E F CONTENT

回转减速机 Swing Drive MOBILEX WLB...B

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产品概述 Description

静液压回转减速机WLB···B是我公司在引进国外先进技术的基础上,自行研发设计并完全可以替代国内外同类产品,是工程机械中理想的回转驱动装置。主要适用于各式挖掘机、起重机、船舶卸货装置、林业设备,凡有旋转运动的设备都能够广泛的应用。

公司始终如一的高质量标准保证了我们的减速机具有优秀的承载能力和杰出的工作可靠性。外齿轮齿 表面的渗碳硬化及内齿圈的调质、氮化,使之具有低噪声运转的特点。齿轮经过优化设计后具有最高的安全裕度。



此外,减速机各部分尺寸及参数可根据用户需要进行重新设计,以满足用户对减速机的不同需求。无 论您何时需要,即使在项目阶段,我们随时准备着给您建议并提供帮助,以期为您找到最合适的解决办法。

The hydrostatic swing gears of WLB···B is developed and designed based on overseas advanced technology. It is an ideal driving component to easily substitute for other similar products. Swing gears are applied for excavator, crane, ship unloading equipment, forestry equipment and all slewing operations.

The constant high quality standard ensures the excellent load carrying ability and outstanding operational reliability. The use of case—hardened gearwheels and tempered, nitrated ring gear have resulted in low—noise running characteristics. Gears are optimized through calculation and keep highest safety margins.

Additionally the dimensions, specifications of gearbox can be designed on request. We will provide advice and assistance whenever needed, even in the project stage, to find the most appropriate solution for you.

结构特点 Special Features

- 模块化结构的高强度行星减速机
- 结构紧凑, 节省空间, 两级或三级行星齿轮传动设计
- 轴承系统坚固, 能吸收来自回转支承的外力作用
- 安装简单
- 内装多片式停车制动器
- High-duty planetary gearbox of modular construction
- Compact, space saving, two or three stage planetary gear design
- Robust bearing system absorbing the forces exerted by the ring gear
- Simple mounting
- Integrated multiple-disk holding brake

- 低噪声运转
- 高效率
- 长寿命
- 换油方便
- Low-noise running
- High efficiency
- Long service life
- Easy oil change

使用条件 Application

减速机设计适用环境温度范围为-20°C ~ +40°C,环境影响诸如咸水、咸气、沙尘、超压力、重振动、剧烈冲击以及环境温度、侵入介质及类似问题将会妨碍产品功能,为了实现减速机的安全设计,此类工况条件必须报告至我公司。

The gearbox has been designed for use at ambient temperatures ranging between $-20\,^{\circ}\text{C}$ and $+40\,^{\circ}\text{C}$. Environmental influence such as salt water, salty air, sand, dust, overpressure, heavy vibrations, extreme shocks and ambient temperatures, aggressive media and the like will impede the function of the gearbox. To enable safe design of gearbox these conditions must be reported to the factory.



减速机设计 Gearbox design

减速机设计基于多年的生产和实践经验。

技术参数中所指最大输出转矩T2max 对应于FEM 第一部分,第三版和 IX部分(FEM-欧盟标准),以及DIN15020,机构载荷状态分级L2,机构利用等级T5,对应于机构工作级别M5。

参考输出转速为最大25 r/min。

The gearbox design is based on years of practical application and production experience.

The Maximum output torques T2max indicated under technical data for crane applications related to FEM section 1, 3rd Edition and Section IX(FEM-Federation Europeenne de la Manutention), as well as DIN 15020, collective load class L2, service time category T5 corresponding to driver group M5.

The reference output speed is 25 revolutions / minute Max.

液压马达 Hydraulic Motor

本减速机设计可直接安装力士乐A2FE系列, A2FM系列, A6VE系列, A6VM系列马达, 也可安装国内外其它厂商的马达产品(需重新进行相应结构的设计)。

The gearbox design enable motors by Bosch Rexroth A2FE, A2FM, A6VE, A6VM, as well as motors by other brands (specific design request).

制动器 Brake

标准供货范围包括一个置于输入端的弹簧加载、液压释放多片式停车制动器。

TBr. (制动力矩)=1.3·T1(输入转矩)。

制动器接口为M12x1.5。

此停车制动器不能用于减速制动,制动力矩根据实际需要而设定。

在制动状态时,制动器释放油路中不得有背压。

推荐制动器最大开启油压不高于50bar,如果高于50bar请与我公司技术部门联系。

The standard supply scope includes a spring-loaded, hydraulically released multiple-disk parking brake arranged on the input side.

 $T_{Br.} = 1.3 \cdot T_1(input torque).$

Dimension of brake connection, M12 x1.5.

The multiple–disk holding brake is not to be used as service brake, The holding torque multiples with the transmission ratio selected.

Backpressure is forbidden in the brake release oil circle.

The recommended opening oil pressure should be less than 50bar, pls. consult with our technical engineer if the pressure is higher than 50bar.



润滑 Lubrication

齿轮和轴承采用浸油润滑。

除定期换油外,减速机无需保养,换油非常方便。

换油时必须使用说明书中规定的专用油牌号(国内润滑油推荐使用长城润滑油: L-CKD220)。

对于相应使用工况所必需的换油周期, 请见说明书。

输出端支承采用锂基脂L-XBCHA3润滑。

The gear teeth and bearing will be splash lubricated.

Save for regular oil changed the drive units don not require maintenance. Changing the oil is done very easily.

Exclusively the oil brands recommended in the operating manual must be used for this work. (Great Wall L–CKD220 recommended).

The change intervals necessary for the relevant application conditions are also prescribed in the operating manuals.

The pinion-like antifriction bearing of the output shaft has been provided with grease filling L-XBCHA3.

供货范围 Supply Scope

标准供货范围:减速机+制动器。

Standard supply includes gearbox and brake.

减速机选型 Gearbox Selection

T2-输出转矩。

为了正确地选择减速机,应把计算输出转矩 T_2 与实际的机构工作级别系数K相乘得出修正的输出转矩 T_{2K} 。

T2K= T2・K(K按下表选取所对应的系数)。

减速机选型时T2K必须≤T2max(见样本)。

T2-output torque.

In order to select the gearboxes, corrected output torque T_{2k} should be calculated with output torque T_2 multiple factor K.

 $T_{2k} = T_2 \cdot K$ (K acc. To collective group given in the table below).

T2k of the gearboxes to be selected must be≤T2max.

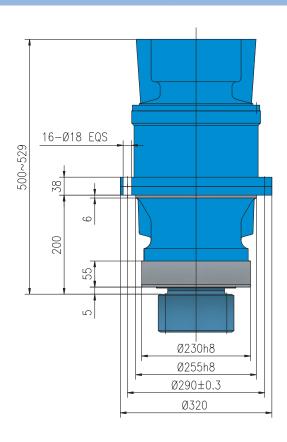


机构工作级别和机构利用等级(按FEM,第一部分,第三版,1987)

Driver Group and Service Time Categories to FEM (FEM, section I, 3rd Issue 1987)

机构利用等级 Service time category				T2	Т3	T4	Т5	Т6	T7	Т8
假定每天平均工作时间(小时) Assumed average service time per day in hours			age service	0.25-0.5	0.5-1	1–2	2–4	4-8	8–16	>16
			(小时) ice life in hours	400-800	800-1600	1600–3200	3200-6300	6300-12500	12500-25000	25000-50000
		态分级 /e load	l class				为工作级别系·Group with K			
载	L1	轻 tugin	偶尔承受最大 载荷,经常承 受轻的载荷 Maximum loads occurring in exceptional cases only, slight loads constantly	M1 0.90	M2 0.90	M3 0.90	M4 0.90	M5 0.95	M6 1.05	M7 1.2
荷状态组 sdnoug exipelloo	L2	Medium 中	工作时间内轻、中和最大载荷分布均匀 small, medium and maximum loads about equally distributed over service time	M2 0.90	M3 0.95	M4 0.95	M5 1	M6 1.15	M7 1.30	M8 1.50
Collect	L3	Heavy 重	经常承受接近 最大的载荷 Loads always near maximum	M3 1.05	M4 1.05	M5 1.10	M6 1.25	M7 1.40	M8 1.60	M8 1.80
	L4	特 (Nery heavy	经常承受最大 的载荷 Always maximum loads	M4 1.25	M5 1.30	M6 1.45	M7 1.65	M8 1.85	M8 2.10	M8 2.40

WLB17B上法兰 WLB17B Upper Flange

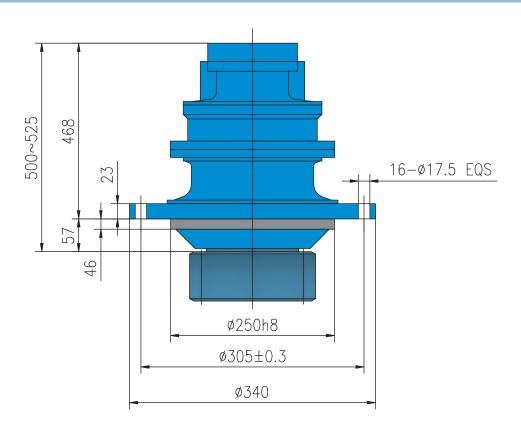


最大输出转矩 Output Torque T _{2max} N _m		传动比 i Ratio i	液压马达 Hydraulic Motor	减速机重量约Kg Gearbox Weight Kg (无液压油、无马达) (without hydraulic oil and motor)
挖掘机 Excavator	起重机 Crane	18.86; 20.9; 23.62; 27.43; 33.14; 38.57; 46.42; 54.95; 65.24;	力士乐及国内外各种型号马 达,可根据客户的不同要求而 设计马达接口结构。	125
7700	12000	78.95; 89.23; 103.62; 171.24	Motors by Rexroth and other brands, connection to be designed on customer request	

- 1、更多速比需求请咨询我公司技术部门。
- 2、为方便用户安装和调整回转支承齿轮侧隙,可根据用户需要,减速机可以做成偏心的,偏心距为2.5毫米。
- 3、如需要特殊的传动解决方案,而又不在我们的产品范围内,请告知我们,我们可以根据要求进行变形设计,最大限度的满足您的使用要求。
- 1. For more ratio, pls. consult with our technical engineer.
- 2. On customer request, gearbox can be produced with eccentric distance 2.5mm, in order to ease installation and adjustment.
- 3. If any special request, pls. contact us. We will make modification design and meet your request.



WLB17B下法兰 WLB17B Lower Flange

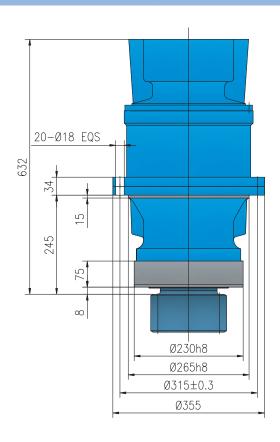


最大输出转矩 Output Torque T _{2max} N _m		传动比 i Ratio i	液压马达 Hydraulic Motor	减速机重量约Kg Gearbox Weight Kg (无液压油、无马达) (without hydraulic oil and motor)
挖掘机 Excavator	起重机 Crane	18.86; 20.9; 23.62; 27.43; 33.14; 38.57; 46.42; 54.95; 65.24;	力士乐及国内外各种型号马 达,可根据客户的不同要求而 设计马达接口结构。	125
7700	12000	78.95; 89.23; 103.62; 171.24	Motors by Rexroth and other brands, connection to be designed on customer request	

- 1、更多速比需求请咨询我公司技术部门。
- 2、为方便用户安装和调整回转支承齿轮侧隙,可根据用户需要,减速机可以做成偏心的,偏心距为2.5毫米。
- 3、如需要特殊的传动解决方案,而又不在我们的产品范围内,请告知我们,我们可以根据要求进行变形设计,最大限度的满足您的使用要求。
- 1. For more ratio, pls. consult with our technical engineer.
- 2. On customer request, gearbox can be produced with eccentric distance 2.5mm, in order to ease installation and adjustment.
- 3. If any special request, pls. contact us. We will make modification design and meet your request.



WLB24B上法兰 WLB24B Upper Flange

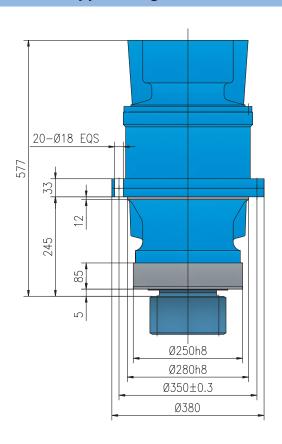


最大输出转矩 Output Torque T2max Nm		传动比 i Ratio i	液压马达 Hydraulic Motor	减速机重量约Kg Gearbox Weight Kg (无液压油、无马达) (without hydraulic oil and motor)
挖掘机 Excavator	起重机 Crane	38.82; 43.39; 46.73; 91.13; 103.63; 121.5; 138.18;	力士乐及国内外各种型号马 达,可根据客户的不同要求而 设计马达接口结构。	165
10600	17500	174.66; 198.63; 210.29; 239.15; 222.07	Motors by Rexroth and other brands, connection to be designed on customer request	

- 1、更多速比需求请咨询我公司技术部门。
- 2、为方便用户安装和调整回转支承齿轮侧隙,可根据用户需要,减速机可以做成偏心的,偏心距为2.5毫米。
- 3、如需要特殊的传动解决方案,而又不在我们的产品范围内,请告知我们,我们可以根据要求进行变形设计,最大限度的满足您的使用要求。
- 1. For more ratio, pls. consult with our technical engineer.
- 2. On customer request, gearbox can be produced with eccentric distance 2.5mm, in order to ease installation and adjustment.
- 3. If any special request, pls. contact us. We will make modification design and meet your request.



WLB26B上法兰 WLB26B Upper Flange

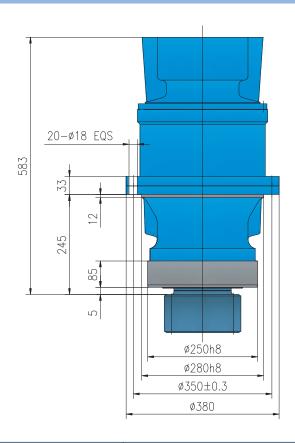


最大输出转矩 Output Torque T2max Nm		传动比 i Ratio i	液压马达 Hydraulic Motor	减速机重量约Kg Gearbox Weight Kg (无液压油、无马达) (without hydraulic oil and motor)
挖掘机 Excavator	起重机 Crane	31.36; 37.8; 43.9; 51.52; 55.2; 63	力士乐及国内外各种型号马 达,可根据客户的不同要求而 设计马达接口结构。	225
10000	16500		Motors by Rexroth and other brands, connection to be designed on customer request	

- 1、更多速比需求请咨询我公司技术部门。
- 2、为方便用户安装和调整回转支承齿轮侧隙,可根据用户需要,减速机可以做成偏心的,偏心距为2.5毫米。
- 3、如需要特殊的传动解决方案,而又不在我们的产品范围内,请告知我们,我们可以根据要求进行变形设计,最大限度的满足您的使用要求。
- 1. For more ratio, pls. consult with our technical engineer.
- 2. On customer request, gearbox can be produced with eccentric distance 2.5mm, in order to ease installation and adjustment.
- 3. If any special request, pls. contact us. We will make modification design and meet your request.



WLB34B上法兰 WLB34B Upper Flange

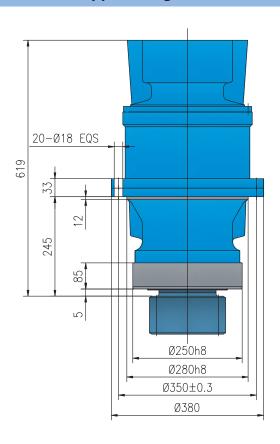


最大输出转矩 Output Torque T _{2max} N _m		传动比 i Ratio i	液压马达 Hydraulic Motor	减速机重量约Kg Gearbox Weight Kg (无液压油、无马达) (without hydraulic oil and motor)
挖掘机 Excavator	起重机 Crane	31.36; 37.8; 43.9; 51.52; 55.2; 63	力士乐及国内外各种型号马 达,可根据客户的不同要求而 设计马达接口结构。	240
16000	25000		Motors by Rexroth and other brands, connection to be designed on customer request	

- 1、更多速比需求请咨询我公司技术部门。
- 2、为方便用户安装和调整回转支承齿轮侧隙,可根据用户需要,减速机可以做成偏心的,偏心距为2.5毫米。
- 3、如需要特殊的传动解决方案,而又不在我们的产品范围内,请告知我们,我们可以根据要求进行变形设计,最大限度的满足您的使用要求。
- 1. For more ratio, pls. consult with our technical engineer.
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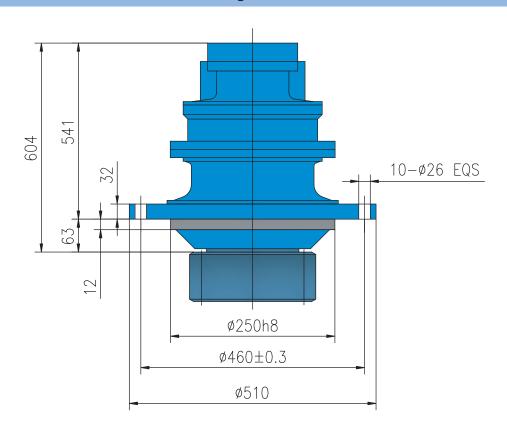
WLB36B上法兰 WLB36B Upper Flange



最大输出转矩 Output Torque T _{2max} N _m		传动比 i Ratio i	液压马达 Hydraulic Motor	减速机重量约Kg Gearbox Weight Kg (无液压油、无马达) (without hydraulic oil and motor)
挖掘机 Excavator	起重机 Crane	33.57; 39.43; 48.2; 67.96; 80.36; 101.02; 117.55;	力士乐及国内外各种型号马 达,可根据客户的不同要求而 设计马达接口结构。	210 ~ 260
17500	28500	132; 139.82; 162.26; 270	Motors by Rexroth and other brands, connection to be designed on customer request	

- 1、更多速比需求请咨询我公司技术部门。
- 2、为方便用户安装和调整回转支承齿轮侧隙,可根据用户需要,减速机可以做成偏心的,偏心距为2.5毫米。
- 3、如需要特殊的传动解决方案,而又不在我们的产品范围内,请告知我们,我们可以根据要求进行变形设计,最大限度的满足您的使用要求。
- 1. For more ratio, pls. consult with our technical engineer.
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- 3. If any special request, pls. contact us. We will make modification design and meet your request.

WLB36B下法兰 WLB36B Lower Flange

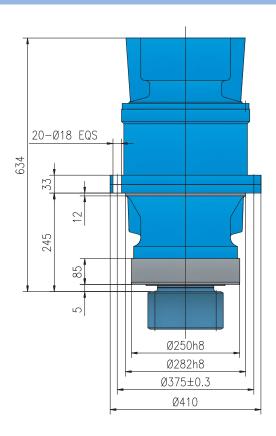


最大输出转矩 Output Torque T2max Nm		传动比 i Ratio i	液压马达 Hydraulic Motor	减速机重量约Kg Gearbox Weight Kg (无液压油、无马达) (without hydraulic oil and motor)
挖掘机 Excavator	起重机 Crane	33.57; 39.43; 48.2; 67.96; 80.36; 101.02; 117.55;	力士乐及国内外各种型号马 达,可根据客户的不同要求而 设计马达接口结构。	210 ~ 260
17500	28500	132; 139.82; 162.26; 270	Motors by Rexroth and other brands, connection to be designed on customer request	

- 1、更多速比需求请咨询我公司技术部门。
- 2、为方便用户安装和调整回转支承齿轮侧隙,可根据用户需要,减速机可以做成偏心的,偏心距为2.5毫米。
- 3、如需要特殊的传动解决方案,而又不在我们的产品范围内,请告知我们,我们可以根据要求进行变形设计,最大限度的满足您的使用要求。
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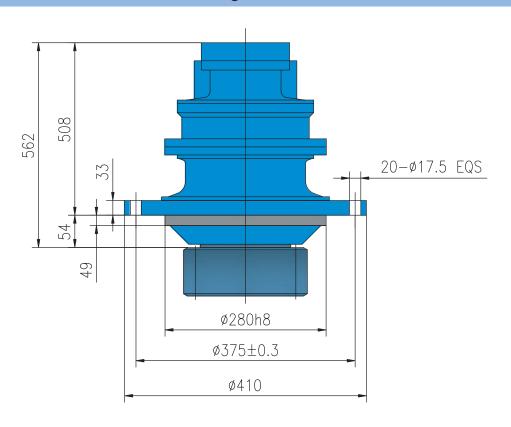
WLB40B上法兰 WLB40B Upper Flange



最大输出转矩 Output Torque T _{2max} N _m		传动比 i Ratio i	液压马达 Hydraulic Motor	减速机重量约Kg Gearbox Weight Kg (无液压油、无马达) (without hydraulic oil and motor)
挖掘机 Excavator	起重机 Crane	36.88; 42.04; 49.28; 60.13	力士乐及国内外各种型号马 达,可根据客户的不同要求而 设计马达接口结构。	250
18000	29000		Motors by Rexroth and other brands, connection to be designed on customer request	

- 1、更多速比需求请咨询我公司技术部门。
- 2、为方便用户安装和调整回转支承齿轮侧隙,可根据用户需要,减速机可以做成偏心的,偏心距为2.5毫米。
- 3、如需要特殊的传动解决方案,而又不在我们的产品范围内,请告知我们,我们可以根据要求进行变形设计,最大限度的满足您的使用要求。
- 1. For more ratio, pls. consult with our technical engineer.
- 2. On customer request, gearbox can be produced with eccentric distance 2.5mm, in order to ease installation and adjustment.
- 3. If any special request, pls. contact us. We will make modification design and meet your request.

WLB40B下法兰 WLB40B Lower Flange

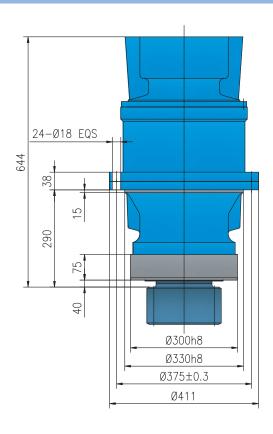


最大输出转矩 Output Torque T _{2max} N _m		传动比 i Ratio i	液压马达 Hydraulic Motor	减速机重量约Kg Gearbox Weight Kg (无液压油、无马达) (without hydraulic oil and motor)
挖掘机 Excavator	起重机 Crane	36.88; 42.04; 49.28; 60.13	力士乐及国内外各种型号马 达,可根据客户的不同要求而 设计马达接口结构。	250
18000	29000		Motors by Rexroth and other brands, connection to be designed on customer request	

- 1、更多速比需求请咨询我公司技术部门。
- 2、为方便用户安装和调整回转支承齿轮侧隙,可根据用户需要,减速机可以做成偏心的,偏心距为2.5毫米。
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- 1. For more ratio, pls. consult with our technical engineer.
- 2. On customer request, gearbox can be produced with eccentric distance 2.5mm, in order to ease installation and adjustment.
- 3. If any special request, pls. contact us. We will make modification design and meet your request.



WLB50B上法兰 WLB50B Upper Flange

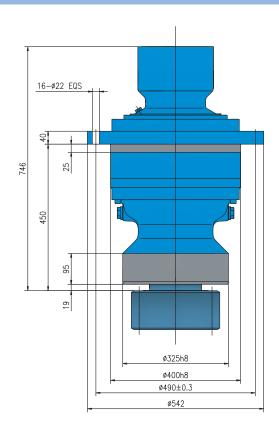


最大输出转矩 Output Torque T _{2max} N _m		传动比 i Ratio i	液压马达 Hydraulic Motor	减速机重量约Kg Gearbox Weight Kg (无液压油、无马达) (without hydraulic oil and motor)
挖掘机 Excavator	起重机 Crane	28.29; 37.8; 46.13; 81; 92.12; 100.75; 111.38; 126.66;	力士乐及国内外各种型号马 达,可根据客户的不同要求而 设计马达接口结构。	315
27800	48500	147.39; 156.94; 178.48; 193.45; 236.05	Motors by Rexroth and other brands, connection to be designed on customer request	

- 1、更多速比需求请咨询我公司技术部门。
- 2、为方便用户安装和调整回转支承齿轮侧隙,可根据用户需要,减速机可以做成偏心的,偏心距为2.5毫米。
- 3、如需要特殊的传动解决方案,而又不在我们的产品范围内,请告知我们,我们可以根据要求进行变形设计,最大限度的满足您的使用要求。
- 1. For more ratio, pls. consult with our technical engineer.
- 2. On customer request, gearbox can be produced with eccentric distance 2.5mm, in order to ease installation and adjustment.
- 3. If any special request, pls. contact us. We will make modification design and meet your request.



WLB60B上法兰 WLB60B Upper Flange

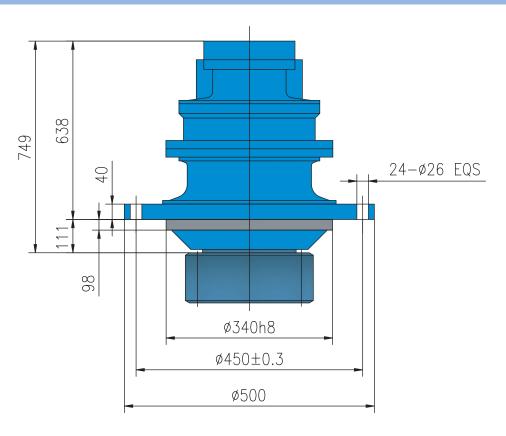


最大输出转矩 Output Torque T _{2max} N _m		传动比 i Ratio i	液压马达 Hydraulic Motor	减速机重量约Kg Gearbox Weight Kg (无液压油、无马达) (without hydraulic oil and motor)
挖掘机 Excavator	起重机 Crane	34.03; 40.41; 64.77; 87.46; 95.8; 106.53; 120.83; 151.53;	力士乐及国内外各种型号马 达,可根据客户的不同要求而 设计马达接口结构。	380~425
27800	48500	170.89	Motors by Rexroth and other brands, connection to be designed on customer request	

- 1、更多速比需求请咨询我公司技术部门。
- 2、为方便用户安装和调整回转支承齿轮侧隙,可根据用户需要,减速机可以做成偏心的,偏心距为2.5毫米。
- 3、如需要特殊的传动解决方案,而又不在我们的产品范围内,请告知我们,我们可以根据要求进行变形设计,最大限度的满足您的使用要求。
- 1. For more ratio, pls. consult with our technical engineer.
- 2. On customer request, gearbox can be produced with eccentric distance 2.5mm, in order to ease installation and adjustment.
- 3. If any special request, pls. contact us. We will make modification design and meet your request.



WLB60B下法兰 WLB60B Lower Flange

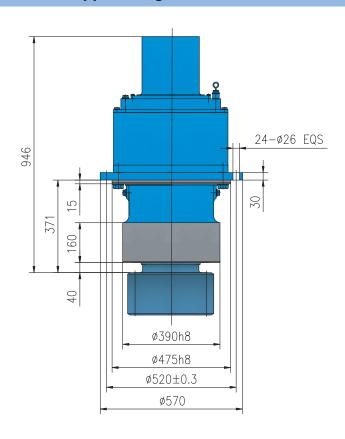


最大输出转矩 Output Torque T _{2max} N _m		传动比 i Ratio i	液压马达 Hydraulic Motor	减速机重量约Kg Gearbox Weight Kg. (无液压油、无马达) (without hydraulic oil and motor)
挖掘机 Excavator	起重机 Crane	34.03; 40.41; 64.77; 87.46; 95.8; 106.53; 120.83; 140.86;	力士乐及国内外各种型号马 达,可根据客户的不同要求而 设计马达接口结构。	380 ~ 425
27800	48500	151.53; 170.89	Motors by Rexroth and other brands, connection to be designed on customer request	

- 1、更多速比需求请咨询我公司技术部门。
- 2、为方便用户安装和调整回转支承齿轮侧隙,可根据用户需要,减速机可以做成偏心的,偏心距为2.5毫米。
- 3、如需要特殊的传动解决方案,而又不在我们的产品范围内,请告知我们,我们可以根据要求进行变形设计,最大限度的满足您的使用要求。
- 1. For more ratio, pls. consult with our technical engineer.
- 2. On customer request, gearbox can be produced with eccentric distance 2.5mm, in order to ease installation and adjustment.
- 3. If any special request, pls. contact us. We will make modification design and meet your request.



WLB80B上法兰 WLB80B Upper Flange

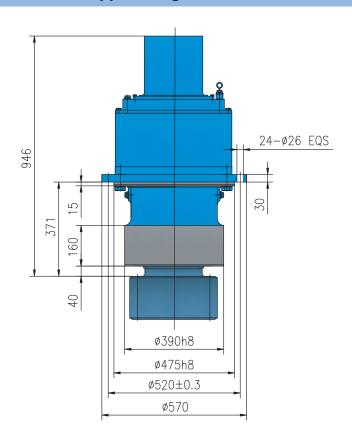


最大输出转矩 Output Torque T _{2max} N _m		传动比 i Ratio i	液压马达 Hydraulic Motor	减速机重量约Kg Gearbox Weight Kg. (无液压油、无马达) (without hydraulic oil and motor)
挖掘机 Excavator	起重机 Crane	62.28; 77.68; 80.15; 90.82; 99.97; 111.86; 127.94;	力士乐及国内外各种型号马 达,可根据客户的不同要求而 设计马达接口结构。	540
38200	68300	150.94; 186.43; 190.57	Motors by Rexroth and other brands, connection to be designed on customer request	

- 1、更多速比需求请咨询我公司技术部门。
- 2、为方便用户安装和调整回转支承齿轮侧隙,可根据用户需要,减速机可以做成偏心的,偏心距为2.5毫米。
- 3、如需要特殊的传动解决方案,而又不在我们的产品范围内,请告知我们,我们可以根据要求进行变形设计,最大限度的满足您的使用要求。
- 1. For more ratio, pls. consult with our technical engineer.
- 2. On customer request, gearbox can be produced with eccentric distance 2.5mm, in order to ease installation and adjustment.
- 3. If any special request, pls. contact us. We will make modification design and meet your request.



WLB110B上法兰 WLB110B Upper Flange

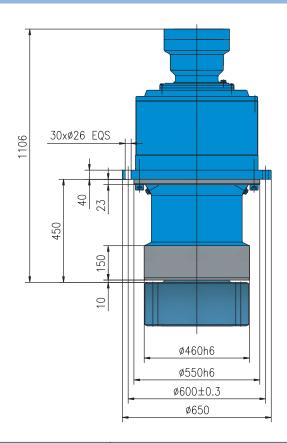


最大输出转矩 Output Torque T _{2max} N _m		传动比 i Ratio i	液压马达 Hydraulic Motor	减速机重量约Kg Gearbox Weight Kg. (无液压油、无马达) (without hydraulic oil and motor)
挖掘机 Excavator	起重机 Crane	62.28; 80.53; 88.64; 96.83; 105.23; 115.83; 129.6;	力士乐及国内外各种型号马 达,可根据客户的不同要求而 设计马达接口结构。	630
52000	93300	148.24; 165.31; 174.86; 196.79; 216	Motors by Rexroth and other brands, connection to be designed on customer request	

- 1、更多速比需求请咨询我公司技术部门。
- 2、为方便用户安装和调整回转支承齿轮侧隙,可根据用户需要,减速机可以做成偏心的,偏心距为2.5毫米。
- 3、如需要特殊的传动解决方案,而又不在我们的产品范围内,请告知我们,我们可以根据要求进行变形设计,最大限度的满足您的使用要求。
- 1. For more ratio, pls. consult with our technical engineer.
- 2. On customer request, gearbox can be produced with eccentric distance 2.5mm, in order to ease installation and adjustment.
- 3. If any special request, pls. contact us. We will make modification design and meet your request.



WLB160B上法兰 WLB160B Upper Flange

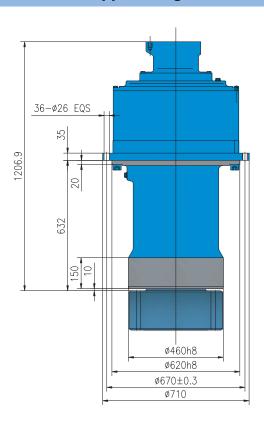


最大输出转矩 Output Torque T _{2max} N _m	传动比 i Ratio i	液压马达 Hydraulic Motor	减速机重量约Kg Gearbox Weight Kg. (无液压油、无马达) (without hydraulic oil and motor)
130000	94.7; 102.6; 112.32; 134.07; 146.77; 162.78; 183.6; 192.86; 211.76; 252	力士乐及国内外各种型号马达,可根据客户的不同要求而设计马达接口结构。 Motors by Rexroth and other brands, connection to be designed on customer request	540

- 1、更多速比需求请咨询我公司技术部门。
- 2、为方便用户安装和调整回转支承齿轮侧隙,可根据用户需要,减速机可以做成偏心的,偏心距为2.5毫米。
- 3、如需要特殊的传动解决方案,而又不在我们的产品范围内,请告知我们,我们可以根据要求进行变形设计,最大限度的满足您的使用要求。
- 1. For more ratio, pls. consult with our technical engineer.
- 2. On customer request, gearbox can be produced with eccentric distance 2.5mm, in order to ease installation and adjustment.
- 3. If any special request, pls. contact us. We will make modification design and meet your request.



WLB220B上法兰 WLB220B Upper Flange



最大输出转矩 Output Torque T _{2max} N _m	传动比 i Ratio i	液压马达 Hydraulic Motor	减速机重量约Kg Gearbox Weight Kg. (无液压油、无马达) (without hydraulic oil and motor)
180000	361.6; 340.5; 300.9; 260.4; 231.4; 210; 177.6; 140.6; 120; 106.8	力士乐及国内外各种型号马达,可根据客户的不同要求而设计马达接口结构。 Motors by Rexroth and other brands, connection to be designed on customer request	630

- 1、更多速比需求请咨询我公司技术部门。
- 2、为方便用户安装和调整回转支承齿轮侧隙,可根据用户需要,减速机可以做成偏心的,偏心距为2.5毫米。
- 3、如需要特殊的传动解决方案,而又不在我们的产品范围内,请告知我们,我们可以根据要求进行变形设计,最大限度的满足您的使用要求。
- 1. For more ratio, pls. consult with our technical engineer.
- 2. On customer request, gearbox can be produced with eccentric distance 2.5mm, in order to ease installation and adjustment.
- 3. If any special request, pls. contact us. We will make modification design and meet your request.



说明 Notes

- 减速机输入转向与输出转向相同。
- 输出转速允许值(样本中未规定)因实际工况的不同而有变化,请向本公司技术人员咨询。
- 为了保证减速机的正常运转,减速机与机架的安装孔必须对中,并且法兰安装面必须与其垂直。
- 由于输出齿轮所受力F(F=2T2/dcos20°)直接影响到输出齿轮末端轴承寿命,所以当减速机的输出扭矩接近样本中规定的最大输出扭矩时,要求核算分度圆直径,不得过小。
- Input and output of gearbox are the same direction.
- Output Speed may change acc to actual condition, please consult with our technical engineer.
- In order to ensure gearbox running, installation holes of gearbox and frame must be aligned. And flange surface have to be vertical.
- Force on output pinion F (F=2T2/dcos20°) will affect its bearing lifetime, so the output torque of gearbox is approaching the max. output torque, diameter of pitch to be calculated.







产品概述 Description

静液压卷扬减速机WLT···W是卷扬机构的理想驱动装置,是我公司在引进国外先进技术的基础上,自 行研发设计并完全能够替代国内外同类产品,该产品主要用于工程起重机及其它工程机械的卷扬驱动,紧 凑结构和易于安装的设计理念可使我们的产品直接安装于卷筒内部,节省空间。

公司始终如一的高质量标准保证了我们的减速机具有优秀的承载能力和杰出的工作可靠性。外齿轮齿表面的渗碳硬化及内齿圈的调质、氮化,使之具有低噪声运转的特点,减速机经优化设计后具有最高的安全裕度。

此外,减速机各部分尺寸及参数可根据用户需要进行重新设计,以满足用户对减速机的不同需求。无论您何时需要,即使在项目阶段,我们随时准备着给您建议并提供帮助,以期为您找到最佳的解决办法。



The hydrostatic winch drives of type MOBILEX WLT···W is developed and designed based on overseas advanced technology. It is an ideal driving component to easily substitute for other similar products. Winch gears are applied for mobile crane, winch drives for other machinery. As a result of extremely compact shape the gears can be directly mounted in the cable drums in a space saving manner. Furthermore it has been designed for easy installation.

The constant high quality standard ensures the excellent load carrying ability and outstanding operational reliability. The use of case—hardened gearwheels and tempered, nitrated ring gear have resulted in low—noise running characteristics. Gears are optimized through calculation and keep highest safety margins.

Additionally the dimensions, specifications of gearbox can be designed on request. We will provide advice and assistance whenever needed, even in the project stage, to find the most appropriate solution for you.

结构特点 Special Features

- 模块化结构的高强度行星减速机
- 结构紧凑, 节省空间, 两级或三级行星齿轮传动设计
- 高承载能力的轴承系统
- 安装简单
- High-duty planetary gearbox of modular construction
- Compact, space saving, two or three stage planetary gear design
- Robust bearing system absorbing the forces exerted by the ring gear
- Simple mounting

- 低噪声运转
- 高效率
- 长寿命
- 换油方便
- Low-noise running
- High efficiency
- Long service life
- Easy oil change

使用条件 Application

减速机设计适用环境温度范围为-20℃~+40℃,环境影响诸如咸水、咸气、沙尘、超压力、重振动、 剧烈冲击以及环境温度、侵入介质及类似问题将会妨碍产品功能,为了实现减速机的安全设计,此类工况 条件必须报告至我公司,我们可以为您特殊设计。

The gearbox has been designed for use at ambient temperatures ranging between $-20\,^{\circ}\text{C}$ and $+40\,^{\circ}\text{C}$. Environmental influence such as salt water, salty air, sand, dust, overpressure, heavy vibrations, extreme shocks and ambient temperatures, aggressive media and the like will impede the function of the gearbox. To enable safe design of gearbox these conditions must be reported to the factory.

减速机设计 Gearbox design

减速机设计基于多年的技术储备和实践经验。

技术参数中所指最大输出转矩T2max对应于FEM第一部分,第三版和IX部分(FEM-欧盟标准),以及DIN15020,机构载荷状态分级L2,机构利用等级T5,对应于机构工作级别M5。

参考输出转速为最大25r/min。

如果卷扬机构分级为其他机构工作级别,则其所需输出转矩必须采用系数K进行修正。



The gearbox design is based on years of practical application and production experience.

The Maximum output torques T2max indicated under technical data for crane applications related to FEM section 1, 3rd Edition and Section IX(FEM-Federation Europeenne de la Manutention), as well as DIN 15020, collective load class L2, service time category T5 corresponding to driver group M5.

The reference output speed is 25revolutions / minute Max.

If the winch drive is classified in another driver group the required output torque must be converted by applying factor K

卷筒 Cable Drum

卷筒材料推荐为球墨铸铁QT500-7。

卷筒绳槽设计全部采用双折线铸造绳槽结构,尽可能的减少缠绳故障,提高钢丝绳的使用寿命。 卷筒绳槽旋向分为右旋绳槽和左旋绳槽。

Material QT500-7 is recommended to be used for cable drum.

Drum groove design adopt the structure, to reduce the failure and improve cable lifetime.

Direction of drum groove can be designed for left and right hand.

钢丝绳 Cable

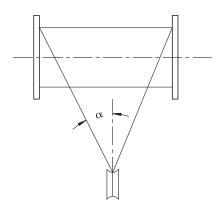
为了正确地卷绕钢丝绳,要求绳偏角 α 维持在0.5°-1.5°范围内。 钢丝绳的捻转旋向应与卷筒旋向相反。

钢丝绳用楔形块固定,楔形块固定位置分为在卷筒侧壁外侧和在 卷筒内。

Rolling up the cable properly requires the cable deflection angle (to be maintained within permissible limits. The deflection angle should not be less than $0.5^{\circ}-1.5^{\circ}$.

Cable rolling direction should counter turn from the drum rotation.

Cable will be fixed with a block, block located at outside of drum and inside of drum.





液压马达 Hydraulic Motor

本减速机设计可直接安装力士乐A2FE系列, A2FM系列, A6VE系列, A6VM系列马达, 也可安装国内外其它厂商的马达产品(需重新进行相应结构的设计)。

The gearbox design enable motors by Bosch Rexroth A2FE, A2FM, A6VE, A6VM, as well as motors by other brands (specific design request)_o

制动器 Brake

标准供货范围包括一个置于输入端的弹簧加载、液压释放多片式停车制动器。

TBr. (制动力矩)=1.6·T1(输入转矩),制动器接口为M12x1.5。

此停车制动器不能用于减速制动,制动力矩根据实际需要而设定。

在制动状态时,制动器释放油路中不得有背压。

推荐制动器最大开启油压不高于50bar,如果高于50bar请与我公司技术部门联系。

The standard supply scope includes a spring-loaded, hydraulically released multiple-disk parking brake arranged on the input side.

TBr. = 1.6 • T1 (input torque), Dimension of brake connection, M12 x1.5.

The multiple-disk holding brake is not to be used as service brake. The holding torque multiples with the transmission ratio selected.

Backpressure is forbidden in the brake release oil circle.

The recommended opening oil pressure should be less than 50bar, pls. consult with our technical engineer if the pressure is higher than 50bar. The multiple–disk holding brake is not to be used as service brake.

润滑 Lubrication

齿轮和轴承采用浸油润滑。

除定期换油外,减速机无需保养,换油非常方便。

换油时必须使用说明书中规定的专用油牌号(国内润滑油推荐使用长城润滑油:L-CKD220)。

对于相应使用工况所必需的换油周期,请见说明书。

后支承轴承采用锂基脂L-XBCHA3润滑。

The gear teeth and bearing will be splash lubricated.

Save for regular oil changed the drive units don not require maintenance. Changing the oil is done very easily.

Exclusively the oil brands recommended in the operating manual must be used for this work. (Great Wall L–CKD220 recommended).

The change intervals necessary for the relevant application conditions are also prescribed in the operating manuals.

The pinion-like antifriction bearing of the output shaft has been provided with grease filling L-XBCHA3.

供货范围 Supply Scope

标准供货范围:减速机+制动器+后支承组件,也可按用户要求特殊供货。

Standard supply includes gearbox, brake and back-supporting group. Supply on customer request is available.

减速机选型 Gearbox Selection

计算输出转矩: T2=F·Dw/2 N.m。

T2-输出转矩, F-单绳拉力 N, Dw-钢丝绳卷绕直径 m。

为了正确地选择减速机,应把计算输出转矩T2与实际的机构工作级别系数K相乘得出修正的输出转矩T2K。

T2K = T2·K(K按下表选取所对应的系数)。

减速机选型时T2K必须≤T2max(见样本)。

Output torque: $T_2 = F \cdot D_w/2$ N.m.

T2 – output torque, F – cable pull in N, Dw – relevant winding diameter in m.

In order to select the gearboxes, corrected output torque T2k should be calculated with output torque T2 multiple factor K.

 $T_{2K} = T_2 \cdot K$ (K acc. To collective group given in the table below).

 T_{2K} of the gearboxes to be selected must be T_{2max} .



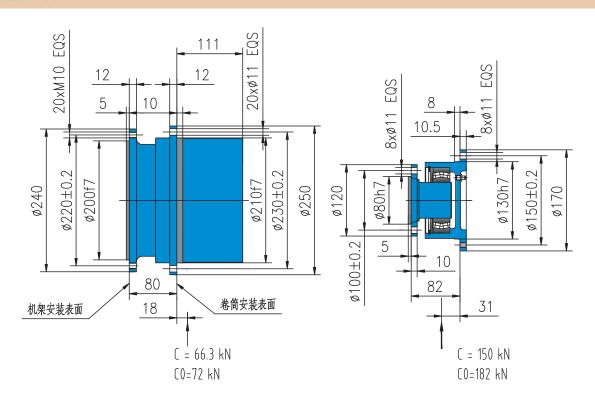
机构工作级别和机构利用等级(按FEM,第一部分,第三版,1987)

Driver Group and Service Time Categories to FEM (FEM, section I, 3rd Issue 1987)

	机构利用等级 Service time category		Т2	Т3	T4	T5	Т6	Т7	Т8	
Ass	ume	d aver	工作时间(小时) rage service n hours	0.25-0.5	0.5-1	1–2	2–4	4-8	8–16	>16
理说 The	之 oreti	乍寿命 ic serv	(小时) ice life in hours	400-800	800-1600	1600-3200	3200-6300	6300-12500	12500-25000	25000-50000
		态分级 ∕e loac	l class				为工作级别系·Group with K			
载	L1	轻 Hgil	偶尔承受最大 载荷,经常承 受轻的载荷 Maximum loads occurring in exceptional cases only, slight loads constantly	M1 0.90	M2 0.90	M3 0.90	M4 0.90	M5 0.95	M6 1.05	M7 1.2
荷状态组 sdnod exine Ollective drough	L2	Medium 由	工作时间内轻、中和最大载荷分布均匀 small, medium and maximum loads about equally distributed over service time	M2 0.90	M3 0.95	M4 0.95	M5 1	M6 1.15	M7 1.30	M8 1.50
Collect	L3	Heavy 重	经常承受接近 最大的载荷 Loads always near maximum	M3 1.05	M4 1.05	M5 1.10	M6 1.25	M7 1.40	M8 1.60	M8 1.80
	L4	特 Kneay heavy	经常承受最大 的载荷 Always maximum loads	M4 1.25	M5 1.30	M6 1.45	M7 1.65	M8 1.85	M8 2.10	M8 2.40



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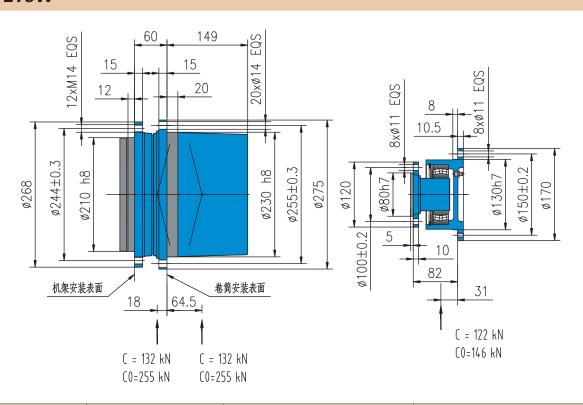


最大输出转矩 Output Torque T _{2max} N _m	传动比 i Ratio i	液压马达 Hydraulic Motor	重量约Kg Gearbox Weight Kg (无液压油、无马达、无卷筒) (without hydraulic oil and motor)
4500	30.93; 43; 51; 62.56	力士乐及国内外各种型号马达,可根据客户的不同要求而设计马达接口结构。 Motors by Rexroth and other brands, connection to be designed on customer request	55

- 1、更多速比需求请咨询我公司技术部门。
- 2、用户可依据此图设计、制造并装配卷筒,也可由我公司整体供货提供卷筒。
- 3、卷筒最小卷绕直径≈Φ280 (卷筒第一层直径,供参考)。
- 4、如需要特殊的传动解决方案,而又不在我们的产品范围内,请告知我们,我们可以根据要求进行变 形设计,最大限度的满足您的使用要求。
- $1\,{}_{\sim}$ For more ratio, pls. consult with our technical engineer.
- 2. Customer can design acc. to a.m. drawing, produce and assemble with drum. Or completely supply by our company.
- 3. Drum min, diameter $\approx \Phi 280$ (the first layer diameter of drum for reference).
- 4. If any special request, pls. contact us. We will make modification design and meet your request.



WLT9W

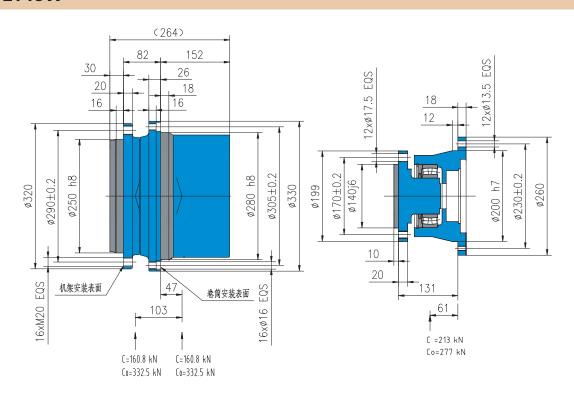


最大输出转矩 Output Torque T _{2max} N _m	传动比 i Ratio i	液压马达 Hydraulic Motor	重量约Kg Gearbox Weight Kg (无液压油、无马达、无卷筒) (without hydraulic oil and motor)
6200	16.5; 19.25; 24.2; 28.16; 33,41; 39.34; 47.6; 55.27	力士乐及国内外各种型号马达,可根据客户的不同要求而设计马达接口结构。 Motors by Rexroth and other brands, connection to be designed on customer request	80

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- 2、用户可依据此图设计、制造并装配卷筒,也可由我公司整体供货提供卷筒。
- 3、卷筒最小卷绕直径≈Φ310 (卷筒第一层直径,供参考)。
- 4、如需要特殊的传动解决方案,而又不在我们的产品范围内,请告知我们,我们可以根据要求进行变 形设计,最大限度的满足您的使用要求。
- 1. For more ratio, pls. consult with our technical engineer.
- 2. Customer can design acc. to a.m. drawing, produce and assemble with drum. Or completely supply by our company.
- 3. Drum min, diameter $\approx \Phi 310$ (the first layer diameter of drum for reference).
- 4. If any special request, pls. contact us. We will make modification design and meet your request.



WLT13W

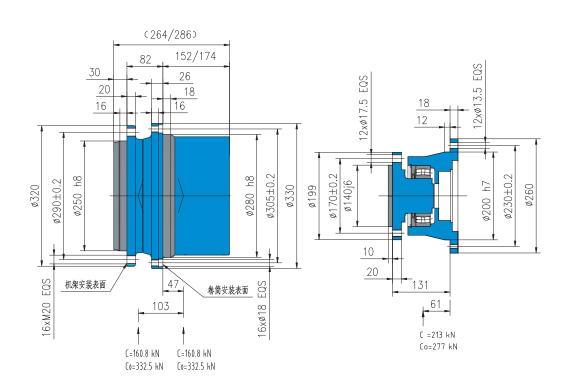


最大输出转矩 Output Torque T _{2max} N _m	传动比 i Ratio i	液压马达 Hydraulic Motor	重量约Kg Gearbox Weight Kg (无液压油、无马达、无卷筒) (without hydraulic oil and motor)
9500	16.27; 19.9; 22.62; 26.43; 32.14; 37.57; 45.42; 53.95	力士乐及国内外各种型号马达,可根据客户的不同要求而设计马达接口结构。 Motors by Rexroth and other brands, connection to be designed on customer request	102

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- 2、用户可依据此图设计、制造并装配卷筒,也可由我公司整体供货提供卷筒。
- 3、卷筒最小卷绕直径≈Φ390 (卷筒第一层直径,供参考)。
- 4、如需要特殊的传动解决方案,而又不在我们的产品范围内,请告知我们,我们可以根据要求进行变 形设计,最大限度的满足您的使用要求。
- 1 . For more ratio, pls. consult with our technical engineer.
- 2. Customer can design acc. to a.m. drawing, produce and assemble with drum. Or completely supply by our company.
- 3. Drum min, diameter $\approx \Phi$ 390 (the first layer diameter of drum for reference).
- 4. If any special request, pls. contact us. We will make modification design and meet your request.



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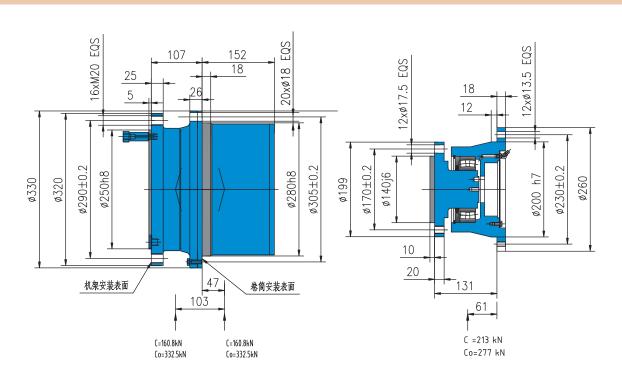


最大输出转矩 Output Torque T _{2max} N _m	传动比 i Ratio i	液压马达 Hydraulic Motor	重量约Kg Gearbox Weight Kg (无液压油、无马达、无卷筒) (without hydraulic oil and motor)
14000	16.27; 19.9; 22.62; 26.43; 32.14; 37.57; 45.42; 53.95; 64.24; 70.24; 77.95; 89.22; 103.69; 121.03; 150.5; 170.24	力士乐及国内外各种型号马达,可根据客户的不同要求而设计马达接口结构。 Motors by Rexroth and other brands, connection to be designed on customer request	105

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- 3、卷筒最小卷绕直径≈Φ390 (卷筒第一层直径,供参考)。
- 4、如需要特殊的传动解决方案,而又不在我们的产品范围内,请告知我们,我们可以根据要求进行变 形设计,最大限度的满足您的使用要求。
- 1. For more ratio, pls. consult with our technical engineer.
- 2. Customer can design acc. to a.m. drawing, produce and assemble with drum. Or completely supply by our company.
- 3. Drum min, diameter $\approx \Phi$ 390 (the first layer diameter of drum for reference).
- 4. If any special request, pls. contact us. We will make modification design and meet your request.



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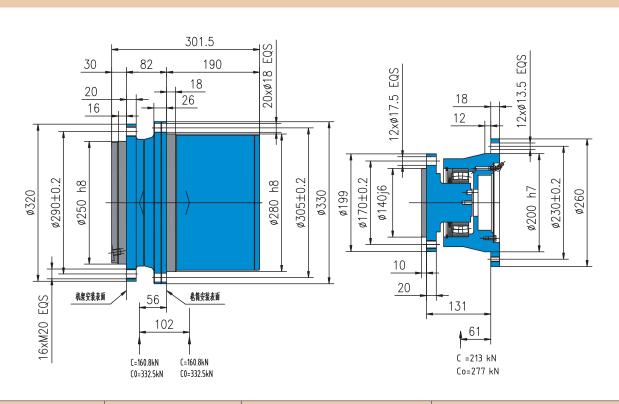


最大输出转矩 Output Torque T _{2max} N _m	传动比 i Ratio i	液压马达 Hydraulic Motor	重量约Kg Gearbox Weight Kg (无液压油、无马达、无卷筒) (without hydraulic oil and motor)
16000	18.56; 20.35; 22.66; 25.75; 30.06; 48.18	力士乐及国内外各种型号马达,可根据客户的不同要求而设计马达接口结构。 Motors by Rexroth and other brands, connection to be designed on customer request	120

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- 2、用户可依据此图设计、制造并装配卷筒,也可由我公司整体供货提供卷筒。
- 3、卷筒最小卷绕直径≈Φ390 (卷筒第一层直径,供参考)。
- 4、如需要特殊的传动解决方案,而又不在我们的产品范围内,请告知我们,我们可以根据要求进行变 形设计,最大限度的满足您的使用要求。
- 1 . For more ratio, pls. consult with our technical engineer.
- 2. Customer can design acc. to a.m. drawing, produce and assemble with drum. Or completely supply by our company.
- 3. Drum min, diameter $\approx \Phi$ 390 (the first layer diameter of drum for reference).
- 4. If any special request, pls. contact us. We will make modification design and meet your request.



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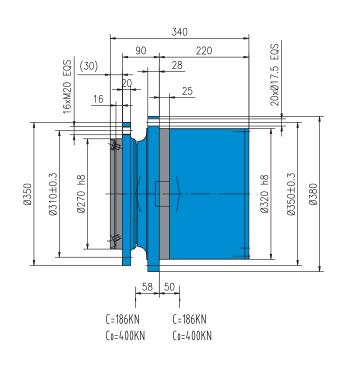


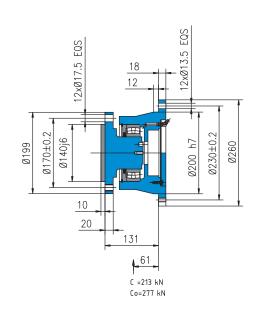
最大输出转矩 Output Torque T _{2max} N _m	传动比 i Ratio i	液压马达 Hydraulic Motor	重量约Kg Gearbox Weight Kg (无液压油、无马达、无卷筒) (without hydraulic oil and motor)
19000	36.97; 44.7; 90.13; 102.6; 116.9; 120.5; 137.2; 173.7; 193.3; 209.3; 221.1; 137.6; 169.86	力士乐及国内外各种型号马达,可根据客户的不同要求而设计马达接口结构。 Motors by Rexroth and other brands, connection to be designed on customer request	130

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- 3、卷筒最小卷绕直径≈Φ390 (卷筒第一层直径,供参考)。
- 4、如需要特殊的传动解决方案,而又不在我们的产品范围内,请告知我们,我们可以根据要求进行变 形设计,最大限度的满足您的使用要求。
- 1. For more ratio, pls. consult with our technical engineer.
- 2. Customer can design acc. to a.m. drawing, produce and assemble with drum. Or completely supply by our company.
- 3. Drum min, diameter $\approx \Phi$ 390 (the first layer diameter of drum for reference).
- 4. If any special request, pls. contact us. We will make modification design and meet your request.



WLT26W



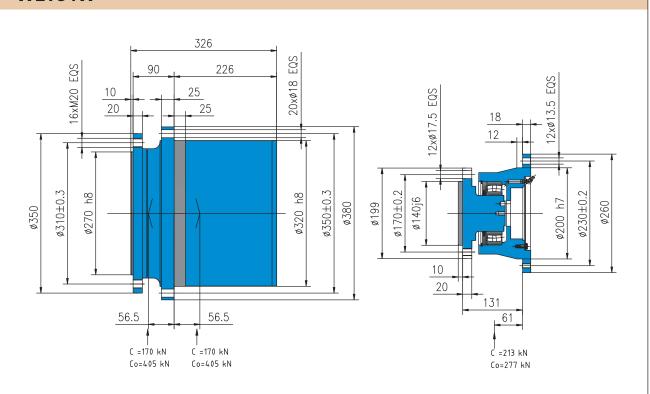


最大输出转矩 Output Torque T _{2max} N _m	传动比 i Ratio i	液压马达 Hydraulic Motor	重量约Kg Gearbox Weight Kg (无液压油、无马达、无卷筒) (without hydraulic oil and motor)
18000	30.36; 36.8; 42.87; 50.52; 54.20; 62	力士乐及国内外各种型号马达,可根据客户的不同要求而设计马达接口结构。 Motors by Rexroth and other brands, connection to be designed on customer request	165

- 1、更多速比需求请咨询我公司技术部门。
- 2、用户可依据此图设计、制造并装配卷筒,也可由我公司整体供货提供卷筒。
- 3、卷筒最小卷绕直径≈Φ440 (卷筒第一层直径,供参考)。
- 4、如需要特殊的传动解决方案,而又不在我们的产品范围内,请告知我们,我们可以根据要求进行变 形设计,最大限度的满足您的使用要求。
- 1 . For more ratio, pls. consult with our technical engineer.
- 2. Customer can design acc. to a.m. drawing, produce and assemble with drum. Or completely supply by our company.
- 3. Drum min, diameter $\approx \Phi 440$ (the first layer diameter of drum for reference).
- 4. If any special request, pls. contact us. We will make modification design and meet your request.



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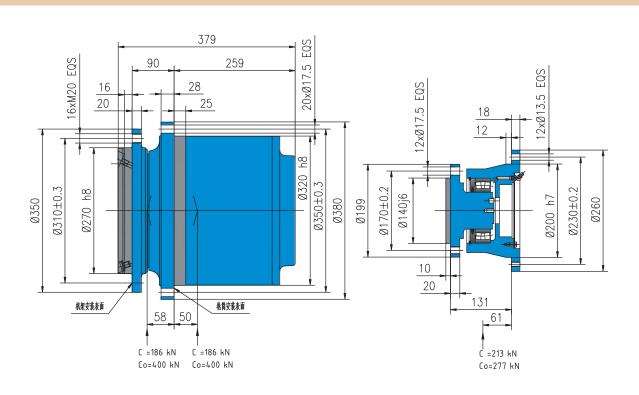


最大输出转矩 Output Torque T _{2max} N _m	传动比 i Ratio i	液压马达 Hydraulic Motor	重量约Kg Gearbox Weight Kg (无液压油、无马达、无卷筒) (without hydraulic oil and motor)
25000	30.36; 36.8; 42.87; 50.52; 54.20; 62	力士乐及国内外各种型号马达,可根据客户的不同要求而设计马达接口结构。 Motors by Rexroth and other brands, connection to be designed on customer request	175

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- 3、卷筒最小卷绕直径≈Φ440 (卷筒第一层直径,供参考)。
- 4、如需要特殊的传动解决方案,而又不在我们的产品范围内,请告知我们,我们可以根据要求进行变 形设计,最大限度的满足您的使用要求。
- 1. For more ratio, pls. consult with our technical engineer.
- 2. Customer can design acc. to a.m. drawing, produce and assemble with drum. Or completely supply by our company.
- 3. Drum min, diameter $\approx \Phi 440$ (the first layer diameter of drum for reference).
- 4. If any special request, pls. contact us. We will make modification design and meet your request.



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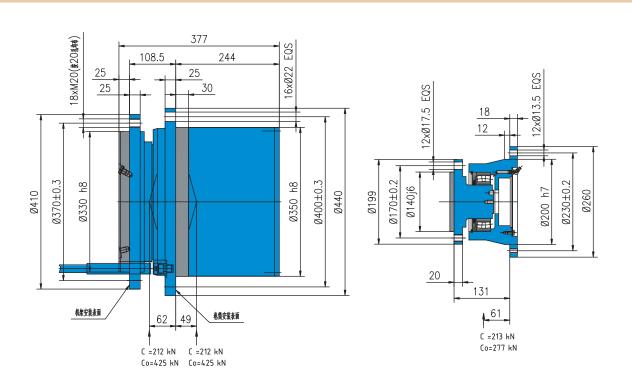


最大输出转矩 Output Torque T _{2max} N _m	传动比 i Ratio i	液压马达 Hydraulic Motor	重量约Kg Gearbox Weight Kg (无液压油、无马达、无卷筒) (without hydraulic oil and motor)
26000	32.57; 38.43; 47.21; 66.96; 79.36; 87.78; 100.02; 116.55; 131; 138.82; 161.26; 269	力士乐及国内外各种型号马达,可根据客户的不同要求而设计马达接口结构。 Motors by Rexroth and other brands, connection to be designed on customer request	185

- 1、更多速比需求请咨询我公司技术部门。
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- 3、卷筒最小卷绕直径≈Φ440 (卷筒第一层直径,供参考)。
- 4、如需要特殊的传动解决方案,而又不在我们的产品范围内,请告知我们,我们可以根据要求进行变 形设计,最大限度的满足您的使用要求。
- 1 . For more ratio, pls. consult with our technical engineer.
- 2. Customer can design acc. to a.m. drawing, produce and assemble with drum. Or completely supply by our company.
- 3. Drum min, diameter $\approx \Phi 440$ (the first layer diameter of drum for reference).
- 4. If any special request, pls. contact us. We will make modification design and meet your request.



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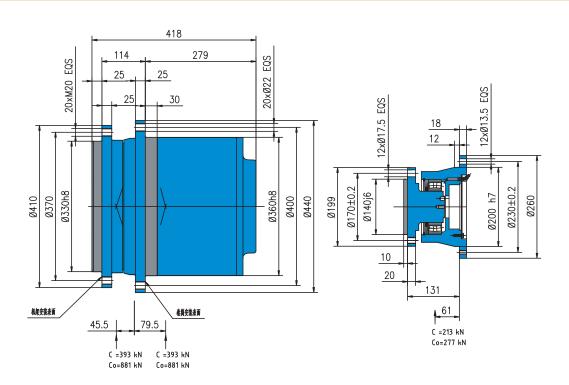


最大输出转矩 Output Torque T _{2max} N _m	传动比 i Ratio i	液压马达 Hydraulic Motor	重量约Kg Gearbox Weight Kg (无液压油、无马达、无卷筒) (without hydraulic oil and motor)
27000	35.88; 41.04; 48.28; 59.13	力士乐及国内外各种型号马达,可根据客户的不同要求而设计马达接口结构。 Motors by Rexroth and other brands, connection to be designed on customer request	200

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- 2、用户可依据此图设计、制造并装配卷筒,也可由我公司整体供货提供卷筒。
- 3、卷筒最小卷绕直径≈Φ500 (卷筒第一层直径,供参考)。
- 4、如需要特殊的传动解决方案,而又不在我们的产品范围内,请告知我们,我们可以根据要求进行变 形设计,最大限度的满足您的使用要求。
- 1. For more ratio, pls. consult with our technical engineer.
- 2. Customer can design acc. to a.m. drawing, produce and assemble with drum. Or completely supply by our company.
- 3. Drum min, diameter $\approx \Phi 500$ (the first layer diameter of drum for reference).
- 4. If any special request, pls. contact us. We will make modification design and meet your request.



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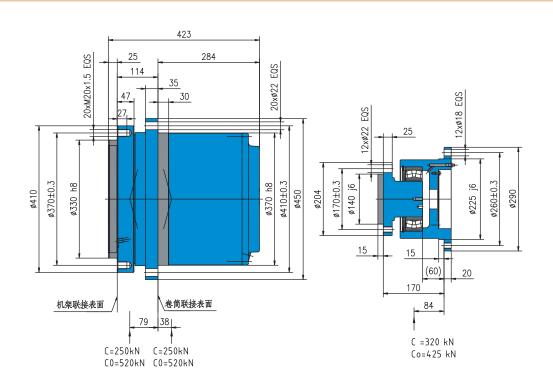


最大输出转矩 Output Torque T _{2max} N _m	传动比 i Ratio i	液压马达 Hydraulic Motor	重量约Kg Gearbox Weight Kg (无液压油、无马达、无卷筒) (without hydraulic oil and motor)
37500	36.8; 45.13; 80; 87.59; 91.12; 99.75; 125.66; 146.39; 155.94; 177.48	力士乐及国内外各种型号马达,可根据客户的不同要求而设计马达接口结构。 Motors by Rexroth and other brands, connection to be designed on customer request	250

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- 2、用户可依据此图设计、制造并装配卷筒,也可由我公司整体供货提供卷筒。
- 3、卷筒最小卷绕直径≈Φ500 (卷筒第一层直径,供参考)。
- 4、如需要特殊的传动解决方案,而又不在我们的产品范围内,请告知我们,我们可以根据要求进行变 形设计,最大限度的满足您的使用要求。
- 1 . For more ratio, pls. consult with our technical engineer.
- 2. Customer can design acc. to a.m. drawing, produce and assemble with drum. Or completely supply by our company.
- 3. Drum min, diameter $\approx \Phi 500$ (the first layer diameter of drum for reference).
- 4. If any special request, pls. contact us. We will make modification design and meet your request.



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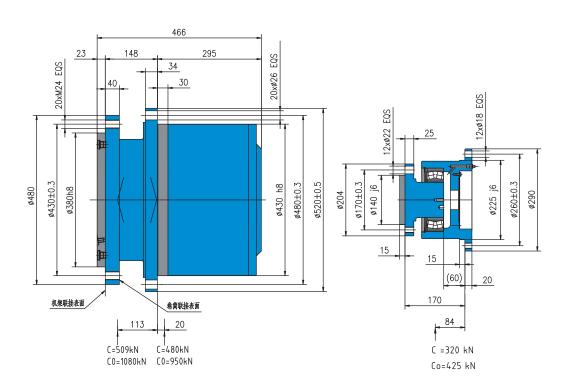


最大输出转矩 Output Torque T _{2max} N _m	传动比 i Ratio i	液压马达 Hydraulic Motor	重量约Kg Gearbox Weight Kg (无液压油、无马达、无卷筒) (without hydraulic oil and motor)
42500	33.03; 39.41; 63.77; 76.55; 86.46; 94.80; 105.53; 111.93; 119.93; 136; 139.86; 150.53; 169.89	力士乐及国内外各种型号马达,可根据客户的不同要求而设计马达接口结构。 Motors by Rexroth and other brands, connection to be designed on customer request	260

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- 2、用户可依据此图设计、制造并装配卷筒,也可由我公司整体供货提供卷筒。
- 3、卷筒最小卷绕直径≈Φ520 (卷筒第一层直径,供参考)。
- 4、如需要特殊的传动解决方案,而又不在我们的产品范围内,请告知我们,我们可以根据要求进行变 形设计,最大限度的满足您的使用要求。
- 1. For more ratio, pls. consult with our technical engineer.
- 2. Customer can design acc. to a.m. drawing, produce and assemble with drum. Or completely supply by our company.
- 3. Drum min, diameter $\approx \Phi 520$ (the first layer diameter of drum for reference).
- 4. If any special request, pls. contact us. We will make modification design and meet your request.



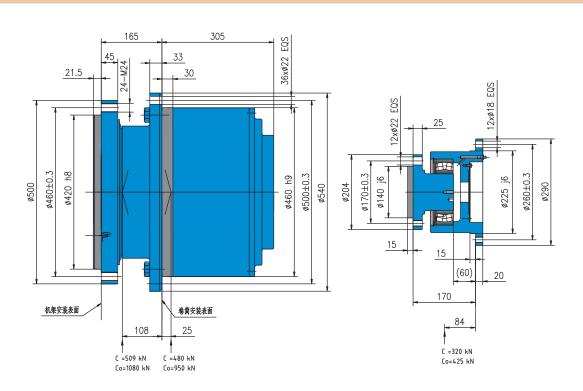
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最大输出转矩 Output Torque T _{2max} N _m	传动比 i Ratio i	液压马达 Hydraulic Motor	重量约Kg Gearbox Weight Kg (无液压油、无马达、无卷筒) (without hydraulic oil and motor)
67000	61.28; 76.68; 79.15; 87.64; 98.97; 110.86; 126.94; 149.92; 164.31; 185.43	力士乐及国内外各种型号马达,可根据客户的不同要求而设计马达接口结构。 Motors by Rexroth and other brands, connection to be designed on customer request	380

- 1、更多速比需求请咨询我公司技术部门。
- 2、用户可依据此图设计、制造并装配卷筒,也可由我公司整体供货提供卷筒。
- 3、卷筒最小卷绕直径≈Φ600 (卷筒第一层直径,供参考)。
- 4、如需要特殊的传动解决方案,而又不在我们的产品范围内,请告知我们,我们可以根据要求进行变 形设计,最大限度的满足您的使用要求。
- 1 . For more ratio, pls. consult with our technical engineer.
- 2. Customer can design acc. to a.m. drawing, produce and assemble with drum. Or completely supply by our company.
- 3. Drum min, diameter $\approx \Phi 600$ (the first layer diameter of drum for reference).
- 4. If any special request, pls. contact us. We will make modification design and meet your request.

WLT110W

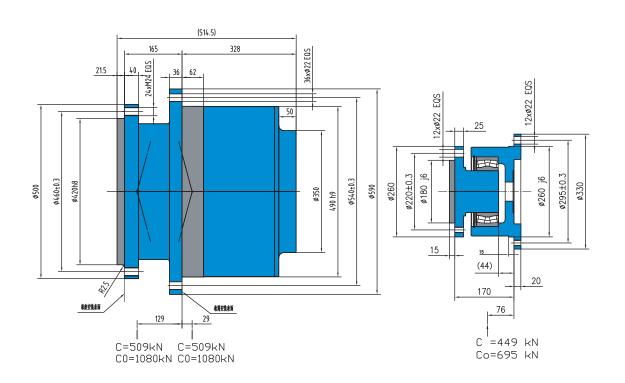


最大输出转矩 Output Torque T _{2max} N _m	传动比 i Ratio i	液压马达 Hydraulic Motor	重量约Kg Gearbox Weight Kg (无液压油、无马达、无卷筒) (without hydraulic oil and motor)
100000	79.5; 87.6; 95.8; 104.2; 114.8; 128.6; 147.2; 164.3; 173.9; 196.8; 215	力士乐及国内外各种型号马达,可根据客户的不同要求而设计马达接口结构。 Motors by Rexroth and other brands, connection to be designed on customer request	425

- 1、更多速比需求请咨询我公司技术部门。
- 2、用户可依据此图设计、制造并装配卷筒,也可由我公司整体供货提供卷筒。
- 3、卷筒最小卷绕直径≈Φ650 (卷筒第一层直径,供参考)。
- 4、如需要特殊的传动解决方案,而又不在我们的产品范围内,请告知我们,我们可以根据要求进行变 形设计,最大限度的满足您的使用要求。
- 1. For more ratio, pls. consult with our technical engineer.
- 2. Customer can design acc. to a.m. drawing, produce and assemble with drum. Or completely supply by our company.
- 3. Drum min, diameter $\approx \Phi 650$ (the first layer diameter of drum for reference).
- 4. If any special request, pls. contact us. We will make modification design and meet your request.



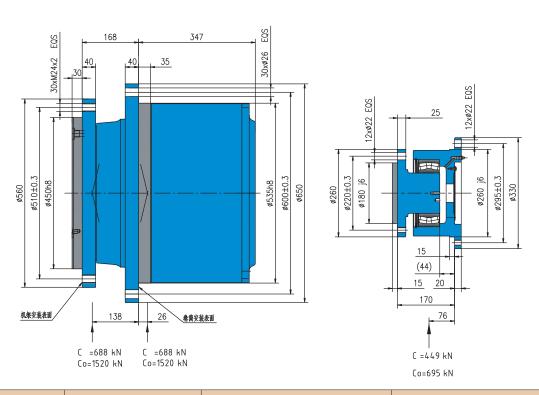
WLT130W



最大输出转矩 Output Torque T _{2max} N _m	传动比 i Ratio i	液压马达 Hydraulic Motor	重量约Kg Gearbox Weight Kg (无液压油、无马达、无卷筒) (without hydraulic oil and motor)
100000	74.8; 98; 105.8; 115.3; 127.3; 143; 164.1; 194.4;	力士乐及国内外各种型号马达,可根据客户的不同要求而设计马达接口结构。 Motors by Rexroth and other brands, connection to be designed on customer request	550

- 1、更多速比需求请咨询我公司技术部门。
- 2、用户可依据此图设计、制造并装配卷筒,也可由我公司整体供货提供卷筒。
- 3、卷筒最小卷绕直径≈Φ680 (卷筒第一层直径,供参考)。
- 4、如需要特殊的传动解决方案,而又不在我们的产品范围内,请告知我们,我们可以根据要求进行变 形设计,最大限度的满足您的使用要求。
- 1. For more ratio, pls. consult with our technical engineer.
- 2. Customer can design acc. to a.m. drawing, produce and assemble with drum. Or completely supply by our company.
- 3. Drum min, diameter $\approx \Phi 680$ (the first layer diameter of drum for reference).
- 4. If any special request, pls. contact us. We will make modification design and meet your request.

WLT160W

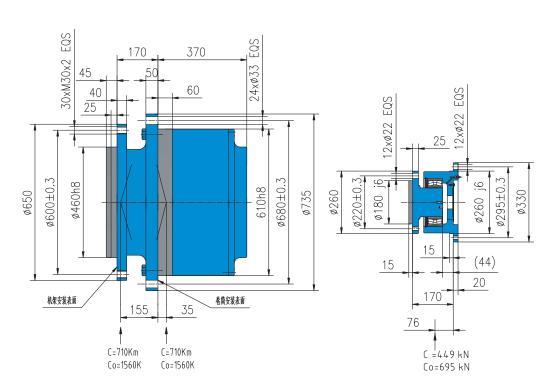


最大输出转矩 Output Torque T _{2max} N _m	传动比 i Ratio i	液压马达 Hydraulic Motor	重量约Kg Gearbox Weight Kg (无液压油、无马达、无卷筒) (without hydraulic oil and motor)
140000	93.7; 101.6; 111.3; 133.1; 162.8; 191.9; 210.8; 251	力士乐及国内外各种型号马达,可根据客户的不同要求而设计马达接口结构。 Motors by Rexroth and other brands, connection to be designed on customer request	680

- 1、更多速比需求请咨询我公司技术部门。
- 2、用户可依据此图设计、制造并装配卷筒,也可由我公司整体供货提供卷筒。
- 3、卷筒最小卷绕直径≈Φ750(卷筒第一层直径,供参考)。
- 4、如需要特殊的传动解决方案,而又不在我们的产品范围内,请告知我们,我们可以根据要求进行变 形设计,最大限度的满足您的使用要求。
- 1. For more ratio, pls. consult with our technical engineer.
- 2. Customer can design acc. to a.m. drawing, produce and assemble with drum. Or completely supply by our company.
- 3. Drum min, diameter $\approx \Phi 750$ (the first layer diameter of drum for reference).
- 4. If any special request, pls. contact us. We will make modification design and meet your request.



WLT220W



最大输出转矩 Output Torque T _{2max} N _m	传动比 i Ratio i	液压马达 Hydraulic Motor	重量约Kg Gearbox Weight Kg (无液压油、无马达、无卷筒) (without hydraulic oil and motor)
200000	105.8; 119; 139.6; 176.6; 209; 230.4; 259.4; 299.9; 239.5; 360.6	力士乐及国内外各种型号马达,可根据客户的不同要求而设计马达接口结构。 Motors by Rexroth and other brands, connection to be designed on customer request	820

- 1、更多速比需求请咨询我公司技术部门。
- 2、用户可依据此图设计、制造并装配卷筒,也可由我公司整体供货提供卷筒。
- 3、卷筒最小卷绕直径≈Φ850 (卷筒第一层直径,供参考)。
- 4、如需要特殊的传动解决方案,而又不在我们的产品范围内,请告知我们,我们可以根据要求进行变 形设计,最大限度的满足您的使用要求。
- 1 . For more ratio, pls. consult with our technical engineer.
- 2. Customer can design acc. to a.m. drawing, produce and assemble with drum. Or completely supply by our company.
- 3. Drum min, diameter $\approx \Phi$ 850 (the first layer diameter of drum for reference).
- 4. If any special request, pls. contact us. We will make modification design and meet your request.



说明 Notes

- 减速机输入转向与输出转向相反。
- 轴承座与支承轴可分离以利于装配,如有必要可将支承轴从卷筒上卸下。
- 为了保证减速机的正常运转,减速机与机架的安装孔必须对中,并且法兰安装面必须与其垂直。
- 附图中标注的卷筒最小卷绕直径仅供参考,将根据钢丝绳的实际直径而有所变化。
- 样本中的速比是优选速比, 样本中没有列出的速比将根据客户的实际需求而设计。
- 輸出转速允许值(样本中未规定)因实际工况的不同而有所变化,请向本公司技术人员咨询。
- 安装马达时需要在端面或止口处装O形圈密封(减速机不带马达时O形圈由用户自备,也可由我公司 提供)。
- Input and output of gearbox are the opposite direction.
- Bearing housing can be separated with supporting shaft to ease assembly. Supporting shaft can be taken down from the drum in case of need.
- In order to ensure gearbox running, installation holes of gearbox and frame must be aligned. And flange surface
 have to be vertical.
- Drum min. diameter only for your reference, it will follow the change of actual diameter of rope.
- Ratio in the catalog is preferable, in case you need other ratio, please consult with our technical engineer.
- Output Speed may change acc to actual condition, please consult with our technical engineer.
- Pls. seal with O ring during motor installation, O ring will not be supplied together with gearbox without motor.







产品概述 Description

静液压行走减速机WLT···T是行走机构的理想驱动装置,它是我公司在引进国外先进技术的基础上,自行开发设计并完全可以替代国内外同类产品。WLT···T行走减速机主要用于工程起重机及其它工程机械的行走驱动,紧凑结构和易于安装的设计理念可使我们的产品直接安装于行走机构内部,最大限度的为客户节省空间。

公司始终如一的高质量标准保证了我们的减速机具有优秀的承载能力和杰出的工作可靠性。外齿轮齿表面的渗碳硬化及内齿圈的调质、氮化,使之具有低噪声运转的特点。齿轮采用L+S减速机优化设计后具有最高的安全裕度。

此外,减速机各部分尺寸及参数可根据用户需要进行重新设计,以满足用户对减速机的不同需求。无论您何时需要,即使在项目阶段,我们随时准备着给您建议并提供帮助,以期为您找到最合适的解决办法。



The hydrostatic travel drives of type MOBILEX WLT···T is developed and designed based on overseas advanced technology. It is an ideal driving component to easily substitute for other similar products. Travel gears are applied for mobile crane, winch drives for other machinery. As a result of extremely compact shape the gears can be directly mounted in a space saving manner. Furthermore it has been designed for easy installation.

The constant high quality standard ensures the excellent load carrying ability and outstanding operational reliability. The use of case—hardened gearwheels and tempered, nitrated ring gear have resulted in low—noise running characteristics. Gears are optimized through calculation and keep highest safety margins.

Additionally the dimensions, specifications of gearbox can be designed on request. We will provide advice and assistance whenever needed, even in the project stage, to find the most appropriate solution for you.

结构特点 Special Features

- 模块化结构的高强度行星减速机
- 结构紧凑,节省空间,两级或三级行星齿轮传动设计
- 高承载能力的轴承系统
- 安装简单
- High-duty planetary gearbox of modular construction
- Compact, space saving, two or three stage planetary gear design
- Robust bearing system absorbing the forces exerted by the ring gear
- Simple mounting

- 低噪声运转
- 高效率
- 长寿命
- 换油方便
- Low-noise running
- High efficiency
- Long service life
- Easy oil change

使用条件 Application

减速机设计适用环境温度范围为-20℃~+40℃,环境影响诸如咸水、咸气、沙尘、超压力、重振动、 剧烈冲击以及环境温度、侵入介质及类似问题将会妨碍产品功能,为了实现减速机的安全设计,此类工况 条件必须报告至我公司。

The gearbox has been designed for use at ambient temperatures ranging between -20° C and $+40^{\circ}$ C. Environmental influence such as salt water, salty air, sand, dust, overpressure, heavy vibrations, extreme shocks and ambient temperatures, aggressive media and the like will impede the function of the gearbox. To enable safe design of gearbox these conditions must be reported to the factory.



减速机设计 Gearbox design

减速机设计基于多年使用经验基础上的,样本中给出的最大输出扭矩是挖掘机行走传动短时间允许的峰值扭矩,对于其它不同于规定输出扭矩的应用,可根据具体减速机而定。我们可以在方案设计阶段为所有客户提供与使用有关的技术咨询服务,以期为客户找到最适合的传动解决方案。

The gearbox design is based on years of practical application and production experience. The Maximum output torques indicated under technical data for excavator travel drive applications.

For the other applications higher output torques than those specified may be permissible for the relevant gearbox.

Please consult with our technical engineer in such case.

Application related consult is available to all customers as early as in the project stage.

液压马达 Hydraulic Motor

本减速机设计可直接安装力士乐A2FE系列, A2FM系列, A6VE系列, A6VM系列马达, 也可安装国内外其它厂商的马达产品(需重新进行相应结构的设计)。

The gearbox design enable motors by Bosch Rexroth A2FE, A2FM, A6VE, A6VM, as well as motors by other brands (specific design request).

制动器 Brake

标准供货范围包括一个置于输入端的弹簧加载、液压释放多片式停车制动器。

TBr. (制动力矩)=1.1·T1(输入转矩)。

制动器接口为M12x1.5。

此停车制动器不能用于减速制动,制动力矩根据实际需要而设定。

在制动状态时,制动器释放油路中不得有背压。

推荐制动器最大开启油压不高于50bar,如果高于50bar请与我公司技术部门联系。

The standard supply scope includes a spring-loaded, hydraulically released multiple-disk parking brake arranged on the input side.

 $T_{Br.} = 1.1$. T_1 (input torque).

Dimension of brake connection, M12 x1.5.

The multiple—disk holding brake is not to be used as service brake. The holding torque multiples with the transmission ratio selected.

Backpressure is forbidden in the brake release oil circle.

The recommended opening oil pressure should be less than 50bar, pls. consult with our technical engineer if the pressure is higher than 50bar.



脱开装置 Detaching Device

某些传动装置可根据要求安装机械脱开装置,以便在紧急情况下牵引设备,防止液压系统的损坏。

Mechnical detaching device can be installed on request, in order to avoid the hydraulic system damange for emergcy.

润滑 Lubrication

齿轮和轴承采用浸油润滑。

除定期换油外,减速机无需保养,换油非常方便。

换油时必须使用说明书中规定的专用油牌号(国内润滑油推荐使用长城润滑油: L-CKD220)。

对于相应使用工况所必需的换油周期,请见说明书。

后支承轴承采用锂基脂L-XBCHA3润滑。

The gear teeth and bearing will be splash lubricated.

Save for regular oil changed the drive units don not require maintenance. Changing the oil is done very easily.

Exclusively the oil brands recommended in the operating manual must be used for this work. (Great Wall L–CKD220 recommended).

The change intervals necessary for the relevant application conditions are also prescribed in the operating manuals.

The pinion-like antifriction bearing of the output shaft has been provided with grease filling L-XBCHA3.

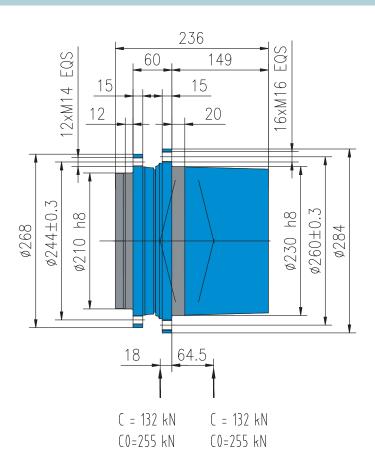
供货范围 Supply Scope

标准供货范围:减速机+制动器,也可按用户要求特殊供货。

Standard supply includes gearbox, brake .Supply on customer request is available.



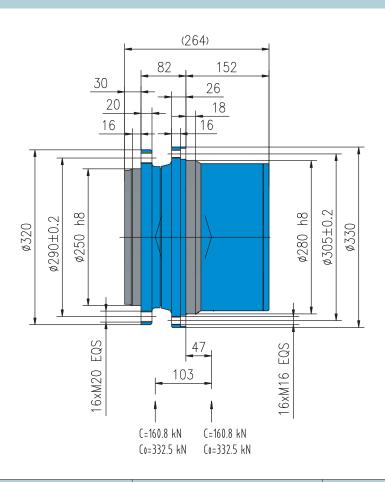
WLT9T



最大输出转矩 Output Torque T _{2max} N _m	传动比 i Ratio i	液压马达 Hydraulic Motor	重量约Kg Gearbox Weight Kg (无液压油、无马达、无卷筒) (without hydraulic oil and motor)
9000	16.5; 19.25; 24.2; 28.16; 33; 41; 38.3; 47.6; 55.27	力士乐及国内外各种型号马达,可根据客户的不同要求而设计马达接口结构。 Motors by Rexroth and other brands, connection to be designed on customer request	67

- 1、更多速比需求请咨询我公司技术部门。
- 2、如需要特殊的传动解决方案,而又不在我们的产品范围内,请告知我们,我们可以根据要求进行变形设计,最大限度的满足您的使用要求。
- 1 . For more ratio, pls. consult with our technical engineer.
- 2. If any special request, pls. contact us. We will make modification design and meet your request.

WLT13T

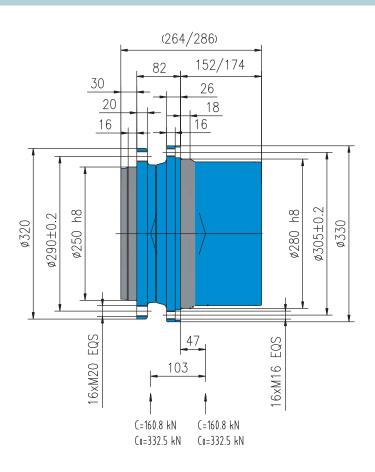


最大输出转矩 Output Torque T _{2max} N _m	传动比 i Ratio i	液压马达 Hydraulic Motor	重量约Kg Gearbox Weight Kg (无液压油、无马达、无卷筒) (without hydraulic oil and motor)
13000	16.27; 19.9; 22.62; 26.43; 32.14; 45.42; 37.57; 53.95	力士乐及国内外各种型号马达,可根据客户的不同要求而设计马达接口结构。 Motors by Rexroth and other brands, connection to be designed on customer request	85

- 1、更多速比需求请咨询我公司技术部门。
- 2、如需要特殊的传动解决方案,而又不在我们的产品范围内,请告知我们,我们可以根据要求进行变形设计,最大限度的满足您的使用要求。
- $1\sqrt{}$ For more ratio, pls. consult with our technical engineer.
- 2. If any special request, pls. contact us. We will make modification design and meet your request.



WLT17T

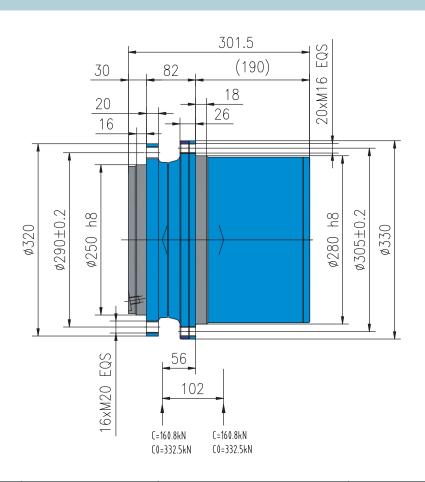


最大输出转矩 Output Torque T _{2max} N _m	传动比 i Ratio i	液压马达 Hydraulic Motor	重量约Kg Gearbox Weight Kg (无液压油、无马达、无卷筒) (without hydraulic oil and motor)
17000	16.27; 19.9; 22.62; 26.43; 32.14; 45.42; 37.57; 53.95; 64.24; 77.95; 88.23; 102.62; 112.14; 124.2; 135.71; 150.51; 170.24;	力士乐及国内外各种型号马达,可根据客户的不同要求而设计马达接口结构。 Motors by Rexroth and other brands, connection to be designed on customer request	90 / 97.5

- 1、更多速比需求请咨询我公司技术部门。
- 2、如需要特殊的传动解决方案,而又不在我们的产品范围内,请告知我们,我们可以根据要求进行变形设计,最大限度的满足您的使用要求。
- 1 . For more ratio, pls. consult with our technical engineer.
- 2. If any special request, pls. contact us. We will make modification design and meet your request.



WLT24T

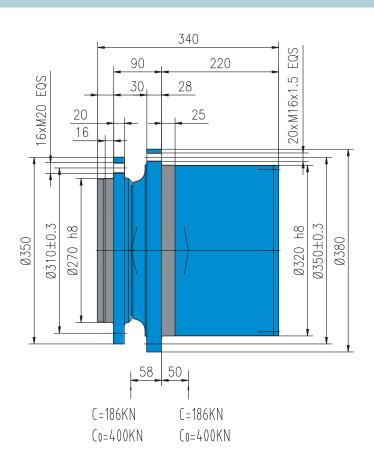


最大输出转矩 Output Torque T _{2max} N _m	传动比 i Ratio i	液压马达 Hydraulic Motor	重量约Kg Gearbox Weight Kg (无液压油、无马达、无卷筒) (without hydraulic oil and motor)
24000	36.97; 44.7; 90.13; 102.6; 116.9; 120.5; 137.2; 169.86; 173.7; 193.3; 209.3; 221.1	力士乐及国内外各种型号马达,可根据客户的不同要求而设计马达接口结构。 Motors by Rexroth and other brands, connection to be designed on customer request	105

- 1、更多速比需求请咨询我公司技术部门。
- 2、如需要特殊的传动解决方案,而又不在我们的产品范围内,请告知我们,我们可以根据要求进行变形设计,最大限度的满足您的使用要求。
- 1. For more ratio, pls. consult with our technical engineer.
- 2. If any special request, pls. contact us. We will make modification design and meet your request.



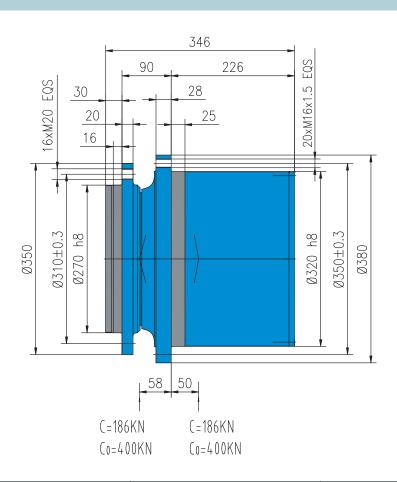
WLT26T



最大输出转矩 Output Torque T _{2max} N _m	传动比 i Ratio i	液压马达 Hydraulic Motor	重量约Kg Gearbox Weight Kg (无液压油、无马达、无卷筒) (without hydraulic oil and motor)
26000	30.36; 36.8; 42.87; 45.45; 50.52; 54.20; 62	力士乐及国内外各种型号马达,可根据客户的不同要求而设计马达接口结构。 Motors by Rexroth and other brands, connection to be designed on customer request	165

- 1、更多速比需求请咨询我公司技术部门。
- 2、如需要特殊的传动解决方案,而又不在我们的产品范围内,请告知我们,我们可以根据要求进行变形设计,最大限度的满足您的使用要求。
- 1 . For more ratio, pls. consult with our technical engineer.
- 2. If any special request, pls. contact us. We will make modification design and meet your request.

WLT34T

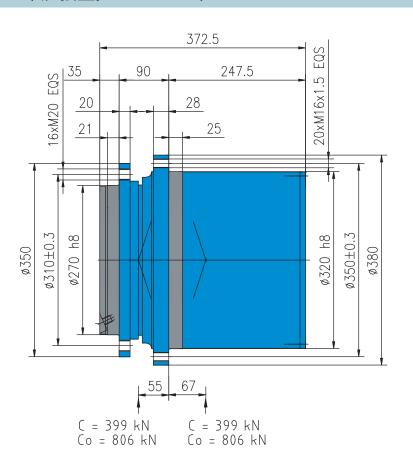


最大输出转矩 Output Torque T _{2max} N _m	传动比 i Ratio i	液压马达 Hydraulic Motor	重量约Kg Gearbox Weight Kg (无液压油、无马达、无卷筒) (without hydraulic oil and motor)
34000	30.36; 36.8; 42.87; 45.45; 50.52; 54.20; 62	力士乐及国内外各种型号马达,可根据客户的不同要求而设计马达接口结构。 Motors by Rexroth and other brands, connection to be designed on customer request	175

- 1、更多速比需求请咨询我公司技术部门。
- 2、如需要特殊的传动解决方案,而又不在我们的产品范围内,请告知我们,我们可以根据要求进行变形设计,最大限度的满足您的使用要求。
- $1\sqrt{}$ For more ratio, pls. consult with our technical engineer.
- 2. If any special request, pls. contact us. We will make modification design and meet your request.



WLT34T…200 (加强型/reinforced)

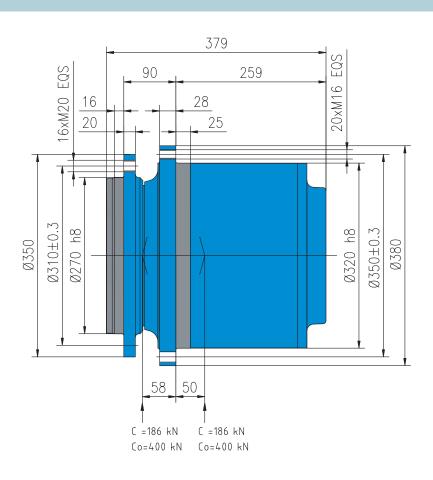


最大输出转矩 Output Torque T _{2max} N _m	传动比 i Ratio i	液压马达 Hydraulic Motor	重量约Kg Gearbox Weight Kg (无液压油、无马达、无卷筒) (without hydraulic oil and motor)
34000	30.36; 36.8; 42.87; 45.45; 50.52; 54.20; 62	力士乐及国内外各种型号马达,可根据客户的不同要求而设计马达接口结构。 Motors by Rexroth and other brands, connection to be designed on customer request	185

- 1、更多速比需求请咨询我公司技术部门。
- 2、如需要特殊的传动解决方案,而又不在我们的产品范围内,请告知我们,我们可以根据要求进行变形设计,最大限度的满足您的使用要求。
- 1 . For more ratio, pls. consult with our technical engineer.
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WLT36T

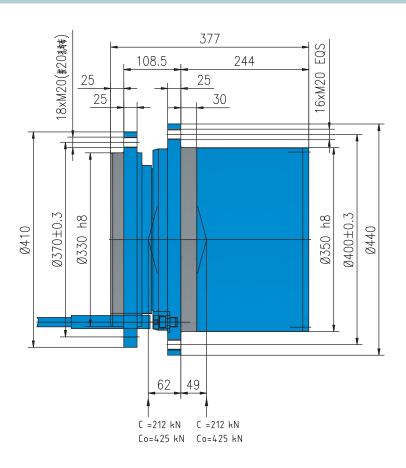


最大输出转矩 Output Torque T _{2max} N _m	传动比 i Ratio i	液压马达 Hydraulic Motor	重量约Kg Gearbox Weight Kg (无液压油、无马达、无卷筒) (without hydraulic oil and motor)
36000	32.57; 38.43; 47.21; 66.96; 79.36; 87.78; 100.02; 116.55; 131; 138.82; 161.26; 269	达,可根据客户的不同要求而	185

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WLT40T

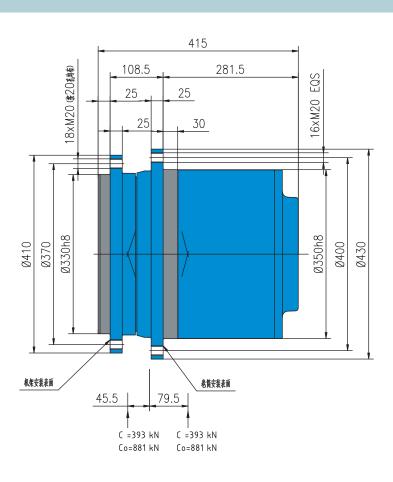


最大输出转矩 Output Torque T _{2max} N _m	传动比 i Ratio i	液压马达 Hydraulic Motor	重量约Kg Gearbox Weight Kg (无液压油、无马达、无卷筒) (without hydraulic oil and motor)
40000	35.88; 41.04; 48.28; 59.13	力士乐及国内外各种型号马达,可根据客户的不同要求而设计马达接口结构。 Motors by Rexroth and other brands, connection to be designed on customer request	200

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WLT50T

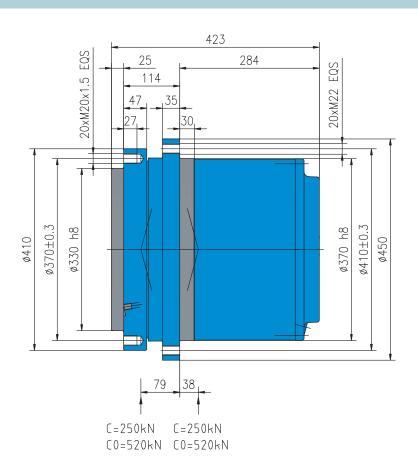


最大输出转矩 Output Torque T2max Nm	传动比 i Ratio i	液压马达 Hydraulic Motor	重量约Kg Gearbox Weight Kg (无液压油、无马达、无卷筒) (without hydraulic oil and motor)
50000	36.8; 45.13; 87.59; 99.75; 125.66; 146.39; 155.94; 177.48	力士乐及国内外各种型号马达,可根据客户的不同要求而设计马达接口结构。 Motors by Rexroth and other brands, connection to be designed on customer request	250

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WLT60T

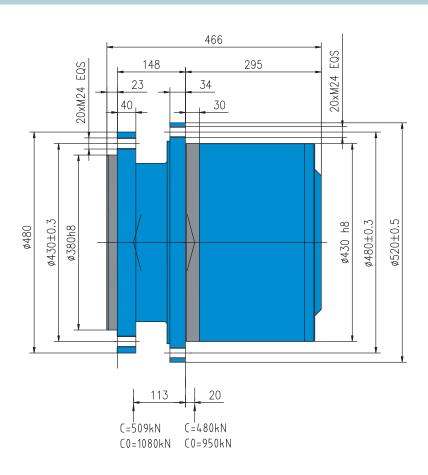


最大输出转矩 Output Torque T _{2max} N _m	传动比 i Ratio i	液压马达 Hydraulic Motor	重量约Kg Gearbox Weight Kg (无液压油、无马达、无卷筒) (without hydraulic oil and motor)
60000	33.03; 39.41; 63.77; 76.55; 86.46; 94.80; 105.53; 111.93; 119.83; 139.86; 150.53; 169.89	力士乐及国内外各种型号马达,可根据客户的不同要求而设计马达接口结构。 Motors by Rexroth and other brands, connection to be designed on customer request	260

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WLT80T

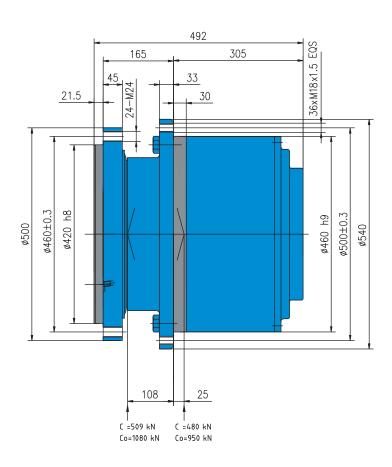


最大输出转矩 Output Torque T _{2max} N _m	传动比 i Ratio i	液压马达 Hydraulic Motor	重量约Kg Gearbox Weight Kg (无液压油、无马达、无卷筒) (without hydraulic oil and motor)
80000	61.28; 76.68; 79.15; 87.64; 98.97; 110.86; 126.94; 149.92; 164.31; 185.43	力士乐及国内外各种型号马达,可根据客户的不同要求而设计马达接口结构。 Motors by Rexroth and other brands, connection to be designed on customer request	380

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WLT110T

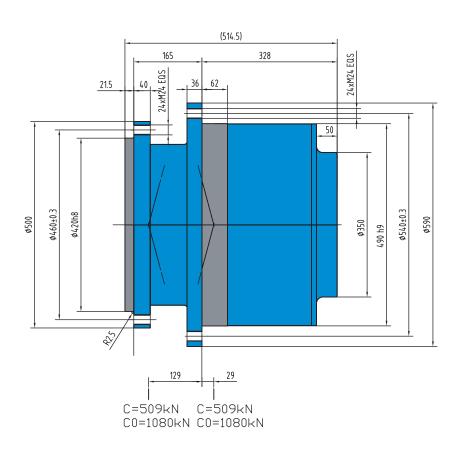


最大输出转矩 Output Torque T _{2max} N _m	传动比 i Ratio i	液压马达 Hydraulic Motor	重量约Kg Gearbox Weight Kg (无液压油、无马达、无卷筒) (without hydraulic oil and motor)
110000	79.5; 87.6; 95.8; 104.2; 114.8; 128.6; 147.2; 164.3; 173.9; 196.8; 215	力士乐及国内外各种型号马达,可根据客户的不同要求而设计马达接口结构。 Motors by Rexroth and other brands, connection to be designed on customer request	425

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WLT130T

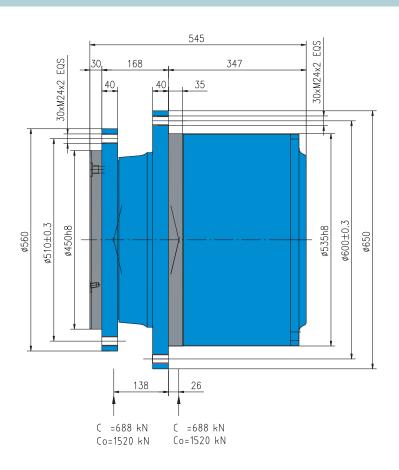


最大输出转矩 Output Torque T _{2max} N _m	传动比 i Ratio i	液压马达 Hydraulic Motor	重量约Kg Gearbox Weight Kg (无液压油、无马达、无卷筒) (without hydraulic oil and motor)
110000	74.8; 98; 105.8; 115.3; 127.3; 143; 164.1; 194.4	力士乐及国内外各种型号马达,可根据客户的不同要求而设计马达接口结构。 Motors by Rexroth and other brands, connection to be designed on customer request	510

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WLT160T

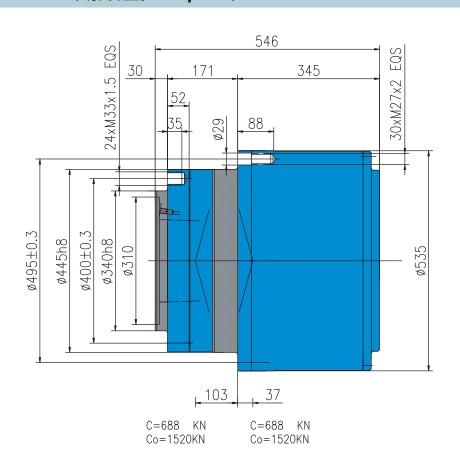


最大输出转矩 Output Torque T _{2max} N _m	传动比 i Ratio i	液压马达 Hydraulic Motor	重量约Kg Gearbox Weight Kg (无液压油、无马达、无卷筒) (without hydraulic oil and motor)
160000	93.7; 101.6; 111.3; 133.1; 162.8; 191.9; 210.8; 251	力士乐及国内外各种型号马达,可根据客户的不同要求而设计马达接口结构。 Motors by Rexroth and other brands, connection to be designed on customer request	680

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WLT160T···100(紧凑型/compact)

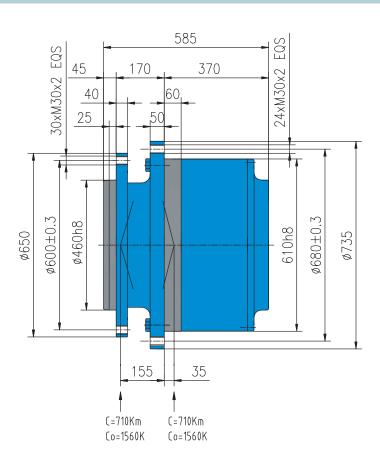


最大输出转矩 Output Torque T _{2max} N _m	传动比 i Ratio i	液压马达 Hydraulic Motor	重量约Kg Gearbox Weight Kg (无液压油、无马达、无卷筒) (without hydraulic oil and motor)
160000	93.7; 101.6; 111.3; 133.1; 162.8; 191.9; 210.8; 251	力士乐及国内外各种型号马达,可根据客户的不同要求而设计马达接口结构。 Motors by Rexroth and other brands, connection to be designed on customer request	680

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WLT220T

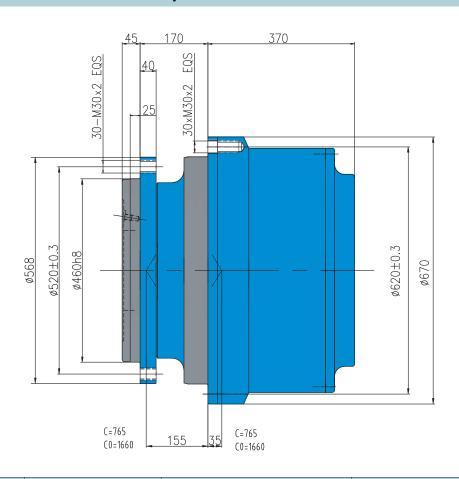


最大输出转矩 Output Torque T _{2max} N _m	传动比 i Ratio i	液压马达 Hydraulic Motor	重量约Kg Gearbox Weight Kg (无液压油、无马达、无卷筒) (without hydraulic oil and motor)
220000	97.7; 116.1; 145.4; 167.9; 188.91; 246.1; 293; 365.55	力士乐及国内外各种型号马达,可根据客户的不同要求而设计马达接口结构。 Motors by Rexroth and other brands, connection to be designed on customer request	820

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WLT220T···100(紧凑型/compact)



最大输出转矩 Output Torque T _{2max} N _m	传动比 i Ratio i	液压马达 Hydraulic Motor	重量约Kg Gearbox Weight Kg (无液压油、无马达、无卷筒) (without hydraulic oil and motor)
220000	105.8; 119; 139.6; 176.6; 209; 230.4; 259.4; 299.9; 239.5; 360.6	力士乐及国内外各种型号马达,可根据客户的不同要求而设计马达接口结构。 Motors by Rexroth and other brands, connection to be designed on customer request	820

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说明 Notes

- 减速机输入转向与输出转向相反。
- 为了保证减速机的正常运转,减速机与机架的安装孔必须对中,并且法兰安装面必须与其垂直。
- 样本中的速比是优选速比, 样本中没有列出的速比将根据客户的实际需求而设计。
- 输出转速允许值(样本中未规定)因实际工况的不同而有所变化,请向本公司技术人员咨询。
- 安装马达时需要在端面或止口处装0形圈密封(减速机不带马达时0形圈由用户自备,也可由我公司提供)。
- Input and output of gearbox are the opposite direction.
- In order to ensure gearbox running, installation holes of gearbox and frame must be aligned. And flange surface have to be vertical.
- Ratio in the catalog is preferable, in case you need other ratio, please consult with our technical engineer.
- Output Speed may change acc to actual condition, please consult with our technical engineer.
- Pls. seal with O ring during motor installation, O ring will not be supplied together with gearbox without motor.