



杭州威灵自动化科技有限公司

Hangzhou Weiling Automation Technology Co., Ltd.



SERVO CONTROL SYSTEM



公司简介 Company profile

杭州威灵自动化科技有限公司作为工业自动化控制和工程实施领域应用的综合型企业，集研发、生产、销售于一体，致力于为客户提供精密、高效、节能、稳定地工业自动化控制解决方案和服务，帮助广大客户创造最大价值。

公司产品以伺服驱动器、伺服电机、运动控制器为核心，专注电液伺服控制、伺服运动控制、转盘控制、电储直驱控制、机电液一体化控制系统。

公司将结合我国产业提升和节能减排的需要，以塑料机械、金属成型、数控机床、印刷包装、起重提升、传统重工、工业机器人等作为发展应用领域，以客户需求为导向，提供拥有最新科技的个性化解决方案。

"以人为本,科技立业", 公司拥有一支经验丰富、实力雄厚的高素质人才队伍。以“快速响应，积极主动，全面细致，用户满意”为不变的服务理念，制定了中、长期切实可行的发展策略。在产品研发上，公司不断引进国内外先进技术，并与国内外相关科研机构建立技术联盟。

As a comprehensive enterprise in the field of industrial automation control and engineering implementation, Hangzhou Weiling Automation Technology Co., Ltd. integrates R&D, production and sales. It is committed to providing customers with precise, efficient, energy-saving and stable industrial automation control solutions and services, and helping customers create maximum value.

The company's products focus on servo driver, servo motor and motion controller, focusing on electro-hydraulic servo control, servo motion control, turntable control, Electric storage direct drive control, electro-hydraulic integrated control system.

The company will combine the needs of industrial upgrading and energy saving and emission reduction in China, take plastic machinery, metal forming, CNC machine tools, printing and packaging, lifting, traditional heavy industry, industrial robots and other fields as development and application fields, and provide personalized solutions with the latest technology based on customer needs.

"People-oriented, science and technology start a business", the company has a team of highly qualified personnel with rich experience and strong strength. With the unchanged service concept of "quick response, positive initiative, comprehensive and meticulous, user satisfaction", a feasible medium and long-term development strategy has been formulated. In product research and development, the company has continuously introduced advanced technology at home and abroad, and established technical alliances with relevant research institutions at home and abroad.

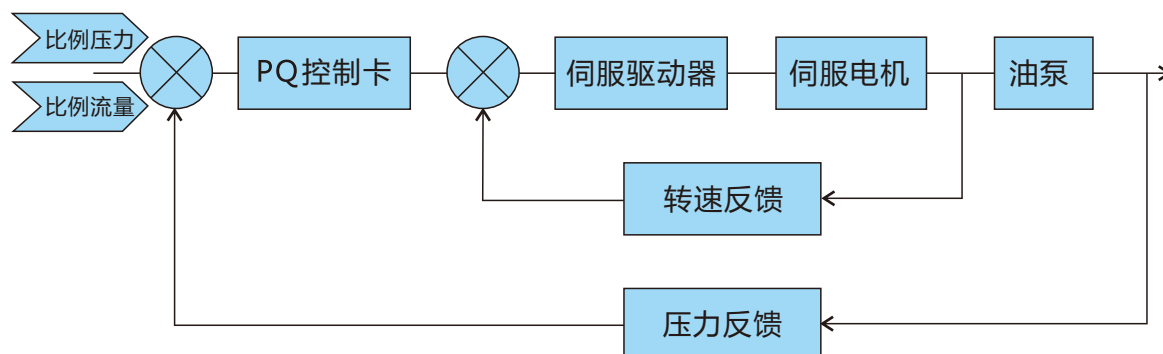
电液伺服系统—Electro-hydraulic Servo Control System

系统简介—Brief Description of the system

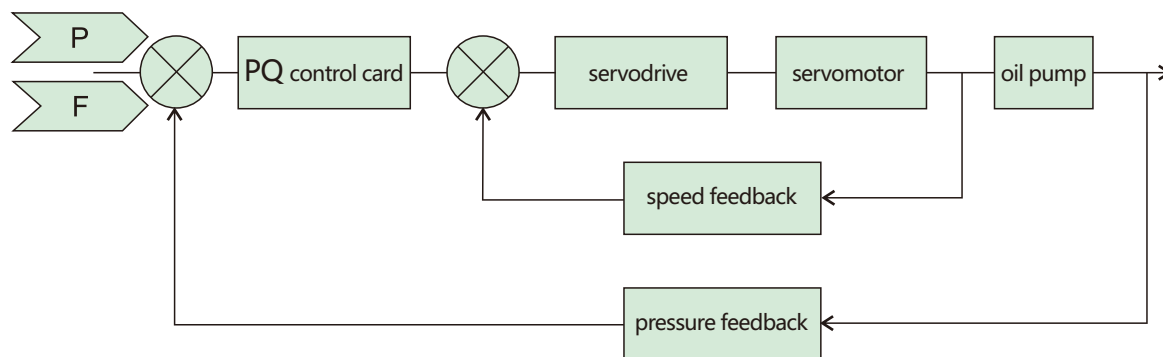
电液伺服系统是一种由电信号处理装置和液压动力机构组成，综合了电气和液压多方面的优点，具有控制精度高、响应速度快、能耗低、信号处理灵活、易于实现各种参量的闭环反馈等优点。因此，在负载质量大又要求响应速度快的场合最为适合，其应用已遍及国民经济的各个领域。

Electro-hydraulic servo system is composed of Electrical signals processing device and Hydraulic power mechanism, it has following advantages: high control precision, fast response, low energy consumption, flexible signal processing, easy to realize the various parameters of the closed loop feedback. so it is suitable for the occasion where needed big quality load and fast response, and this system was widely applied in the national economy.

系统原理图



System principle block diagram



转盘伺服系统—Rotary Disc Servo System

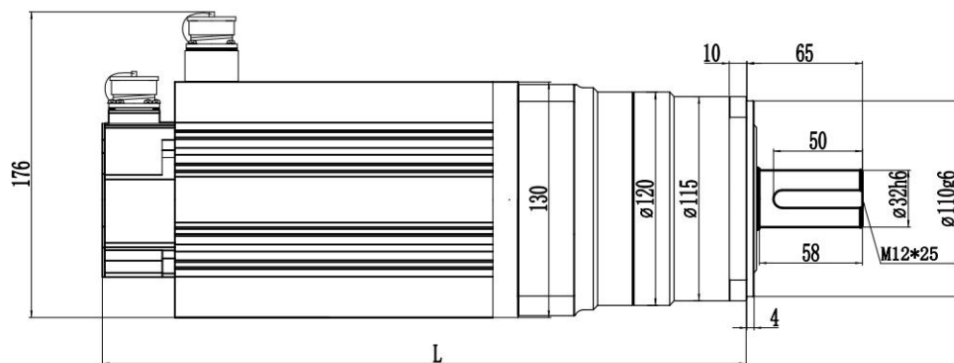
伺服控制优势

- 1、始传统转盘由液压控制时代进入电气控制时代；
- 2、大幅提升转盘的控制可靠性和使用寿命；
- 3、提高转盘的速度和精度；
- 4、正、反向点动运行，方便调模、试模使用；
- 5、自定义多条S运动曲线，实现快速平衡定位；

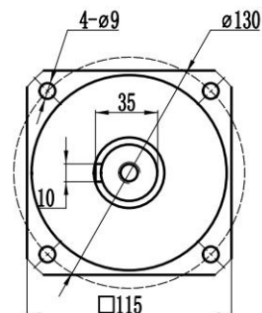
类型	驱动器型号	伺服电机型号	转盘直径（米）	转盘时间（秒）	匹配速比
减速机配置	WLDR-S055-R	130-12B18C-Z	0.8	1.0-1.5	20-30
	WLDR-S055-R	180-18B18C-Z	1.0	1.5-2.5	25-40
	WLDR-S75-R	180-27B18C-Z	1.2	1.5-3.0	30-50
	WLDR-S110-R	180-35B18C-Z	1.5	2.0-3.5	40-60
	WLDR-S150-R	20Z-64B18C-Z	1.6	2.5-3.5	40-60
	WLDR-S220-R	20Z-96B18C-Z	1.8	3.0-4.5	60-90
	WLDR-S300-R	20Z-13B18C-Z	2.0	3.5-5.5	60-90
直驱式配置	WLDR-S055-R	20Z-48B50B-Z	0.8	1.2-2.5	5-8
	WLDR-S075-R	20Z-64B50B-Z	1.0	1.5-2.5	7-10
	WLDR-S110-R	20Z-96B50B-Z	1.2	1.5-3.0	8-12
	WLDR-S150-R	20Z-13C50B-Z	1.5	2.0-3.5	10-12
	WLDR-S185-R	26Z-16C50B-Z	1.6	2.5-3.5	10-12
	WLDR-S220-R	26Z-21C50B-Z	1.8	3.0-4.5	13-15
	WLDR-S300-R	26Z-26C50B-Z	2.0	3.5-5.5	13-15

- 注： 1、驱动器型号-TRA为转盘专用软件：支持CAN总线，支持旋变和绝对值编码器；
- 2、伺服电机型号-Z为自冷，-F为风冷，-ZB为带抱闸自冷；
- 3、转盘直径为匹配该伺服系统的经验值，实际以转动惯量为准；
- 4、转盘时间为转180度所需时间；
- 5、匹配速比为减速机和大小齿轮的总速比，直驱式配置中指大小齿轮比；
- 6、自冷及风冷尺寸详见电机说明中，带抱闸详细资料需联系威灵公司；

130电机+115减速机（一级速比）

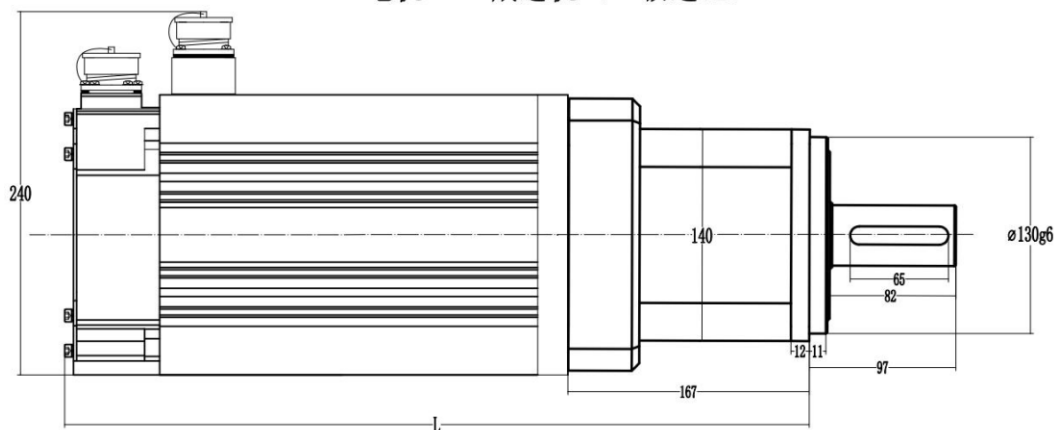


输出端

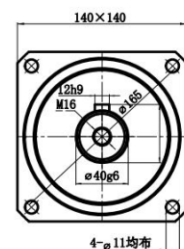


参数	2kw	2.5kw
L	308	342
电机型号	130-60A20C2A-APZK	180-12B20C2A-APZK
额定/最大输入转矩	6/12N.m	12/24N.m
额定/最大输出转矩	190/380N.m	190/380N.m

180电机+140减速机（一级速比）

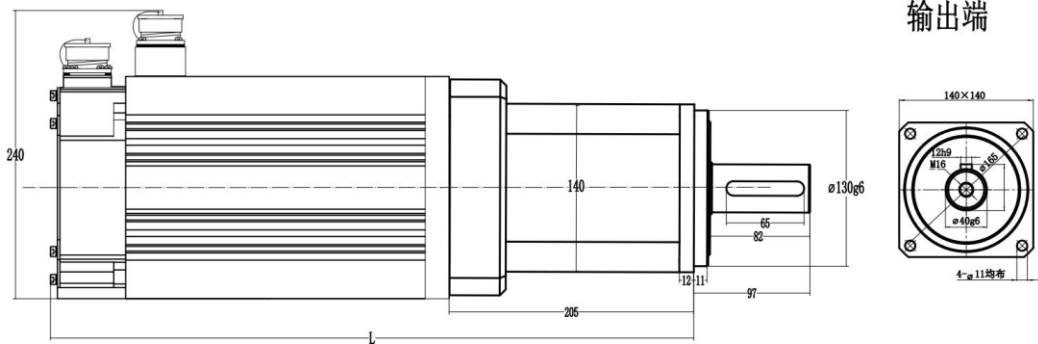


输出端



参数	3.4kw	5.1kw	6.6kw
L	436	471	506
电机型号	180-18B18C2A-APZK	180-27B18C2A-APZK	180-35B18C2A-APZK
额定/最大输入转矩	18/36N.m	27/54N.m	35/70N.m
额定/最大输出转矩	550/1100N.m	550/1100N.m	550/1100N.m

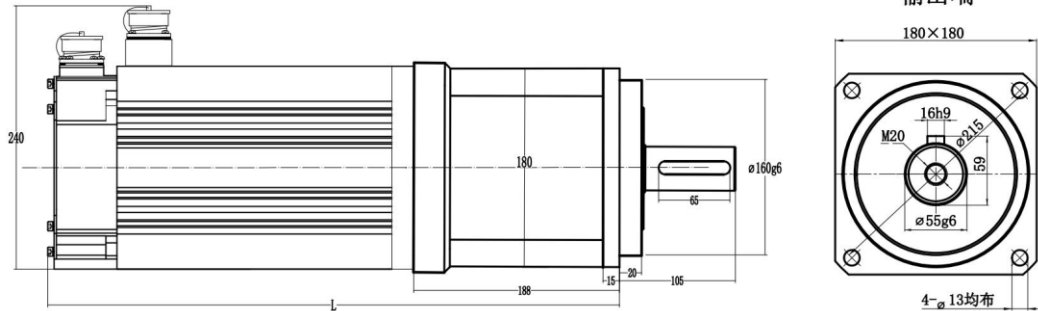
180电机+140减速机（二级速比）



输出端

参数	3.4kw	5.1kw	6.6kw
L	481	516	651
电机型号	180-18818C2A-APZX	180-27818C2A-APZX	180-35818C2A-APZX
额定/最大输入转矩	18/36N.m	27/54N.m	35/70N.m
额定/最大输出转矩	550/1100N.m	550/1100N.m	550/1100N.m

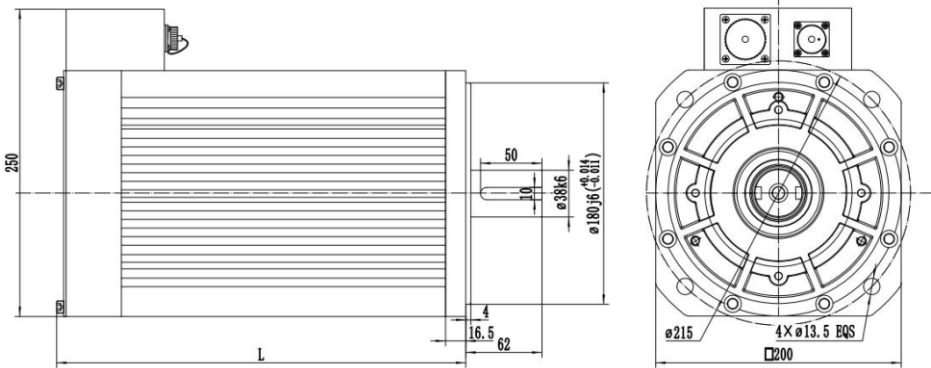
180电机+180减速机（一级速比）



输出端

参数	3.4kw	5.1kw	6.6kw
L	456	491	526
电机型号	180-18818C2A-APZX	180-27818C2A-APZX	180-35818C2A-APZX
额定/最大输入转矩	18/36N.m	27/54N.m	35/70N.m
额定/最大输出转矩	1000/2000N.m	1000/2000N.m	1000/2000N.m

20Z直驱电机



电机型号	20Z-48S082A-APZX	20Z-64S082A-APZX	20Z-96S082A-APZX	20Z-135S082A-APZX	20Z-160S082A-APZX
额定/最大输入转矩	48/96N.m	64/128N.m	96/192N.m	135/270N.m	160/320N.m
额定功率 (kw)	2.5	3.4	5	7.1	8.4
L(mm)	295	331	403	475	547
重量 (kg)	36	43	57	71	85

伺服驱动器 WLDR—系列—Servo drive WLDR- series



适用的功率范围从1kW到600kW，WLDR-系列为各类型伺服电机的驱动提供了卓越的控制性能。为确保给使用WLDR-系列的机器设备提供艺术级的控制，设计上WLDR-系列集成了一系列的高级功能，例如“电气轴同步控制”、“位置控制”以及各种有着广泛应用的现场总线拓展接口。

WLDR-系列内置灵活的可编程软件，为最先进的工业控制系统的预先设置或者客户化的应用方案提供了可行性。采用32位DSP（数字信号处理）芯片，大大加快了数据的采集与处理速度，更好完成对电机的精确控制。

1kW to 600kW, WLDR- providing excellent control performance for all types of servo motor.it integrates a series of advanced features, for example: "Electrical axis synchronized control"、"Position control" and A variety of commonly used bus expansion port .

WLDR- built-in flexible programmable software as the Industrial control set in advance and customization application provide the feasibility. Using 32 bit DSP (digital signal processing) chip, greatly accelerate the speed of data acquisition and processing, better to complete the precise control of motor.

伺服电机—Servo motor



我司为工业装备自动化提供各类的伺服电机，先后研制了1—500Kw，500—3000r/min的正弦波永磁同步交流伺服电机，以及特殊规格伺服电机。WLMO-系列注塑机、液压机专用伺服电机，它采用当今最高端的永磁稀土材料，体积紧凑可靠，缩小设计气隙，在同等功率状态下，注塑机能获得更大的驱动力。目前已批量应用到高效、精密、节能的电液复合型注塑机、液压机上。额定功率1Kw—500Kw，额定转矩18N.m—10000N.m，额定转速500r/min—3000r/min。

Our company provides various kinds of servo motors for industrial equipment automation. We have successively developed 1-500Kw, 500-3000r/min sinusoidal permanent magnet synchronous AC servo motors and special specifications of servo motors. WLMO- series of injection moulding machines and servo motors for hydraulic presses are made of the highest permanent magnet rare earth materials, which are compact and reliable in size and reduce the design air gap. Under the same power condition, the injection moulding machine can obtain greater driving force. S series servo motors have been applied to high efficiency, precision and energy saving electro-hydraulic compound injection moulding machine and hydraulic press in batches. Models rated power 1Kw-500Kw, rated torque 18N.m-10000N.m, rated speed 500r/min-3000r/min.

伺服驱动器产品

永磁同步伺服驱动系统产品为各行业提供动力，完成对机械传动设备的速度、力矩、位置控制。其最大优势是效率高（>96%）、节能优势显著（15-60%）、响应快（ms级）、低速启动力矩大（200%）、噪声低（<70dB）、控制精度高、动态性能好、过载能力强、免维护等优势。我司目前有三个系列驱动器产品，可满足各行业有需求。我司针对不同行业推出专用定制化的产品。

小功率伺服驱动器WLDR-TS

功率0.4kW-7.5kw，支持输入电压范围220-420V。

中功率伺服驱动器WLDR-TM

功率3kW-360kw，支持输入电压范围220-420V，可定制480V电压等级。

大功率伺服驱动器WLDR-TD

功率110kW-600kw，具有独立的整流单元，独立的逆变功率组件，一组独立整流最多可带55个11kw或13个45kw驱动器同时同步工作，支持并联使用。

中功率电液伺服驱动器WLDR-S

功率3kW-300kw，WLDR-S系列内置电液伺服控制、电储料直驱算法。

中功率旋转伺服驱动器WLDR-R

功率5.5kW-90kw，WLDR-R系列内置旋转位置控制算法，实现高速、高精度位置控制。

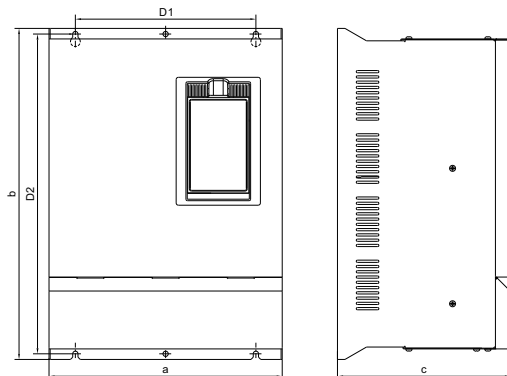


伺服驱动器参数表—Servo driver parameter table

型号	额定功率 (Kw)	额定电压 (V)	额定频率 (Hz)	额定电流 (A)	过载电流 (A) -60S	过载电流 (A) -1S	规格
WLDR-S030-TRA	3	380/415	50/60	7	11	11	0L
WLDR-S040-TRA	4	380/415	50/60	9	14	14	
WLDR-S055-TRA	5.5	380/415	50/60	13	20	20	1L
WLDR-S075-TRA	7.5	380/415	50/60	17	25	25	
WLDR-S110S-TRA	11	380/415	50/60	20	30	30	2L
WLDR-S110-TRA	11	380/415	50/60	21	32	32	
WLDR-S150-TRA	15	380/415	50/60	30	45	45	3L
WLDR-S185-TRA	18.5	380/415	50/60	36	54	54	
WLDR-S220S-TRA	22	380/415	50/60	45	68	68	4L
WLDR-S220-TRA	22	380/415	50/60	50	75	75	
WLDR-S300-TRA	30	380/415	50/60	60	90	90	4LH
WLDR-S370S-TRA	37	380/415	50/60	70	105	105	
WLDR-S370-TRA	37	380/415	50/60	75	112	112	5L
WLDR-S450S-TRA	45	380/415	50/60	90	135	135	
WLDR-S450-TRA	45	380/415	50/60	95	143	143	6L
WLDR-S550-TRA	55	380/415	50/60	110	165	165	
WLDR-S750S-TRA	75	380/415	50/60	130	195	195	7L
WLDR-S750-TRA	75	380/415	50/60	150	225	225	
WLDR-S900-TRA	90	380/415	50/60	180	270	270	8L
WLDR-S1100-TRA	110	380/415	50/60	210	315	315	
WLDR-S1300-TRA	130	380/415	50/60	250	375	375	9L
WLDR-S1600-TRA	160	380/415	50/60	300	450	450	
WLDR-S2000-TRA	200	380/415	50/60	390	580	580	
WLDR-S2500-TRA	250	380/415	50/60	480	720	720	
WLDR-S3000-TRA	300	380/415	50/60	580	870	870	

外形尺寸图—Profile Dimension Diagram

规格	a (mm)	b (mm)	c (mm)	D1 (mm)	D2 (mm)	Φd (mm)	M (kg)
0L	150	330	160	100	318	M6	8
1L	150	330	200	100	318		10
2L	210	330	190	140	315		12
3L	230	360	190	160	345		15
4L	310	440	230	240	425		21
4LH	350	440	230	280	425		24
5L	385	530	260	300	515	M8	35
6L	380	680	300	300	665		43
7L	405	750	310	315	735		67
8L	620	900	400	540	875		101
9L	770	900	450	540	875		133

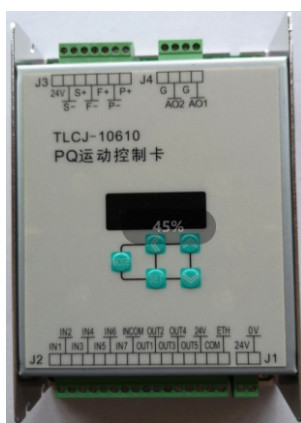


油泵—Oil pump



- 集成多种油泵可供选择（齿轮泵、叶片泵）
- 抗污染性好、体积小、转速高、运行平稳、使用寿命长等特性；
- A variety of pump can be selected (screw pump, vane pump)
- good anti pollution、small size、high speed、smooth operation、long service life;

PQ闭环控制卡、合流卡—PQ card and PQ Confluence card



检测控制器给定的比例压力、比例流量及压力传感器信号，经过应用PID运算，输出实时的伺服电机运行速度给伺服驱动器，以满足高速、精密、节能的控制要求。

针对多泵合流的大型机器，我司研发了PQ合流卡，成功应用到多泵合流的大型电液伺服机型中，实现各油泵间平稳切换和线性叠加。

合流卡具有2路独立的PID控制回路，每组控制回路可带1至3路辅控制输出，可通过修改参数设置控制模式（具有16种控制模式），一块PQ合流卡标准可接4套电液伺服系统，并能扩展到8个。

Receiving the P and F signal from the computer and the signal from pressure sensor, through the PID operation, Giving the real-time precise speed signal to the servo drive, realized the control of high speed and high precision and energy saving requirements.

For the large machine which needed several oil pumps and motors, our company developed a special card- PQ confluence card which has been successfully applied in large machine.

总线运动控制卡—Bus Motion Control Card



根据给定的压力，流量，反馈位置，进行PID运算，输出电压给2组伺服驱动器控制油泵运转。通过CAN通信接口采集两组位移尺的数据，根据两组位移尺的偏差量，实时控制伺服驱动对电机及油泵的转速，达到控制油缸位置平衡，实现滑块保持同步运行。

According to the given pressure, flow rate and feedback position, the PID operation is carried out, and the output voltage is given to two groups of servo drivers to control the operation of the oil pump. The data of two sets of displacement rulers are collected through CAN communication interface. According to the deviation of two sets of displacement rulers, the speed of motor and oil pump driven by servo is controlled in real time to achieve the position balance of cylinder and the synchronous operation of slider.

伺服电机产品

永磁同步伺服电机产品主要为设备提供动力，匹配不同传动机构，完成对机械设备的控制。其最大优势是响应快，动态性能好、启动转矩大、过载能力强、效率高、节能优势显著、运行噪声轻等优势。

我司目前有八大系列伺服电机产品，可满足各行业有需求，并针对不同行业推出专用定制化的产品。

小功率自冷伺服电机WLMO-09/11/13

功率0.4kW-3.7kW，具有单相或三相AC 220V，可定制380V电压等级。

中功率风冷伺服电机WLMO-18F/20F/26F

功率3kW-110kW，转矩18-500N.m，转速500-3000r/min。

大功率风冷/液冷伺服电机WLMO-33F/40F/33W/42W

功率30kW-300kW，转矩500-3000N.m，转速1000-2000r/min。

中空液冷伺服电机WLMO-40W/50W

功率30kW-500kW，转矩1000-5000N.m，转速500-2000r/min。

低速大扭矩液冷伺服电机WLMO-33Y/33W/40W/52W/65W/85W/98W

功率15kW-300kW，转矩500-20000N.m，转速30-500r/min。

内置行星减速液冷伺服电机WLMO-22X/25X/35X/45X/55X/65X

功率15kW-300kW，转矩1000-100000N.m，转速30-300r/min。

电机+驱动器一体机WLMO-33H/42H

功率11kW-100kW，转矩450-2000N.m，转速200-400r/min。

电机+减速机+驱动器一体机WLMO-25XH/35XH

功率11kW-100kW，转矩1000-5000N.m，转速100-300r/min。



伺服电机产品标识方法

WL MO – 20 F – 13 C 15 C 2 A – R P F K 1 L B
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

- 1: WL威灵的缩写;
- 2: MO电机的缩写;
- 3: 机座号 如20、26、33; 表示电机的外径的标称值(圆电机), 或外壳的尺寸(方电机);
- 4: 类型: F、W、Y、Z标准电机; X-内置行星; H-驱动电机一体; T-带推力轴承;
- 5: 转矩, 如13、17、23、29、34、40、48;
- 6: 转矩倍数: A-*0.1; B-*1; C-*10; D-*100; E-*1000;
- 7: 转数, 如10、15、18、20、25、30、40、50;
- 8: 转数倍数: A-*1; B-*10; C-*100;
- 9: 电压等级: 1-220V; 2-380V; 3-480V;
- 10: 设计序号: A、B、C
- 11: 编码器方式: R-旋转变压器 (标配) M-光电编码器 A:绝对值;
- 12: 传感器方式: P-PTC (标配130°C) K-KTY;
- 13: 冷却方式: F表示风冷; W表示水冷; Y表示油冷; Z表示自然冷却;
- 14: 输出轴: K-键轴; B-光轴; N-内花键;
- 15: 轴大小: 1-1号; 2-2号; 3-3号; 4-4号; 5-5号; 标准轴省略;
- 16: 轴长短: 标准轴省略; L表示加长型;
- 17: 抱闸: 标准轴省略不带; B 表示带抱闸;

使用环境

环境温度-----0°C ~ +40°C

环境湿度-----85%Max

绝缘等级----- F级

伺服电机选型（参数）—Servo motor selection(Parameter)

序 号	系 列	型 号	转矩 (S1) N.m	转矩 (S4) N.m	转数 (n) (r/min)	频率 (P) (kW)	规格
1	180	180-18Bxxxxx-xxxx	18	23	1000-3000	2.0-5.5	180-1
		180-27Bxxxxx-xxxx	27	34		3.0-9.0	180-2
		180-35Bxxxxx-xxxx	35	44		3.7-11	180-3
		180-21Bxxxxx-xxxx	21	26		2.2-6.6	180F-0
		180-32Bxxxxx-xxxx	32	40		3.0-10	180F-1
		180-43Bxxxxx-xxxx	43	54		4.5-13.5	180F-2
		180-54Bxxxxx-xxxx	54	68		5.5-18	180F-3
2	20F	20F-57Bxxxxx-xxxx	57	71	500-2000	3.0-12	20F-3
		20F-76Bxxxxx-xxxx	76	95		4.0-16	20F-4
		20F-95Bxxxxx-xxxx	95	119		5.0-20	20F-5
		20F-11Cxxxxx-xxxx	114	143		6.0-24	20F-6
		20F-13Cxxxxx-xxxx	133	166		7.0-28	20F-7
		20F-15Cxxxxx-xxxx	152	190		8.0-32	20F-8
		20F-17Cxxxxx-xxxx	171	214		9.0-36	20F-9
		20F-19Cxxxxx-xxxx	190	238		10-40	20F-10
3	26F	26F-11Cxxxxx-xxxx	116	145	500-2000	6.0-24	26F-2
		26F-17Cxxxxx-xxxx	174	218		9.0-36	26F-3
		26F-23Cxxxxx-xxxx	232	290		12-49	26F-4
		26F-29Cxxxxx-xxxx	290	363		15-60	26F-5
		26F-34Cxxxxx-xxxx	348	435		18-72	26F-6
		26F-40Cxxxxx-xxxx	406	508		21-85	26F-7
		26F-46Cxxxxx-xxxx	464	580		24-97	26F-8
		26F-52Cxxxxx-xxxx	522	653		27-110	26F-9
4	33F	33F-24Cxxxxx-xxxx	240	300	300-2000	13-50	33F-2
		33F-36Cxxxxx-xxxx	360	450		19-75	33F-3
		33F-48Cxxxxx-xxxx	480	600		25-100	33F-4
		33F-60Cxxxxx-xxxx	600	750		31-125	33F-5
		33F-72Cxxxxx-xxxx	720	900		38-150	33F-6
		33F-84Cxxxxx-xxxx	840	1050		44-176	33F-7
		33F-96Dxxxxx-xxxx	960	1200		50-201	33F-8
		33F-10Dxxxxx-xxxx	1080	1350		56-226	33F-9

电机转速可定制，电机轴可定平键、安装方式标准止口安装，支持地脚固定，编码器标配旋转变压器、可支付增量、绝对值编码器，内置PTC130温度保护，可选安装KTY84。

伺服电机选型（参数）——Servo motor selection (Parameter)

序 号	系 列	型 号	转矩 (S1) N.m	转矩 (S4) N.m	转数 (n) r/min	频率 (P) kW	规格
1	33Y/W	33Y-30Cxxxxx-xxxx	300	375	300-2000	9.0-63	33Y-2
		33Y-45Cxxxxx-xxxx	450	563	300-2000	14-94	33Y-3
		33Y-60Cxxxxx-xxxx	600	750	300-2000	19-126	33Y-4
		33Y-75Cxxxxx-xxxx	750	938	300-2000	24-157	33Y-5
		33Y-90Cxxxxx-xxxx	900	1125	300-2000	28-188	33Y-6
		33Y-10Dxxxxx-xxxx	1050	1313	300-2000	33-220	33Y-7
		33Y-12Dxxxxx-xxxx	1200	1500	300-2000	38-251	33Y-8
2	40W	40W-50Cxxxxx-xxxx	500	600	300-2000	16-105	40W-2
		40W-75Cxxxxx-xxxx	750	900	300-2000	24-157	40W-3
		40W-10Dxxxxx-xxxx	1000	1200	300-2000	31-109	40W-4
		40W-12Dxxxxx-xxxx	1250	1500	300-2000	39-262	40W-5
		40W-15Dxxxxx-xxxx	1500	1800	300-2000	47-314	40W-6
		40W-17Dxxxxx-xxxx	1750	2100	300-2000	55-367	40W-7
		40W-20Dxxxxx-xxxx	2000	2400	300-2000	63-419	40W-8
3	42W	42W-12Dxxxxx-xxxx	1200	1500	200-2000	25-189	42W-4
		42W-15Dxxxxx-xxxx	1500	1875	200-2000	31-236	42W-5
		42W-18Dxxxxx-xxxx	1800	2250	200-2000	38-283	42W-6
		42W-21Dxxxxx-xxxx	2100	2625	200-2000	44-330	42W-7
		42W-24Dxxxxx-xxxx	2400	3000	200-2000	50-377	42W-8
		42W-27Dxxxxx-xxxx	2700	3375	200-2000	57-424	42W-9
4	52W	52W-20Dxxxxx-xxxx	2000	2500	100-500	31-105	52W-4
		52W-25Dxxxxx-xxxx	2500	3125	100-500	39-131	52W-5
		52W-30Dxxxxx-xxxx	3000	3750	100-500	47-157	52W-6
		52W-35Dxxxxx-xxxx	3500	4375	100-500	55-183	52W-7
		52W-40Dxxxxx-xxxx	4000	5000	100-500	63-209	52W-8
		52W-45Dxxxxx-xxxx	4500	5625	100-500	71-236	52W-9
		52W-50Dxxxxx-xxxx	5000	6250	100-500	79-262	52W-10
5	65W	65W-48Dxxxxx-xxxx	4800	6000	60-300	30-151	65W-6
		65W-56Dxxxxx-xxxx	5600	7000	60-300	35-176	65W-7
		65W-64Dxxxxx-xxxx	6400	8000	60-300	40-201	65W-8
		65W-72Dxxxxx-xxxx	7200	9000	60-300	45-226	65W-9
		65W-80Dxxxxx-xxxx	8000	10000	60-300	50-251	65W-10
		65W-88Dxxxxx-xxxx	8800	11000	60-300	55-276	65W-11
		65W-96Dxxxxx-xxxx	9600	12000	60-300	60-302	65W-12

电机转速可定制，电机轴可定平键、花键轴，40W、52W、65W可定制中空轴，安装方式标准止口安装，支持地脚固定，编码器标配旋转变压器，内置PTC130温度保护，可选安装KTY84。

伺服电机选型（参数）——Servo motor selection (Parameter)

序号	系列	型 号	转矩 (S1) N.m	转矩 (S4) N.m	转数 (n) r/min	频率 (P) kW	规格	安装方式
1	22X	22X-80Cxxxxx-xxxx	800	1000	60-300	5.0-25	22X-6-2	兼容 NHM11
		22X-12Dxxxxx-xxxx	1200	1500	60-300	7.5-38	22X-6-3	
		22X-16Dxxxxx-xxxx	1600	2000	60-300	10-50	22X-6-4	
		22X-20Dxxxxx-xxxx	2000	2500	60-300	13-63	22X-6-5	
2	25X	25X-10Dxxxxx-xxxx	1000	1200	60-250	6.0-26	25X-6-2	兼容 NHM16
		25X-15Dxxxxx-xxxx	1500	1800	60-250	9.0-39	25X-6-3	
		25X-20Dxxxxx-xxxx	2000	2400	60-250	13-52	25X-6-4	
		25X-25Dxxxxx-xxxx	2500	3000	60-250	16-65	25X-6-5	
		25X-30Dxxxxx-xxxx	3000	3600	60-250	19-79	25X-6-6	
3	35X	35X-18Dxxxxx-xxxx	1800	2300	60-250	11-47	35X-6-2	兼容 NHM31
		35X-27Dxxxxx-xxxx	2700	3400	60-250	17-71	35X-6-3	
		35X-36Dxxxxx-xxxx	3600	4500	60-250	23-94	35X-6-4	
		35X-45Dxxxxx-xxxx	4500	5600	60-250	28-118	35X-6-5	
		35X-54Dxxxxx-xxxx	5400	6700	60-250	34-141	35X-6-6	
4	45X	45X-54Dxxxxx-xxxx	5400	6750	60-200	34-113	45X-6-3	兼容 F70
		45X-72Dxxxxx-xxxx	7200	9000	60-200	45-151	45X-6-4	
		45X-90Dxxxxx-xxxx	9000	11250	60-200	57-188	45X-6-5	
		45X-10Exxxxxx-xxxx	10800	13500	60-200	68-226	45X-6-6	
		45X-12Exxxxxx-xxxx	12000	15000	60-200	75-251	45X-6-7	
5	55X	55X-10Exxxxxx-xxxx	10500	12600	60-120	66-132	55X-6-4	兼容 F100
		55X-12Exxxxxx-xxxx	12500	15000	60-120	79-157	55X-6-5	
		55X-15Exxxxxx-xxxx	15000	18000	60-120	94-188	55X-6-6	
		55X-17Exxxxxx-xxxx	17500	21000	60-120	110-220	55X-6-7	
		55X-20Exxxxxx-xxxx	20000	24000	60-120	126-251	55X-6-8	
6	55X	55X-20Exxxxxx-xxxx	20000	24000	60-85	126-178	55X-12-4	兼容 CA210
		55X-25Exxxxxx-xxxx	25000	30000	60-85	157-223	55X-12-5	
		55X-30Exxxxxx-xxxx	30000	36000	60-85	188-267	55X-12-6	
7	55X	55X-20Exxxxxx-xxxx	20000	24000	50-75	105-157	55X-16-3	兼容 CA210
		55X-27Exxxxxx-xxxx	27000	32400	50-75	141-212	55X-16-4	
		55X-33Exxxxxx-xxxx	33500	40200	50-75	175-263	55X-16-5	
8	65X	65X-20Exxxxxx-xxxx	35000	42000	30-60	110-220	65X-20-3	兼容 CB280
		55X-27Exxxxxx-xxxx	45000	54000	30-60	141-283	65X-20-4	
		55X-33Exxxxxx-xxxx	55000	66000	30-60	173-346	65X-20-5	

电机转速可定制，电机轴可定平键、花键轴，安装方式兼容油马达，支持地脚支撑固定，编码器标配旋转变压器，内置行星减速机，内置PTC130，KTW84温度保护。——安装方式支持定制

伺服电机参数表—Servo motor parameter table

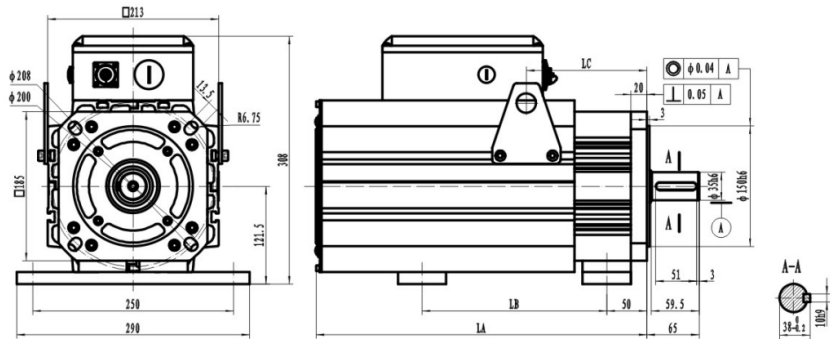
型号	额定转矩 Nm	额定转数 r/min	额定电流 A	额定功率 Kw	转矩常数 Nm/A	定额定频率 Hz	线电阻 Ω	线电感 mH	额定电压 V	规格
180-18B18C	18	1800	6	3.4	3.00	120	2.04	14.80	367	180-1
180-27B18C	27	1800	9	5.1	3.00	120	1.05	8.62	350	180-2
180-35B18C	35	1800	11.5	6.6	3.04	120	0.74	6.62	357.5	180-3
180-21B18C	21	1800	7	4.0	3.00	120	2.04	14.80	372	180F-0
180-32B18C	32	1800	11	6.0	2.91	120	1.05	8.62	354	180F-1
180-43B18C	43	1800	14	8.1	3.07	120	0.74	6.62	362	180F-2
180-54B18C	54	1800	20	10.2	2.70	120	0.44	3.93	325	180F-3

注： (1) 最高转速一般比额定转速高25%，若使用驱动器弱磁控制功能，最高转速可高50%；
 (2) 以上电机参数是 $\Delta T=65^{\circ}\text{C}$ 时数据，若 $\Delta T=100^{\circ}\text{C}$ 时，则额定转矩、电流、功率提高20%；

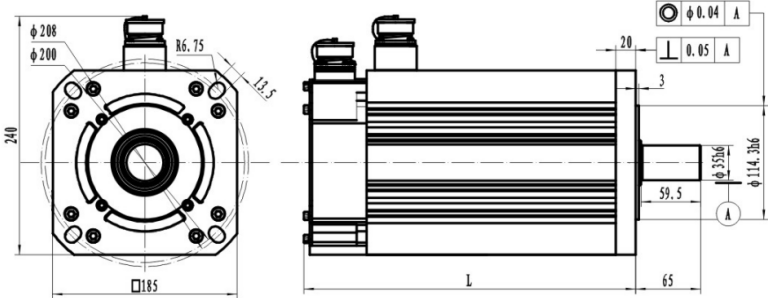
Note:(1) The maximum speed is generally 25% higher than the rated speed. If the magnetic weakening control function of the driver is used, the maximum speed can be 50%.
 (2) The above motor parameters are the data when $T = 65\text{ C}$. If $T = 100\text{ C}$, the rated torque, current and power will be increased by 20%.

外形尺寸图—Profile Dimension Diagram

规格	L (mm)	M (kg)
180-1	268	25
180-2	303	27
180-3	338	32



规格	LA (mm)	LB (mm)	M (kg)
180F-0	335	140	26
180F-1	370	210	40
180F-2	405	210	45
180F-3	441	280	60



伺服电机参数表—Servo motor parameter table

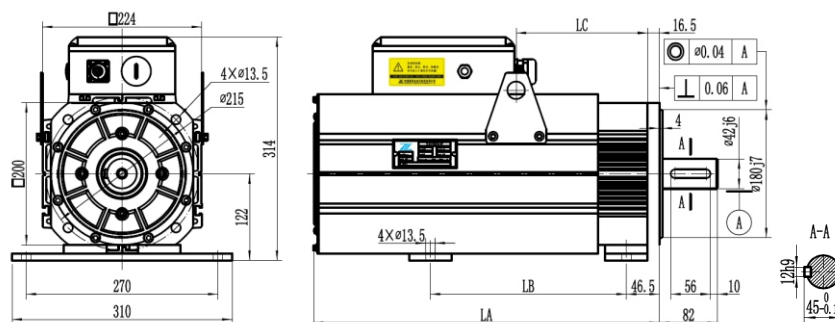
型号	额定转矩 Nm	额定转数 r/min	额定电流 A	额定功率 Kw	转矩常数 Nm/A	额定频率 Hz	线电阻 Ω	线电感 mH	额定电压 V	规格
200-48B50B	52	500	6.5	2.7	8.00	33.3	6.66	82.10	306	200F-3
200-48B18C	52	1800	17.2	9.8	3.02	120	0.93	11.46	380	200F-3
200-64B50B	67	500	6.3	3.5	10.63	33.3	7.87	104.6	380	200F-4
200-64B18C	67	1800	23.5	12.6	2.85	120	0.56	7.64	360	200F-4
200-64B20C	67	2000	26	14.0	2.58	133.3	0.48	6.18	363	200F-4
200-80B18C	84	1800	30	15.8	2.80	120	0.43	6.01	362	200F-5
200-80B20C	84	2000	34	17.6	2.47	133.3	0.32	4.72	348	200F-5
200-96B50B	101	500	9	5.3	11.22	33.3	5.00	76.80	380	200F-6
200-96B15C	101	1500	29	15.9	3.48	100	0.46	7.32	361	200F-6
200-96B18C	101	1800	33.5	19.0	3.01	120	0.39	5.45	377	200F-6
200-96B20C	101	2000	39	21.2	2.59	133.3	0.28	4.12	358	200F-6
200-11C18C	118	1800	39	22.2	3.03	120	0.22	4.68	376	200F-7
200-13C50B	135	500	13	7.1	10.38	33.3	3.26	48.40	380	200F-8
200-13C15C	135	1500	39	21.2	3.46	100	0.34	5.52	360	200F-8
200-13C18C	135	1800	47	25.4	2.87	120	0.28	3.66	356	200F-8
200-13C20C	135	2000	59	28.3	2.29	133.3	0.14	2.45	321	200F-8

注：最高转速一般比额定转速高25%，若使用驱动器弱磁控制功能，最高转速可高50%；

Note: The maximum speed is generally 25% higher than the rated speed. If the magnetic weakening control function of the driver is used, the maximum speed can be 50%.

外形尺寸图—Profile Dimension Diagram

规格	LA (mm)	LB (mm)	M (kg)
200F-2	335	200	39
200F-3	370	204	46
200F-4	405	204	53
200F-5	441	276	60
200F-6	487	276	67
200F-7	523	349	74
200F-8	560	349	81



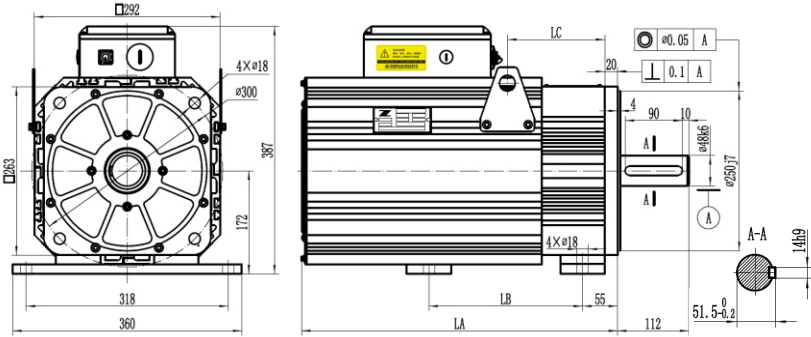
伺服电机参数表—Servo motor parameter table

型号	额定转矩 Nm	额定转速 r/min	额定电流 A	额定功率 Kw	转矩常数 Nm/A	定额定频率 Hz	线电阻 Ω	线电感 mH	额定电压 V	规格
263-16C50B	160	500	18.3	8.4	8.74	33.3	1.38	31.00	323	263F-3
263-16C15C	160	1500	47	25.1	3.40	100	0.20	4.54	360	263F-3
263-16C18C	160	1800	54	30.2	2.96	120	0.13	3.28	360	263F-3
263-16C20C	160	2000	64	33.5	2.50	133.3	0.10	2.30	338	263F-3
263-21C50B	215	500	23.5	11.3	9.15	33.3	1.00	24.50	330	263F-4
263-21C16C	215	1600	66.5	36.0	3.23	106.7	0.13	3.20	362	263F-4
263-21C20C	215	2000	83	45.0	2.59	133.3	0.08	2.00	360	263F-4
263-26C50B	265	500	27	13.9	9.81	33.3	0.85	22.50	353	263F-5
263-26C17C	265	1700	85	47.2	3.23	113.3	0.10	2.47	380	263F-5
263-26C20C	265	2000	107	55.5	2.48	133.3	0.05	1.40	342	263F-5
263-31C16C	315	1600	108	52.8	2.92	106.7	0.06	1.57	324	263F-6
263-31C18C	315	1800	108	59.4	2.92	120	0.06	1.57	364	263F-6
263-31C20C	315	2000	163	66.0	1.93	133.3	0.03	0.70	270	263F-6
263-36C16C	360	1600	107	60.3	3.36	106.7	0.08	1.95	376	263F-7
263-36C20C	360	2000	157	75.4	2.29	133.3	0.03	0.85	312	263F-7
263-41C16C	410	1600	148	68.7	2.77	133.3	0.03	0.95	310	263F-8
263-41C20C	410	2000	160	85.9	2.56	133.3	0.03	0.97	370	263F-8

注： 以上电机参数是 $\Delta T=65^{\circ}\text{C}$ 时数据，若 $\Delta T=100^{\circ}\text{C}$ 时，则额定转矩、电流、功率提高20%；
 Note: The above motor parameters are the data when $T=65\text{ }^{\circ}\text{C}$. If $T=100\text{ }^{\circ}\text{C}$, the rated torque, current and power will be increased by 20%.

外形尺寸图—Profile Dimension Diagram

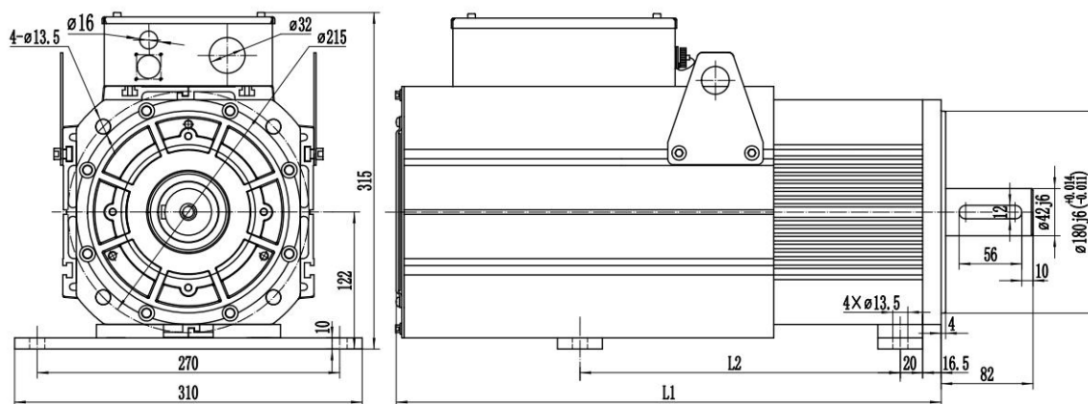
规格	LA (mm)	LB (mm)	M (kg)
263F-2	489	242	101
263F-3	544	297	119
263F-4	644	352	138
263F-5	699	407	157
263F-6	754	462	176
263F-7	809	517	195
263F-8	864	567	216



伺服电机参数表—Servo motor parameter table

型号	额定转速 r/min	额定转矩 S1(N·m)	额定转矩 S4(N·m)	额定功率 S1(Kw)	额定功率 S4(Kw)	额定电流 S1 (A)	额定电流 S4 (A)	额定频率 (Hz)	额定电压 (V)	规格
20F-57B15C	1500	57	71	9.0	11.2	16.3	20.3	100	380	20F-3
20F-76B15C	1500	76	95	11.9	14.9	21.7	27.1	100	380	20F-4
20F-95B15C	1500	95	119	14.9	18.7	27.1	33.9	100	380	20F-5
20F-11C15C	1500	114	143	17.9	22.4	32.5	40.6	100	380	20F-6
20F-13C15C	1500	133	166	20.9	26.1	37.9	47.4	100	380	20F-7
20F-15C15C	1500	152	190	23.9	29.8	43.3	54.2	100	380	20F-8
20F-17C15C	1500	171	214	26.9	33.6	48.8	61.0	100	380	20F-9
20F-57B18C	1800	57	71	10.7	13.4	19.5	24.4	120	380	20F-3
20F-76B18C	1800	76	95	14.3	17.9	26.0	32.5	120	380	20F-4
20F-95B18C	1800	95	119	17.9	22.4	32.5	40.6	120	380	20F-5
20F-11C18C	1800	114	143	21.5	26.9	39.0	48.8	120	380	20F-6
20F-13C18C	1800	133	166	25.1	31.3	45.5	56.9	120	380	20F-7
20F-15C18C	1800	152	190	28.6	35.8	52.0	65.0	120	380	20F-8
20F-17C18C	1800	171	214	32.2	40.3	58.5	73.1	120	380	20F-9
20F-57B20C	2000	57	71	11.9	14.9	21.7	27.1	133	380	20F-3
20F-76B20C	2000	76	95	15.9	19.9	28.9	36.1	133	380	20F-4
20F-95B20C	2000	95	119	19.9	24.9	36.1	45.2	133	380	20F-5
20F-11C20C	2000	114	143	23.9	29.8	43.3	54.2	133	380	20F-6
20F-13C20C	2000	133	166	27.9	34.8	50.6	63.2	133	380	20F-7
20F-15C20C	2000	152	190	31.8	39.8	57.8	72.2	133	380	20F-8
20F-17C20C	2000	171	214	35.8	44.8	65.0	81.3	133	380	20F-9

外形尺寸图（参考 20F 系列）

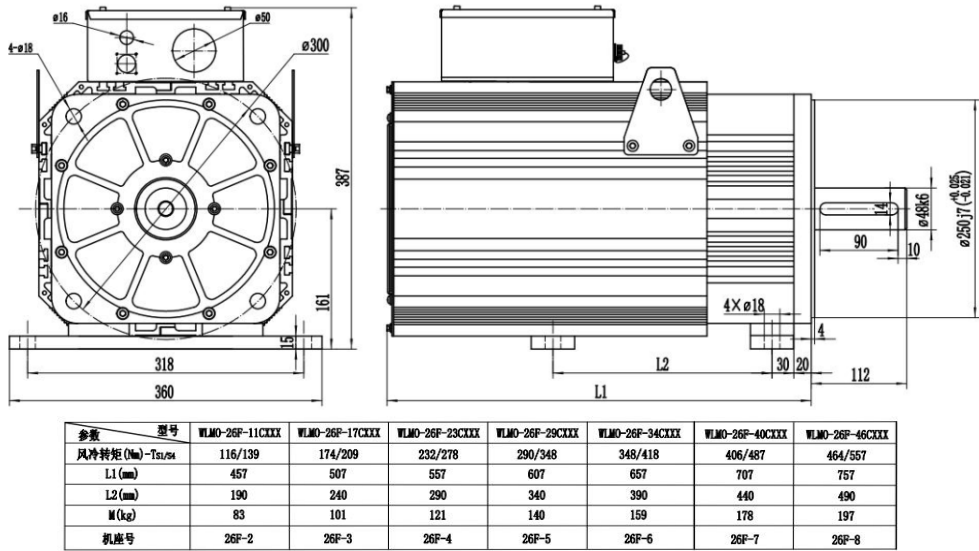


参数	型号	20F-57BXX-XXX	20F-76BXX-XXX	20F-95BXX-XXX	20F-11CXX-XXX	20F-13CXX-XXX	20F-15CXX-XXX	20F-17CXX-XXX
风冷转矩 (Nm) - T _{SL/50}		57/71	76/95	95/119	114/143	133/166	152/190	171/214
L1 (mm)		380	415	451	487	523	560	597
L2 (mm)		204	204	276	276	349	349	400
M (kg)		46	53	60	67	74	81	88
规格		20F-3	20F-4	20F-5	20F-6	20F-7	20F-8	20F-9

伺服电机参数表—Servo motor parameter table

型号	额定转速 r/min	额定转矩 S1(N·m)	额定转矩 S4(N·m)	额定功率 S1(Kw)	额定功率 S4(Kw)	额定电流 S1 (A)	额定电流 S4 (A)	定 额 频 率 (Hz)	额定电压 (V)	规格
26F-11C15C	1500	116	145	18.2	22.8	33.1	41.3	100	380	26F-2
26F-17C15C	1500	174	218	27.3	34.2	49.6	62.0	100	380	26F-3
26F-23C15C	1500	232	290	36.4	45.5	66.2	82.7	100	380	26F-4
26F-29C15C	1500	290	363	45.5	56.9	82.7	103.4	100	380	26F-5
26F-34C15C	1500	348	435	54.7	68.3	99.2	124.0	100	380	26F-6
26F-40C15C	1500	406	508	63.8	79.7	115.8	144.7	100	380	26F-7
26F-46C15C	1500	464	580	72.9	91.1	132.3	165.4	100	380	26F-8
26F-11C18C	1800	116	145	21.9	27.3	39.7	49.6	120	380	26F-2
26F-17C18C	1800	174	218	32.8	41.0	59.5	74.4	120	380	26F-3
26F-23C18C	1800	232	290	43.7	54.7	79.4	99.2	120	380	26F-4
26F-29C18C	1800	290	363	54.7	68.3	99.2	124.0	120	380	26F-5
26F-34C18C	1800	348	435	65.6	82.0	119.1	148.9	120	380	26F-6
26F-40C18C	1800	406	508	76.5	95.7	138.9	173.7	120	380	26F-7
26F-46C18C	1800	464	580	87.5	109.3	158.8	198.5	120	380	26F-8
26F-11C20C	2000	116	145	24.3	30.4	44.1	55.1	133	380	26F-2
26F-17C20C	2000	174	218	36.4	45.5	66.2	82.7	133	380	26F-3
26F-23C20C	2000	232	290	48.6	60.7	88.2	110.3	133	380	26F-4
26F-29C20C	2000	290	363	60.7	75.9	110.3	137.8	133	380	26F-5
26F-34C20C	2000	348	435	72.9	91.1	132.3	165.4	133	380	26F-6
26F-40C20C	2000	406	508	85.0	106.3	154.4	193.0	133	380	26F-7
26F-46C20C	2000	464	580	97.2	121.5	176.4	220.5	133	380	26F-8

外形尺寸图（参考 26F 系列）



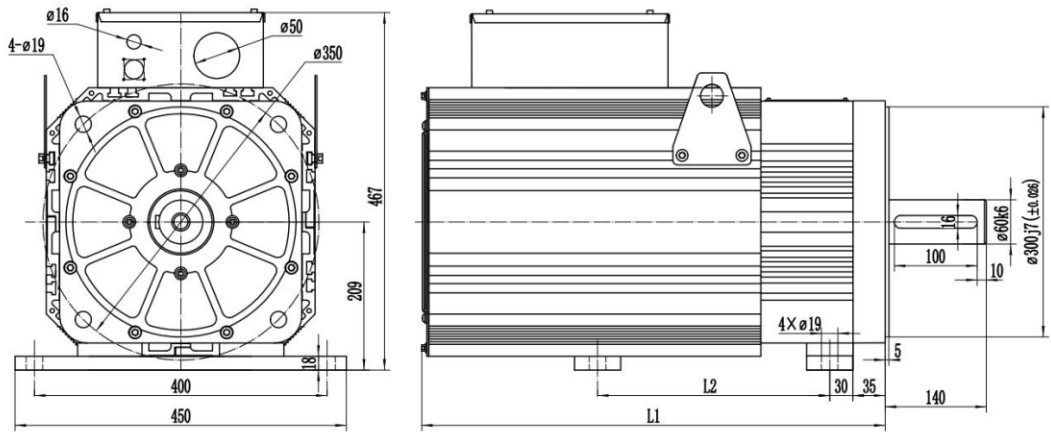
伺服电机参数表—Servo motor parameter table

型号	额定转数 r/min	额定转矩 S1(N·m)	额定转矩 S4(N·m)	额定功率 S1(Kw)	额定功率 S4(Kw)	额定电流 S1 (A)	额定电流 S4 (A)	额定频率 Hz	额定电压 V	规格
33F-24C30B	300	240	300	7.5	9.4	13.7	17.1	30	380	33F-2
33F-36C30B	300	360	450	11.3	14.1	20.5	25.7	30	380	33F-3
33F-48C30B	300	480	600	15.1	18.8	27.4	34.2	30	380	33F-4
33F-60C30B	300	600	750	18.8	23.6	34.2	42.8	30	380	33F-5
33F-72C30B	300	720	900	22.6	28.3	41.1	51.3	30	380	33F-6
33F-90C30B	300	840	1050	26.4	33.0	47.9	59.9	30	380	33F-7
33F-96C30B	300	960	1200	30.2	37.7	54.8	68.4	30	380	33F-8
33F-24C40B	400	240	300	10.1	12.6	18.3	22.8	40	380	33F-2
33F-36C40B	400	360	450	15.1	18.8	27.4	34.2	40	380	33F-3
33F-48C40B	400	480	600	20.1	25.1	36.5	45.6	40	380	33F-4
33F-60C40B	400	600	750	25.1	31.4	45.6	57.0	40	380	33F-5
33F-72C40B	400	720	900	30.2	37.7	54.8	68.4	40	380	33F-6
33F-90C40B	400	840	1050	35.2	44.0	63.9	79.8	40	380	33F-7
33F-96C40B	400	960	1200	40.2	50.3	73.0	91.3	40	380	33F-8
33F-24C50B	500	240	300	12.6	15.7	22.8	28.5	50	380	33F-2
33F-36C50B	500	360	450	18.8	23.6	34.2	42.8	50	380	33F-3
33F-48C50B	500	480	600	25.1	31.4	45.6	57.0	50	380	33F-4
33F-60C50B	500	600	750	31.4	39.3	57.0	71.3	50	380	33F-5
33F-72C50B	500	720	900	37.7	47.1	68.4	85.6	50	380	33F-6
33F-90C50B	500	840	1050	44.0	55.0	79.8	99.8	50	380	33F-7
33F-96C50B	500	960	1200	50.3	62.8	91.3	114.1	50	380	33F-8
33F-24C10C	750	240	300	18.8	23.6	34.2	42.8	6	380	33F-2
33F-36C10C	750	360	450	28.3	35.3	51.3	64.2	75	380	33F-3
33F-48C10C	750	480	600	37.7	47.1	68.4	85.6	75	380	33F-4
33F-60C10C	750	600	750	47.1	58.9	85.6	106.9	75	380	33F-5
33F-72C10C	750	720	900	56.5	70.7	102.7	128.3	75	380	33F-6
33F-90C10C	750	840	1050	66.0	82.5	119.8	149.7	75	380	33F-7
33F-96C10C	750	960	1200	75.4	94.2	136.9	171.1	75	380	33F-8
33F-24C30B	1000	240	300	25.1	31.4	45.6	57.0	100	380	33F-2
33F-36C30B	1000	360	450	37.7	47.1	68.4	85.6	100	380	33F-3
33F-48C30B	1000	480	600	50.3	62.8	91.3	114.1	100	380	33F-4
33F-60C30B	1000	600	750	62.8	78.5	114.1	142.6	100	380	33F-5
33F-72C30B	1000	720	900	75.4	94.2	136.9	171.1	100	380	33F-6
33F-90C30B	1000	840	1050	88.0	109.9	159.7	199.6	100	380	33F-7
33F-96C30B	1000	960	1200	100.5	125.7	182.5	228.1	100	380	33F-8

伺服电机参数表—Servo motor parameter table

型号	额定转速 r/min	额定转矩 S1(N·m)	额定转矩 S4(N·m)	额定功率 S1(Kw)	额定功率 S4(Kw)	额定电流 S1 (A)	额定电流 S4 (A)	定额定率 Hz	额定电压 V	规格
33F-24C15C	1500	240	300	37.7	47.1	68.4	85.6	150	380	33F-2
33F-36C15C	1500	360	450	56.5	70.7	102.7	128.3	150	380	33F-3
33F-48C15C	1500	480	600	75.4	94.2	136.9	171.1	150	380	33F-4
33F-60C15C	1500	600	750	94.2	117.8	171.1	213.9	150	380	33F-5
33F-72C15C	1500	720	900	113.1	141.4	205.3	256.7	150	380	33F-6
33F-90C15C	1500	840	1050	131.9	164.9	239.5	299.4	150	380	33F-7
33F-96C15C	1500	960	1200	150.8	188.5	273.8	342.2	150	380	33F-8
33F-24C18C	1800	240	300	45.2	56.5	82.1	102.7	180	380	33F-2
33F-36C18C	1800	360	450	67.9	84.8	123.2	154.0	180	380	33F-3
33F-48C18C	1800	480	600	90.5	113.1	164.3	205.3	180	380	33F-4
33F-60C18C	1800	600	750	113.1	141.4	205.3	256.7	180	380	33F-5
33F-72C18C	1800	720	900	135.7	169.6	246.4	308.0	180	380	33F-6
33F-90C18C	1800	840	1050	158.3	197.9	287.5	359.3	180	380	33F-7
33F-96C10C	1800	960	1200	180.9	226.2	328.5	410.6	180	380	33F-8
33F-24C20C	2000	240	300	50.3	62.8	91.3	114.1	200	380	33F-2
33F-36C20C	2000	360	450	75.4	94.2	136.9	171.1	200	380	33F-3
33F-48C20C	2000	480	600	100.5	125.7	182.5	228.1	200	380	33F-4
33F-60C20C	2000	600	750	125.7	157.1	228.1	285.2	200	380	33F-5
33F-72C20C	2000	720	900	150.8	188.5	273.8	342.2	200	380	33F-6
33F-90C20C	2000	840	1050	175.9	219.9	319.4	399.2	200	380	33F-7
33F-96C20C	2000	960	1200	201.0	251.3	365.0	456.3	200	380	33F-8

外形尺寸图

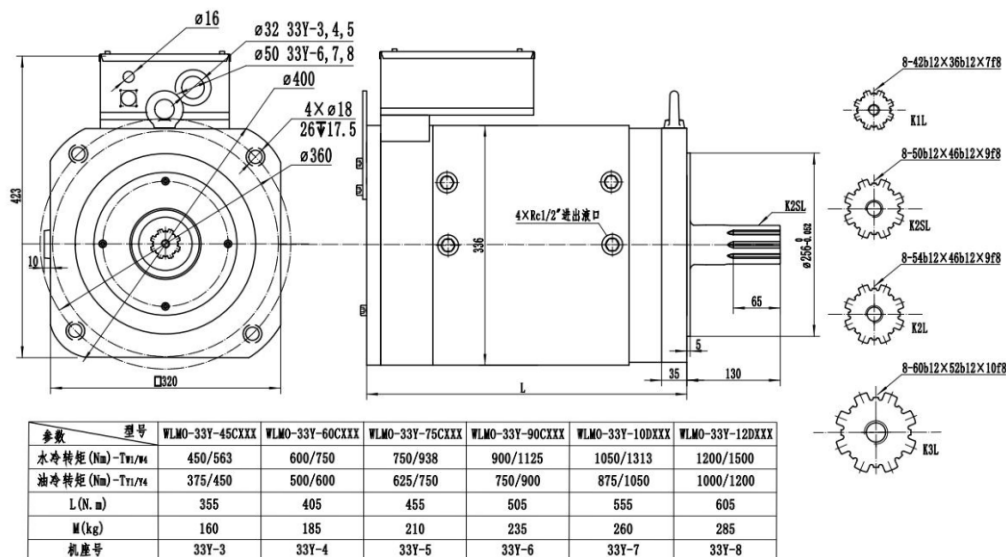


参数	型号	23F-24CXXX-XXXX	33F-36CXXX-XXXX	33F-48CXXX-XXXX	33F-60CXXX-XXXX	33F-72CXXX-XXXX	33F-84CXXX-XXXX	33F-96CXXX-XXXX
风冲转矩 (Nm) - Ts1/2s		240/300	360/450	480/600	600/750	720/900	840/1050	960/1200
L1 (mm)		470	520	570	620	670	720	770
L2 (mm)		350	450	450	550	550	650	650
M (kg)		118	148	178	208	238	268	298
规格		33F-2	33F-3	33F-4	33F-5	33F-6	33F-7	33F-8

伺服电机参数表—Servo motor parameter table

型号	额定转速 r/min	额定转矩 S1(N·m)	额定转矩 S4(N·m)	额定功率 S1(Kw)	额定功率 S4(Kw)	额定电流 S1 (A)	额定电流 S4 (A)	额定频率 (Hz)	额定电压 (V)	规格
33Y-30C30B	300	300	375	9.4	11.8	17.1	21.4	30	380	33Y-2
33Y-45C30B	300	450	563	14.1	17.7	25.7	32.1	30	380	33Y-3
33Y-60C30B	300	600	750	18.8	23.6	34.2	42.8	30	380	33Y-4
33Y-75C30B	300	750	938	23.6	29.5	42.8	53.5	30	380	33Y-5
33Y-90C30B	300	900	1125	28.3	35.3	51.3	64.2	30	380	33Y-6
33Y-10D30B	300	1050	1313	33.0	41.2	59.9	74.9	30	380	33Y-7
33Y-12D30B	300	1200	1500	37.7	47.1	68.4	85.6	30	380	33Y-8
33Y-30C40B	400	300	375	12.6	15.7	22.8	28.5	40	380	33Y-2
33Y-45C40B	400	450	563	18.8	23.6	34.2	42.8	40	380	33Y-3
33Y-60C40B	400	600	750	25.1	31.4	45.6	57.0	40	380	33Y-4
33Y-75C40B	400	750	938	31.4	39.3	57.0	71.3	40	380	33Y-5
33Y-90C40B	400	900	1125	37.7	47.1	68.4	85.6	40	380	33Y-6
33Y-10D40B	400	1050	1313	44.0	55.0	79.8	99.8	40	380	33Y-7
33Y-12D40B	400	1200	1500	50.3	62.8	91.3	114.1	40	380	33Y-8
33Y-30C50B	500	300	375	15.7	19.6	28.5	35.6	50	380	33Y-2
33Y-45C50B	500	450	563	23.6	29.5	42.8	53.5	50	380	33Y-3
33Y-60C50B	500	600	750	31.4	39.3	57.0	71.3	50	380	33Y-4
33Y-75C50B	500	750	938	39.3	49.1	71.3	89.1	50	380	33Y-5
33Y-90C50B	500	900	1125	47.1	58.9	85.6	106.9	50	380	33Y-6
33Y-10D50B	500	1050	1313	55.0	68.7	99.8	124.8	50	380	33Y-7
33Y-12D50B	500	1200	1500	62.8	78.5	114.1	142.6	50	380	33Y-8

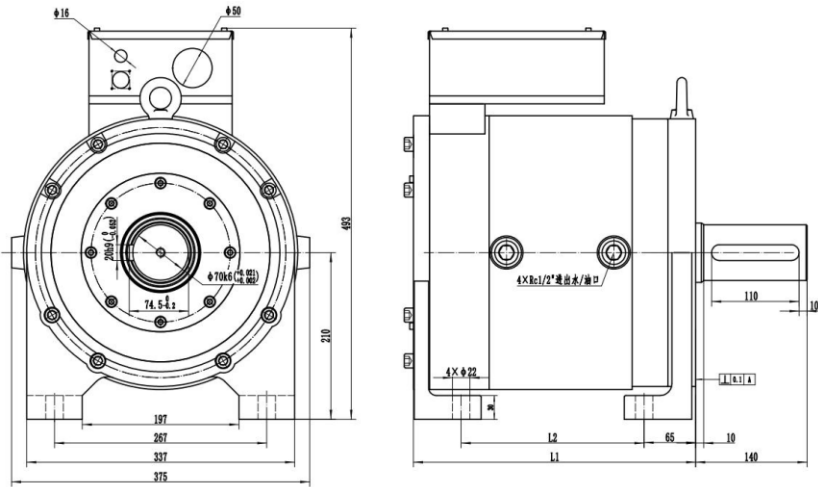
外形尺寸图



伺服电机参数表—Servo motor parameter table

型号	额定转数 r/min	额定转矩 S1(N·m)	额定转矩 S4(N·m)	额定功率 S1(Kw)	额定功率 S4(Kw)	额定电流 S1 (A)	额定电流 S4 (A)	定额定频率 Hz	额定电压 V	规格
33YH-30C10C	1000	300	360	31.4	37.7	57.0	68.4	100	380	33YH-2
33YH-45C10C	1000	450	540	47.1	56.5	85.6	102.7	100	380	33YH-3
33YH-60C10C	1000	600	720	62.8	75.4	114.1	136.9	100	380	33YH-4
33YH-75C10C	1000	750	900	78.5	94.2	142.6	171.1	100	380	33YH-5
33YH-90C10C	1000	900	1080	94.2	113.1	171.1	205.3	100	380	33YH-6
33YH-10D10C	1000	1050	1260	109.9	131.9	199.6	239.5	100	380	33YH-7
33YH-12D10C	1000	1200	1440	125.7	150.8	228.1	273.8	100	380	33YH-8
33YH-30C15C	1500	300	360	47.1	56.5	85.6	102.7	150	380	33YH-2
33YH-45C15C	1500	450	540	70.7	84.8	128.3	154.0	150	380	33YH-3
33YH-60C15C	1500	600	720	94.2	113.1	171.1	205.3	150	380	33YH-4
33YH-75C15C	1500	750	900	117.8	141.4	213.9	256.7	150	380	33YH-5
33YH-90C15C	1500	900	1080	141.4	169.6	256.7	308.0	150	380	33YH-6
33YH-10D15C	1500	1050	1260	164.9	197.9	299.4	359.3	150	380	33YH-7
33YH-12D15C	1500	1200	1440	188.5	226.2	342.2	410.6	150	380	33YH-8
33YH-30C20C	2000	300	360	62.8	75.4	114.1	136.9	200	380	33YH-2
33YH-45C20C	2000	450	540	94.2	113.1	171.1	205.3	200	380	33YH-3
33YH-60C20C	2000	600	720	125.7	150.8	228.1	273.8	200	380	33YH-4
33YH-75C20C	2000	750	900	157.1	188.5	285.2	342.2	200	380	33YH-5
33YH-90C20C	2000	900	1080	188.5	226.2	342.2	410.6	200	380	33YH-6
33YH-10D20C	2000	1050	1260	219.9	263.9	399.2	479.1	200	380	33YH-7
33YH-12D20C	2000	1200	1440	251.3	301.6	456.3	547.5	200	380	33YH-8

外形尺寸图



参数	型号	WLMO-33YH-45CXXX	WLMO-33YH-60CXXX	WLMO-33YH-75CXXX	WLMO-33YH-90CXXX	WLMO-33YH-10DXXX	WLMO-33YH-12DXXX
水冷转矩 (Nm) - T _{W1} /T _{W4}		450/540	600/720	750/900	900/1080	1050/1260	1200/1440
油冷转矩 (Nm) - T _{O1} /T _{O4}		360/432	480/576	600/720	720/864	840/1000	960/1152
L1 (mm)		355	405	455	455	555	605
L2 (mm)		230	280	330	380	430	480
机座号		33YH-3	33YH-4	33YH-5	33YH-6	33YH-7	33YH-8

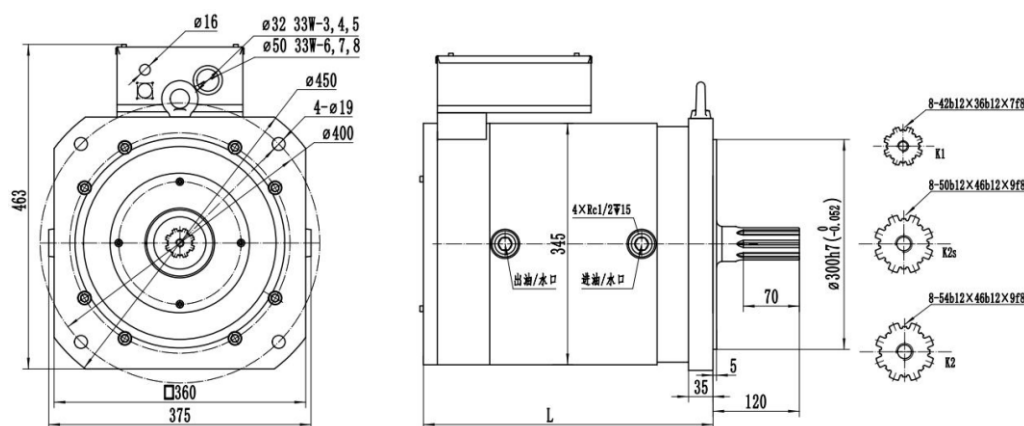
伺服电机参数表—Servo motor parameter table

型号	额定转数 r/min	额定转矩 S1(N·m)	额定转矩 S4(N·m)	额定功率 S1(Kw)	额定功率 S4(Kw)	额定电流 S1 (A)	额定电流 S4 (A)	额定频率 Hz	额定电压 V	规格
33W-30C30B	300	300	375	9.4	11.8	17.1	21.4	30	380	33W-2
33W-45C30B	300	450	563	14.1	17.7	25.7	32.1	30	380	33W-3
33W-60C30B	300	600	750	18.8	23.6	34.2	42.8	30	380	33W-4
33W-75C30B	300	750	938	23.6	29.5	42.8	53.5	30	380	33W-5
33W-90C30B	300	900	1125	28.3	35.3	51.3	64.2	30	380	33W-6
33W-10D30B	300	1050	1313	33.0	41.2	59.9	74.9	30	380	33W-7
33W-12D30B	300	1200	1500	37.7	47.1	68.4	85.6	30	380	33W-8
33W-30C40B	400	300	375	12.6	15.7	22.8	28.5	40	380	33W-2
33W-45C40B	400	450	563	18.8	23.6	34.2	42.8	40	380	33W-3
33W-60C40B	400	600	750	25.1	31.4	45.6	57.0	40	380	33W-4
33W-75C40B	400	750	938	31.4	39.3	57.0	71.3	40	380	33W-5
33W-90C40B	400	900	1125	37.7	47.1	68.4	85.6	40	380	33W-6
33W-10D40B	400	1050	1313	44.0	55.0	79.8	99.8	40	380	33W-7
33W-12D40B	400	1200	1500	50.3	62.8	91.3	114.1	40	380	33W-8
33W-30C50B	500	300	375	15.7	19.6	28.5	35.6	50	380	33W-2
33W-45C50B	500	450	563	23.6	29.5	42.8	53.5	50	380	33W-3
33W-60C50B	500	600	750	31.4	39.3	57.0	71.3	50	380	33W-4
33W-75C50B	500	750	938	39.3	49.1	71.3	89.1	50	380	33W-5
33W-90D50B	500	900	1125	47.1	58.9	85.6	106.9	50	380	33W-6
33W-10D50B	500	1050	1313	55.0	68.7	99.8	124.8	50	380	33W-7
33W-12D50B	500	1200	1500	62.8	78.5	114.1	142.6	50	380	33W-8
33W-30C75B	750	300	375	23.6	29.5	42.8	53.5	75	380	33W-2
33W-45C75B	750	450	563	35.3	44.2	64.2	80.2	75	380	33W-3
33W-60C75B	750	600	750	47.1	58.9	85.6	106.9	75	380	33W-4
33W-75C75B	750	750	938	58.9	73.6	106.9	133.7	75	380	33W-5
33W-90D75B	750	900	1125	70.7	88.4	128.3	160.4	75	380	33W-6
33W-10C75B	750	1050	1313	82.5	103.1	149.7	187.1	75	380	33W-7
33W-12C75B	750	1200	1500	94.2	117.8	171.1	213.9	75	380	33W-8
33W-30C10C	1000	300	360	31.4	37.7	57.0	68.4	100	380	33W-2
33W-45C10C	1000	450	540	47.1	56.5	85.6	102.7	100	380	33W-3
33W-60C10C	1000	600	720	62.8	75.4	114.1	136.9	100	380	33W-4
33W-75C10C	1000	750	900	78.5	94.2	142.6	171.1	100	380	33W-5
33W-90C10C	1000	900	1080	94.2	113.1	171.1	205.3	100	380	33W-6
33W-10D10C	1000	1050	1260	109.9	131.9	199.6	239.5	100	380	33W-7
33W-12D10C	1000	1200	1440	125.7	150.8	228.1	273.8	100	380	33W-8

伺服电机参数表—Servo motor parameter table

型号	额定转数 r/min	额定转矩 S1(N•m)	额定转矩 S4(N•m)	额定功率 S1(Kw)	额定功率 S4(Kw)	额定电流 S1 (A)	额定电流 S4 (A)	定额频率 Hz	额定电压 V	规格
33W-30C12C	1200	300	360	37.7	45.2	68.4	82.1	120	380	33W-2
33W-45C12C	1200	450	540	56.5	67.9	102.7	123.2	120	380	33W-3
33W-60C12C	1200	600	720	75.4	90.5	136.9	164.3	120	380	33W-4
33W-75C12C	1200	750	900	94.2	113.1	171.1	205.3	120	380	33W-5
33W-90C12C	1200	900	1080	113.1	135.7	205.3	246.4	120	380	33W-6
33W-10D12C	1200	1050	1260	131.9	158.3	239.5	287.5	120	380	33W-7
33W-12D12C	1200	1200	1440	150.8	180.9	273.8	328.5	120	380	33W-8
33W-30C15C	1500	300	360	47.1	56.5	85.6	102.7	150	380	33W-2
33W-45C15C	1500	450	540	70.7	84.8	128.3	154.0	150	380	33W-3
33W-60C15C	1500	600	720	94.2	113.1	171.1	205.3	150	380	33W-4
33W-75C15C	1500	750	900	117.8	141.4	213.9	256.7	150	380	33W-5
33W-90C15C	1500	900	1080	141.4	169.6	256.7	308.0	150	380	33W-6
33W-10D15C	1500	1050	1260	164.9	197.9	299.4	359.3	150	380	33W-7
33W-12D15C	1500	1200	1440	188.5	226.2	342.2	410.6	150	380	33W-8
33W-30C20C	2000	300	360	62.8	75.4	114.1	136.9	200	380	33W-2
33W-45C20C	2000	450	540	94.2	113.1	171.1	205.3	200	380	33W-3
33W-60C20C	2000	600	720	125.7	150.8	228.1	273.8	200	380	33W-4
33W-75C20C	2000	750	900	157.1	188.5	285.2	342.2	200	380	33W-5
33W-90C20C	2000	900	1080	188.5	226.2	342.2	410.6	200	380	33W-6
33W-10D20C	2000	1050	1260	219.9	263.9	399.2	479.1	200	380	33W-7
33W-12D20C	2000	1200	1440	251.3	301.6	456.3	547.5	200	380	33W-8

外形尺寸图



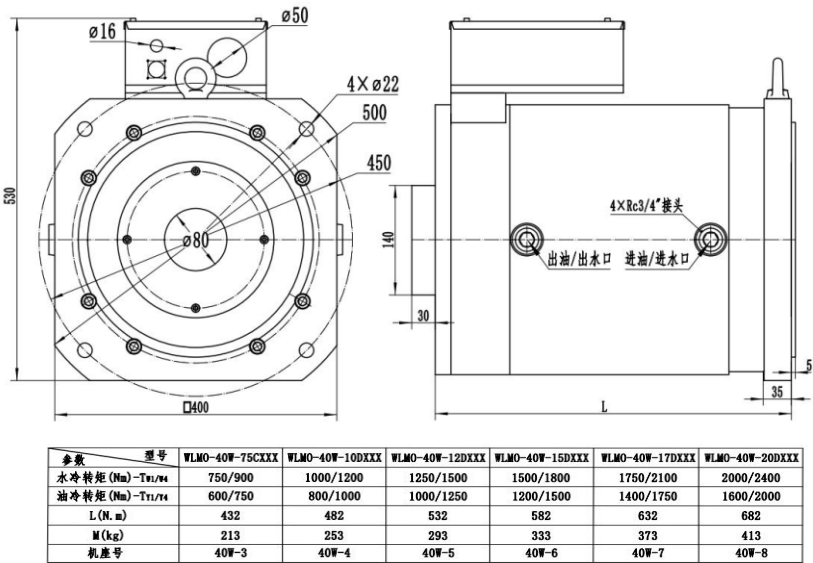
参数	型号	WLM0-33W-45CXXX	WLM0-33W-60CXXX	WLM0-33W-75CXXX	WLM0-33W-90CXXX	WLM0-33W-10DXXX	WLM0-33W-120DXXX
水冲转矩 (Nm)-T _W /T _N		450/563	600/750	750/938	900/1125	1050/1313	1200/1500
油冲转矩 (Nm)-T _{UL} /T _N		375/450	500/600	625/750	750/900	875/1050	1000/1200
L (mm)		355	405	455	505	555	605
M (kg)		141	171	201	231	261	291
规格号		33W-3	33W-4	33W-5	33W-6	33W-7	33W-8

伺服电机参数表—Servo motor parameter table

型号	额定转数 r/min	额定转矩 S1(N·m)	额定转矩 S4(N·m)	额定功率 S1(Kw)	额定功率 S4(Kw)	额定电流 S1 (A)	额定电流 S4 (A)	定 额 频 率 Hz	额定电压 V	规格
40W-40C50B	500	500	600	26.2	32.7	47.5	59.4	50	380	40W-2
40W-60C50B	500	750	900	39.3	49.1	71.3	89.1	50	380	40W-3
40W-80C50B	500	1000	1200	52.4	65.4	95.1	118.8	50	380	40W-4
40W-10D50B	500	1250	1500	65.4	81.8	118.8	148.5	50	380	40W-5
40W-12D50B	500	1500	1800	78.5	98.2	142.6	178.2	50	380	40W-6
40W-14D50B	500	1750	2100	91.6	114.5	166.3	207.9	50	380	40W-7
40W-16D50B	500	2000	2400	104.7	130.9	190.1	237.6	50	380	40W-8
40W-40C75B	750	500	600	39.3	49.1	71.3	89.1	75	380	40W-2
40W-60C75B	750	750	900	58.9	73.6	106.9	133.7	75	380	40W-3
40W-80C75B	750	1000	1200	78.5	98.2	142.6	178.2	75	380	40W-4
40W-10D75B	750	1250	1500	98.2	122.7	178.2	222.8	75	380	40W-5
40W-12D75B	750	1500	1800	117.8	147.3	213.9	267.3	75	380	40W-6
40W-14D75B	750	1750	2100	137.4	171.8	249.5	311.9	75	380	40W-7
40W-16D75B	750	2000	2400	157.1	196.3	285.2	356.5	75	380	40W-8
40W-40C10C	1000	500	600	52.4	62.8	95.1	114.1	100	380	40W-2
40W-60C10C	1000	750	900	78.5	94.2	142.6	171.1	100	380	40W-3
40W-80C10C	1000	1000	1200	104.7	125.7	190.1	228.1	100	380	40W-4
40W-10D10C	1000	1250	1500	130.9	157.1	237.6	285.2	100	380	40W-5
40W-12D10C	1000	1500	1800	157.1	188.5	285.2	342.2	100	380	40W-6
40W-14D10C	1000	1750	2100	183.2	219.9	332.7	399.2	100	380	40W-7
40W-16D10C	1000	2000	2400	209.4	251.3	380.2	456.3	100	380	40W-8

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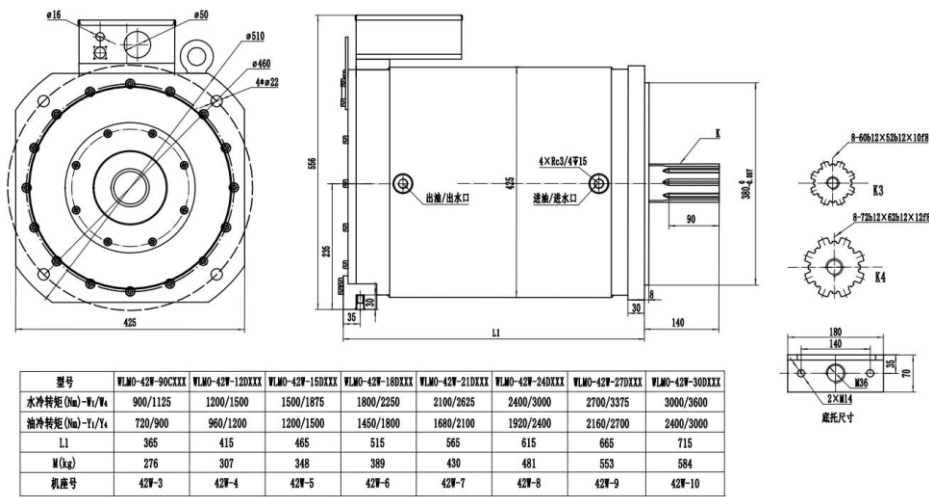
外形尺寸图



伺服电机参数表—Servo motor parameter table

型号	额定转数 r/min	额定转矩 S1(N·m)	额定转矩 S4(N·m)	额定功率 S1(Kw)	额定功率 S4(Kw)	额定电流 S1 (A)	额定电流 S4 (A)	定额定频率 Hz	额定电压 V	规格
42W-12D20B	200	1200	1500	25.1	30.2	45.6	54.8	27	380	42W-4
42W-15D20B	200	1500	1875	31.4	37.7	57.0	68.4	27	380	42W-5
42W-18D20B	200	1800	2250	37.7	45.2	68.4	82.1	27	380	42W-6
42W-21D20B	200	2100	2625	44.0	52.8	79.8	95.8	27	380	42W-7
42W-24D20B	200	2400	3000	50.3	60.3	91.3	109.5	27	380	42W-8
42W-27D20B	200	2700	3375	56.5	67.9	102.7	123.2	27	380	42W-9
42W-12D25B	250	1200	1500	31.4	37.7	57.0	68.4	33	380	42W-4
42W-15D25B	250	1500	1875	39.3	47.1	71.3	85.6	33	380	42W-5
42W-18D25B	250	1800	2250	47.1	56.5	85.6	102.7	33	380	42W-6
42W-21D25B	250	2100	2625	55.0	66.0	99.8	119.8	33	380	42W-7
42W-24D25B	250	2400	3000	62.8	75.4	114.1	136.9	33	380	42W-8
42W-27D25B	250	2700	3375	70.7	84.8	128.3	154.0	33	380	42W-9
42W-12D30B	300	1200	1500	37.7	45.2	68.4	82.1	40	380	42W-4
42W-15D30B	300	1500	1875	47.1	56.5	85.6	102.7	40	380	42W-5
42W-18D30B	300	1800	2250	56.5	67.9	102.7	123.2	40	380	42W-6
42W-21D30B	300	2100	2625	66.0	79.2	119.8	143.7	40	380	42W-7
42W-24D30B	300	2400	3000	75.4	90.5	136.9	164.3	40	380	42W-8
42W-27D30B	300	2700	3375	84.8	101.8	154.0	184.8	40	380	42W-9
42W-12D35B	350	1200	1500	44.0	52.8	79.8	95.8	47	380	42W-4
42W-15D35B	350	1500	1875	55.0	66.0	99.8	119.8	47	380	42W-5
42W-18D35B	350	1800	2250	66.0	79.2	119.8	143.7	47	380	42W-6
42W-21D35B	350	2100	2625	77.0	92.4	139.7	167.7	47	380	42W-7
42W-24D35B	350	2400	3000	88.0	105.5	159.7	191.6	47	380	42W-8
42W-27D35B	350	2700	3375	99.0	118.7	179.7	215.6	47	380	42W-9

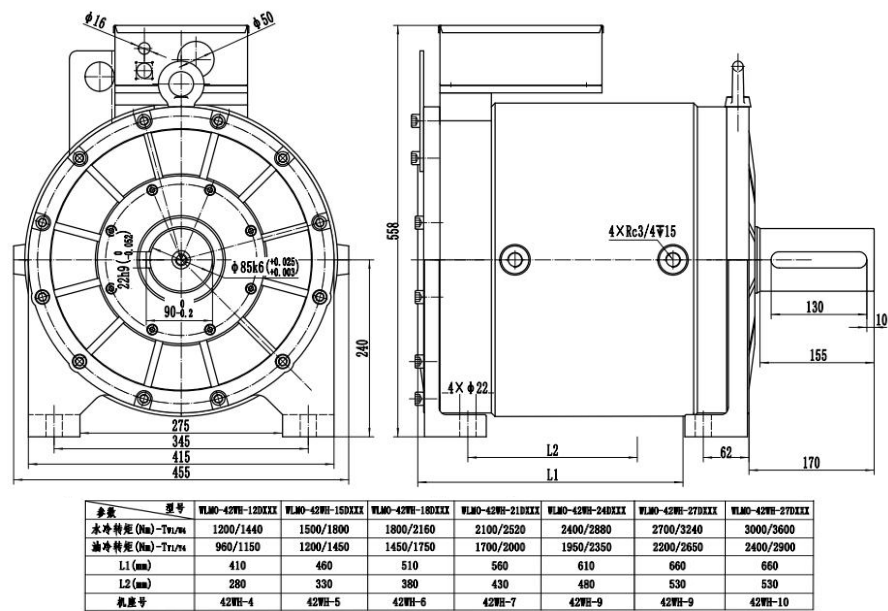
外形尺寸图



伺服电机参数表—Servo motor parameter table

型号	额定转数 r/min	额定转矩 S1(N·m)	额定转矩 S4(N·m)	额定功率 S1(Kw)	额定功率 S4(Kw)	额定电流 S1 (A)	额定电流 S4 (A)	定额定率 Hz	额定电压 V	规格
42WH-12D75B	750	1200	1440	1440	113.1	171.1	205.3	100	380	42WH-4
42WH-15D75B	750	1500	1800	1800	141.4	213.9	256.7	100	380	42WH-5
42WH-18D75B	750	1800	2160	2160	169.6	256.7	308.0	100	380	42WH-6
42WH-21D75B	750	2100	2520	2520	197.9	299.4	359.3	100	380	42WH-7
42WH-24D75B	750	2400	2880	2880	226.2	342.2	410.6	100	380	42WH-8
42WH-27D75B	750	2700	3240	3240	254.5	385.0	462.0	100	380	42WH-9
42WH-30D75B	750	3000	3600	3600	282.7	427.8	513.3	100	380	42WH-10
42WH-12D10C	1000	1200	1440	1440	150.8	228.1	273.8	133	380	42WH-4
42WH-15D10C	1000	1500	1800	1800	188.5	285.2	342.2	133	380	42WH-5
42WH-18D10C	1000	1800	2160	2160	226.2	342.2	410.6	133	380	42WH-6
42WH-21D10C	1000	2100	2520	2520	263.9	399.2	479.1	133	380	42WH-7
42WH-24D10C	1000	2400	2880	2880	301.6	456.3	547.5	133	380	42WH-8
42WH-27D10C	1000	2700	3240	3240	339.3	513.3	616.0	133	380	42WH-9
42WH-30D10C	1000	3000	3600	3600	377.0	570.3	684.4	133	380	42WH-10
42WH-12D15C	1500	1200	1440	1440	226.2	342.2	410.6	200	380	42WH-4
42WH-15D15C	1500	1500	1800	1800	282.7	427.8	513.3	200	380	42WH-5
42WH-18D15C	1500	1800	2160	2160	339.3	513.3	616.0	200	380	42WH-6
42WH-21D15C	1500	2100	2520	2520	395.8	598.9	718.6	200	380	42WH-7
42WH-24D15C	1500	2400	2880	2880	452.4	684.4	821.3	200	380	42WH-8
42WH-27D15C	1500	2700	3240	3240	508.9	770.0	924.0	200	380	42WH-9
42WH-30D15C	1500	3000	3600	3600	565.4	855.5	1026.6	200	380	42WH-10

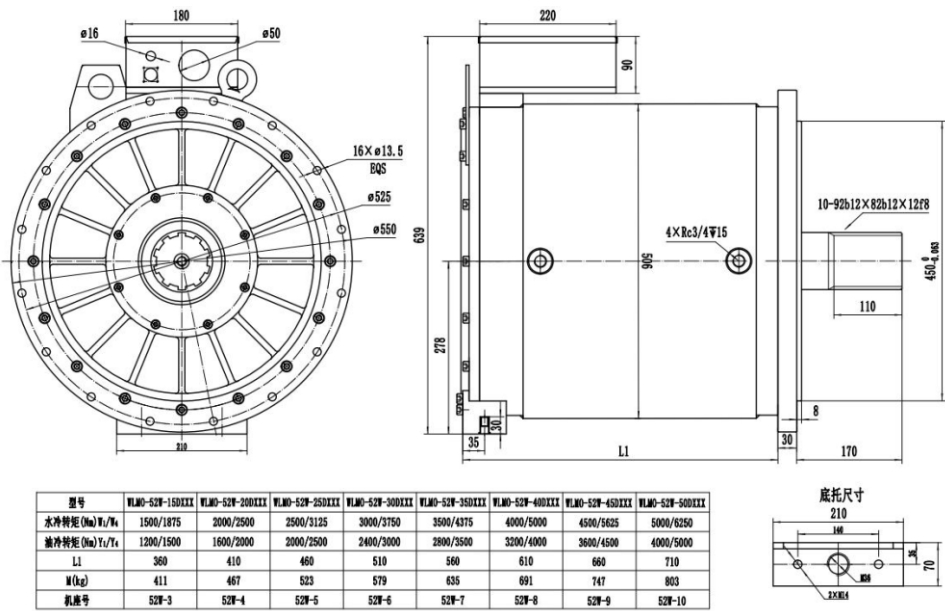
外形尺寸图



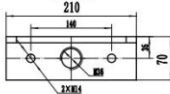
伺服电机参数表—Servo motor parameter table

型号	额定转数 r/min	额定转矩 S1(N·m)	额定转矩 S4(N·m)	额定功率 S1(Kw)	额定功率 S4(Kw)	额定电流 S1 (A)	额定电流 S4 (A)	定额定率 Hz	额定电压 V	规格
52W-20D15B	150	2000	2500	31.4	37.7	57.0	68.4	40	380	52W-4
52W-25D15B	150	2500	3125	39.3	47.1	71.3	85.6	40	380	52W-5
52W-30D15B	150	3000	3750	47.1	56.5	85.6	102.7	40	380	52W-6
52W-35D15B	150	3500	4375	55.0	66.0	99.8	119.8	40	380	52W-7
52W-40D15B	150	4000	5000	62.8	75.4	114.1	136.9	40	380	52W-8
52W-45D15B	150	4500	5625	70.7	84.8	128.3	154.0	40	380	52W-9
52W-50D15B	150	5000	6250	78.5	94.2	142.6	171.1	40	380	52W-10
52W-20D20B	200	2000	2500	41.9	50.3	76.0	91.3	53	380	52W-4
52W-25D20B	200	2500	3125	52.4	62.8	95.1	114.1	53	380	52W-5
52W-30D20B	200	3000	3750	62.8	75.4	114.1	136.9	53	380	52W-6
52W-35D20B	200	3500	4375	73.3	88.0	133.1	159.7	53	380	52W-7
52W-40D20B	200	4000	5000	83.8	100.5	152.1	182.5	53	380	52W-8
52W-45D20B	200	4500	5625	94.2	113.1	171.1	205.3	53	380	52W-9
52W-50D20B	200	5000	6250	104.7	125.7	190.1	228.1	53	380	52W-10
52W-20D25B	250	2000	2500	52.4	62.8	95.1	114.1	67	380	52W-4
52W-25D25B	250	2500	3125	65.4	78.5	118.8	142.6	67	380	52W-5
52W-30D25B	250	3000	3750	78.5	94.2	142.6	171.1	67	380	52W-6
52W-35D25B	250	3500	4375	91.6	109.9	166.3	199.6	67	380	52W-7
52W-40D25B	250	4000	5000	104.7	125.7	190.1	228.1	67	380	52W-8
52W-45D25B	250	4500	5625	117.8	141.4	213.9	256.7	67	380	52W-9
52W-50D25B	250	5000	6250	130.9	157.1	237.6	285.2	67	380	52W-10

外形尺寸图



底托尺寸



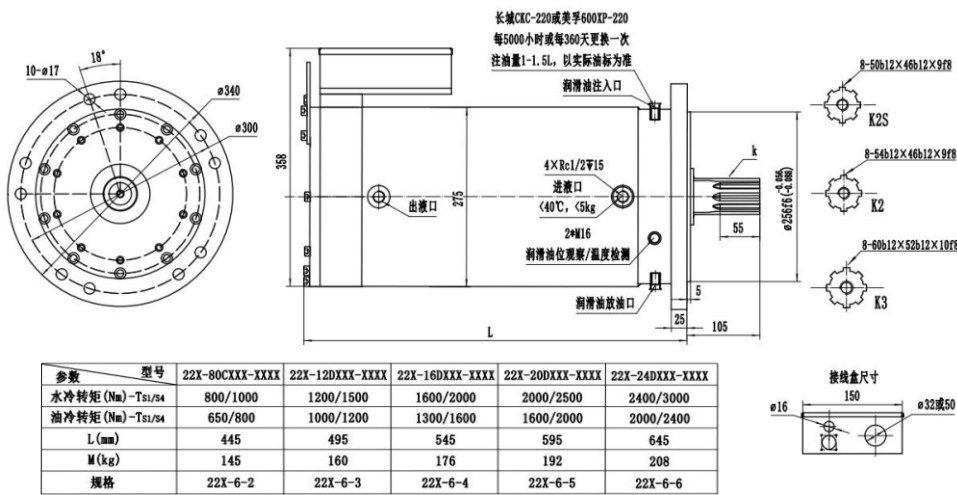
伺服电机参数表—Servo motor parameter table

型号	额定转数 r/min	额定转矩 S1(N·m)	额定转矩 S4(N·m)	额定功率 S1(Kw)	额定功率 S4(Kw)	额定电流 S1 (A)	额定电流 S4 (A)	额定频率 Hz	额定电压 V	规格
65W-48D60A	60	4800	6000	30.2	36.2	54.8	65.7	24	380	65W-6
65W-56D60A	60	5600	7000	35.2	42.2	63.9	76.7	24	380	65W-7
65W-64D60A	60	6400	8000	40.2	48.3	73.0	87.6	24	380	65W-8
65W-72D60A	60	7200	9000	45.2	54.3	82.1	98.6	24	380	65W-9
65W-80D60A	60	8000	10000	50.3	60.3	91.3	109.5	24	380	65W-10
65W-88D60A	60	8800	11000	55.3	66.3	100.4	120.5	24	380	65W-11
65W-96D60A	60	9600	12000	60.3	72.4	109.5	131.4	24	380	65W-12
65W-48D75A	75	4800	6000	37.7	45.2	68.4	82.1	30	380	65W-6
65W-56D75A	75	5600	7000	44.0	52.8	79.8	95.8	30	380	65W-7
65W-64D75A	75	6400	8000	50.3	60.3	91.3	109.5	30	380	65W-8
65W-72D75A	75	7200	9000	56.5	67.9	102.7	123.2	30	380	65W-9
65W-80D75A	75	8000	10000	62.8	75.4	114.1	136.9	30	380	65W-10
65W-88D75A	75	8800	11000	69.1	82.9	125.5	150.6	30	380	65W-11
65W-96D75A	75	9600	12000	75.4	90.5	136.9	164.3	30	380	65W-12
65W-48D10B	100	4800	6000	50.3	60.3	91.3	109.5	40	380	65W-6
65W-56D10B	100	5600	7000	58.6	70.4	106.5	127.8	40	380	65W-7
65W-64D10B	100	6400	8000	67.0	80.4	121.7	146.0	40	380	65W-8
65W-72D10B	100	7200	9000	75.4	90.5	136.9	164.3	40	380	65W-9
65W-80D10B	100	8000	10000	83.8	100.5	152.1	182.5	40	380	65W-10
65W-88D10B	100	8800	11000	92.1	110.6	167.3	200.8	40	380	65W-11
65W-96D10B	100	9600	12000	100.5	120.6	182.5	219.0	40	380	65W-12
65W-48D12B	120	4800	6000	60.3	72.4	109.5	131.4	48	380	65W-6
65W-56D12B	120	5600	7000	70.4	84.4	127.8	153.3	48	380	65W-7
65W-64D12B	120	6400	8000	80.4	96.5	146.0	175.2	48	380	65W-8
65W-72D12B	120	7200	9000	90.5	108.6	164.3	197.1	48	380	65W-9
65W-80D12B	120	8000	10000	100.5	120.6	182.5	219.0	48	380	65W-10
65W-88D12B	120	8800	11000	110.6	132.7	200.8	240.9	48	380	65W-11
65W-96D12B	120	9600	12000	120.6	144.8	219.0	262.8	48	380	65W-12
65W-48D15B	150	4800	6000	75.4	90.5	136.9	164.3	60	380	65W-6
65W-56D15B	150	5600	7000	88.0	105.5	159.7	191.6	60	380	65W-7
65W-64D15B	150	6400	8000	100.5	120.6	182.5	219.0	60	380	65W-8
65W-72D15B	150	7200	9000	113.1	135.7	205.3	246.4	60	380	65W-9
65W-80D15B	150	8000	10000	125.7	150.8	228.1	273.8	60	380	65W-10
65W-88D15B	150	8800	11000	138.2	165.9	251.0	301.1	60	380	65W-11
65W-96D15B	150	9600	12000	150.8	180.9	273.8	328.5	60	380	65W-12
65W-48D20B	200	4800	6000	100.5	120.6	182.5	219.0	80	380	65W-6
65W-56D20B	200	5600	7000	117.3	140.7	212.9	255.5	80	380	65W-7
65W-64D20B	200	6400	8000	134.0	160.8	243.3	292.0	80	380	65W-8
65W-72D20B	200	7200	9000	150.8	180.9	273.8	328.5	80	380	65W-9
65W-80D20B	200	8000	10000	167.5	201.0	304.2	365.0	80	380	65W-10

伺服电机参数表—Servo motor parameter table

型号	额定转数 r/min	额定转矩 S1(N·m)	额定转矩 S4(N·m)	额定功率 S1(Kw)	额定功率 S4(Kw)	额定电流 S1 (A)	额定电流 S4 (A)	定额定率 Hz	额定电压 V	规格
22X-80C60A	60	800	1000	5.0	6.0	9.1	11.0	24	380	22X-6-2
22X-12D60A	60	1200	1500	7.5	9.0	13.7	16.4	24	380	22X-6-3
22X-16D60A	60	1600	2000	10.1	12.1	18.3	21.9	24	380	22X-6-4
22X-20D60A	60	2000	2500	12.6	15.1	22.8	27.4	24	380	22X-6-5
22X-80C10B	100	800	1000	8.4	10.1	15.2	18.3	40	380	22X-6-2
22X-12D10B	100	1200	1500	12.6	15.1	22.8	27.4	40	380	22X-6-3
22X-16D10B	100	1600	2000	16.8	20.1	30.4	36.5	40	380	22X-6-4
22X-20D10B	100	2000	2500	20.9	25.1	38.0	45.6	40	380	22X-6-5
22X-80C15B	150	800	1000	12.6	15.1	22.8	27.4	60	380	22X-6-2
22X-12D15B	150	1200	1500	18.8	22.6	34.2	41.1	60	380	22X-6-3
22X-16D15B	150	1600	2000	25.1	30.2	45.6	54.8	60	380	22X-6-4
22X-20D15B	150	2000	2500	31.4	37.7	57.0	68.4	60	380	22X-6-5
22X-80C20B	200	800	1000	16.8	20.1	30.4	36.5	80	380	22X-6-2
22X-12D20B	200	1200	1500	25.1	30.2	45.6	54.8	80	380	22X-6-3
22X-16D20B	200	1600	2000	33.5	40.2	60.8	73.0	80	380	22X-6-4
22X-20D20B	200	2000	2500	41.9	50.3	76.0	91.3	80	380	22X-6-5
22X-80C25B	250	800	1000	20.9	25.1	38.0	45.6	100	380	22X-6-2
22X-12D25B	250	1200	1500	31.4	37.7	57.0	68.4	100	380	22X-6-3
22X-16D25B	250	1600	2000	41.9	50.3	76.0	91.3	100	380	22X-6-4
22X-20D25B	250	2000	2500	52.4	62.8	95.1	114.1	100	380	22X-6-5
22X-80C30B	300	800	1000	25.1	30.2	45.6	54.8	120	380	22X-6-2
22X-12D30B	300	1200	1500	37.7	45.2	68.4	82.1	120	380	22X-6-3
22X-16D30B	300	1600	2000	50.3	60.3	91.3	109.5	120	380	22X-6-4
22X-20D30B	300	2000	2500	62.8	75.4	114.1	136.9	120	380	22X-6-5

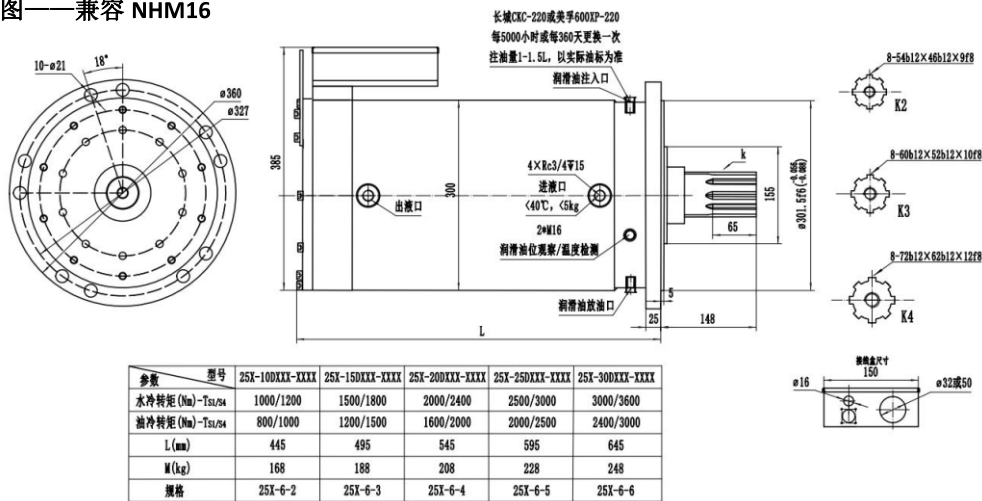
外形尺寸图



伺服电机参数表—Servo motor parameter table

型号	额定转速 r/min	额定转矩 S1(N·m)	额定转矩 S4(N·m)	额定功率 S1(Kw)	额定功率 S4(Kw)	额定电流 S1 (A)	额定电流 S4 (A)	定额频率 Hz	额定电压 V	规格
25X-10D60A	60	1000	1200	6.3	7.5	11.4	13.7	24	380	25X-6-2
25X-15D60A	60	1500	1800	9.4	11.3	17.1	20.5	24	380	25X-6-3
25X-20D60A	60	2000	2400	12.6	15.1	22.8	27.4	24	380	25X-6-4
25X-25D60A	60	2500	3000	15.7	18.8	28.5	34.2	24	380	25X-6-5
25X-30D60A	60	3000	3600	18.8	22.6	34.2	41.1	24	380	25X-6-6
25X-10D10B	100	1000	1200	10.5	12.6	19.0	22.8	40	380	25X-6-2
25X-15D10B	100	1500	1800	15.7	18.8	28.5	34.2	40	380	25X-6-3
25X-20D10B	100	2000	2400	20.9	25.1	38.0	45.6	40	380	25X-6-4
25X-25D10B	100	2500	3000	26.2	31.4	47.5	57.0	40	380	25X-6-5
25X-30D10B	100	3000	3600	31.4	37.7	57.0	68.4	40	380	25X-6-6
25X-10D15B	150	1000	1200	15.7	18.8	28.5	34.2	60	380	25X-6-2
25X-15D15B	150	1500	1800	23.6	28.3	42.8	51.3	60	380	25X-6-3
25X-20D15B	150	2000	2400	31.4	37.7	57.0	68.4	60	380	25X-6-4
25X-25D15B	150	2500	3000	39.3	47.1	71.3	85.6	60	380	25X-6-5
25X-30D15B	150	3000	3600	47.1	56.5	85.6	102.7	60	380	25X-6-6
25X-10D20B	200	1000	1200	20.9	25.1	38.0	45.6	80	380	25X-6-2
25X-15D20B	200	1500	1800	31.4	37.7	57.0	68.4	80	380	25X-6-3
25X-20D20B	200	2000	2400	41.9	50.3	76.0	91.3	80	380	25X-6-4
25X-25D20B	200	2500	3000	52.4	62.8	95.1	114.1	80	380	25X-6-5
25X-30D20B	200	3000	3600	62.8	75.4	114.1	136.9	80	380	25X-6-6
25X-10D25B	250	1000	1200	26.2	31.4	47.5	57.0	100	380	25X-6-2
25X-15D25B	250	1500	1800	39.3	47.1	71.3	85.6	100	380	25X-6-3
25X-20D25B	250	2000	2400	52.4	62.8	95.1	114.1	100	380	25X-6-4
25X-25D25B	250	2500	3000	65.4	78.5	118.8	142.6	100	380	25X-6-5
25X-30D25B	250	3000	3600	78.5	94.2	142.6	171.1	100	380	25X-6-6

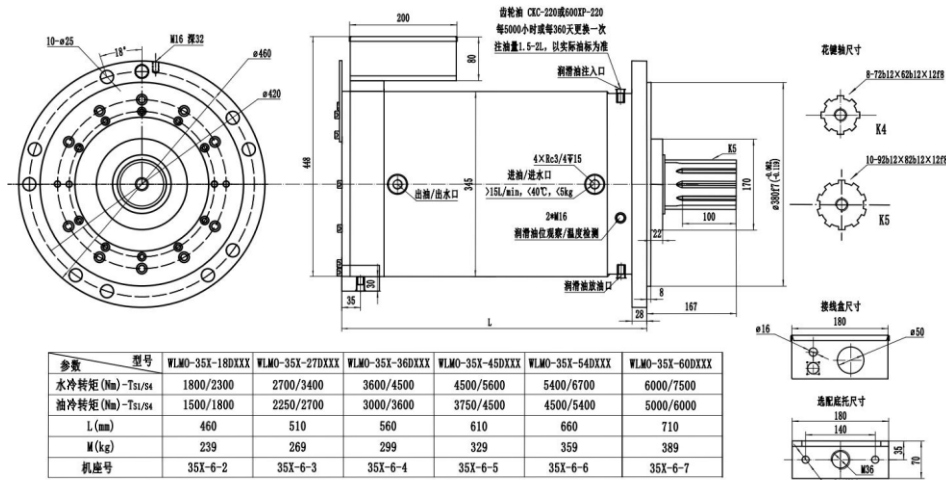
外形尺寸图——兼容 NHM16



伺服电机参数表—Servo motor parameter table

型号	额定转速 r/min	额定转矩 S1(N·m)	额定转矩 S4(N·m)	额定功率 S1(Kw)	额定功率 S4(Kw)	额定电流 S1 (A)	额定电流 S4 (A)	额定频率 Hz	额定电压 V	规格
35X-18D10B	60	1800	2300	11.3	13.6	20.5	24.6	36	380	35X-6-2
35X-27D10B	60	2700	3400	17.0	20.4	30.8	37.0	36	380	35X-6-3
35X-36D10B	60	3600	4500	22.6	27.1	41.1	49.3	36	380	35X-6-4
35X-45D10B	60	4500	5600	28.3	33.9	51.3	61.6	36	380	35X-6-5
35X-54D10B	60	5400	6700	33.9	40.7	61.6	73.9	36	380	35X-6-6
35X-18D10B	100	1800	2300	18.8	22.6	34.2	41.1	60	380	35X-6-2
35X-27D10B	100	2700	3400	28.3	33.9	51.3	61.6	60	380	35X-6-3
35X-36D10B	100	3600	4500	37.7	45.2	68.4	82.1	60	380	35X-6-4
35X-45D10B	100	4500	5600	47.1	56.5	85.6	102.7	60	380	35X-6-5
35X-54D10B	100	5400	6700	56.5	67.9	102.7	123.2	60	380	35X-6-6
35X-18D15B	150	1800	2300	28.3	33.9	51.3	61.6	90	380	35X-6-2
35X-27D15B	150	2700	3400	42.4	50.9	77.0	92.4	90	380	35X-6-3
35X-36D15B	150	3600	4500	56.5	67.9	102.7	123.2	90	380	35X-6-4
35X-45D15B	150	4500	5600	70.7	84.8	128.3	154.0	90	380	35X-6-5
35X-54D15B	150	5400	6700	84.8	101.8	154.0	184.8	90	380	35X-6-6
35X-18D20B	200	1800	2300	37.7	45.2	68.4	82.1	120	380	35X-6-2
35X-27D20B	200	2700	3400	56.5	67.9	102.7	123.2	120	380	35X-6-3
35X-36D20B	200	3600	4500	75.4	90.5	136.9	164.3	120	380	35X-6-4
35X-45D20B	200	4500	5600	94.2	113.1	171.1	205.3	120	380	35X-6-5
35X-54D20B	200	5400	6700	113.1	135.7	205.3	246.4	120	380	35X-6-6
35X-18D25B	250	1800	2300	47.1	56.5	85.6	102.7	150	380	35X-6-2
35X-27D25B	250	2700	3400	70.7	84.8	128.3	154.0	150	380	35X-6-3
35X-36D25B	250	3600	4500	94.2	113.1	171.1	205.3	150	380	35X-6-4
35X-45D25B	250	4500	5600	117.8	141.4	213.9	256.7	150	380	35X-6-5
35X-54D25B	250	5400	6700	141.4	169.6	256.7	308.0	150	380	35X-6-6

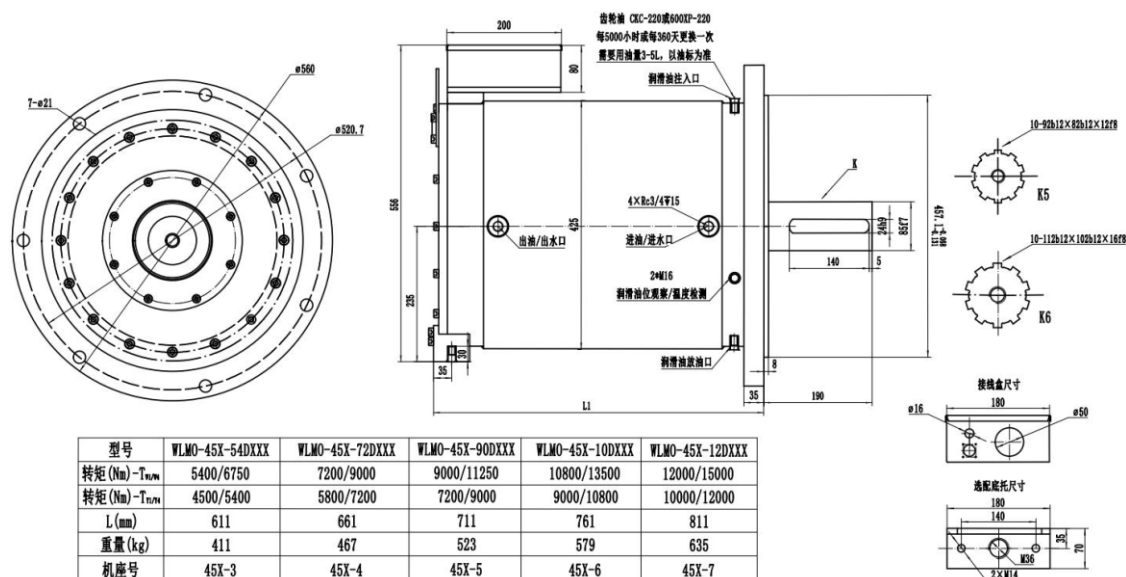
外形尺寸图——兼容 NHM31



伺服电机参数表—Servo motor parameter table

型号	额定转速 r/min	额定转矩 S1(N·m)	额定转矩 S4(N·m)	额定功率 S1(Kw)	额定功率 S4(Kw)	额定电流 S1 (A)	额定电流 S4 (A)	额定频率 Hz	额定电压 V	规格
45X-54D60A	60	5400	6750	33.9	40.7	61.6	73.9	48	380	45X-6-3
45X-72D60A	60	7200	9000	45.2	54.3	82.1	98.6	48	380	45X-6-4
45X-90D60A	60	9000	11250	56.5	67.9	102.7	123.2	48	380	45X-6-5
45X-10E60A	60	10800	13500	67.9	81.4	123.2	147.8	48	380	45X-6-6
45X-12E60A	60	12000	15000	75.4	90.5	136.9	164.3	48	380	45X-6-7
45X-54D10B	100	5400	6750	56.5	67.9	102.7	123.2	80	380	45X-6-3
45X-72D10B	100	7200	9000	75.4	90.5	136.9	164.3	80	380	45X-6-4
45X-90D10B	100	9000	11250	94.2	113.1	171.1	205.3	80	380	45X-6-5
45X-10E10B	100	10800	13500	113.1	135.7	205.3	246.4	80	380	45X-6-6
45X-12E10B	100	12000	15000	125.7	150.8	228.1	273.8	80	380	45X-6-7
45X-54D12B	120	5400	6750	67.9	81.4	123.2	147.8	96	380	45X-6-3
45X-72D12B	120	7200	9000	90.5	108.6	164.3	197.1	96	380	45X-6-4
45X-90D12B	120	9000	11250	113.1	135.7	205.3	246.4	96	380	45X-6-5
45X-10E12B	120	10800	13500	135.7	162.8	246.4	295.7	96	380	45X-6-6
45X-12E12B	120	12000	15000	150.8	180.9	273.8	328.5	96	380	45X-6-7
45X-54D15B	150	5400	6750	84.8	101.8	154.0	184.8	120	380	45X-6-3
45X-72D15B	150	7200	9000	113.1	135.7	205.3	246.4	120	380	45X-6-4
45X-90D15B	150	9000	11250	141.4	169.6	256.7	308.0	120	380	45X-6-5
45X-10E15B	150	10800	13500	169.6	203.6	308.0	369.6	120	380	45X-6-6
45X-12E15B	150	12000	15000	188.5	226.2	342.2	410.6	120	380	45X-6-7

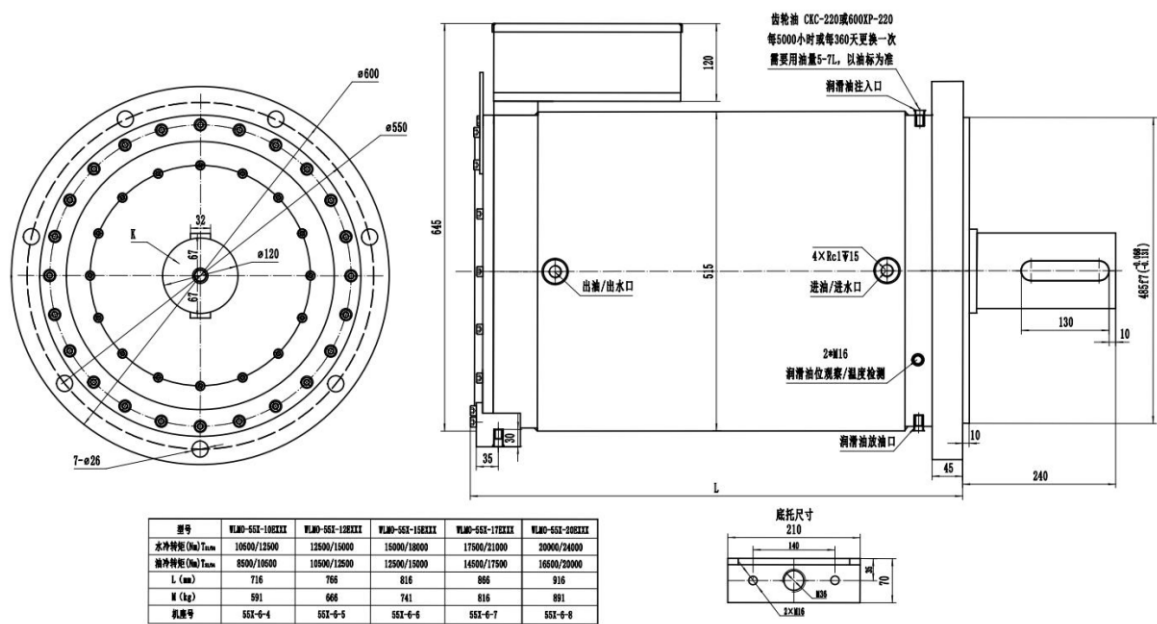
外形尺寸图——兼容 NHM70



伺服电机参数表—Servo motor parameter table

型号	额定转速 r/min	额定转矩 S1(N·m)	额定转矩 S4(N·m)	额定功率 S1(Kw)	额定功率 S4(Kw)	额定电流 S1 (A)	额定电流 S4 (A)	定频率 Hz	额定电压 V	规格
55X-10E60A	60	10500	12600	66.0	79.2	119.8	143.7	48	380	55X-6-4
55X-12E60A	60	12500	15000	78.5	94.2	142.6	171.1	48	380	55X-6-5
55X-15E60A	60	15000	18000	94.2	113.1	171.1	205.3	48	380	55X-6-6
55X-17E60A	60	17500	21000	109.9	131.9	199.6	239.5	48	380	55X-6-7
55X-20E60A	60	20000	24000	125.7	150.8	228.1	273.8	48	380	55X-6-8
55X-10E75A	75	10500	12600	82.5	99.0	149.7	179.7	60	380	55X-6-4
55X-12E75A	75	12500	15000	98.2	117.8	178.2	213.9	60	380	55X-6-5
55X-15E75A	75	15000	18000	117.8	141.4	213.9	256.7	60	380	55X-6-6
55X-17E75A	75	17500	21000	137.4	164.9	249.5	299.4	60	380	55X-6-7
55X-20E75A	75	20000	24000	157.1	188.5	285.2	342.2	60	380	55X-6-8
55X-10E10B	100	10500	12600	109.9	131.9	199.6	239.5	80	380	55X-6-4
55X-12E10B	100	12500	15000	130.9	157.1	237.6	285.2	80	380	55X-6-5
55X-15E10B	100	15000	18000	157.1	188.5	285.2	342.2	80	380	55X-6-6
55X-17E10B	100	17500	21000	183.2	219.9	332.7	399.2	80	380	55X-6-7
55X-20E10B	100	20000	24000	209.4	251.3	380.2	456.3	80	380	55X-6-8
55X-10E12B	120	10500	12600	131.9	158.3	239.5	287.5	96	380	55X-6-4
55X-12E12B	120	12500	15000	157.1	188.5	285.2	342.2	96	380	55X-6-5
55X-15E12B	120	15000	18000	188.5	226.2	342.2	410.6	96	380	55X-6-6
55X-17E12B	120	17500	21000	219.9	263.9	399.2	479.1	96	380	55X-6-7
55X-20E12B	120	20000	24000	251.3	301.6	456.3	547.5	96	380	55X-6-8

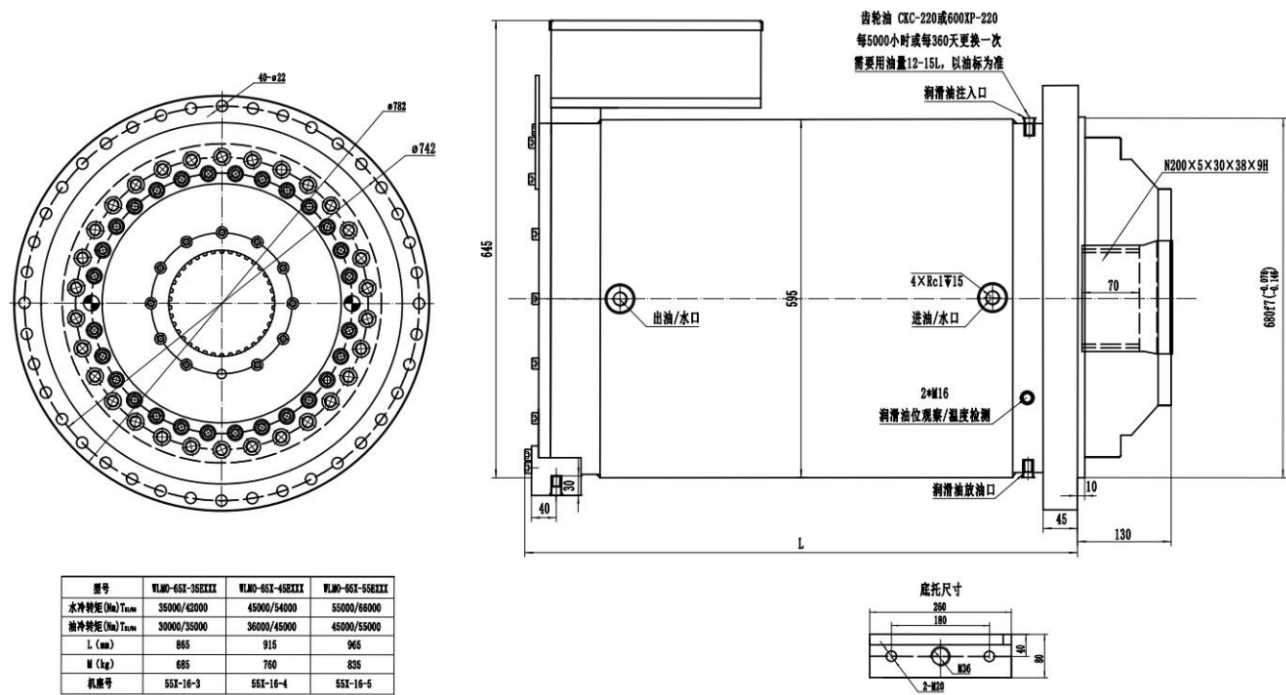
外形尺寸图——兼容 F100



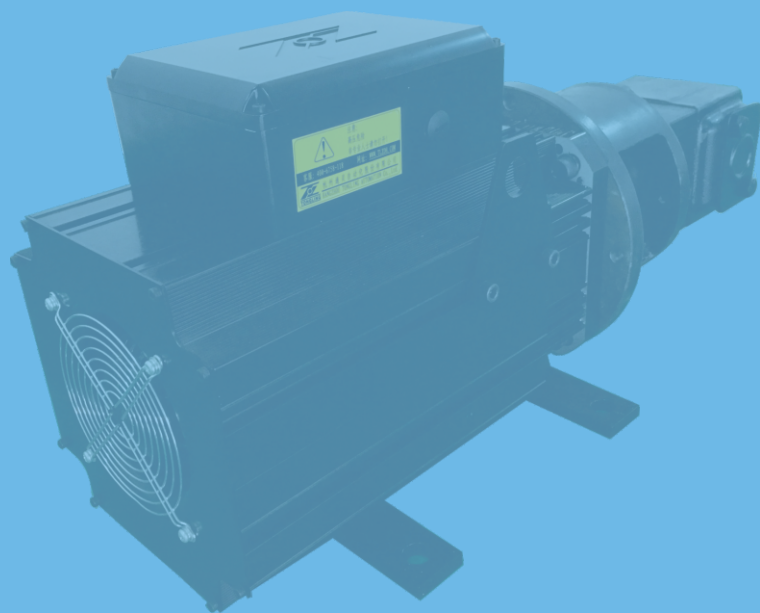
伺服电机参数表—Servo motor parameter table

型号	额定转数 r/min	额定转矩 S1(N·m)	额定转矩 S4(N·m)	额定功率 S1(Kw)	额定功率 S4(Kw)	额定电流 S1 (A)	额定电流 S4 (A)	定额定频率 Hz	额定电压 V	规格
65X-35E30A	30	35000	42000	109.9	131.9	199.6	239.5	80	380	65X-20-3
65X-45E30A	30	45000	54000	141.4	169.6	256.7	308.0	80	380	65X-20-4
65X-55E30A	30	55000	66000	172.8	207.3	313.7	376.4	80	380	65X-20-5
65X-35E45A	45	36000	43200	169.6	203.6	308.0	369.6	120	380	65X-20-3
65X-45E45A	45	45000	54000	212.0	254.5	385.0	462.0	120	380	65X-20-4
65X-55E45A	45	54000	64800	254.5	305.3	462.0	554.4	120	380	65X-20-5
65X-35E60A	60	35000	42000	219.9	263.9	399.2	479.1	160	380	65X-20-3
65X-45E60A	60	45000	54000	282.7	339.3	513.3	616.0	160	380	65X-20-4
65X-55E60A	60	55000	66000	345.5	414.7	627.4	752.9	160	380	65X-20-5

外形尺寸图——兼容 CB280



参考机型		油马达		工作时系统压力 (Mpa)							
参考机型 (T)	螺杆直径 (参考)	系列	型号	单位扭矩 N.m	5	6	7	8	10	12	14
100	30	NHM3	300	43	215	258	301	344	430	516	602
120	35		350	50	250	300	350	400	500	600	700
130	40		400	56	280	336	392	448	560	672	784
160	42	NHM6	450	63	315	378	441	504	630	756	882
180	45		500	77	385	462	539	616	770	924	1078
200	47		600	88	440	528	616	704	880	1056	1232
250	50	NHM8	700	105	525	630	735	840	1050	1260	1470
280	55		800	120	600	720	840	960	1200	1440	1680
300	58		900	131	655	786	917	1048	1310	1572	1834
320	60	NHM11	1000	145	725	870	1015	1160	1450	1740	2030
350	65		1100	163	815	978	1141	1304	1630	1956	2282
380	70		1200	182	910	1092	1274	1456	1820	2184	2548
420	75		1300	192	960	1152	1344	1536	1920	2304	2688
450	75	NHM16	1400	209	1045	1254	1463	1672	2090	2508	2926
480	75		1600	244	1220	1464	1708	1952	2440	2928	3416
500	80		1800	268	1340	1608	1876	2144	2680	3216	3752
600	80		2000	301	1505	1806	2107	2408	3010	3612	4214
650	85	NHM31	2400	335	1675	2010	2345	2680	3350	4020	4690
680	85		2500	378	1890	2268	2646	3024	3780	4536	5292
700	90		2800	397	1985	2382	2779	3176	3970	4764	5558
780	90		3000	453	2265	2718	3171	3624	4530	5436	6342
880	90		3150	476	2380	2856	3332	3808	4760	5712	6664
900	95		3500	527	2635	3162	3689	4216	5270	6324	7378
980	100		4000	614	3070	3684	4298	4912	6140	7368	8596
1000	105		4500	669	3345	4014	4683	5352	6690	8028	9366
1050	105		5000	714	3570	4284	4998	5712	7140	8568	9996
1080	110		4300	617	3085	3702	4319	4936	6170	7404	8638
1180	110	F50	5300	759	3795	4554	5313	6072	7590	9108	10626
1250	130	F68	6800	947	4735	5682	6629	7576	9470	11364	13258
1280	120	F70	5400	806	4030	4836	5642	6448	8060	9672	11284
1380	130		6000	885	4425	5310	6195	7080	8850	10620	12390
1500	140		6300	967	4835	5802	6769	7736	9670	11604	13538
1600	145		7000	1053	5265	6318	7371	8424	10530	12636	14742
1700	150	F80	8000	1154	5770	6924	8078	9232	11540	13848	16156
1800	150	F100	10000	1480	7400	8880	10360	11840	14800	17760	20720
2000	160		11600	1658	8290	9948	11606	13264	16580	19896	23212
2200	180		12600	1863	9315	11178	13041	14904	18630	22356	26082
2400	185	CA210	210	2100	10500	12600	14700	16800	21000	25200	29400
2500	200		210	2100	10500	12600	14700	16800	21000	25200	29400
2800	220		210+100	3100	15500	18600	21700	24800	31000	37200	43400
3300	240		210+140	3500	17500	21000	24500	28000	35000	42000	49000
3800	260		210+210	4200	21000	25200	29400	33600	42000	50400	58800



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