

行走马达

TRAVELING MOTOR

上海毅源液压传动设备有限公司

Shanghai YIY Hydraulic Transmission Equipment Co., Ltd



COMPANY PROFILE

公司简介

上海毅源液压传动设备有限公司是一家专注于液压驱动领域研发和制造的创新型企业，在行星减速器、液压绞车的设计和生方面，我们拥有十多年的发展经验。上海毅源液压以技术研发为先锋，自主生产为动力，优质服务为保障，坚持走在行业前列。伴随国内近年来高速发展，国内液压件产品技术水平已无法满足市场发展需要，上海毅源液压定位制造高品质、低成本、差异化液压产品，通过对产品技术的持续升级，为今后发展奠定了坚实的基础。上海毅源液压传动生产的产品已在工程机械、勘矿机械、石油、船舶、冶金、煤矿、港口起重机械等行业广泛应用，并已出口到东南亚、澳大利亚、德国、非洲等国家和地区。

品质成本价格优势 / Quality cost price advantage

通过产品结构优化设计和系统化、标准化、模块化、自动化和精细化管理手段，同时控制和节约我们每一项不必要的开支，使生产经营方式有效降低各项制造费用，将节省下来的成本用于产品品质的全方位提升，产品不断创新，从而保证能以最低的价格为客户提供更优质的产品和服务。





创新引领市场 品质创造未来

Innovation leads the market quality create the future

企业愿景——让我们所有用户都能享受到进口的品质、国产的价格

企业战略——高品质、低成本、差异化

管理目标——注重细节、提高品质、降低成本

研发理念——探索市场需求、产品持续改进、满足客户需要

产品七大优势

Product Advantages Of Seven

- ◎ 稳定性、可靠性、安全性好
- ◎ 密封效果好、使用寿命长
- ◎ 有效控制生产成本和销售价格
- ◎ 相比同类产品体积相对较小、外形美观
- ◎ 加工精度高、噪音低、维护保养简单
- ◎ 完美替代国外同类产品、可互换安装使用
- ◎ 根据不同客户需要进行特殊设计制造





BKY2系列
行走马达



BKY2.52.5系列
行走马达



BKY33A系列
行走马达



BKY2.53A系列
行走马达



PKY2.53A系列
行走马达



PKY33系列
行走马达

部分配件展示



齿轮组



行星轮



行星架总成



高低速行星架



低速行星架



行星轮架



行星架



输出法兰



固定法兰



盖板



内齿轮盖板



活塞紧盖



支撑座



连接盘



制动器壳体



总成组件

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BKY系列履带（车轮）行走马达

BKY series tracked (wheel) traveling motor

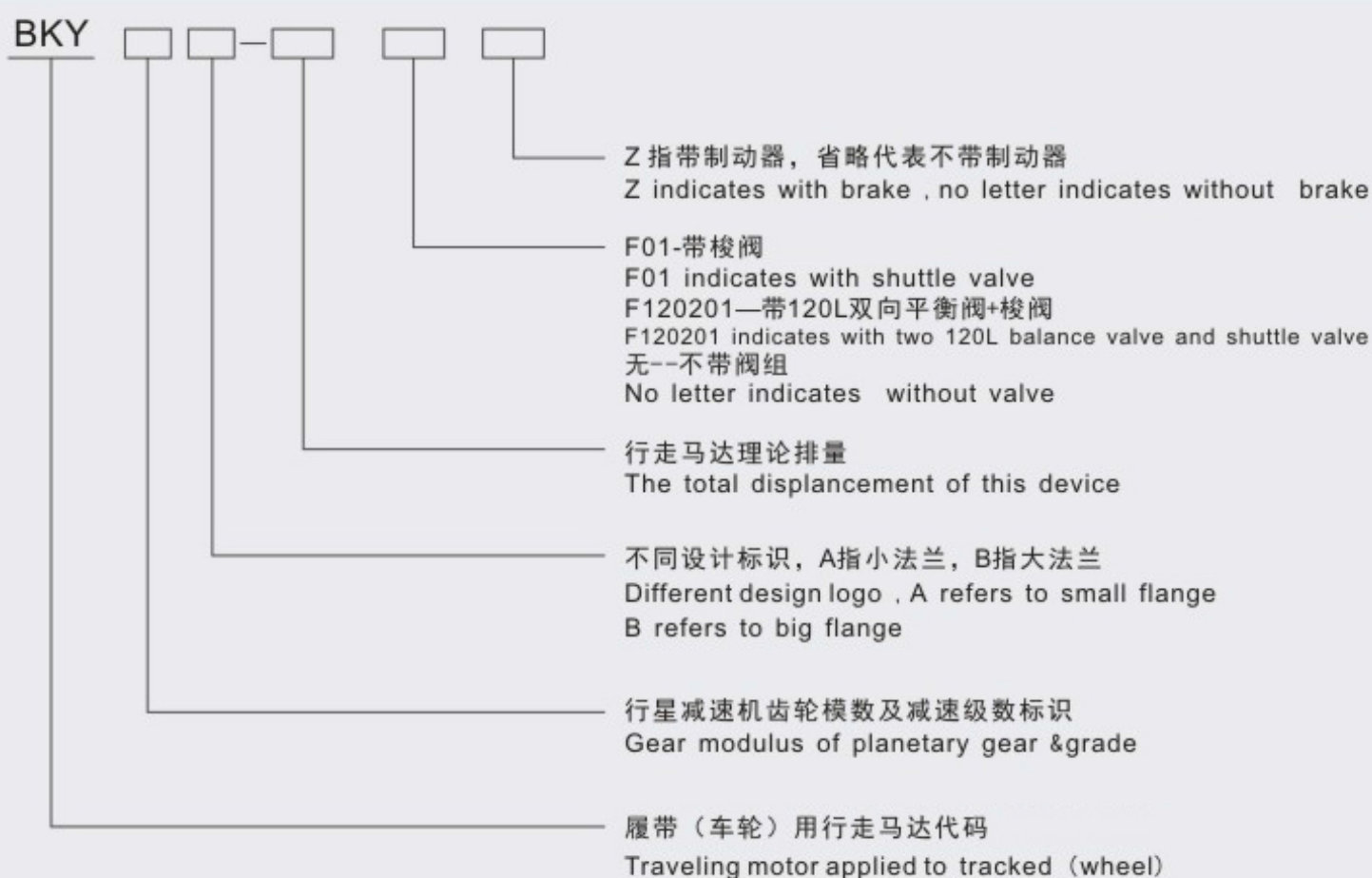
◆概述 Introduction

BKY 系列履带（车轮）行走马达由具有制动功能的阀组、摆线马达、制动器、一级或二级行星减速机组成。该设备工作、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。由于轴向尺寸小，可内藏于车轮或履带内，从而提高了行走机械的整机通过能力，且使整机的结构紧凑外形美观。该产品现已广泛运用于工程车辆、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。



BKY series traveling motor applied to tracked(wheel) is consisted of valve bank with brake function, hydraulic motor,brake, one or two stage planetary gearbox. The equipment is high efficient in working and starting, and reliable for working. The output depends on the rotational of the shell, can be directly connected to wheel or crawler drive sprocket. Due to the small axial size, it can hide into the wheel or track, consequently, The mobile machine 's through capacity of machine is improved . And it also make a compact structure beautiful shape for the whole machine. The product now is widely used for transmission devices of tracked (wheel) in such equipment as engineering vehicle, tracked excavator , horizontal drilling rig, down-hole drill, railway vehicles, entry-driving machine, mining rig ,rotary drilling rig etc.

◆型号说明 Specifications

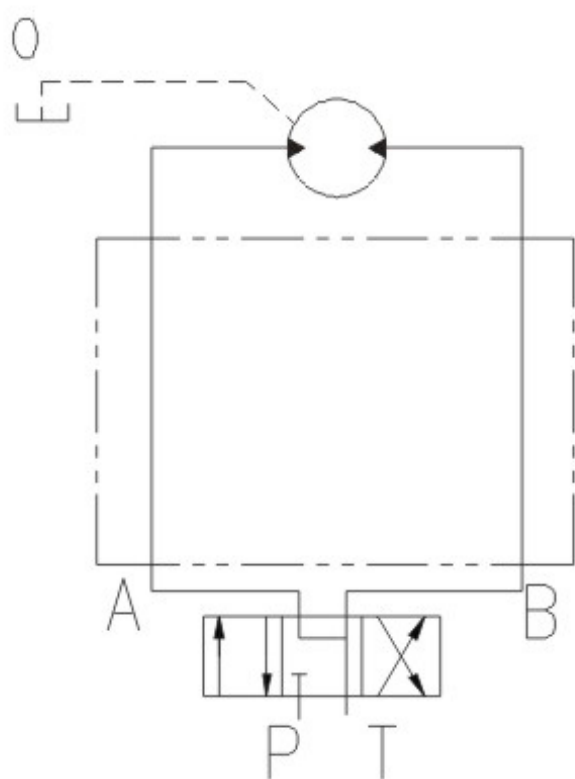


◆型号举例 Specification example

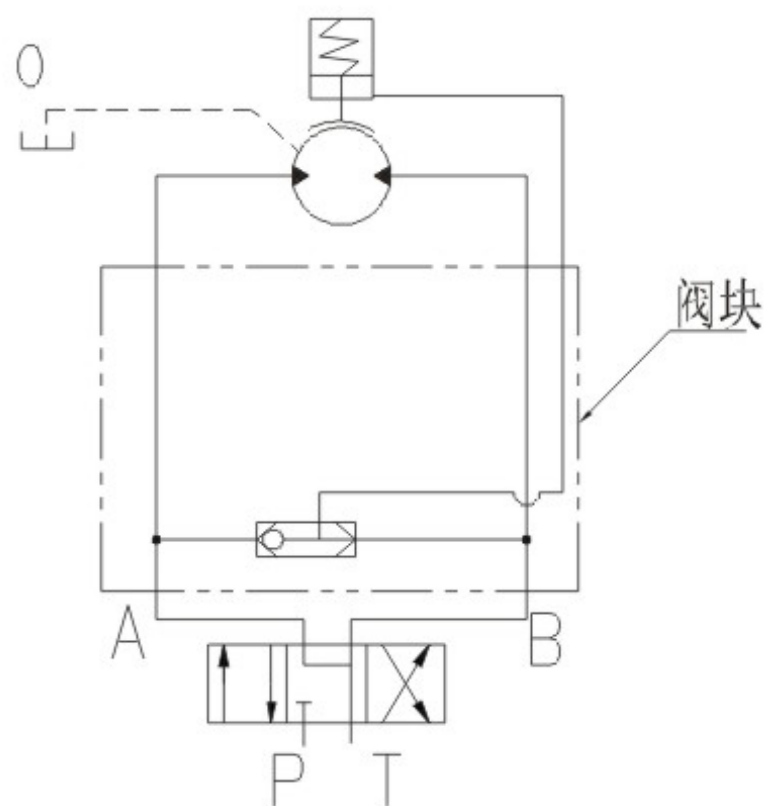
BKY33A-2150F01Z表示行走马达为二级减速，齿轮模数第一级为3mm, 第2级为3mm, A为小法兰输出，2150为行走马达的总排量，F01指马达带梭阀，带制动器。

BKY33A-2150F01Z indicates travel motor drives is double reduction , first stage of gear modulus is 3mm, second is 3mm, a indicates small flange output,2150 indicates displacement of travel motor,F01 indicates motor with shuttle valve& brake.

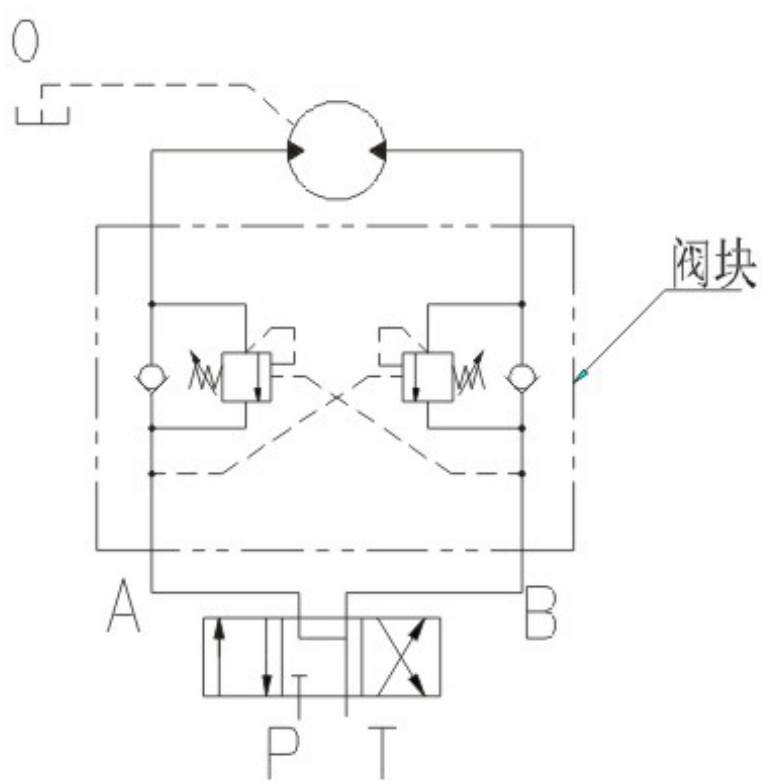
液压原理图 Hydraulic principle diagram



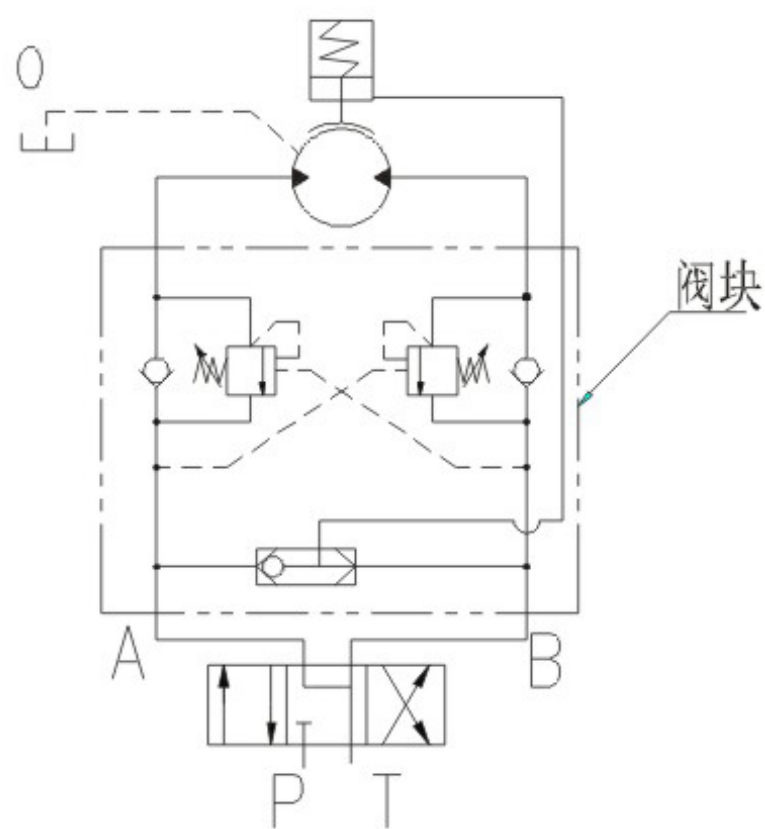
无制动器



梭阀+制动器



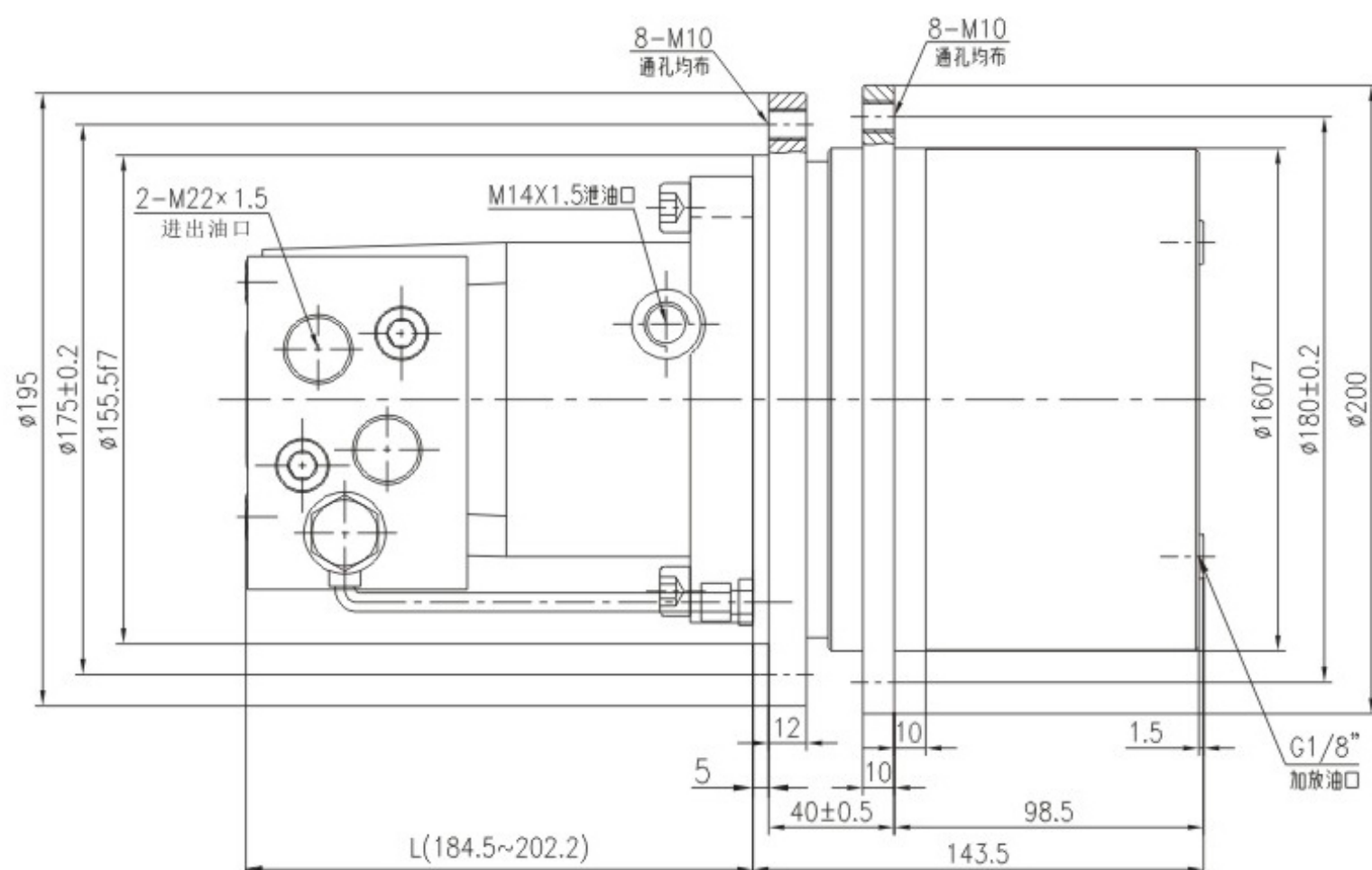
双向平衡阀



双向平衡阀+梭阀+制动器

BKY 2 系列 BKY 2 series

◆外形尺寸 Dimension

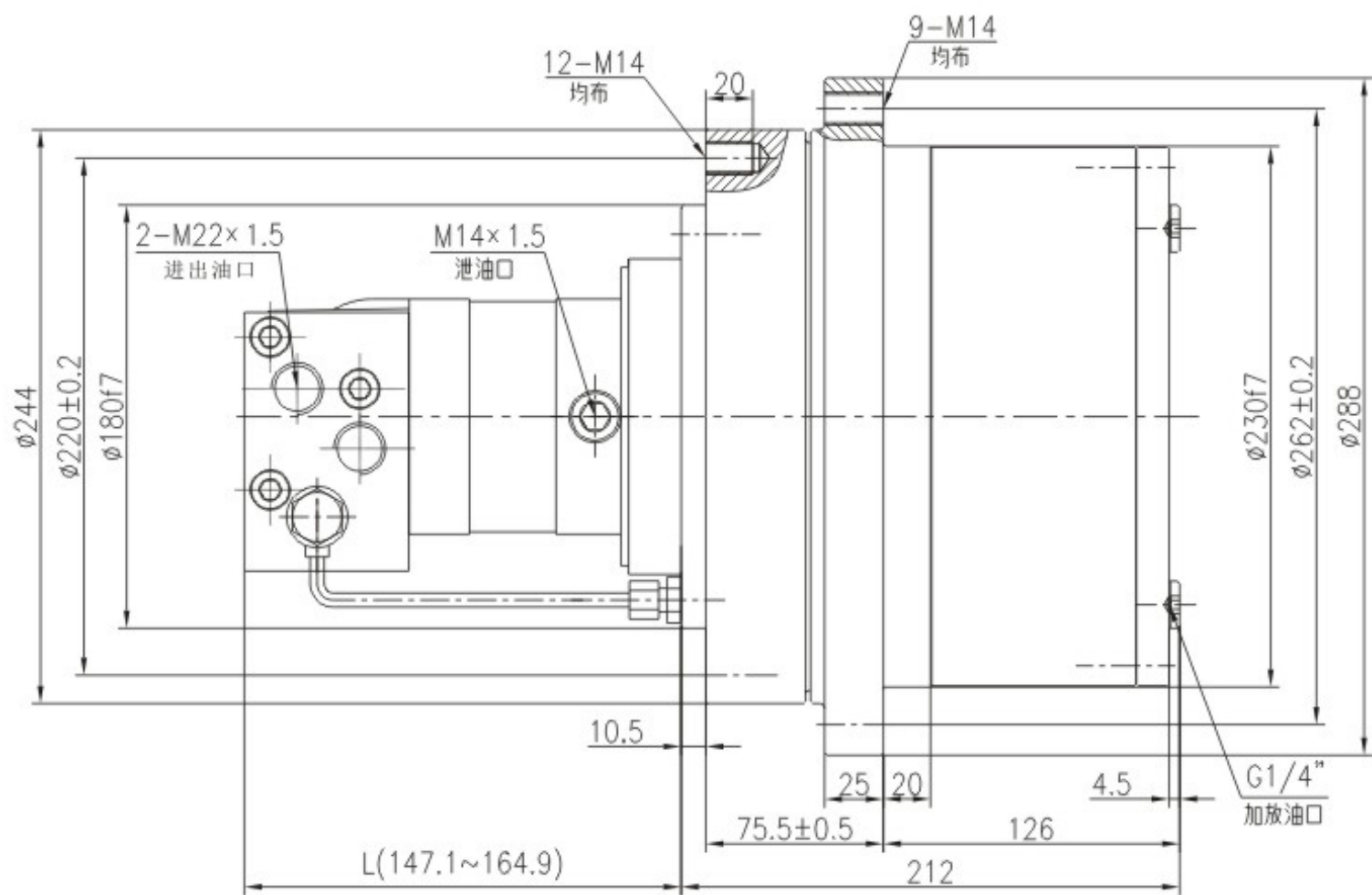


◆技术参数 Technical parameters

型号 Model	扭矩 (N. m) Torque		转速范围 (r/min) Speed	传动比 Reduction ratio	压力(Mpa) Pressure		总排量(ml/r) Total displacement	液压马达 Hydraulic motor		总重 (Kg) Gross weight	适用机重 Approx. weight of machine (T)
	额定 Rated	最高 Max.			额定 Rated	最高 Max.		型号 Model	排量(ml/r) Displacement		
BKY2-460F01Z	950	1200	3-138	5.75	16	21	463	BM5-80	80.5	28	0.5~0.8
BKY2-570F01Z	1100	1450	3-130	5.75	16	21	575	BM5-100	100	28	0.6~1.0
BKY2-715F01Z	1350	1700	3-110	5.75	16	21	722	BM5-125	125.7	28	1.0~1.3
BKY2-920F01Z	1750	2300	3-83	5.75	16	21	918	BM5-160	159.7	28	1.2~1.5
BKY2-1150F01Z	2200	3000	3-67	5.75	16	21	1150	BM5-200	200	28	1.5~2.5

BKY 2.5 系列 BKY 2.5 series

◆外形尺寸 Dimension



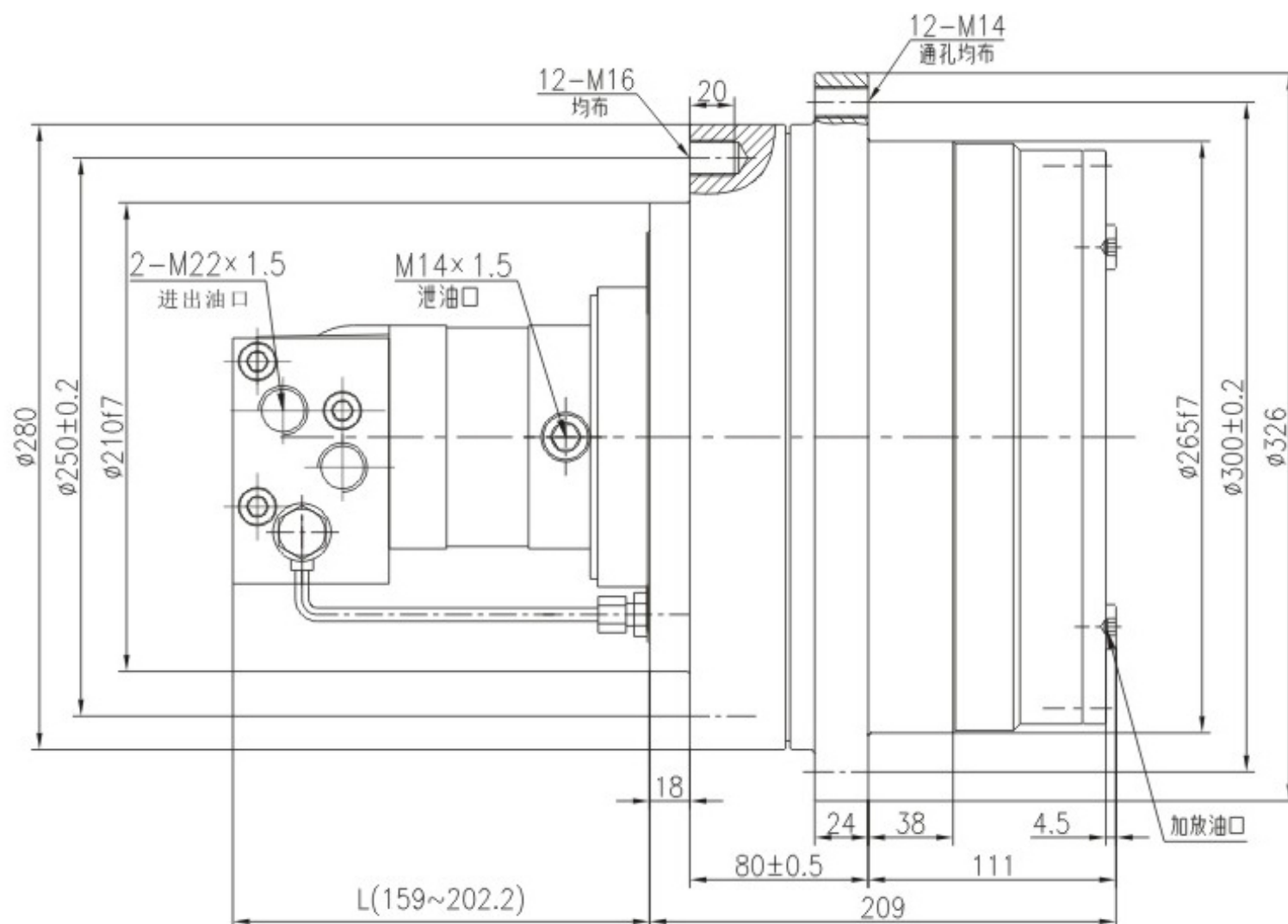
◆技术参数 Technical parameters

型号 Model	扭矩 (N. m) Torque		转速范围 (r/min) Speed	传动比 Reduction ratio	压力(Mpa) Pressure		总排量(ml/r) Total displacement	液压马达 Hydraulic motor		总重 (Kg) Gross weight	适用机重 Approx. weight of machine (T)
	额定 Rated	最高 Max.			额定 Rated	最高 Max.		型号 Model	排量(ml/r) Displacement		
BKY2.5-480F01Z	900	1150	3-133	6	16	21	483	BM5-80	80.5	55	0.5~0.8
BKY2.5-600F01Z	1150	1500	3-123	6	16	21	600	BM5-100	100	55	0.6~1.0
BKY2.5-750F01Z	1450	1800	3-105	6	16	21	754	BM5-125	125.7	55	1.0~1.8
BKY2.5-960F01Z	1850	2400	3-80	6	16	21	958	BM5-160	159.7	55	2.0~2.5
BKY2.5-1200F01Z	2300	3200	3-65	6	16	21	1200	BM5-200	200	55	2.5~3.5



BKY 3 系列 BKY 3 series

◆外形尺寸 Dimension

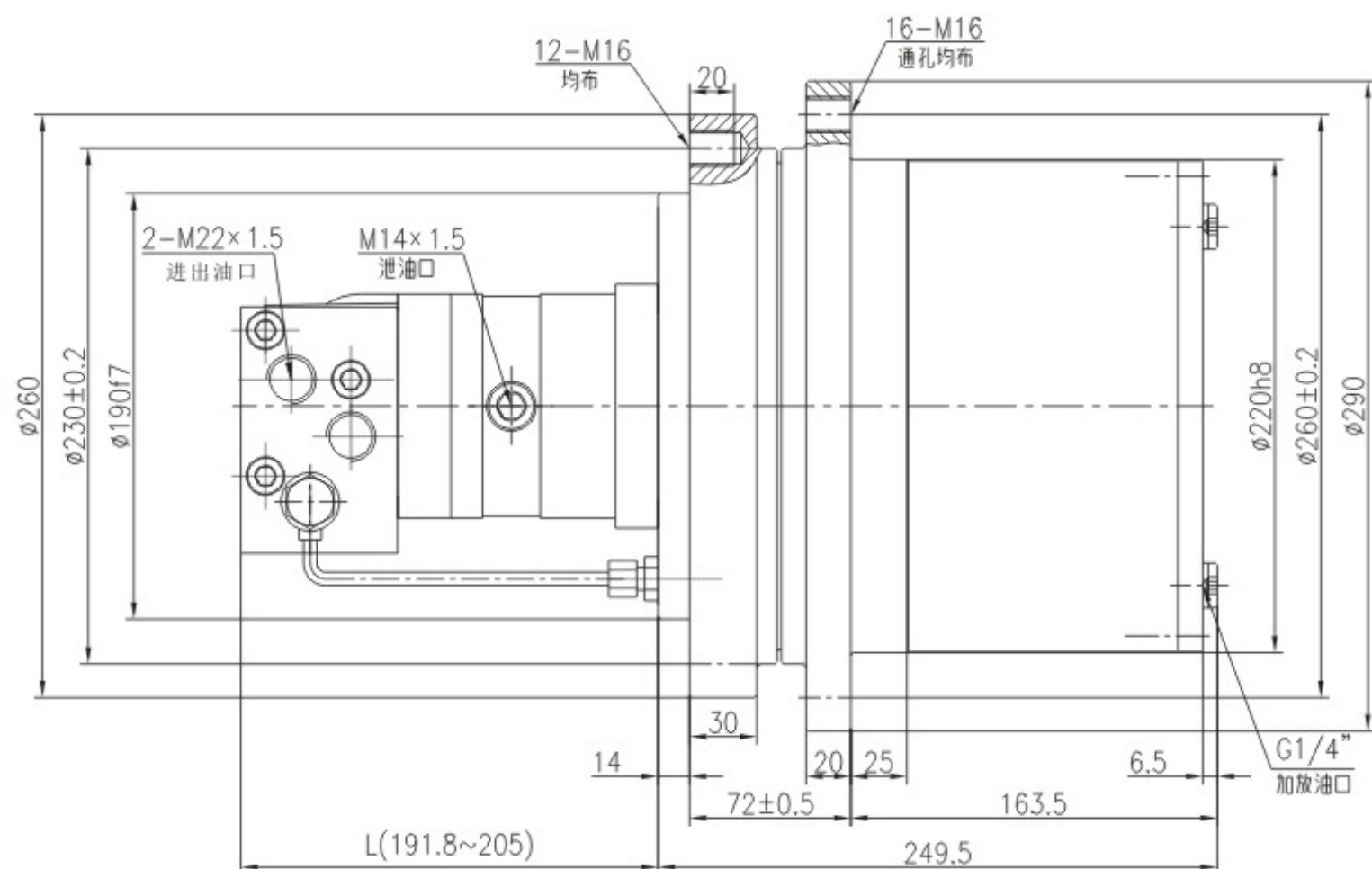


◆技术参数 Technical parameters

型号 Model	扭矩 (N. m) Torque		转速范围 (r/min) Speed	传动比 Reduction ratio	压力(Mpa) Pressure		总排量(ml/r) Total displacement	液压马达 Hydraulic motor		总重 (Kg) Gross weight	适用机重 Approx. weight of machine (T)
	额定 Rated	最高 Max.			额定 Rated	最高 Max.		型号 Model	排量(ml/r) Displacement		
BKY3-960F01Z	1750	2300	3-80	6	16	21	958	BM5-160	159.7	28	1.5~2.0
BKY3-1200F01Z	2200	3000	3-65	6	16	21	1200	BM5-200	200	28	2.0~2.5
BKY3-1500F01Z	3000	3800	3-51	6	16	21	1500	BM5-250	250	28	2.5~3.0
BKY3-1890F01Z	3600	4500	3-41	6	16	21	1889	BM5-315	314.9	28	3.0~3.5
BKY3-2370F01Z	4100	5300	3-30	6	16	21	2358	BM5-395	393	28	4.0~5.0

BKY 33A 系列 BKY 33A series

◆外形尺寸 Dimension

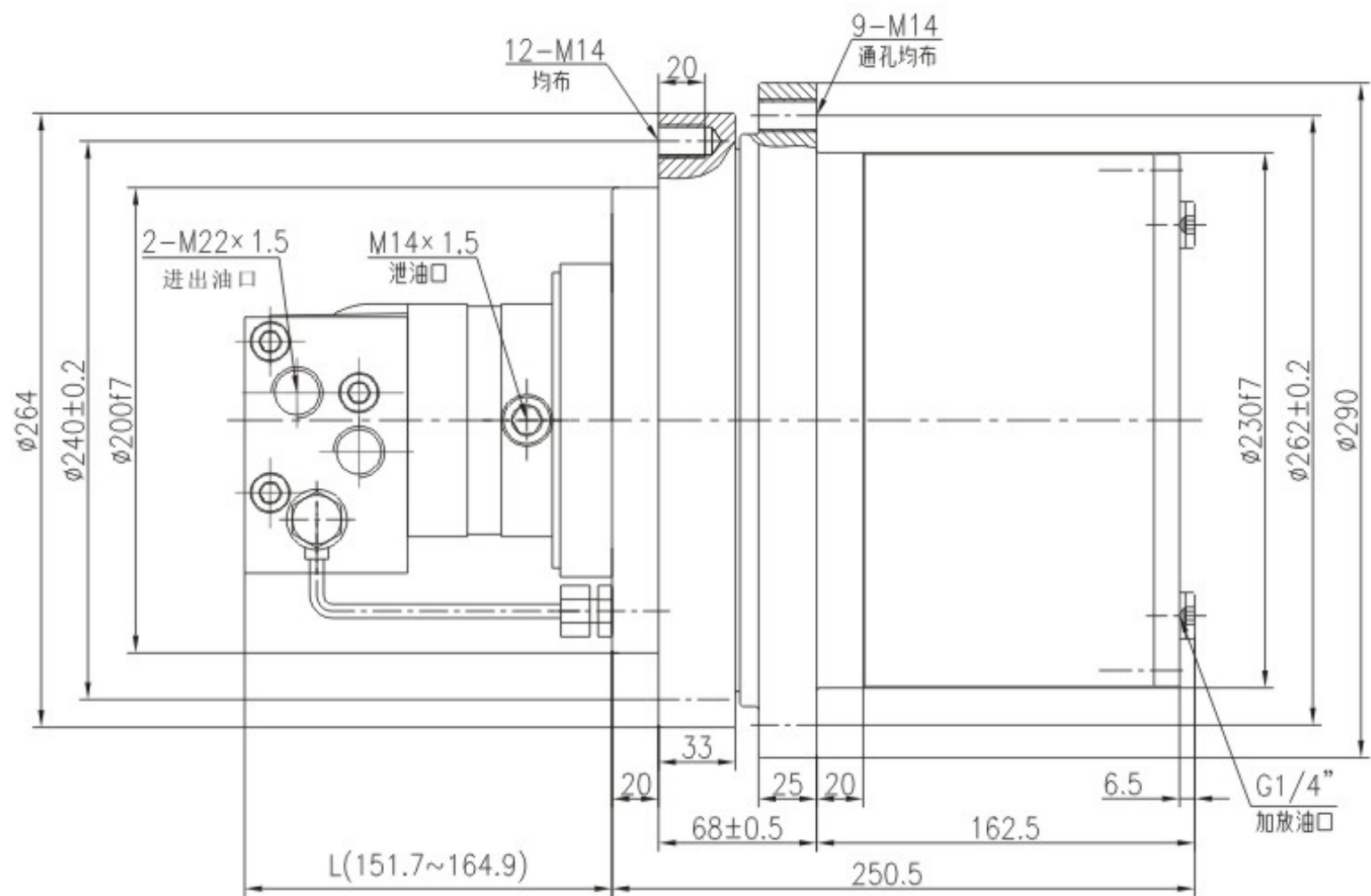


◆技术参数 Technical parameters

型号 Model	扭矩 (N. m) Torque		转速范围 (r/min) Speed	传动比 Reduction ratio	压力(Mpa) Pressure		总排量(ml/r) Total displacement	液压马达 Hydraulic motor		总重 (Kg) Gross weight	适用机重 Approx. weight of machine (T)
	额定 Rated	最高 Max.			额定 Rated	最高 Max.		型号 Model	排量(ml/r) Displacement		
BKY33A-2150F01Z	4200	5500	1-35	21.5	16	21	2156	BM5-100	100	80	3~4
BKY33A-2700F01Z	5200	6500	1-30	21.5	16	21	2710	BM5-125	125.7	80	4~5
BKY33A-3450F01Z	6500	8200	1-22	21.5	16	21	3443	BM5-160	159.7	80	5~6
BKY33A-4310F01Z	8000	10000	1-18	21.5	16	21	4312	BM5-200	200	80	6~7

BKY 33B 系列 BKY 33B series

外形尺寸 Dimension



技术参数 Technical parameters

型号 Model	扭矩 (N. m) Torque		转速范围 (r/min) Speed	传动比 Reduction ratio	压力(Mpa) Pressure		总排量(ml/r) Total displacement	液压马达 Hydraulic motor		总重 (Kg) Gross weight	适用机重 Approx. weight of machine (T)
	额定 Rated	最高 Max.			额定 Rated	最高 Max.		型号 Model	排量(ml/r) Displacement		
BKY33B-2240F01Z	4400	5700	1-33	22.4	16	21	2240	BM5-100	100	88	3~4
BKY33B-2800F01Z	5500	6800	1-28	22.4	16	21	2815	BM5-125	125.7	88	4~5
BKY33B-3580F01Z	6800	8500	1-21	22.4	16	21	3577	BM5-160	159.7	88	5~6
BKY33B-4480F01Z	8500	10500	1-17	22.4	16	21	4480	BM5-200	200	88	6~7



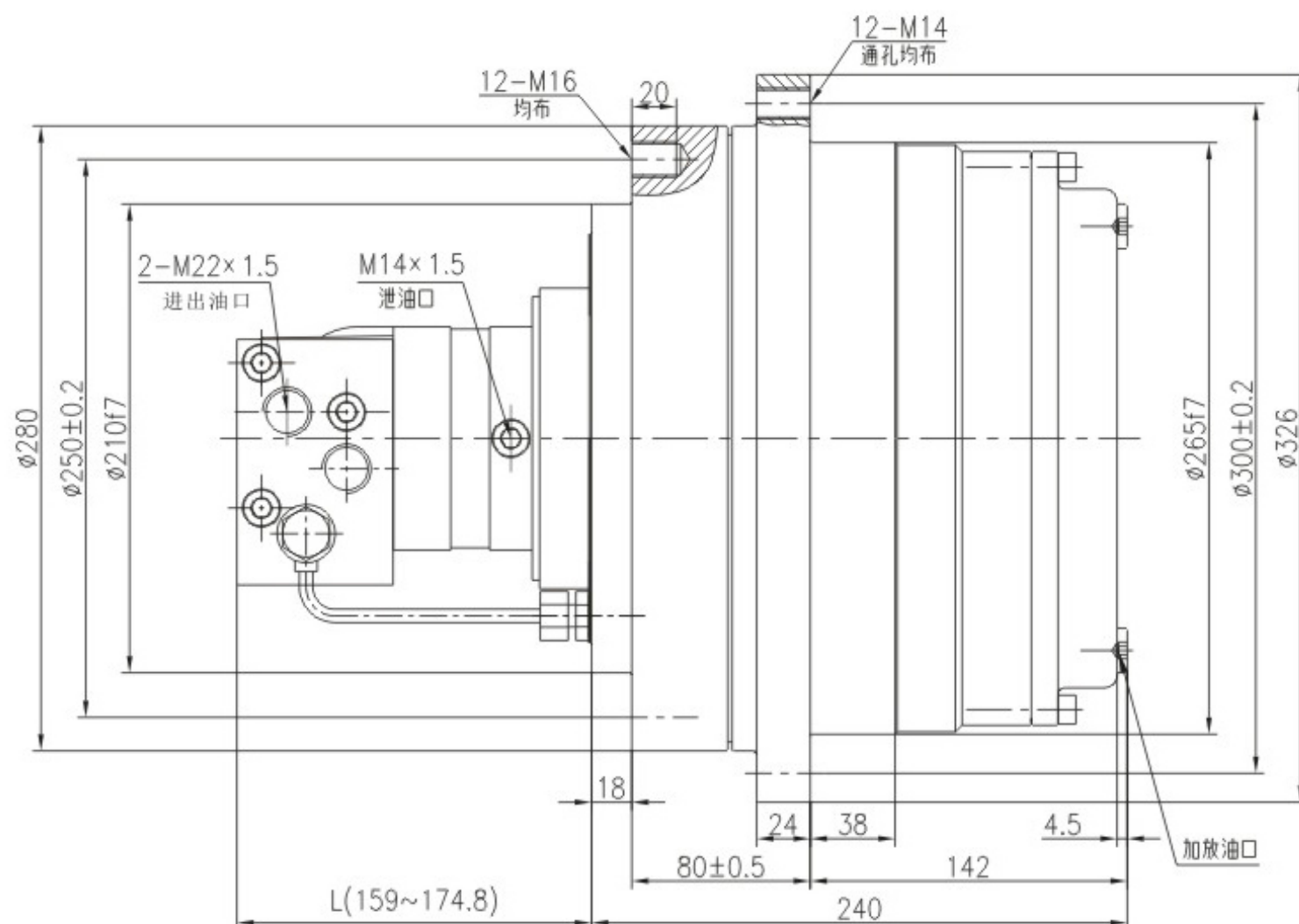
BKY 2.53A系列

BKY2.53A series

BKY 3.53.5A 系列

BKY3.53.5A series

◆外形尺寸 Dimension

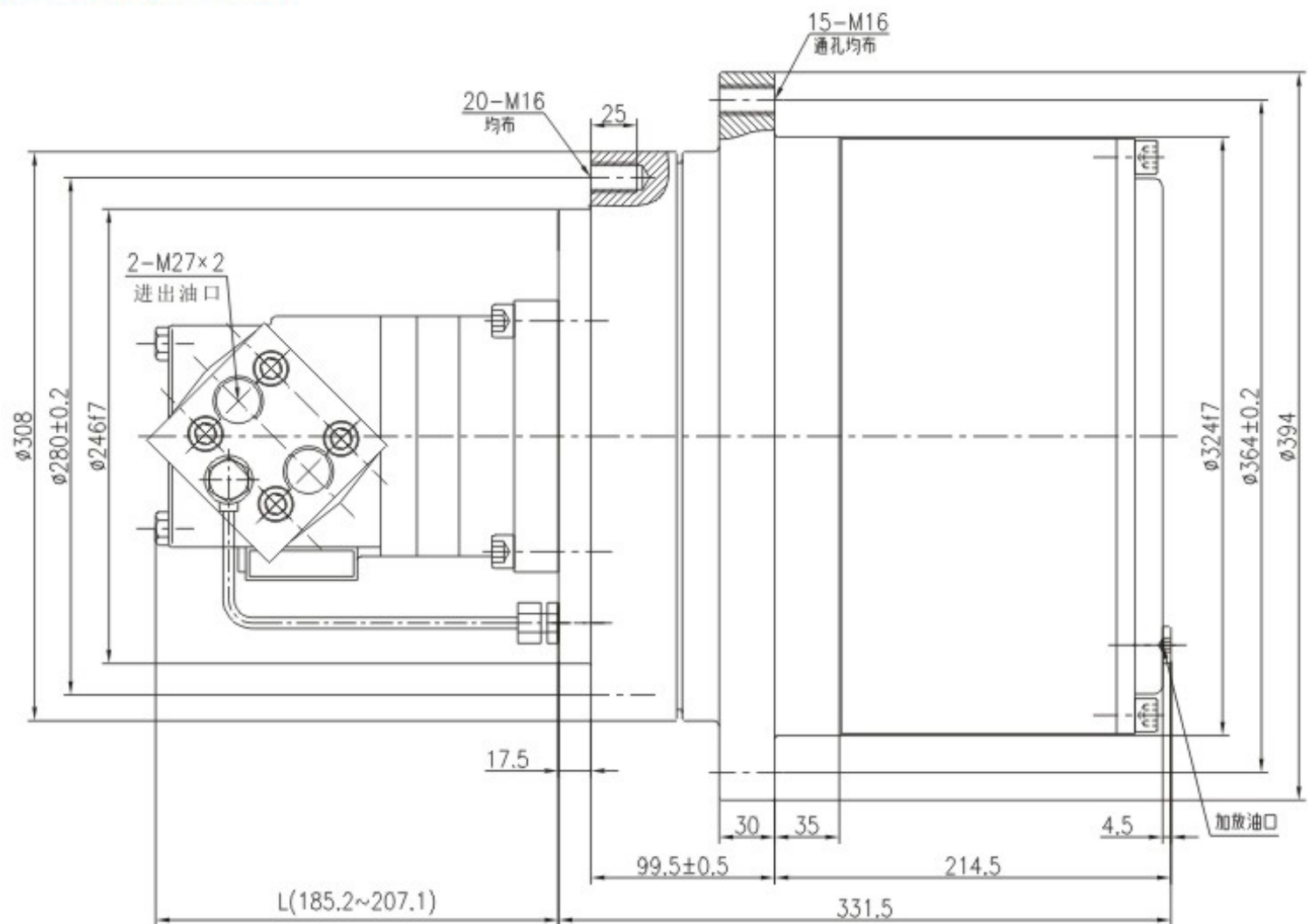


◆技术参数 Technical parameters

型号 Model	扭矩 (N. m) Torque		转速范围 (r/min) Speed	传动比 Reduction ratio	压力 (Mpa) Pressure		总排量 (ml/r) Total displacement	液压马达 Hydraulic motor		总重 (Kg) Gross weight	适用机重 Approx. weight of machine (T)
	额定 Rated	最高 Max.			额定 Rated	最高 Max.		型号 Model	排量 (ml/r) Displacement		
BKY2.53A-2870F01Z	5500	7000	1-27	23	16	21	2891	BM5-125	125.7	95	6~7
BKY2.53A-3680F01Z	7500	9500	1-21	23	16	21	3673	BM5-160	159.7	95	7~8
BKY2.53A-4600F01Z	8800	12500	1-16	23	16	21	4600	BM5-200	200	95	8~10
BKY3.53.5A-4240F01Z	8500	10000	1-18	26.5	16	21	4232	BM5-160	159.7	105	7~8
BKY3.53.5A-5300F01Z	10000	12500	1-14	26.5	16	21	5300	BM5-200	200	105	8~10
BKY3.53.5A-6620F01Z	12500	16000	1-11	26.5	16	21	6625	BM5-250	250	105	10~13

BKY 34A 系列 BKY 34A series

◆外形尺寸 Dimension



◆技术参数 Technical parameters

型号 Model	扭矩 (N. m) Torque		转速范围 (r/min) Speed	传动比 Reduction ratio	压力(Mpa) Pressure		总排量 (ml/r) Total displacement	液压马达 Hydraulic motor		总重 (Kg) Gross weight	适用机重 Approx. weight of machine (T)
	额定 Rated	最高 Max.			额定 Rated	最高 Max.		型号 Model	排量(ml/r) Displacement		
BKY34A-5800F01Z	11000	14000	2-26	23	16	21	5791.4	BM6-245	251.8	190	10~12
BKY34A-7500F01Z	14300	19000	2-30	23	16	21	7504.9	BM6-310	326.3	190	13~14
BKY34A-9500F01Z	18000	22500	2-17	23	16	21	9450.7	BM6-390	410.9	190	15~17



PKY 系列履带（车轮）行走马达

PKY series tracked (wheel) traveling motor

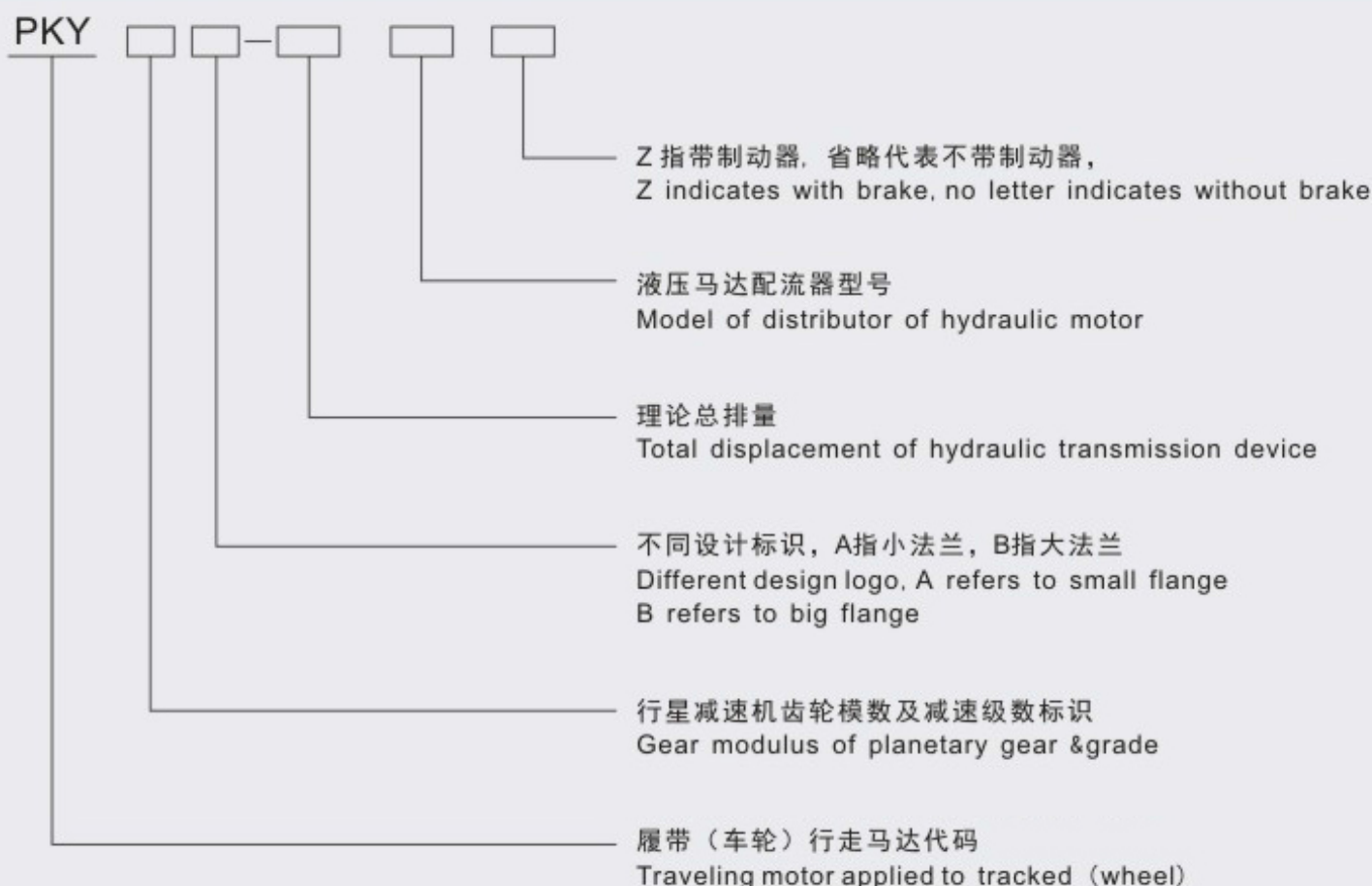
◆概述 Introduction

PKY 系列履带（车轮）行走马达由具有制动功能的阀组、液压马达（SAI）、制动器、一级或二级行星减速机组成。该设备工作、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。由于轴向尺寸小，可内藏于车轮或履带内，从而提高了行走机械的整机通过能力，且使整机的结构紧凑外形美观。该产品现已广泛运用于工程车辆、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。



PKY series traveling motor applied to tracked(wheel) is consisted of valve bank with brake function, hydraulic motor(SAI),brake, one or two stage planetary gearbox . The equipment is high efficient in working and starting, and reliable for working. The output depends on the rotational of the shell, can be directly connected to wheel or crawler drive sprocket. Due to the small axial size, it can hide into the wheel or track, consequently, The mobile machine 's through capacity of machine is improved . And it also make a compact structure beautiful shape for the whole machine. The product now is widely used for Transmission devices of tracked (wheel) in such equipment as Engineering vehicle, Tracked excavator , horizontal drilling rig, down-hole drill, railway vehicles, entry-driving machine, mining rig ,rotary drilling rig etc.

◆型号说明 Specifications



◆型号举例 Specification example

PKY2.53A-2200D120201Z表示行走马达减速器为二级减速，齿轮模数第一级为2.5mm，第二级为3mm，A为小法兰输出，理论排量为2200ml/r，液压马达配流器型号为D120201，带制动器。

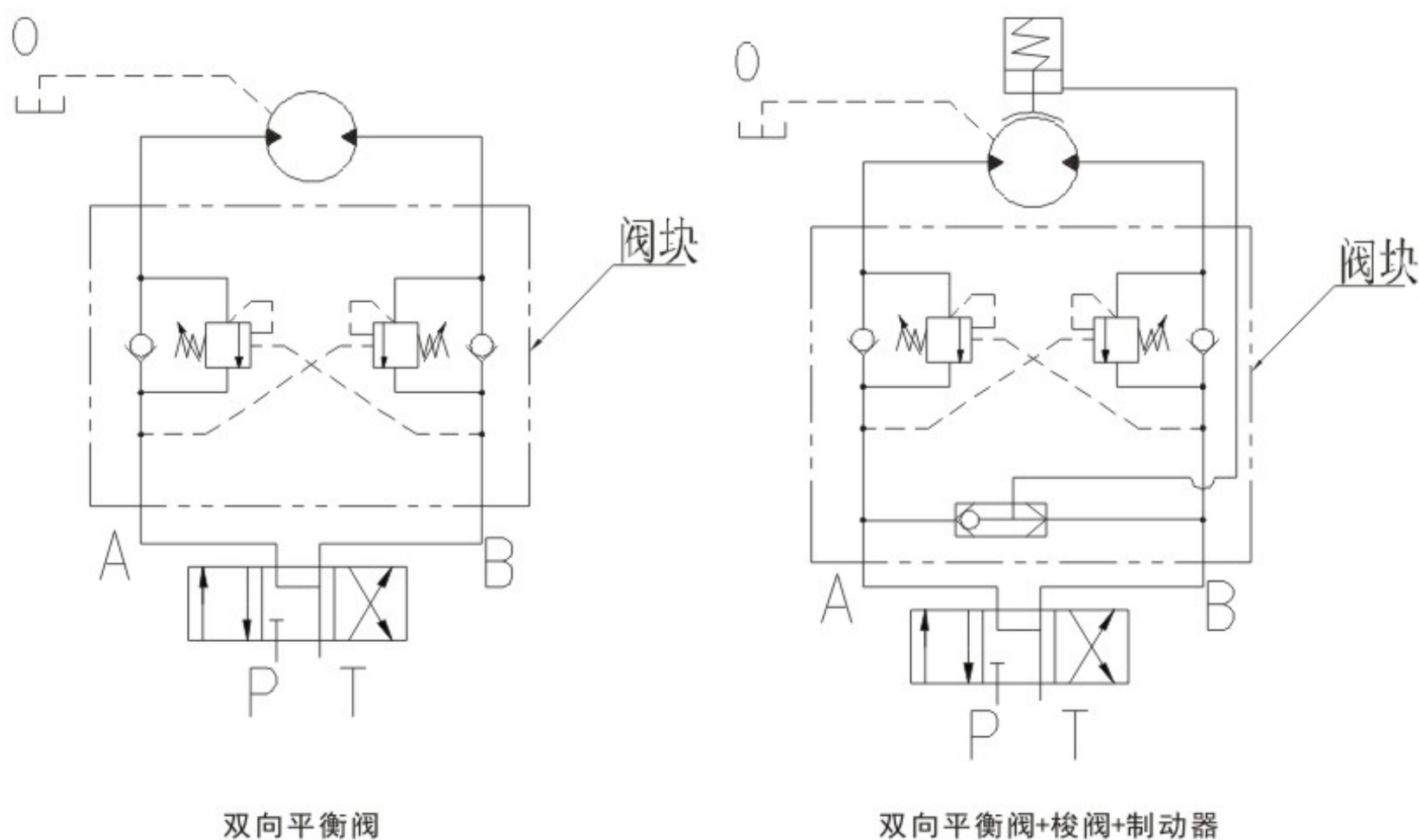
PKY2.53A-2200D120201Z indicates travel motor drives is double reduction , first stage of gear modulus is 2.5mm, second is 3mm, A indicates small flange output, theoretical displacement is 2200ml/r, Model of distributor of hydraulic motor is D120201,with brake.

配套液压系统使用说明

(1)对于大多数小型履带式钻机和挖掘机，建议选用不带机械制动器的系统，因为PKY系列传动装置的液压系统中已设置了能在斜坡上长期停留的制动系统，即使当停机时，停在斜坡上的机器也不会发生溜车事故，因为停机时在液压马达和双向平衡阀之间的封闭回路中始终充满了液压油，因而液压马达本身就可起到制动作用，由于GN型液压马达运动件的泄漏很少，因此机器在斜坡上的滑移量极少，完全可以满足挖掘工况的要求。

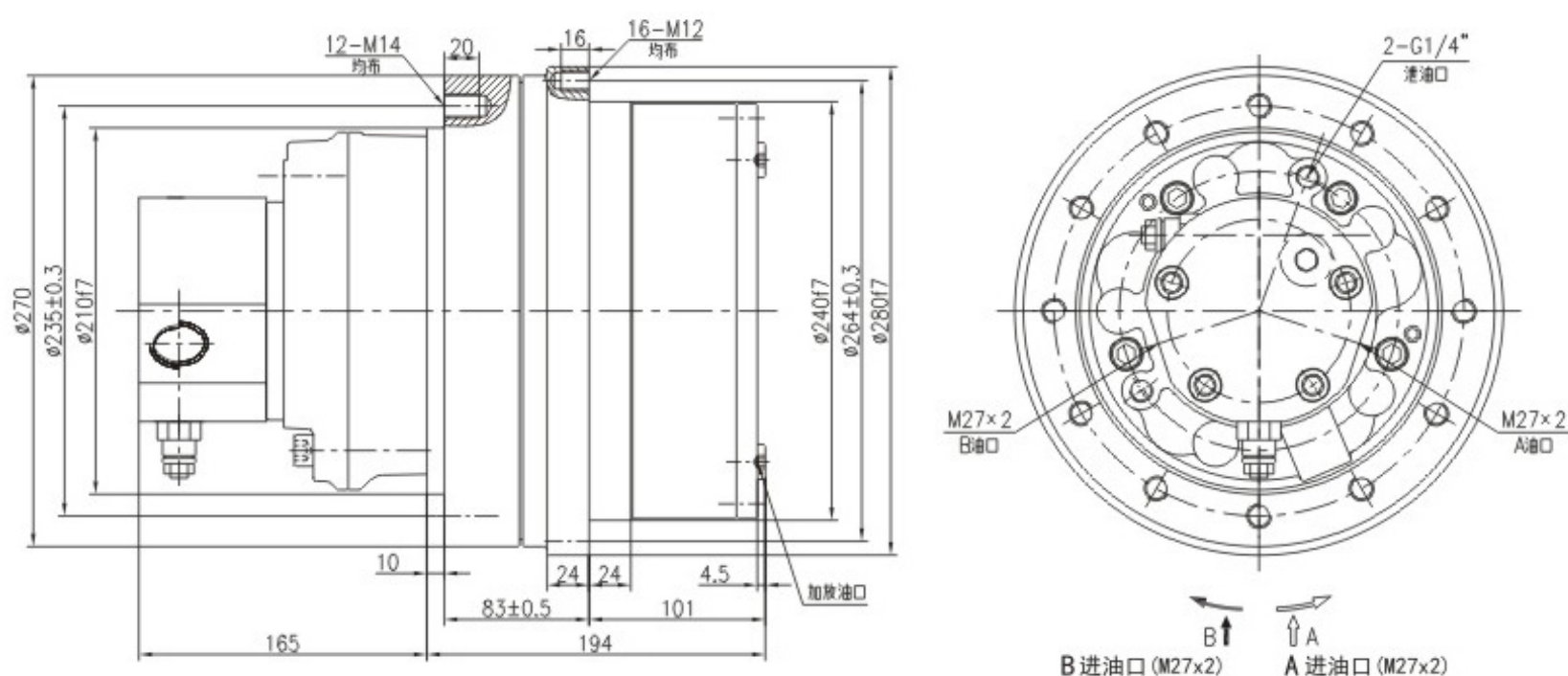
(2)对于车轮或履带传动装置的方向控制阀中位机能一半均应选择“Y”机能，也就是换向阀中位时应使马达进出口A、B与通油箱的“T”口相通，这样具有过载保护功能的平衡阀在起到制动功能的同时还可以起到过载保护作用，使制动过程中的机器惯性冲击力减到最小，这将有利于延长传动装置的使用寿命和工作的可靠性。

液压原理图 Hydraulic principle diagram



PKY 2.5A 系列 PKY 2.5A series

◆外形尺寸 Dimension

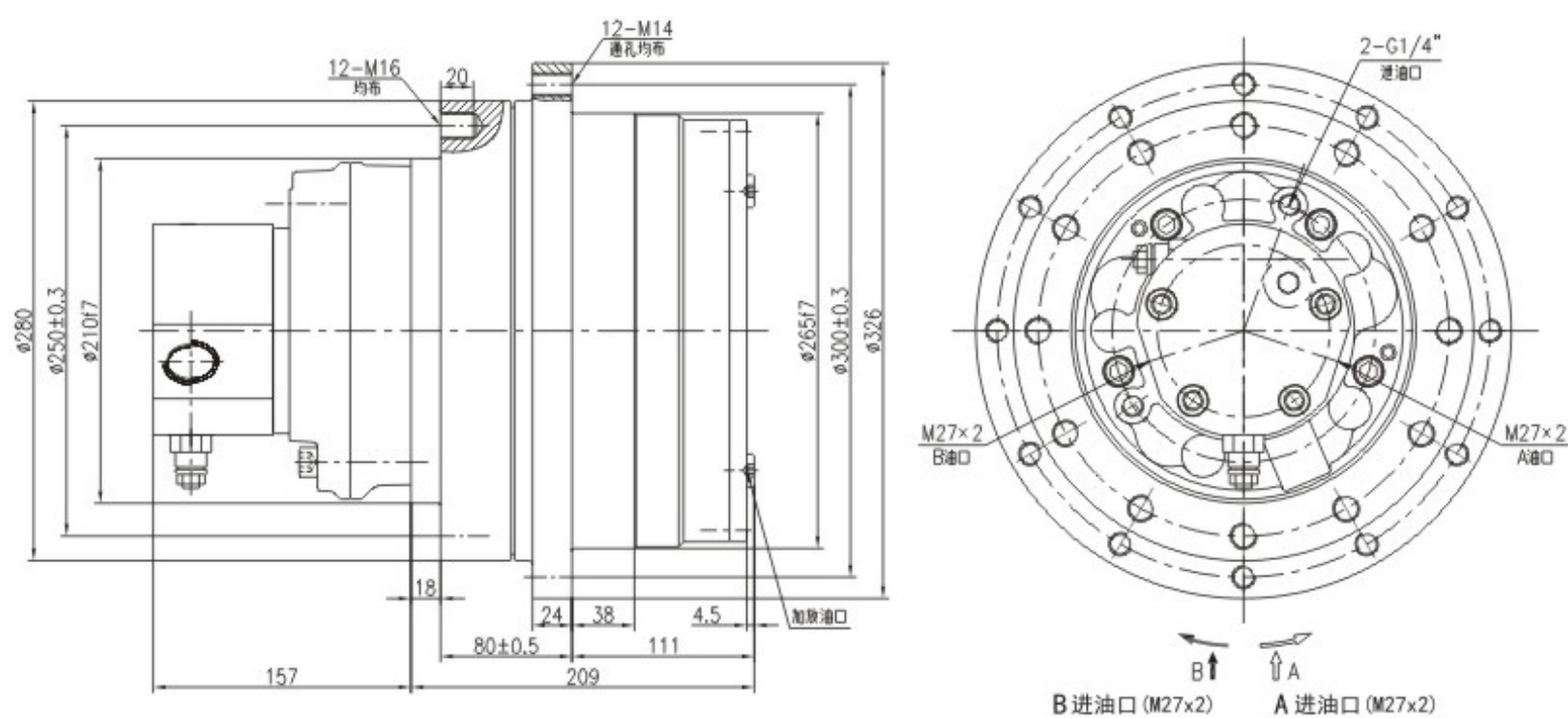


◆技术参数 Technical parameters

型号 Model	扭矩 (N. m) Torque		转速范围 (r/min) Speed	传动比 Reduction ratio	压力(Mpa) Pressure		总排量 (ml/r) Total displacement	液压马达 Hydraulic motor		总重 (Kg) Gross weight	适用机重 Approx. weight of machine (T)
	额定 Rated	最高 Max.			额定 Rated	最高 Max.		型号 Model	排量(ml/r) Displacement		
PKY2.5A-750D1202	1900	2500	0.5-95	6	20	25	774	GN05-130D1202	129	60	1~2
PKY2.5A-900D1202	2200	2800	0.5-90	6	20	25	906	GN05-150D1202	151	60	1.5~2
PKY2.5A-1000D1202	2400	3000	0.5-85	6	20	25	996	GN05-170D1202	166	60	2~3
PKY2.5A-1200D1202	2800	3500	0.5-81	6	20	25	1146	GN05-200D1202	191	60	3~4

PKY 2.5B 系列 PKY 2.5B series

外形尺寸 Dimension



技术参数 Technical parameters

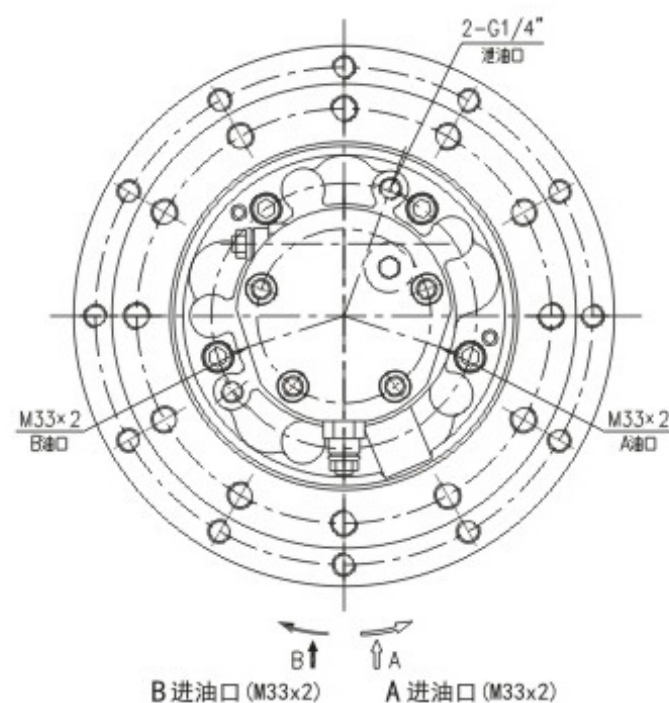
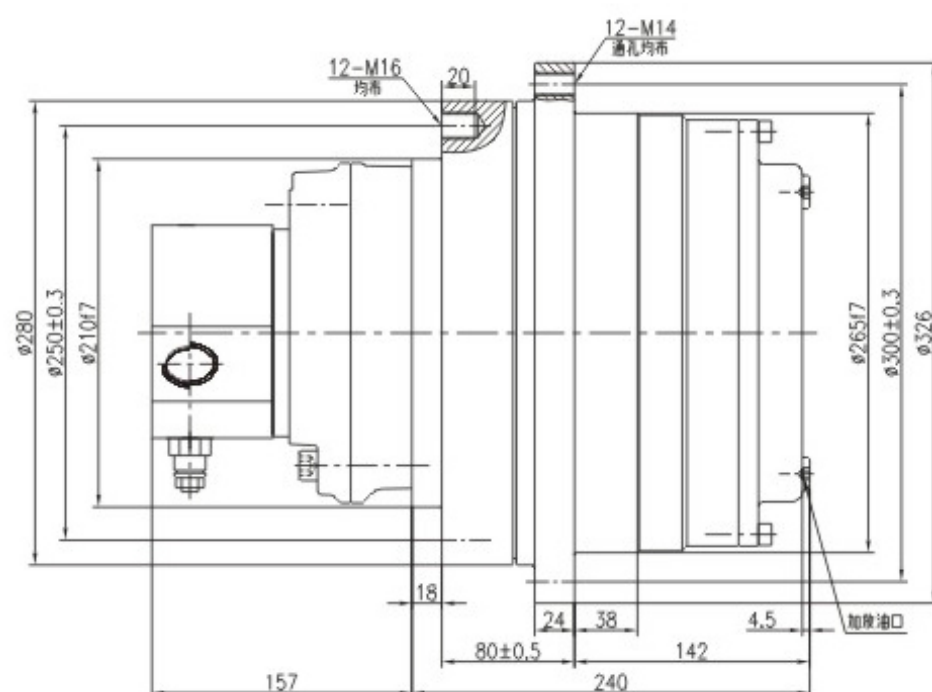
型号 Model	扭矩 (N. m) Torque		转速范围 (r/min) Speed	传动比 Reduction ratio	压力(Mpa) Pressure		总排量(ml/r) Total displacement	液压马达 Hydraulic motor		总重 (Kg) Gross weight	适用机重 Approx. weight of machine (T)
	额定 Rated	最高 Max.			额定 Rated	最高 Max.		型号 Model	排量(ml/r) Displacement		
PKY2.5B-750D1202	1900	2500	0.5-95	6	20	25	774	GN05-130D1202	129	70	1~2
PKY2.5B-900D1202	2200	2800	0.5-90	6	20	25	906	GN05-150D1202	151	70	2~3
PKY2.5B-1000D1202	2400	3000	0.5-85	6	20	25	996	GN05-170D1202	166	70	2~3
PKY2.5B-1200D1202	2800	3500	0.5-81	6	20	25	1146	GN05-200D1202	191	70	3~4



PKY 2.53A 系列 PKY 2.53A series

PKY 3.53.5A 系列 PKY 3.53.5A series

◆外形尺寸 Dimension

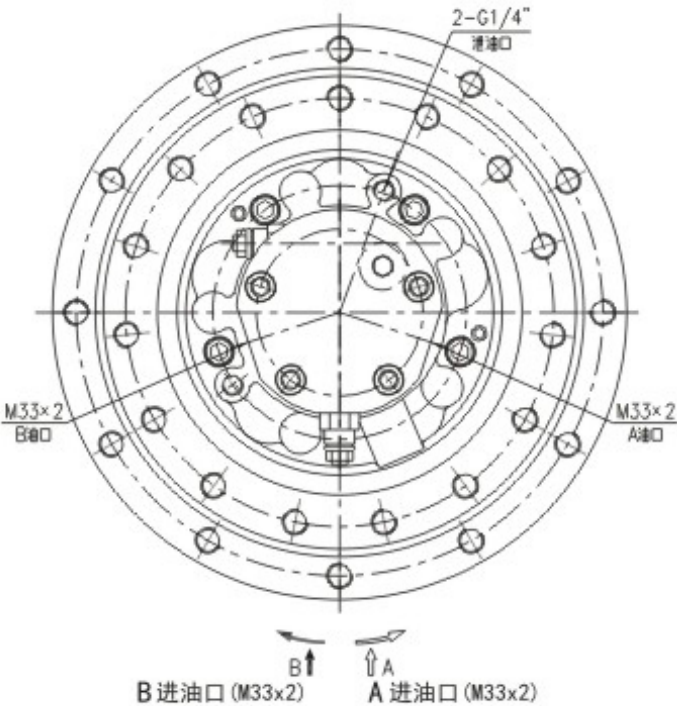
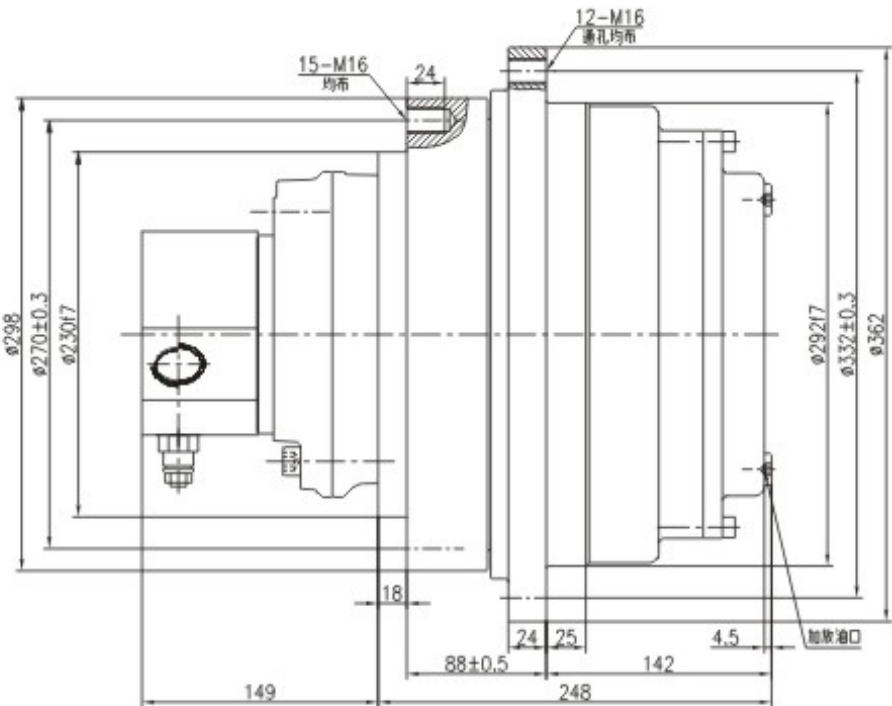


◆技术参数 Technical parameters

型号 Model	扭矩 (N. m) Torque		转速 范围 (r/min) Speed	传动比 Reduction ratio	压力(Mpa) Pressure		总排量 (ml/r) Total displacement	液压马达 Hydraulic motor		总重 (Kg) Gross weight	适用机重 Approx. weight of machine (T)
	额定 Rated	最高 Max.			额定 Rated	最高 Max.		型号 Model	排量 (ml/r) Displacement		
PKY2.53A-2200D1202	6000	7500	0.5-35	19	20	25	2185	GN05-110D1202	115	80	6~8
PKY2.53A-2900D1202	8000	10000	0.5-30	19	20	25	2869	GN05-150D1202	151	80	6~8
PKY2.53A-3600D1202	10000	12500	0.5-26	19	20	25	3629	GN05-200D1202	191	80	8~10
PKY3.53.5A-4000D1202	11000	14000	0.5-22	27	20	25	4077	GN05-150D1202	151	90	8~10
PKY3.53.5A-4400D1202	12500	15000	0.5-20	27	20	25	4482	GN05-170D1202	166	90	10~12
PKY3.53.5A-5000D1202	13500	16000	0.5-18	27	20	25	5157	GN05-200D1202	191	90	10~12

PKY 2.53B 系列 PKY 2.53B series
PKY 3.53.5B 系列 PKY 3.53.5B series

◆外形尺寸 Dimension



◆技术参数 Technical parameters

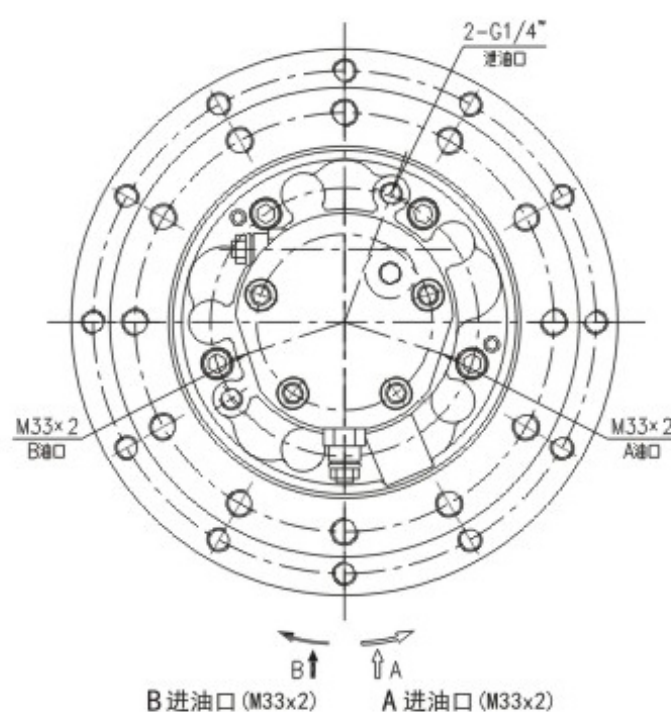
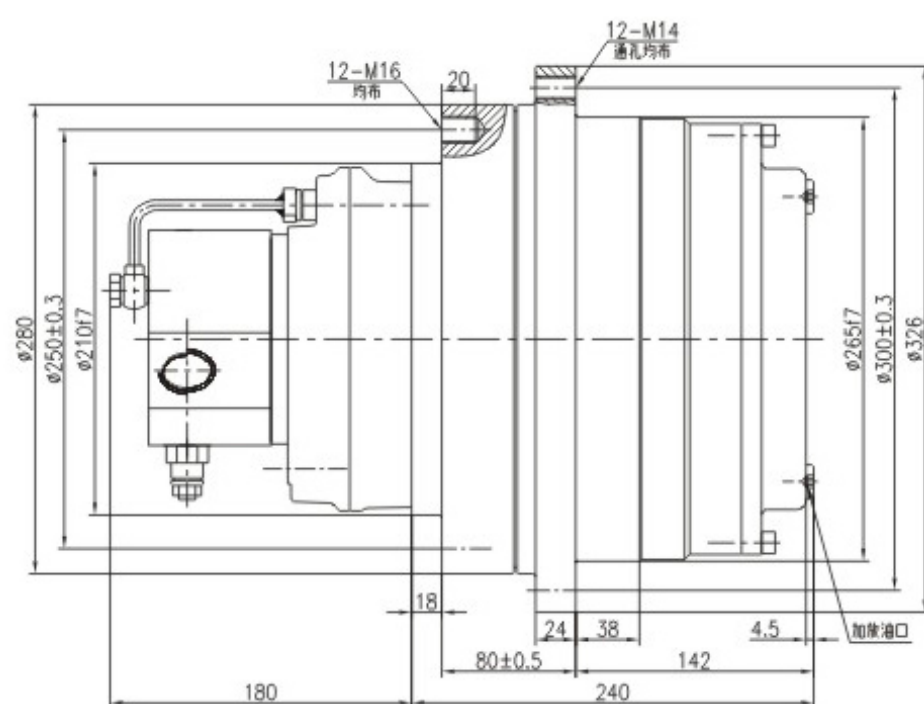
型号 Model	扭矩 (N. m) Torque		转速 范围 (r/min) Speed	传动比 Reduction ratio	压力(Mpa) Pressure		总排量 (ml/r) Total displacement	液压马达 Hydraulic motor		总重 (Kg) Gross weight	适用机 重 Approx. weight of machine (T)
	额定 Rated	最高 Max.			额定 Rated	最高 Max.		型号 Model	排量 (ml/r) Displacement		
PKY2.53B-2200D1202	6000	7500	0.5-35	19	20	25	2185	GN05-110D1202	115	80	6~8
PKY2.53B-2900D1202	8000	10000	0.5-30	19	20	25	2869	GN05-150D1202	151	80	6~8
PKY2.53B-3600D1202	10000	12500	0.5-26	19	20	25	3629	GN05-200D1202	191	80	8~10
PKY3.53.5B-4000D1202	11000	14000	0.5-22	27	20	25	4077	GN05-150D1202	151	90	8~10
PKY3.53.5B-4400D1202	12500	15000	0.5-20	27	20	25	4482	GN05-170D1202	166	90	10~12
PKY3.53.5B-5000D1202	13500	16000	0.5-18	27	20	25	5157	GN05-200D1202	191	90	10~12



PKY 2.53A-Z 系列 PKY 2.53A-Z series

PKY 3.53.5A-Z 系列 PKY 3.53.5A-Z series

◆外形尺寸 Dimension



◆技术参数 Technical parameters

型号 Model	扭矩 (N. m) Torque		转速范围 (r/min) Speed	传动比 Reduction ratio	压力(Mpa) Pressure		总排量(ml/r) Total displacement	液压马达 Hydraulic motor		总重 (Kg) Gross weight	适用机重 Approx. weight of machine (T)
	额定 Rated	最高 Max.			额定 Rated	最高 Max.		型号 Model	排量(ml/r) Displacement		
PKY2.53A-2200D120201Z	6000	7500	0.5-35	19	20	25	2185	GN05-110D120201	115	80	6~8
PKY2.53A-2900D120201Z	8000	10000	0.5-30	19	20	25	2869	GN05-150D120201	151	80	6~8
PKY2.53A-3600D120201Z	10000	12500	0.5-26	19	20	25	3629	GN05-200D120201	191	80	8~10
PKY3.53.5A-4000D120201Z	11000	14000	0.5-22	27	20	25	4077	GN05-150D120201	151	90	8~10
PKY3.53.5A-4400D120201Z	12500	15000	0.5-20	27	20	25	4482	GN05-170D120201	166	90	10~12
PKY3.53.5A-5000D120201Z	13500	16000	0.5-18	27	20	25	5157	GN05-200D120201	191	90	10~12

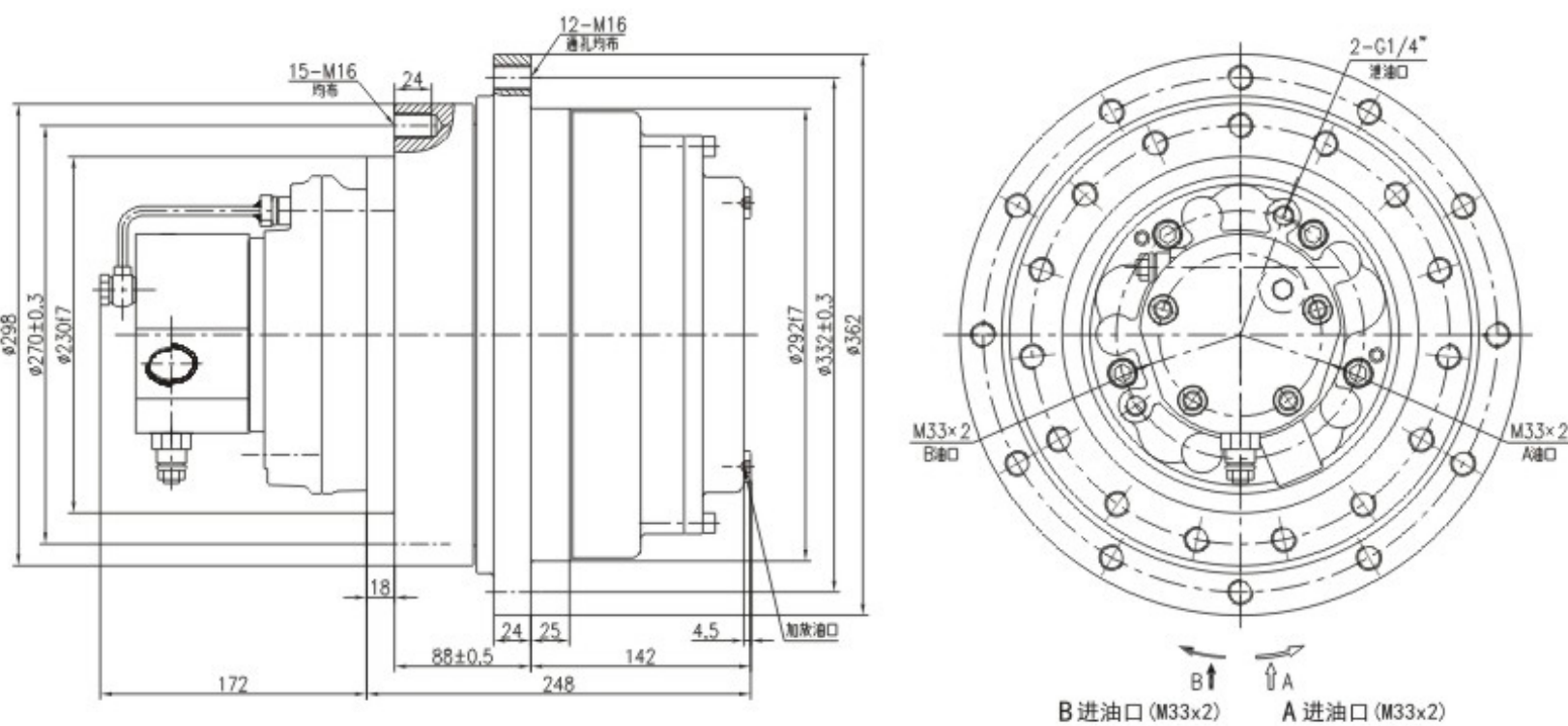
PKY 2.53B-Z 系列

PKY 3.53.5B-Z 系列

PKY 2.53B-Z series

PKY 3.53.5B-Z series

◆外形尺寸 Dimension

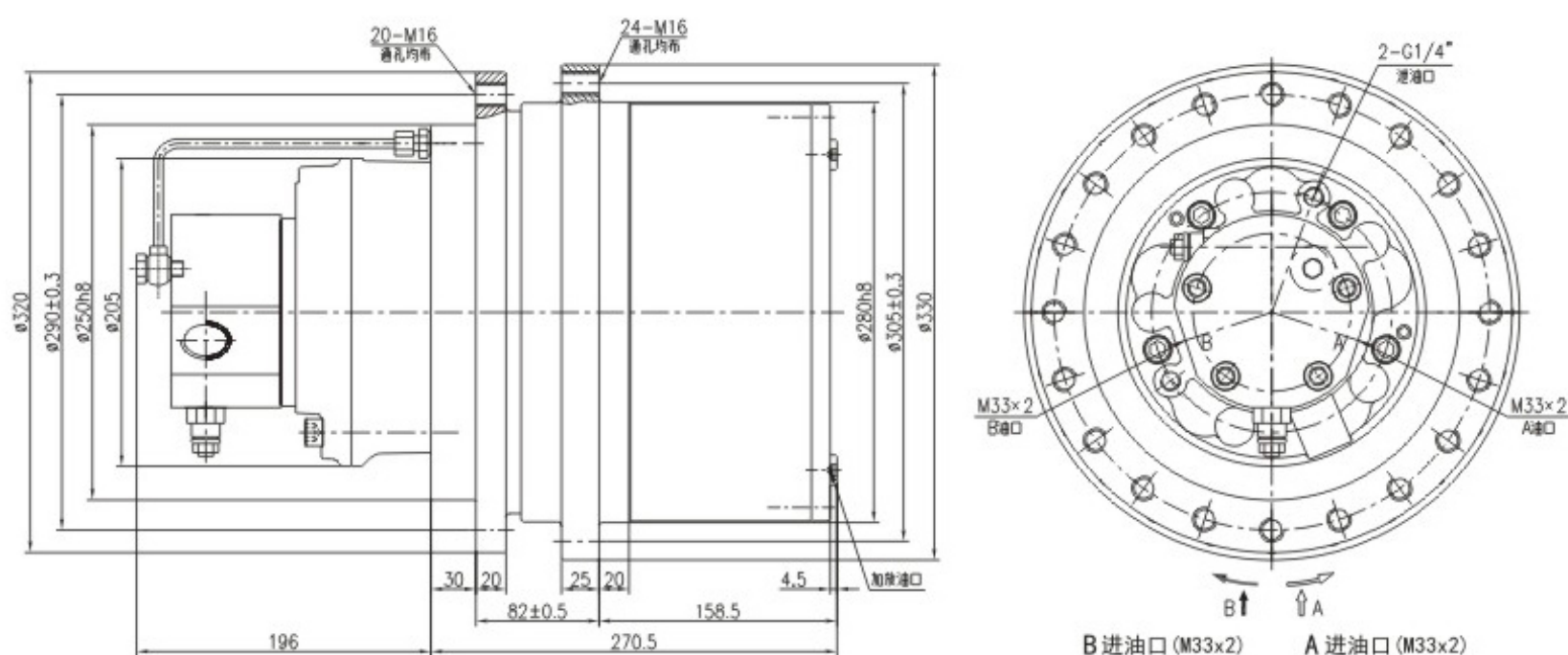


◆技术参数 Technical parameters

型号 Model	扭矩 (N. m) Torque		转速范围 (r/min) Speed	传动比 Reduction ratio	压力(Mpa) Pressure		总排量(ml/r) Total displacement	液压马达 Hydraulic motor		总重 (Kg) Gross weight	适用机重 Approx. weight of machine (T)
	额定 Rated	最高 Max.			额定 Rated	最高 Max.		型号 Model	排量(ml/r) Displacement		
PKY2.53B-2200D120201Z	6000	7500	0.5-35	19	20	25	2185	GN05-110D120201	115	80	6~8
PKY2.53B-2900D120201Z	8000	10000	0.5-30	19	20	25	2869	GN05-150D120201	151	80	6~8
PKY2.53B-3600D120201Z	10000	12500	0.5-26	19	20	25	3629	GN05-200D120201	191	80	8~10
PKY3.53.5B-4000D120201Z	11000	14000	0.5-22	27	20	25	4077	GN05-150D120201	151	90	8~10
PKY3.53.5B-4400D120201Z	12500	15000	0.5-20	27	20	25	4482	GN05-170D120201	166	90	10~12
PKY3.53.5B-5000D120201Z	13500	16000	0.5-18	27	20	25	5157	GN05-200D120201	191	90	10~12

PKY 33-Z 系列 PKY 33-Z series

◆外形尺寸 Dimension

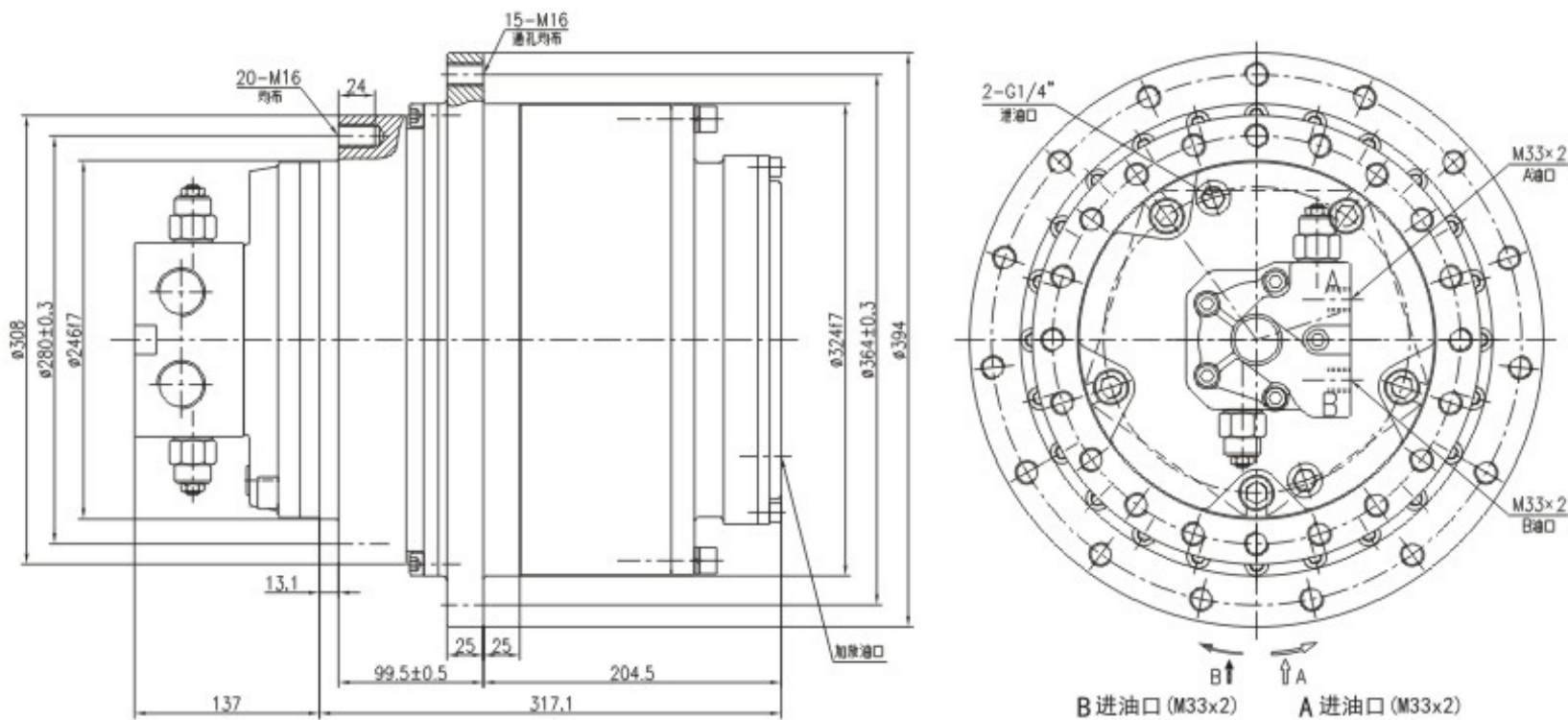


◆技术参数 Technical parameters

型号 Model	扭矩 (N. m) Torque		转速范围 (r/min) Speed	传动比 Reduction ratio	压力 (Mpa) Pressure		总排量 (ml/r) Total displacement	液压马达 Hydraulic motor		总重 (Kg) Gros	适用机重 Approx. weight of machine (T)
	额定 Rated	最高 Max.			额定 Rated	最高 Max.		型号 Model	排量 (ml/rev) Displacement		
PKY33-4800D120201Z	11000	13000	0.5-17	37.5	16	20	4837	GN05-130D120201	129	125	10~12
PKY33-5600D120201Z	12500	15500	0.5-15	37.5	16	20	5662	GN05-150D120201	151	125	10~12
PKY33-6300D120201Z	13500	16500	0.5-15	37.5	16	20	6225	GN05-170D120201	166	125	12~14

PKY 34A-Z 系列 PKY 34A-Z series

外形尺寸 Dimension



技术参数 Technical parameters

型号 Model	扭矩 (N. m) Torque		转速范围 (r/min) Speed	传动比 Reduction ratio	压力(Mpa) Pressure		总排量(ml/r) Total displacement	液压马达 Hydraulic motor		总重 (Kg) Gross weight	适用机重 Approx. weight of machine (T)
	额定 Rated	最高 Max.			额定 Rated	最高 Max.		型号 Model	排量(ml/r) Displacement		
PKY34A-5800D240201Z	13000	16500	0.5-15	37.5	16	20	5775	GN1-150D240201	154	210	10~12
PKY34A-6500D240201Z	14500	18000	0.5-15	37.5	16	20	6450	GN1-175D240201	172	210	12~14
PKY34A-7500D240201Z	17000	21000	0.5-15	37.5	16	20	7537	GN1-200D240201	201	210	14~18
PKY34A-9100D240201Z	19000	25000	0.5-12	37.5	16	20	9112	GN1-250D240201	243	210	14~18



PDL掘进机用截割马达

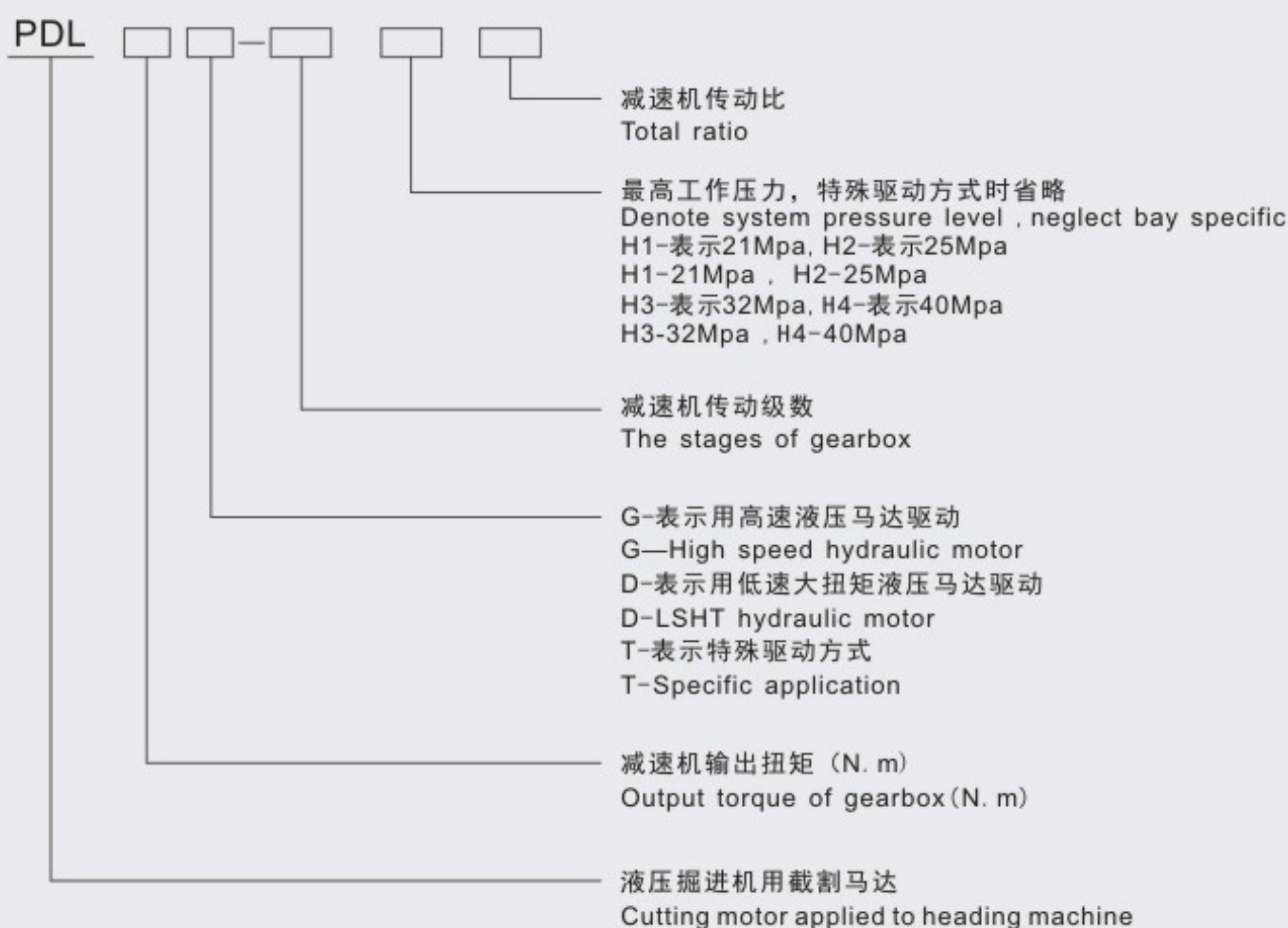
PDL cutting motor applied to heading machine

◆概述 Introduction

PDL系列静液压驱动装置，由高速轴向柱塞马达或低速大扭矩径向柱塞马达、行星减速器及功能阀块组成。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，外壳可以同时承受大的径向和轴向负载，因而动力头装置可直接安装在外壳上无需另设支承轴承。

The PDL hydrostatic power head drive series consist of planetary gearbox ,axial piston or LSHT hydraulic motor,and valve block.The drives feature high total efficiency,great reliability ,compact design,and wide speed control range.By rotating output housing have high radial and axial load capacity at the same time,the drives can be directly installed in the machinery without other support bearing.

◆型号说明 Specifications



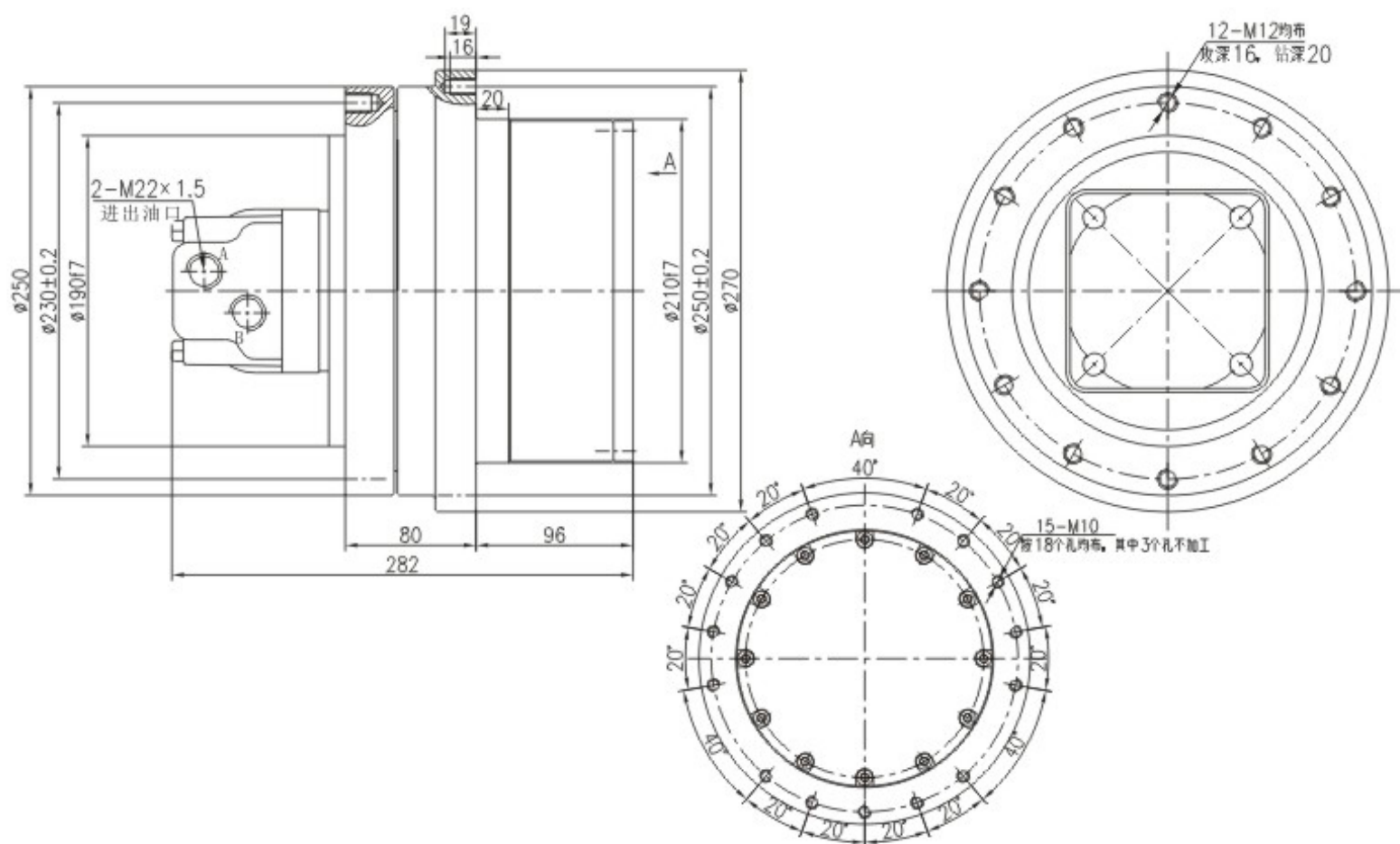
◆型号举例 Specification example

PDL1400D1-H1-6.09指减速机最大输出扭矩为1400N. m,用低速大扭矩马达驱动，最高工作压力为25Mpa,一级减速，速比6.09。

PDL1400D1-H1-6.09 represents that the power head drives has output torque of 1400N. m, one stage planetary gearbox with total ratio of 6.09, fitted with a LSHT hydraulic motor. The system pressure level is 25Mpa.

PDL-1 系列 PDL-1 series

◆外形尺寸 Dimension



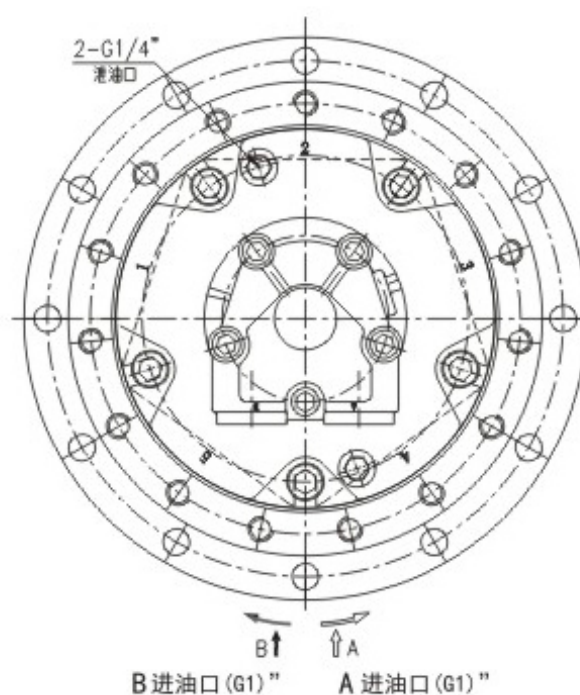
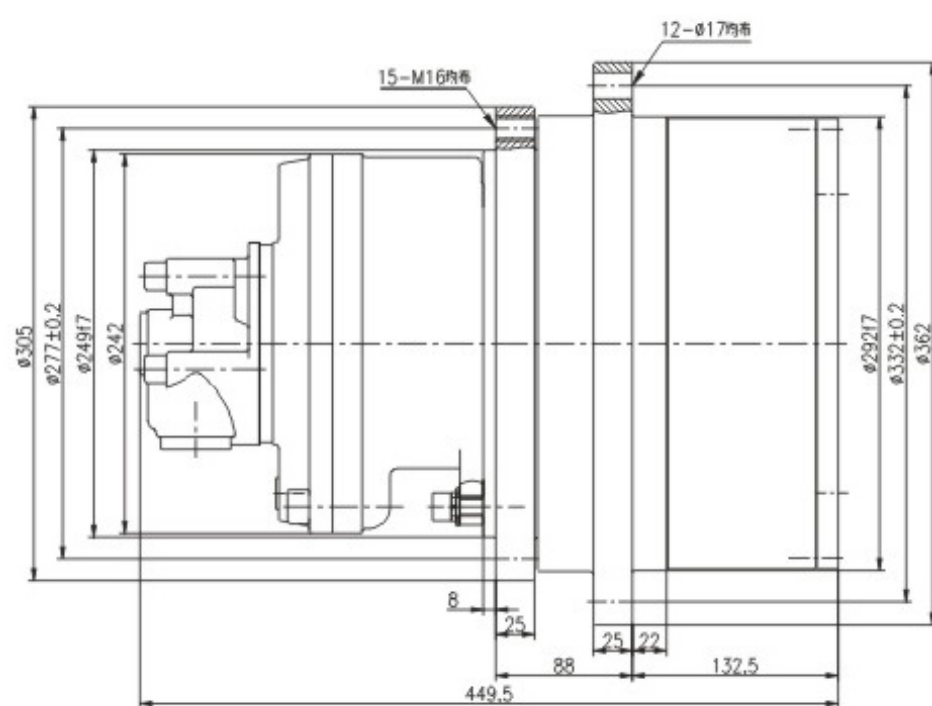
◆技术参数 Technical parameters

型号 Model	最大输出 扭矩 (N.m) Max output torque	转速 (r/min) Speed	传动比 Reduction ratio	最高压力 (Mpa) Max. pressure	总排量 (ml/r) Total displacement	液压马达排量 (ml/r) Displacement of motor	额定功率 (kw) Rated power	重量 (kg) Weight
PDL1400D1-H1-6.09	1400	0.1-160	6.09	21	487	80	14	40
PDL1700D1-H1-6.09	1700	0.1-150	6.09		609	100		
PDL2200D1-H1-6.09	2200	0.1-120	6.09		791	130		
PDL2700D1-H1-6.09	2700	0.1-110	6.09		974	160		
PDL3100D1-H1-6.09	3100	0.1-100	6.09		1187	195		



PDL-2 系列 PDL-2 series

◆外形尺寸 Dimension

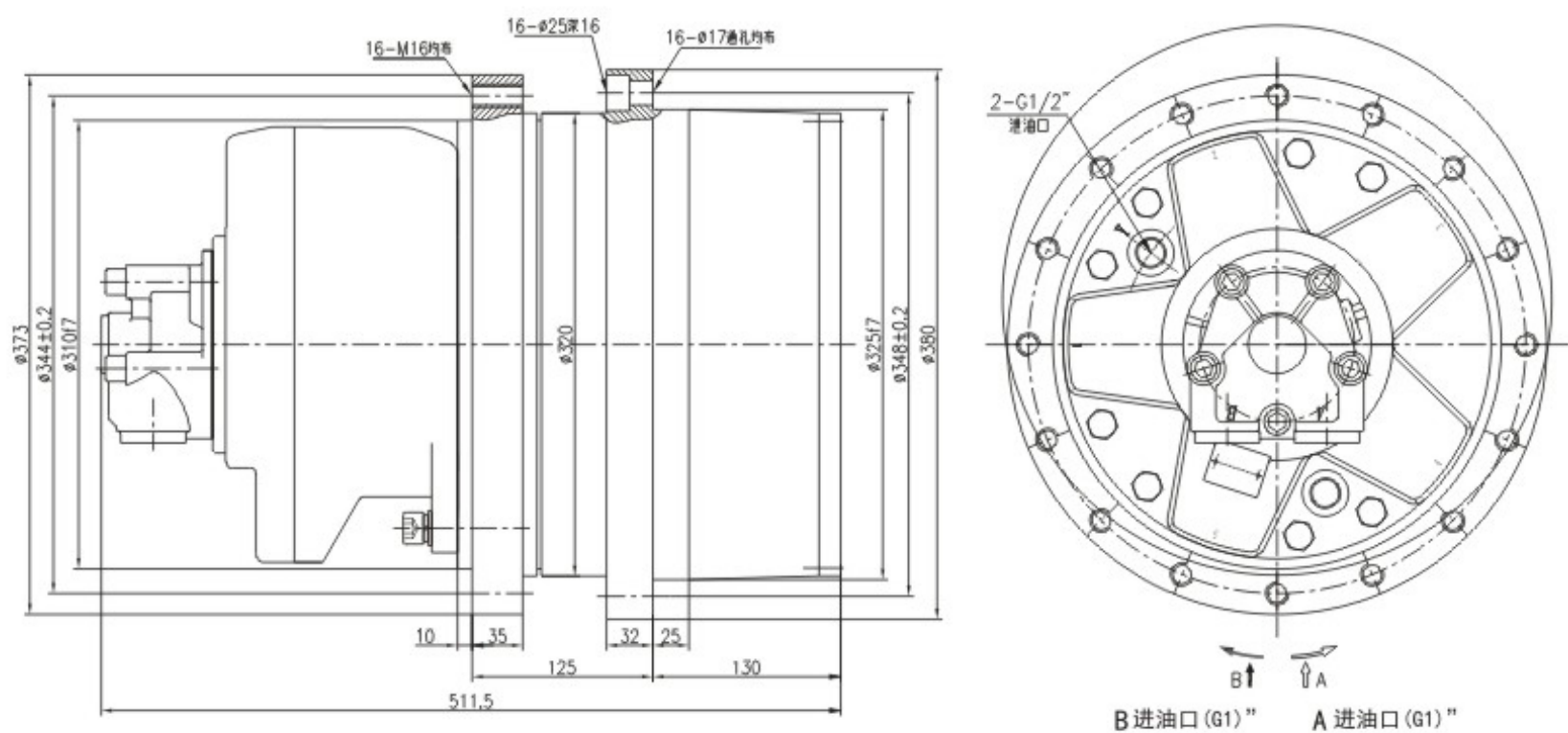


◆技术参数 Technical parameters

型号 Model	最大输出扭矩 (N.m) Max output torque	转速(r/min) Speed	传动比 Reduction ratio	最高压力 (Mpa) Max. pressure	总排量(ml/r) Total displacement	液压马达排量 (ml/r) Displacement of motor	额定功率 (kw) Rated power	重量 (kg) Weight
PDL3600D1-H2-5	3600	60	4.882	25	1186.3	243	32	110
PDL4300D1-H2-5	4300	60	4.882		1415.8	290		
PDL5000D1-H2-5	5000	60	4.882		1659.9	340		

PDL-3 系列 PDL-3 series

◆外形尺寸 Dimension



◆技术参数 Technical parameters

型号 Model	最大输出扭矩 (N.m) Max output torque	转速(r/min) Speed	传动比 Reduction ratio	最高压力 (Mpa) Max. pressure	总排量(ml/r) Total displacement	液压马达排量 (ml/r) Displacement of motor	额定功率 (kw) Rated power	重量 (kg) Weight
PDL7000D1-H1-6	7000	50	6	21	2550	425	47	220
PDL8000D1-H1-6	8000	50	6		2958	493		
PDL9000D1-H1-6	9000	50	6		3390	565		



GFT 系列行走减速机 GFT series traveling reducer

◆概述 Introduction

GFT 系列行走减速机是传动机构中的理想减速部件。由于其结构形式特别紧凑，因此这种减速机能应用在安装环境极端困难的地方。该产品采用先进的设计技术和先进的加工手段，有效地保证了高的承载能力和运行的可靠性。

GFT 减速机不仅符合力士乐系列标准，还可根据具体需要，设计提供与意大利布雷维尼、日本帝人、不二越、KYB、Fairfield 或萨澳相似的替代产品。由于本公司具有很强的创新设计能力，因此我们可为客户提供咨询服务和合理选型，以期为客户找到最适合的产品解决方案。

根据设计要求，减速机不仅能与力士乐型定量或变量液压马达相连接，如有必要也可以与其它液压马达相匹配。减速机输入端可根据需要安装弹簧制动、液压释放的多片式停车制动器。制动器的静制动扭矩与所配液压马达输入扭矩相适应（一般大于1.5 倍）。对于某些减速机还可根据要求安装机械脱离离合器，以便在紧急情况下由其他设备牵引。防止液压元件被损坏。

该类减速机产品已广泛用于旋挖钻机的主辅卷扬和履带行走驱动、履带起重机的主辅、变幅卷扬和履带驱动、各种钻机履带驱动、压路机、高空作业车轮子驱动、铣刨机和煤矿掘进机的动力头和行走驱动、船舶克令吊、码头和集装箱起重机的驱动机构。产品不但已在国内三一重工、徐工集团、中联重科等重点用户中使用，并出口到东南亚、印度、韩国、荷兰和俄罗斯等地区及国家。

GFT series traveling reducer is a ideal speed reduce part in the rotating mechanism. Due to its compact structure, it could be used in the severely hard installation conditions. The advanced designs as well as the process technology guarantee the high bearing capacity and the operation liability.

GFT series speed reducers not only meet the Bosch-Rexroth standards but also could offer the surrogate similar to Brevini, Tejin, Nachi, KYB, Fairfield or Sauer according to the specific demands and design. For we have strong creative style of design capacity, we could provide the customers with the consulting Service and suitable type selection to find the optimal products resolution for the clients.

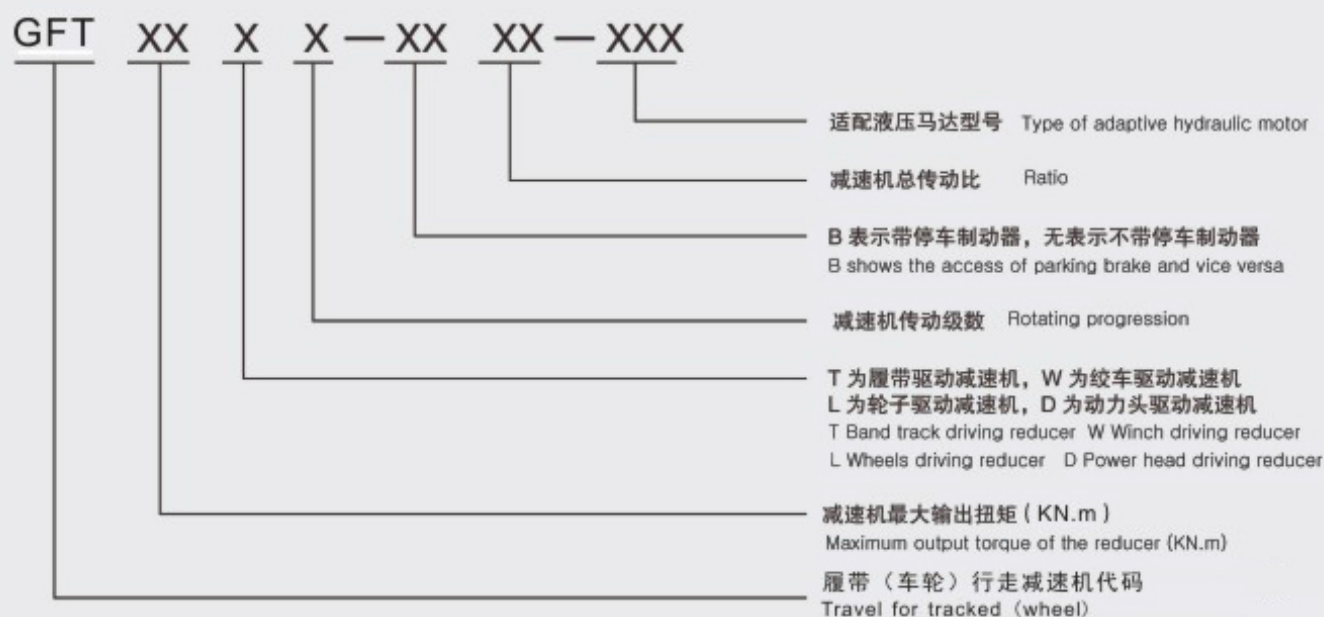
As per the design demand, the speed reducers could connect with the Bosch-Rexroth constant and variable hydraulic motors and at the same time could match the other hydraulic motors if necessary. The input end of the reducers could be equipped with spring brake and the multi-purpose hydraulic release parking brake according to different needs. The static braking torque of the brake goes with the hydraulic motor's input torque (generally 1.5 times bigger). According to different needs, some reducers could also be equipped with mechanically falling off clutch to be towed by other equipment under emergency, by which the hydraulic components could avoid being damaged.

Other products with different installation size and gear ratio. If you need us please don't hesitate to contact us.

This type of reducers has been broadly used for the winches of the rotary drilling rig and also for the bank track driving. And they could also apply to the Band track hoist, amplitude winches and bank track driving, many kinds of bank track driving for drilling rig, road roller, wheels driving for a lot of work, power Head and move driving for the milling machine and the mine tunneling machine and also to the driving facility for shipping cranes, wharf and containers hoist. The products not only have gone to Sany, XCMG and Zoomlion but also have been exported to Southeast Asia, India, Korea, the Netherlands and Russia.



◆型号说明 Specifications



◆型号举例 Specification example

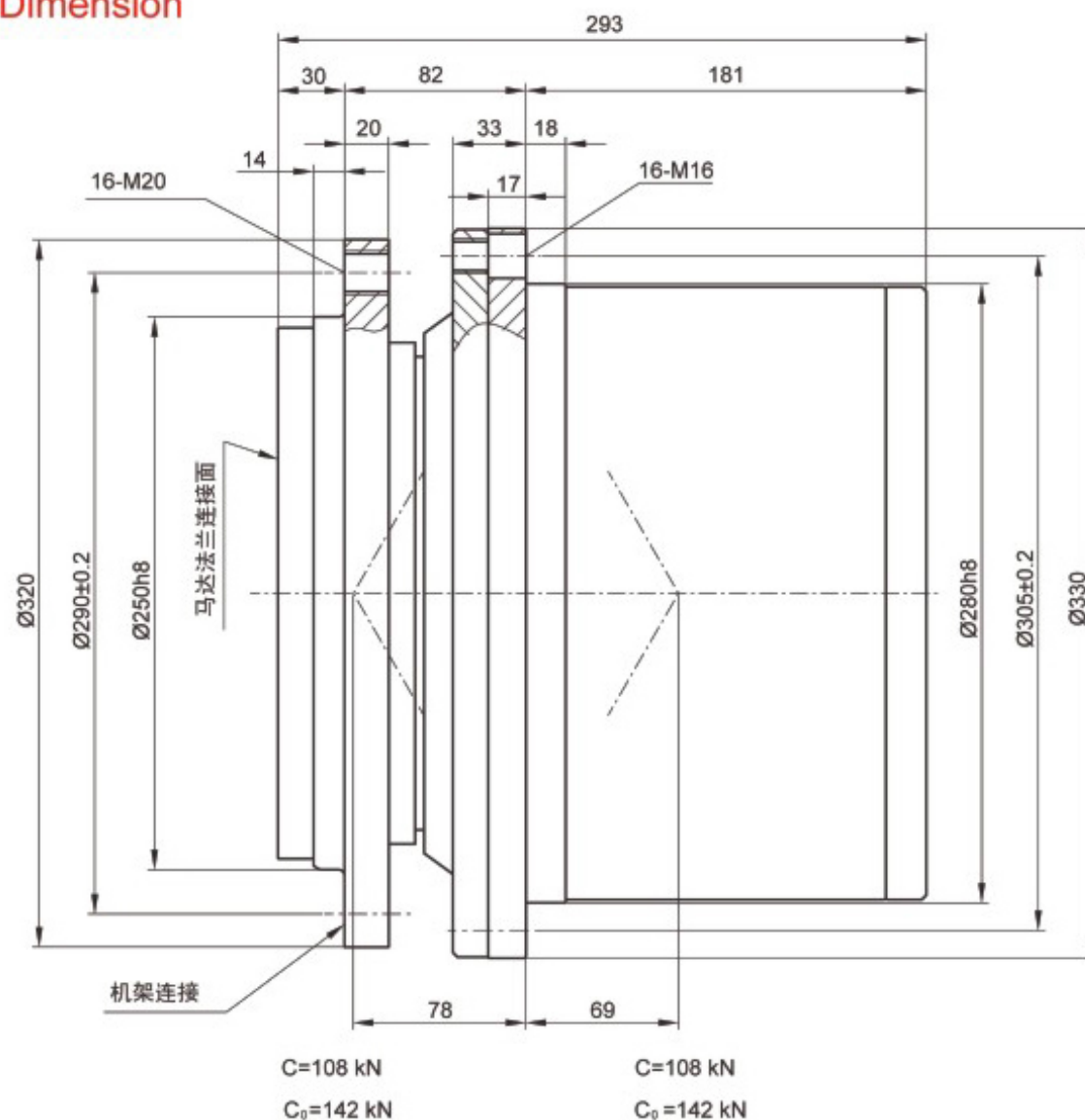
GFT60T3-B86-A2FE80/61WVZL10 表示该减速机最大输出扭矩为 60KN·m，用于行走驱动，采用三级行星减速，带停车制动器，总传动比为 86，所配液压马达型号为 A2FE80/61WVZL10。

GFT60T3-B86-A2FE80/61 WVZL10 shows that the maximum output torque of the reducer for move driving is 60KN.M. Adoption of the third class planet speed reducing and parking brake with the general rotating ratio of 86 and the hydraulic motor A2FE80/61 WVZL10.



GFT17T2 系列 GFT 17T2 series

◆外形尺寸 Dimension



◆技术参数 Technical parameters

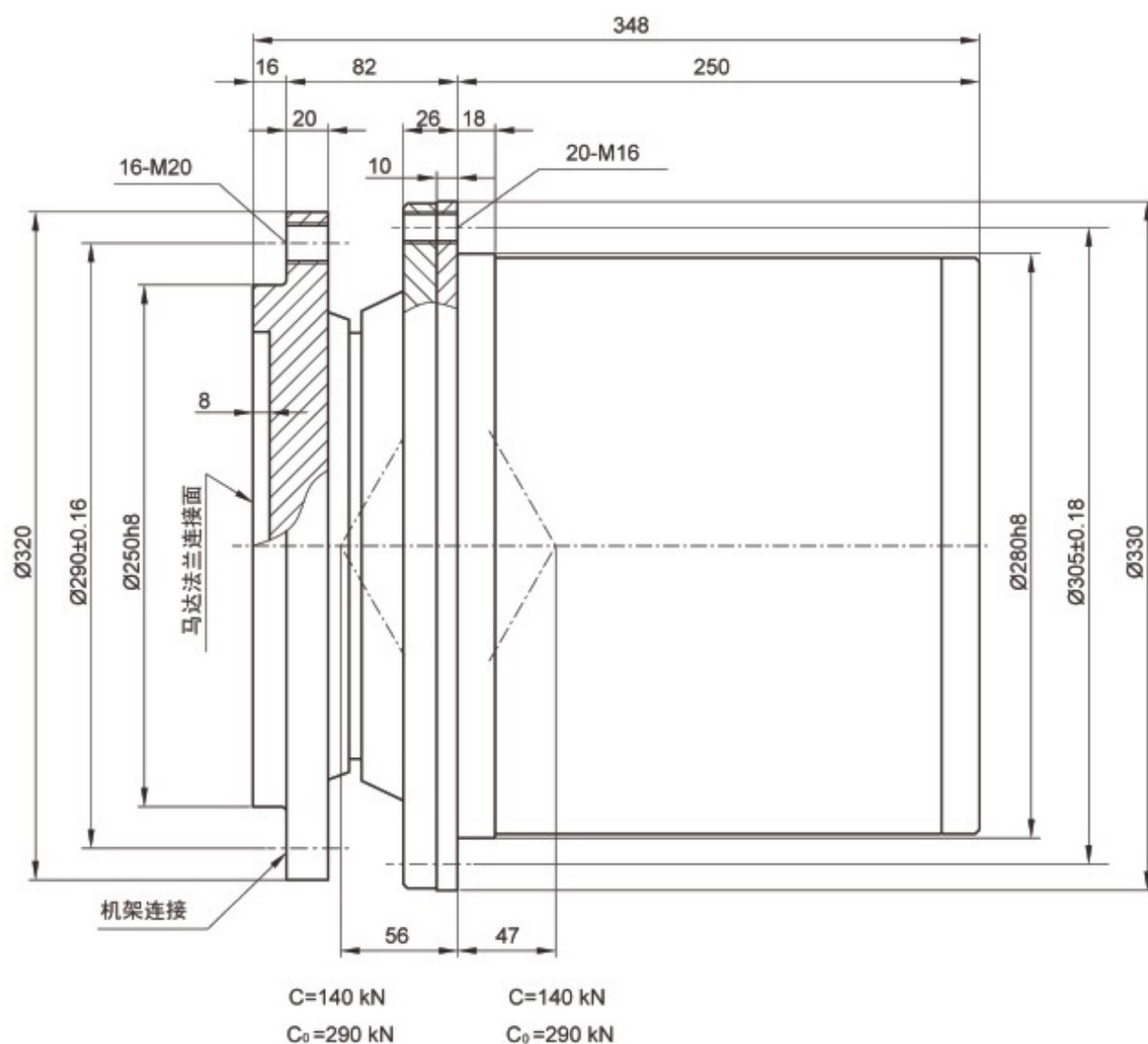
最大输出扭矩 Max output torque T_{max} N·m	传动比 Rotating ratio i	液压马达 Hydraulic motor		最高输入转速 Max input Rotating r/min	静制动扭矩 Static brake torque $T_{BR max}$ N·m	制动器工作压力 Brake working pressure MPa
17000	26.4 32.1 45.4 54	A2FE45 A2FE56 A2FE63	A6VE55	2000	500-1000	1.8-5

减速机输入转向与输出转向相反，除表中所列传动比外，对有批量的产品传动比可以另选。
输出转速允用值（样本中示规定）因实际工况的而有所变化，详情请咨询本公司相关技术人员。
减速机净重约 90kg。

Input rotating direction is of reverse to that of output and except the rotating ratio listed in the table, the rotating ratio for the bulk products could be otherwise chosen. The allowed value for the output rotating (as stated in the example) may varies according to the specific working condition and details could be consulted with our technicians. The net weight of the reducer is 90kg.

GFT24T3 系列 GFT 24T3 series

◆外形尺寸 Dimension



◆技术参数 Technical parameters

最大输出扭矩 Max output torque T _{max} N·m	传动比 Rotating ratio i	液压马达 Hydraulic motor	最高输入转速 Max input Rotating r/min	静制动扭矩 Static brake torque T _{BR max.} N·m	制动器工作压力 Brake working pressure MPa
24000	90.1 102.6 120.5	A2FE45 A2FE56 A2FE63	A6VE55 2000	400-750	1.8-5

减速机输入转向与输出转向相反，除表中所列传动比外，对有批量的产品传动比可以另选。

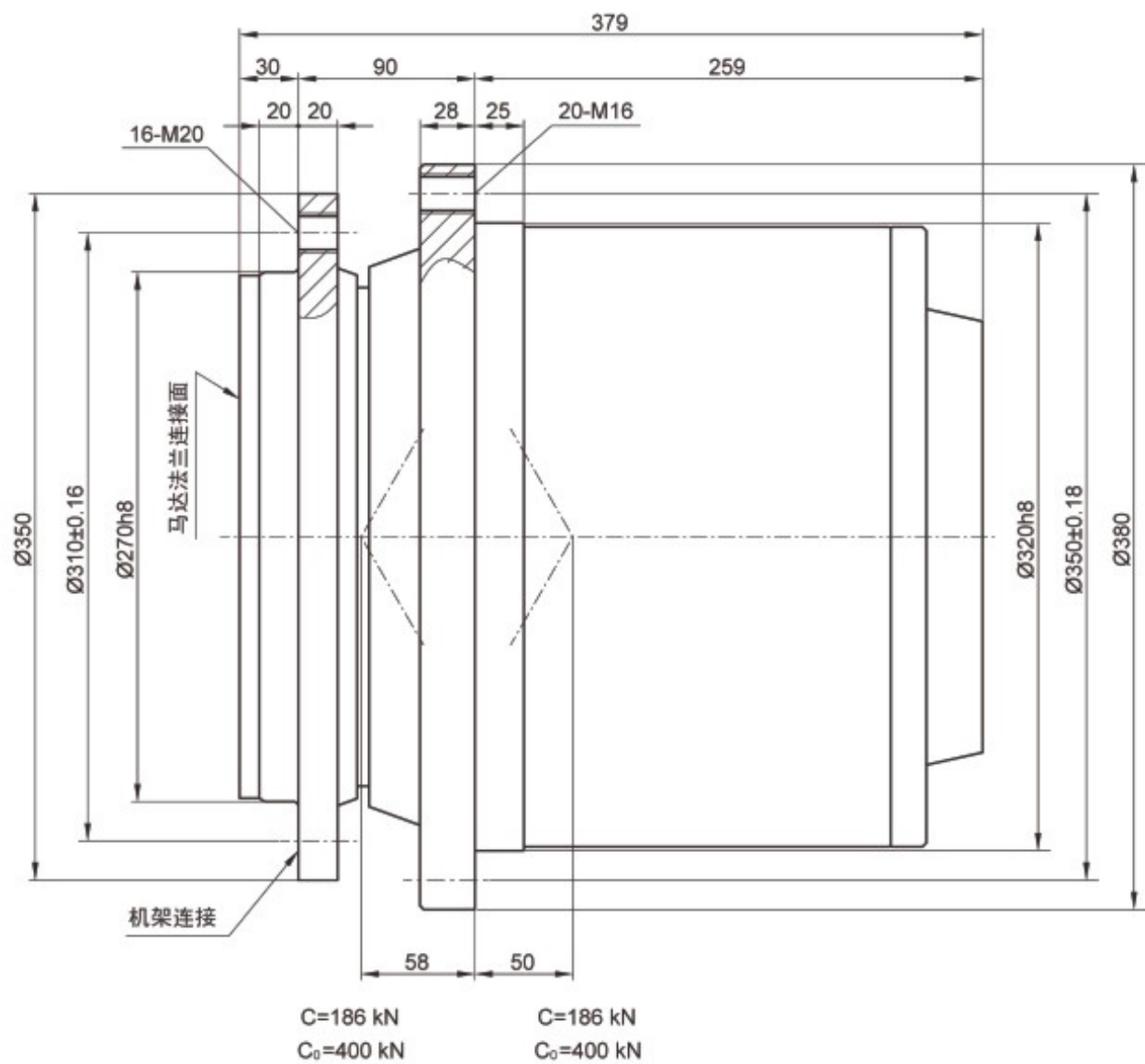
输出转速允用值（样本中示规定）因实际工况的而有所变化，详情请咨询本公司相关技术人员。

减速机净重约 120kg。

Input rotating direction is of reverse to that of output and except the rotating ratio listed in the table, the rotating ratio for the bulk products could be otherwise chosen. The allowed value for the output rotating (as stated in the example) may varies according to the specific working condition and details could be consulted with our technicians. The net weight of the reducer is 120kg.

GFT36T3 系列 GFT 36T3 series

外形尺寸 Dimension



技术参数 Technical parameters

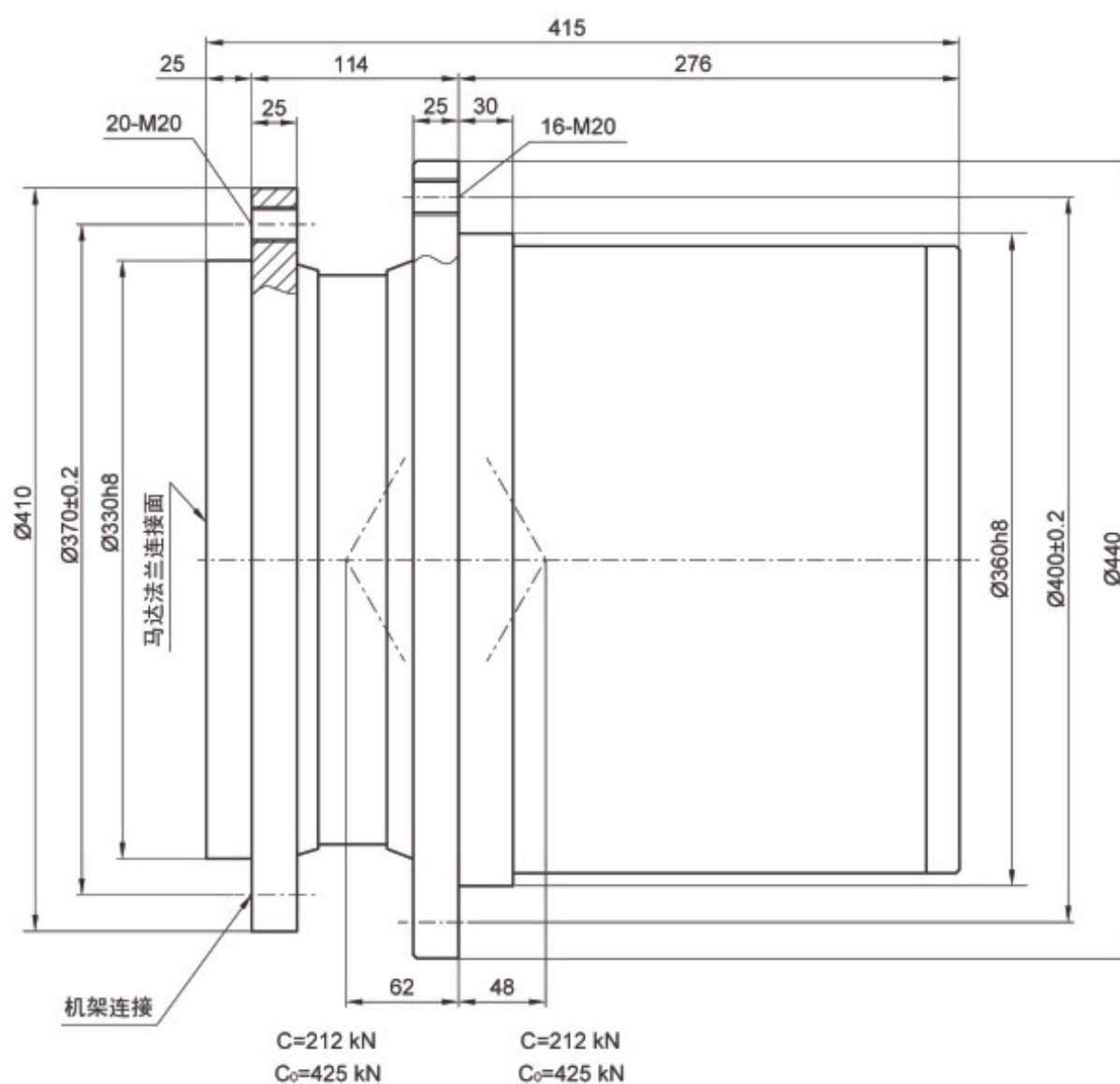
最大输出扭矩 Max output torque T _{max} N•m	传动比 Rotating ratio i	液压马达 Hydraulic motor		最高输入转速 Max input Rotating r/min	静制动扭矩 Static brake torque T _{BR max.} N•m	制动器工作压力 Brake working pressure MPa
36000	67 79.4 100 116.6	A2FE45 A2FE56 A2FE63 A2FE80 A2FE90	A6VE55 A6VE80	2000	450-800	1.8-5

减速机输入转向与输出转向相反，除表中所列传动比外，对有批量的产品传动比可以另选。
输出转速允用值（样本中示规定）因实际工况的而有所变化，详情请咨询本公司相关技术人员。
减速机净重约 165kg。
Input rotating direction is of reverse to that of output and except the rotating ratio listed in the table, the rotating ratio for the bulk products could be otherwise chosen. The allowed value for the output rotating (as stated in the example) may varies according to the specific working condition and details could be consulted with our technicians. The net weight of the reducer is 165kg.



GFT50T3 系列 GFT 50T3 series

◆外形尺寸 Dimension



◆技术参数 Technical parameters

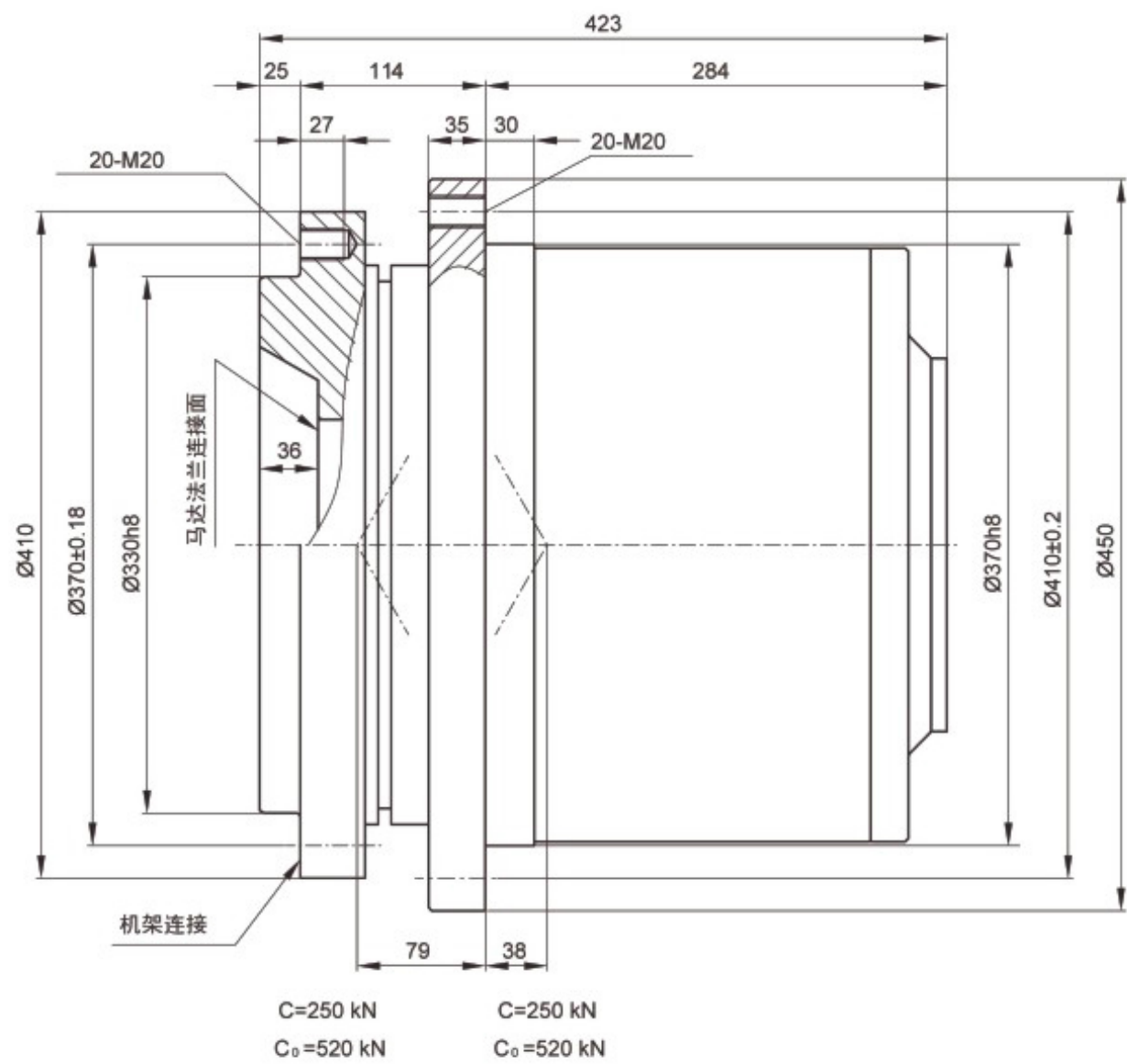
最大输出扭矩 Max output torque $T_{\max}$ N·m	传动比 Rotating ratio i	液压马达 Hydraulic motor		最高输入转速 Max input Rotating r/min	静制动扭矩 Static brake torque $T_{BR \max}$ N·m	制动器工作压力 Brake working pressure MPa
50000	84.2 91.1 99.8 125.7 146.4	A2FE80 A2FE90	A6VE80 A6VE107	2000	600-1100	1.8-5

减速机输入转向与输出转向相反，除表中所列传动比外，对有批量的产品传动比可以另选。
输出转速允用值（样本中示规定）因实际工况的而有所变化，详情请咨询本公司相关技术人员。
减速机净重约 220kg。

Input rotating direction is of reverse to that of output and except the rotating ratio listed in the table, the rotating ratio for the bulk products could be otherwise chosen. The allowed value for the output rotating (as stated in the example) may varies according to the specific working condition and details could be consulted with our technicians. The net weight of the reducer is 220kg.

GFT60T3 系列 GFT 60T3 series

外形尺寸 Dimension



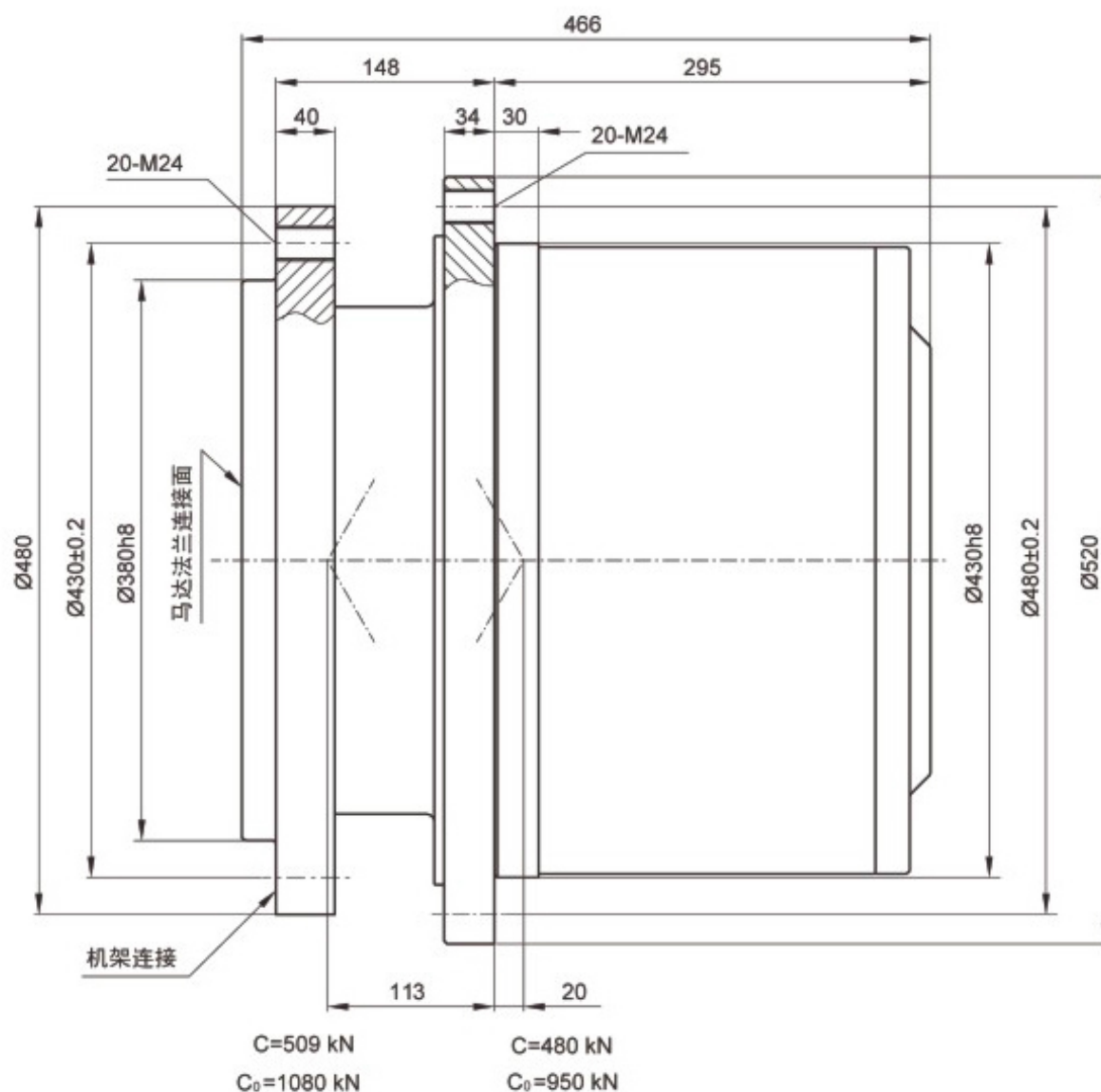
技术参数 Technical parameters

最大输出扭矩 Max output torque T_{max} N·m	传动比 Rotating ratio i	液压马达 Hydraulic motor		最高输入转速 Max input Rotating r/min	静制动扭矩 Static brake torque $T_{BR\ max}$ N·m	制动器工作压力 Brake working pressure MPa
60000	86.5 94.8 105.5 119.8 139.9 169.9	A2FE80 A2FE90 A2FE107 A2FE125	A6VE80 A6VE107 A6VE160	2000	800-1200	1.8-5

减速机输入转向与输出转向相反，除表中所列传动比外，对有批量的产品传动比可以另选。
输出转速允用值（样本中示规定）因实际工况的而有所变化，详情请咨询本公司相关技术人员。
减速机净重约 230kg。
Input rotating direction is of reverse to that of output and except the rotating ratio listed in the table, the rotating ratio for the bulk products could be otherwise chosen. The allowed value for the output rotating (as stated in the example) may varies according to the specific working condition and details could be consulted with our technicians. The net weight of the reducer is 230kg.

GFT80T3 系列 GFT 80T3 series

◆外形尺寸 Dimension



◆技术参数 Technical parameters

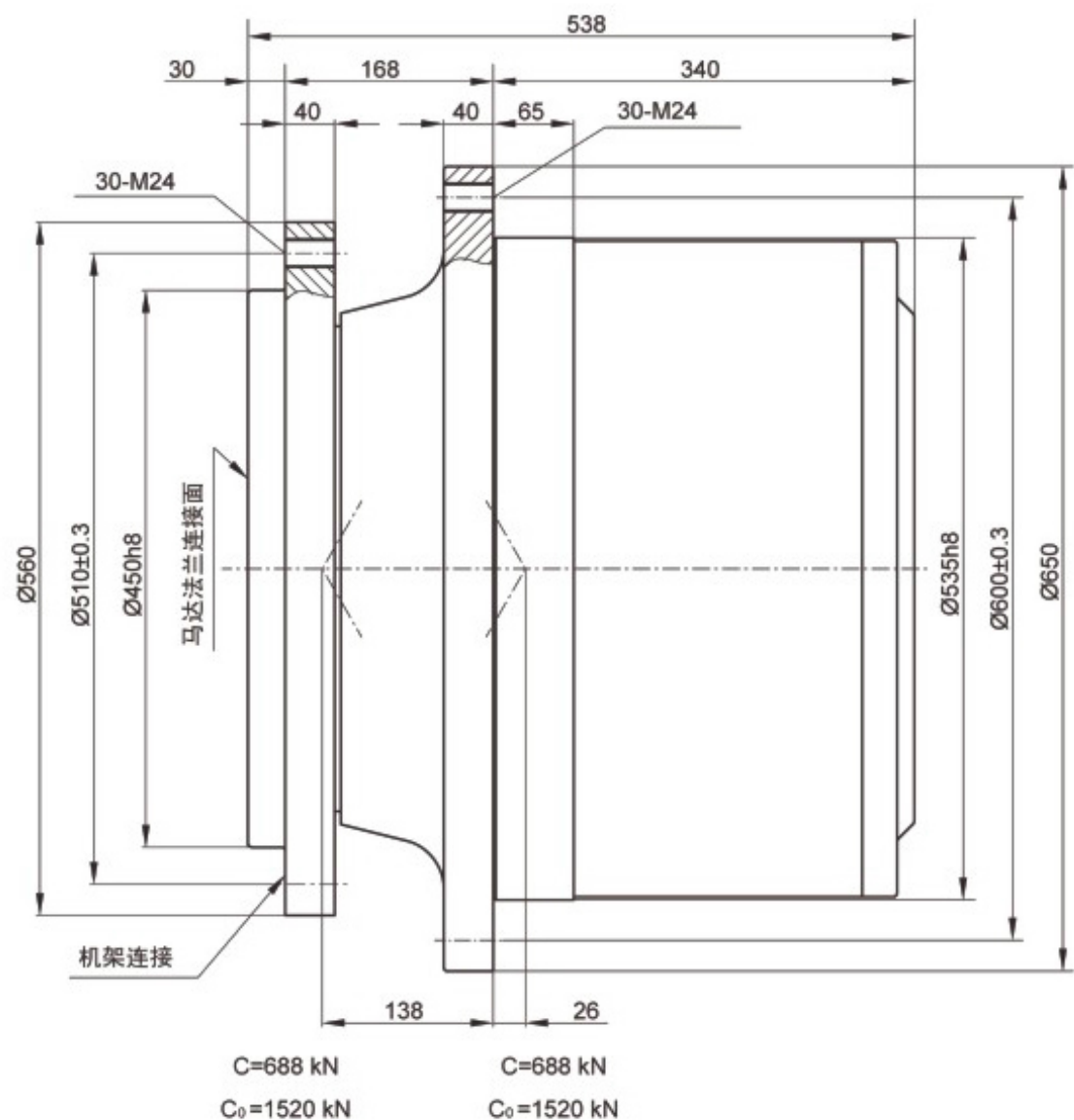
最大输出扭矩 Max output torque T _{max} N·m	传动比 Rotating ratio i	液压马达 Hydraulic motor		最高输入转速 Max input Rotating r/min	静制动扭矩 Static brake torque T _{BR max.} N·m	制动器工作压力 Brake working pressure MPa
80000	76.7 99 110.9 126.9 149.9 185.4	A2FE107 A2FE125 A2FE160 A2FE180	A6VE107 A6VE160	2000	800-1600	1.8-5

减速机输入转向与输出转向相反，除表中所列传动比外，对有批量的产品传动比可以另选。
输出转速允用值（样本中示规定）因实际工况的而有所变化，详情请咨询本公司相关技术人员。
减速机净重约 350kg。

Input rotating direction is of reverse to that of output and except the rotating ratio listed in the table, the rotating ratio for the bulk products could be otherwise chosen. The allowed value for the output rotating (as stated in the example) may varies according to the specific working condition and details could be consulted with our technicians. The net weight of the reducer is 350kg.

GFT 160T3 系列 GFT 160T3 series

◆外形尺寸 Dimension



◆技术参数 Technical parameters

最大输出扭矩 Max output torque T _{max} N·m	传动比 Rotating ratio i	液压马达 Hydraulic motor		最高输入转速 Max input Rotating r/min	静制动扭矩 Static brake torque T _{BR max.} N·m	制动器工作压力 Brake working pressure MPa
160000	161.8 210.8 251	A2FE107 A2FE125 A2FE160 A2FE180	A6VE107 A6VE160	2000	900-2000	1.8-5

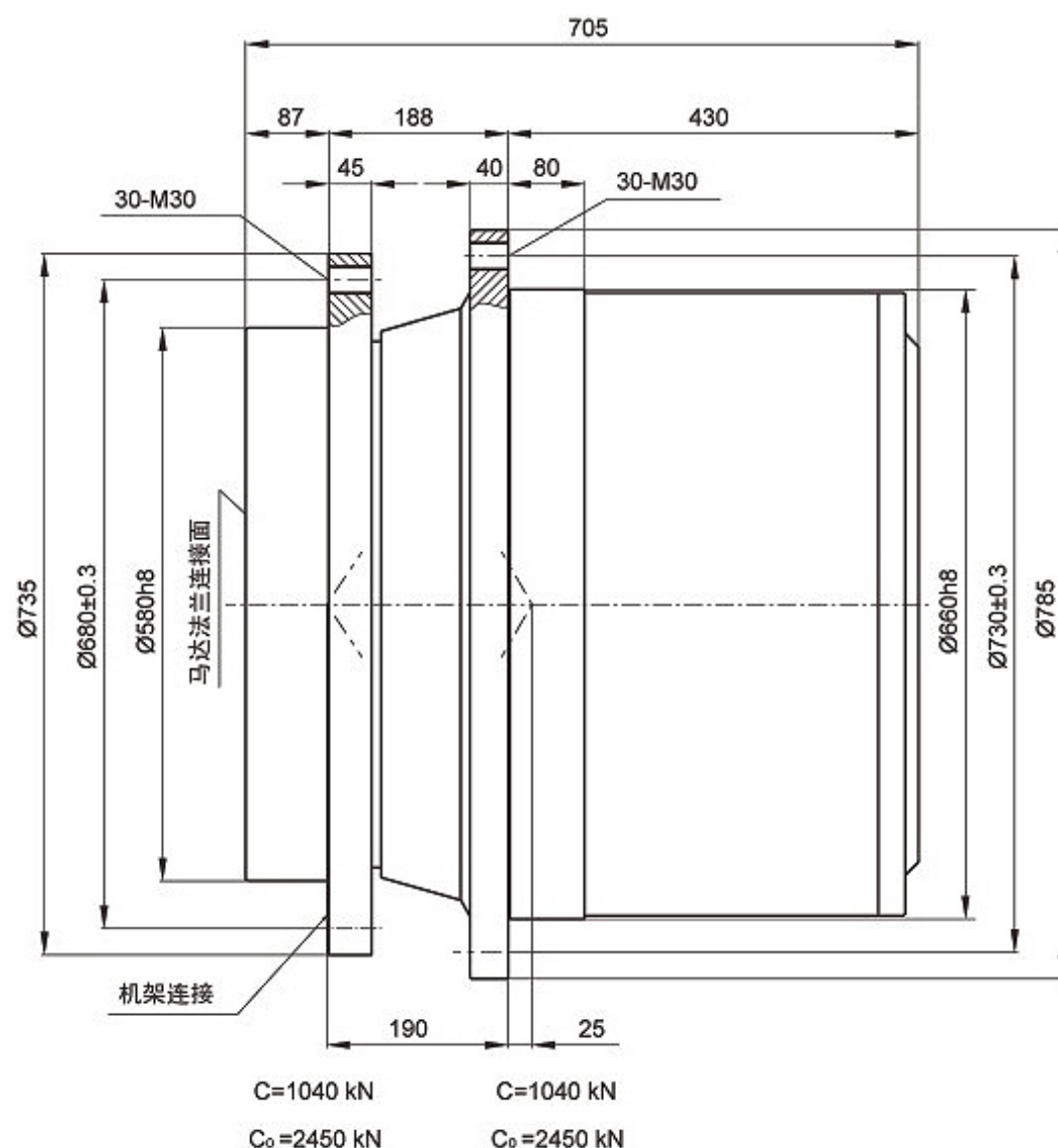
减速机输入转向与输出转向相反，除表中所列传动比外，对有批量的产品传动比可以另选。
输出转速允用值（样本中示规定）因实际工况的而有所变化，详情请咨询本公司相关技术人员。
减速机净重约 680kg。

Input rotating direction is of reverse to that of output and except the rotating ratio listed in the table, the rotating ratio for the bulk products could be otherwise chosen. The allowed value for the output rotating (as stated in the example) may varies according to the specific working condition and details could be consulted with our technicians. The net weight of the reducer is 680kg.



GFT330T3 系列 GFT 330T3 series

◆外形尺寸 Dimension



◆技术参数 Technical parameters

最大输出扭矩 Max output torque T_{max} N·m	传动比 Rotating ratio i	液压马达 Hydraulic motor		最高输入转速 Max input Rotating r/min	静制动扭矩 Static brake torque $T_{BR max.}$ N·m	制动器工作压力 Brake working pressure MPa
330000	168.9 209.9 252 302.4	A2FE250 A2FE355	A6VE250 A6VE355	2000	1500-3500	1.8-5

减速机输入转向与输出转向相反，除表中所列传动比外，对有批量的产品传动比可以另选。
输出转速允用值（样本中示规定）因实际工况的而有所变化，详情请咨询本公司相关技术人员。
减速机净重约 1230kg。

Input rotating direction is of reverse to that of output and except the rotating ratio listed in the table, the rotating ratio for the bulk products could be otherwise chosen. The allowed value for the output rotating (as stated in the example) may varies according to the specific working condition and details could be consulted with our technicians. The net weight of the reducer is 1230kg.

案例 case





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