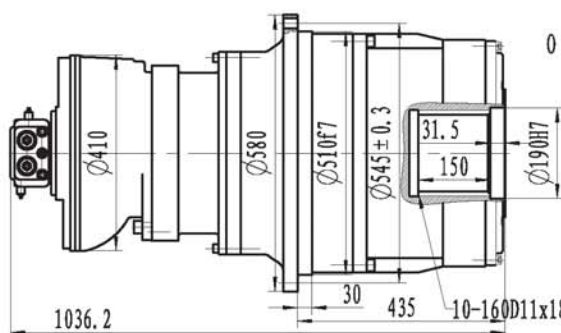
(二)、带制动器(式1) With brake (Type 1)

IY56 - ** BZD240221



(三)、带制动器(式2) With brake (Type 2)

IY56 - ** IZD240221



IY67系列液压传动装置

IY67 Hydraulic transmission dives

型号 Model	总排量 (ml/rev) Total displacement	额定扭矩 (N.m) Rated torque		转速范围 (r/min) Speed	液压马达型号 Motor model	行星减速器型号 Gearbox model	制动器型号 Brake	可选配流量型号 Distributor
		16 MPa	20 MPa					
IY67-36000 ***	35948	65000	80000	0.2~6	INM5-1600	C67 (i=22)	Z56	D90
IY67-40000 ***	39952	75000	90000		INM5-1800			D240***
IY67-46000 ***	46794	90000	/		INM6-2100			D480***

注: 总排量为液压马达排量乘以减速器传动比;

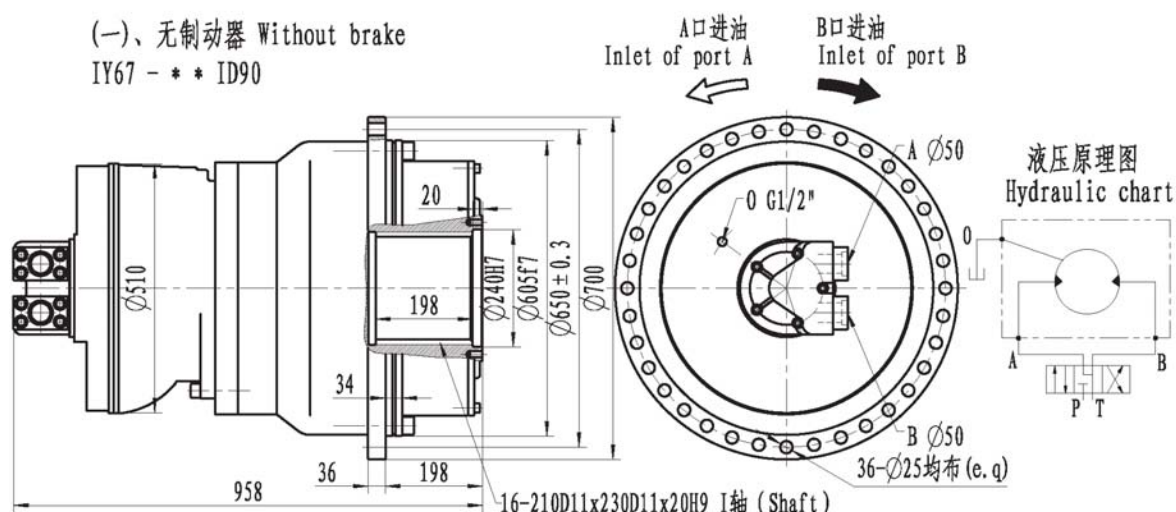
额定扭矩是系统压力 (16MPa、20MPa) 下考虑压力损失 2MPa 和传动效率后的实际扭矩;

Note: Total displacement is determined by hydraulic motor displacement multiplies transmission ratio of planetary gearbox.

Rated torque is the output torque considering pressures lose of 2MPa and transmission efficiency when the system pressure is 16MPa or 20MPa.

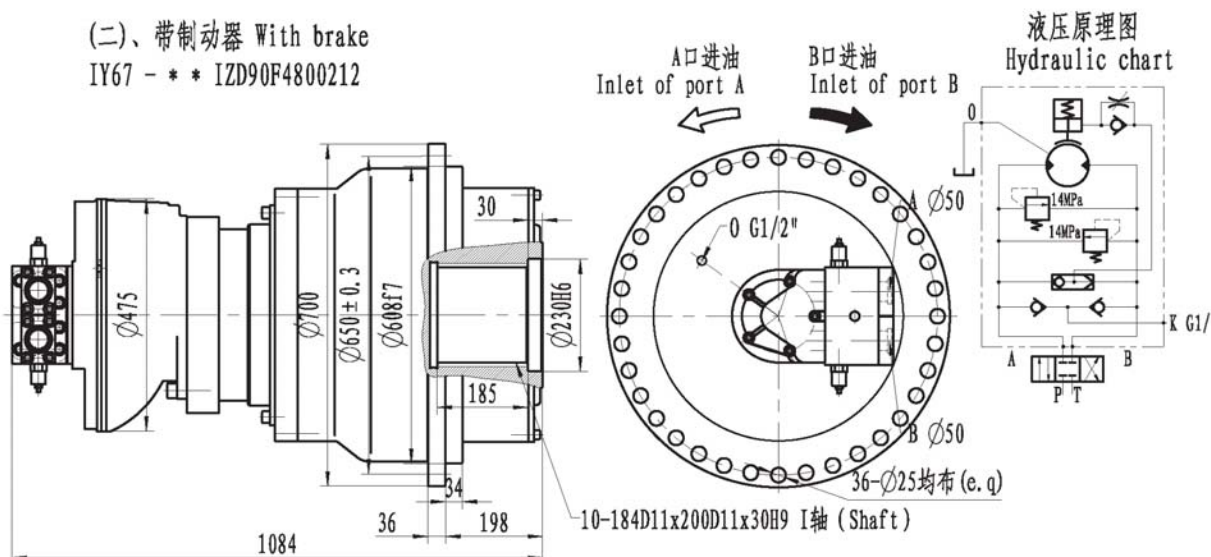
(一)、无制动器 Without brake

IY67 - ** ID90



(二)、带制动器 With brake

IY67 - ** IZD90F4800212



IY79系列液压传动装置

IY79 Hydraulic transmission dives

型号 Model	总排量 (ml/rev) Total displacement	额定扭矩 (N.m) Rated torque		转速范围 (r/min) Speed	液压马达型号 Motor model	行星减速器型号 Gearbox model	可选配流器型号 Distributor
		16 MPa	20 MPa				
IY79-55000 ***	55286	110867	142544	0.2~10	INM6-2500	C79 (i=22)	D90
IY79-67000 ***	66902	134162	172494	0.2~8	INM6-3000		D240***
IY79-80000 ***	77660	155735	200231	0.2~5	IHM31-3500		D480***

注：总排量为液压马达排量乘以减速器传动比；

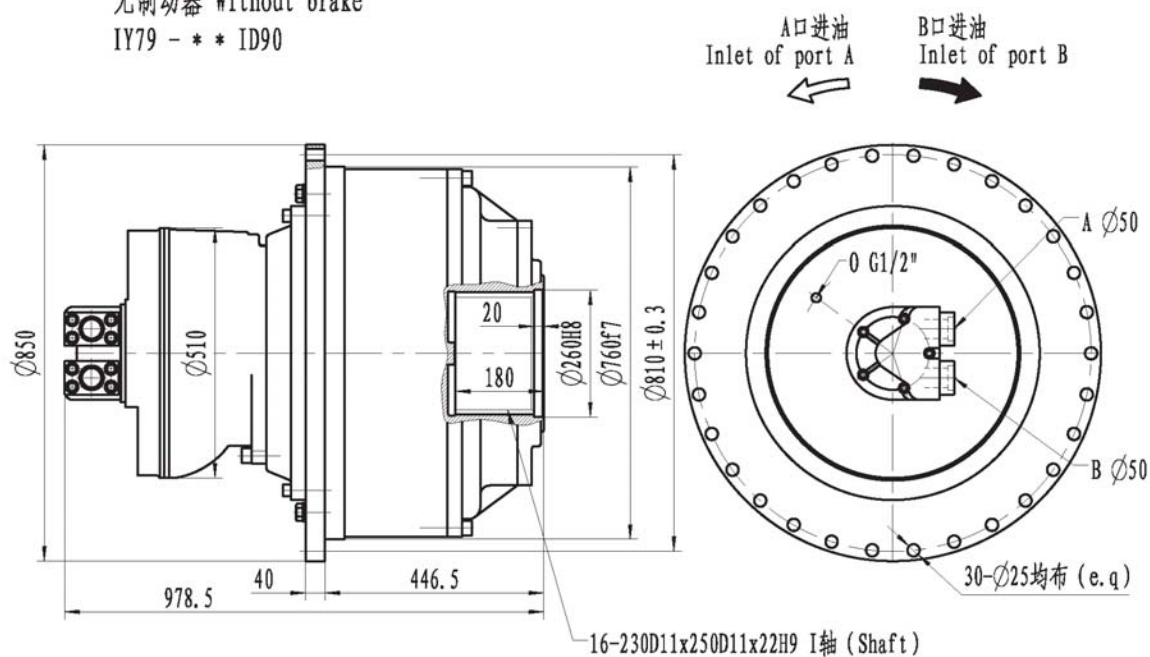
额定扭矩是系统压力（16MPa、20MPa）下考虑压力损失2MPa和传动效率后的实际扭矩；

Note: Total displacement is determined by hydraulic motor displacement multiplies transmission ratio of planetary gearbox.

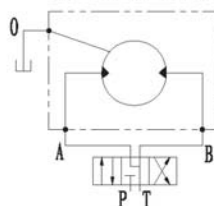
Rated torque is the output torque considering pressures lose of 2MPa and transmission efficiency when the system pressure is 16MPa or 20MPa.

无制动器 Without brake

IY79 - * * ID90

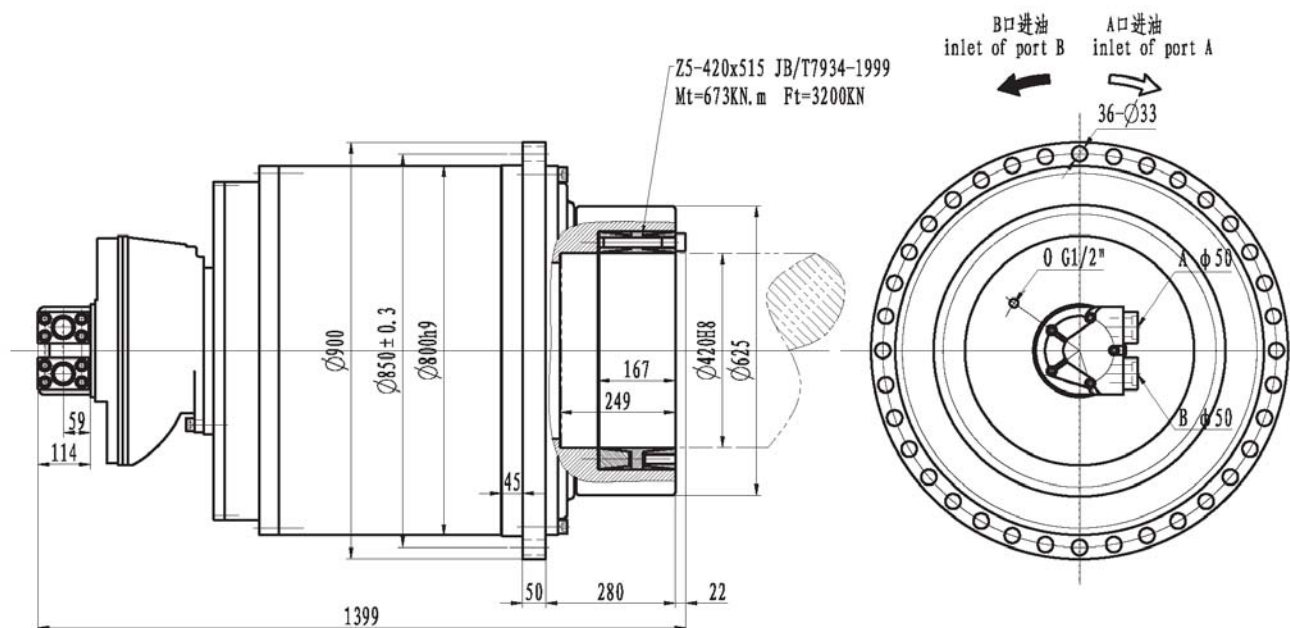


液压原理图
Hydraulic chart



IY61111-235000液压传动装置

IY61111-235000 Hydraulic transmission series



主要技术参数
Main Specification

额定扭矩	Rated torque (N.m)	550000
转速	Speed (r/min)	1
排量	Displacement (mL/r)	235125.7
系统额定压力	System rated pressure (Bar)	190
工作压力差	Work pres. diff. (Bar)	175
泵供油流量	Pump flow (L/min)	261 ($\eta_v=0.9$)
液压马达型号	Hydraulic motor type	INM5-1000D90
行星减速器型号	Planetary gearbox type	C61111 (i=226.3)

液压原理图
Hydraulic principle diagram

