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SHENYANG BLUELIGHT

沈阳蓝光，伴你飞翔
DRIVE THE FUTURE



[HTTP://WWW.SYLG.CN](http://www.sylg.cn)

2025年5月修订

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样本信息仅供参考

Sample Information For Reference Only

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沈阳蓝光驱动技术有限公司

Shenyang BlueLight Drive Technology Co., Ltd.

公司简介 About us

- 沈阳蓝光集团成立于 1989 年，是专业从事电梯控制系统和永磁同步无齿轮电梯曳引机开发、生产的高科技企业。是中国电梯协会理事单位、ISO9001 认证企业。
- 沈阳蓝光驱动技术有限公司在广东肇庆及浙江南浔均建有生产基地，其中肇庆厂区 1 万平方米，年产 3 万台；浙江南浔厂区 1 万平方米，年产 3 万台。
- 沈阳蓝光从 1998 年开始永磁同步无齿轮电梯曳引机产品的研制开发工作，组成了由两名电机学博士为主的课题组，投入大量人力、物力，先后同国内高校和国外知名企业开展技术合作，于 2000 年 10 月研制成功首台永磁同步无齿轮电梯曳引机并投入试运行。此后又经过多次重大技术、工艺改进，于 2001 年 7 月率先在国内通过国家电梯质量检测中心检验，并取得认证证书，产品投入批量生产。沈阳蓝光获得了永磁同步无齿轮电梯曳引机多项国家专利，拥有该项产品技术的全部自主知识产权。
- 到目前为止，蓝光集团生产的永磁同步无齿轮电梯曳引机产品在全国各地被广泛使用，部分产品远销到欧洲、美洲、韩国、日本、台湾、中东、东南亚等国家和地区。由于蓝光曳引机具有运行噪音低、振动小、运行舒适平稳等特点，深受广大电梯制造厂商的青睐。

- Established in 1989, BlueLight is a leading manufacturer of elevator control systems and gearless permanent magnet synchronous machines. It is member of China Elevator Association and an enterprise certified by ISO9001.
- Shenyang BlueLight has also built production base in Guangdong and Zhejiang province. Guangdong Plant has floor space of 10,000 m² with annual production capacity 30,000 units. Zhejiang Plant has floor space of 10,000 m² with annual production capacity 30,000 units.
- From 1998, Shenyang BlueLight started development of gearless permanent magnet synchronous machines. With a R&D team leading by two doctors experts in motor, BlueLight cooperated constantly with domestic universities, overseas well-known companies for exchange of technology and successfully developed the first gearless permanent magnet synchronous machines in October, 2000. After several technical improvements, BlueLight passed the national EMC testing in July, 2001 and successfully obtained certification. Meanwhile, the machines had been launched into mass production. Shenyang BlueLight has granted several patents of gearless permanent magnet synchronous machines and owned all the knowledge property rights.
- Nowadays, BlueLight gearless machines are widely used in China and some of the products have been sold to Europe, America, Korea, Japan, Taiwan, Middle East, Southeast Asia etc. Relying on the excellent characteristics such as low noise, low vibration, smooth and comfortable running etc., BlueLight gearless machines are being recognized by more and more elevator manufacturers.



沈阳总部
Shenyang Head Quarters



抚顺工厂
Fushun Plant



肇庆工厂
Zhaoqing Plant



浙江工厂
Zhejiang Plant

智慧与力量 COMPANY QUALIFICATION

- 1.质量管理体系认证 | ISO9001
- 2.韩国KTL认证KC证书 | KTL Issue KC Certification
- 3.国家高新技术企业认证 | National high-tech Enterprise
- 4.全国发明展览会银奖 | China Invention Exhibition
- 5.特种设备型式实验合格证 | Type-examination Certificate of Special Equipment
- 6.中华人民共和国专利证书 | Patent Certificate
- 7.CE证书 | CE Certification
- 8.环境管理体系认证证书 | Environmental Management System Certification Certificate
- 9.职业健康安全管理体系认证证书 | Occupational Health and Safety Management System Certification



1



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6



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8

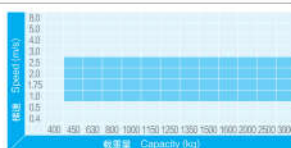


9

01 标准系列 WYT-T STANDARD SERIES

- WYT-T 永磁同步曳引机
(节能款 / 轻载款 / 标准款 / 高性能款 / 重载款)
WYT-T PM TRACTION MACHINE (TM/TS/TF/TD/TE)

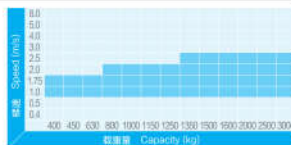
01/10



02 静音系列 WYT-L COMFORTABLE SERIES

- WYT-L 无机房款
WYT-L MACHINE ROOMLESS VERSION

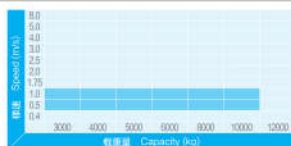
11/14



03 货梯系列 WYT-TD/TE/VV1S FREIGHT ELEVATOR SERIES

- WYT(TD/TE/VV1S) 货梯款
WYT-T (TD/TE/VV1S) FREIGHT ELEVATOR VERSION

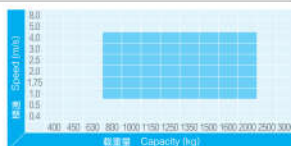
15/22



04 高速系列 WYT-J/H HIGH SPEED SERIES

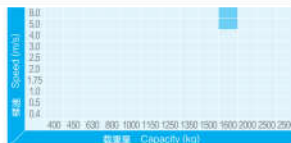
- WYT-J 复绕款
WYT-J DOUBLE WRAP VERSION

23/24



- WYT-H 超高速款
WYT-H ULTRA-HIGH SPEED VERSION

25/26

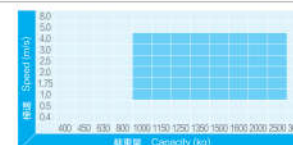


曳引机选型表 MACHINE TYPE RECOMMENDATION TABLE

05 大载重1:1系列 WYT-V/V1S HEAVY LOAD SERIES

- WYT-V
WYT-V

27/30



- WYT-V1S
WYT-V1S

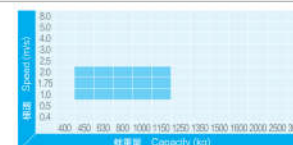
31/32



06 导轨安装系列 WYT-R RAIL MOUNT SERIES

- WYT-R 导轨安装款
WYT-R RAIL MOUNT VERSION

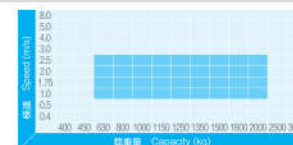
33/36



07 钢带系列 WYT-K/F BELT MACHINE SERIES

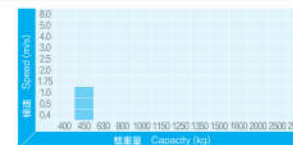
- WYT-K 商用梯款
WYT-K COMMERCIAL ELEVATOR VERSION

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- WYT-F 别墅梯款
WYT-F VILLA VERSION

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- 钢带配件 (钢带, 绳头组合, 导向轮组件, 断带检测装置)
ACCESSORIES (BELT, SHACKLES, WHEEL ASSEMBLY, BELT DETECTOR)

标准系列 WYT-T

STANDARD SERIES

WYT-T

永磁同步曳引机

WYT-T PM Traction Machine

WYT-T 系列是我司主力推出的经典款外转子永磁同步曳引机。此系列经过 10 余年的不断改进, 产品质量非常稳定, 性能指标国内领先, 产品覆盖范围极广, 成为现在高性能电梯的首选产品。

WYT-T series outer rotor PMS machine is Bluelight's most popular product. After 10 years of continuous improvement, this series product has high quality standard, with superior performance, and can cover wide range of elevator application. It is your first choice for high performance elevator.

特点 (Features)

- 合理的机械结构设计, 轴负荷大, 运行安全系数高;
- 高效率、高转矩密度设计, 优化的极槽配合;
- 主机运行平稳, 噪音低, 振动小;
- 轿厢速度、载重量覆盖广;
- 采用无闸臂块式制动器, 响应快, 可靠性高。



- Optimized mechanical structure design, high shaft load, high operating safety factor;
- High efficiency, high torque density design and optimized pole slot coordination;
- Machine run smoothly, with low noise & small vibration;
- This series covers wide range of elevator speed & capacity;
- Use block type armless brake, it has fast response time & high reliability.

主机技术参数 (Parameter of Traction Machine)

额定电压 (Voltage): AC380V
悬挂比 (Roping): 2 : 1
钢丝绳绕法 (Wrap): 单绕 (Single)
额定载重量 (Capacity): 450kg ~ 3000kg
轿厢速度 (Speed): 1.0m/s ~ 2.5m/s

防护等级 (Protection Grade): IP41
绝缘等级 (Ins. Class): F
曳引机极数 (Traction machine pole): 30
启动频次 (次/小时, Stars per hour): 240
工作制 (Rating): S5~40%

制动器技术参数 (Parameter of Brake)

型号 (Model): BLB 绝缘等级 (Ins.Class): F 额定电压 (Voltage): DC110V
额定电流 (Current):

系列 Series	型号 Model	速度(m/s) Speed	载重代号 Capacity code	额定电流 Current
WYT-T	D	1.0~2.0	A, B, AS, BS, CS, DS, AMS, AM, BMS, BM, CMS (450kg~1000kg)	1.1A
			C, CL, D, DL, E, CM, DMS, DM, EMS (800kg~1150kg)	1.3A
		1.0~2.5	C, CL, D, DL, E, EL (800kg~1150kg)	
	E	1.0~1.75	F, FL, G, GL, H, HL (1275kg~1600kg)	1.6A
		1.0~2.0	A, B, C, D, E, F (1000kg~2000kg)	1.6A
		1.0~2.5	AL, BL, CL, DL, EL (1000kg~1600kg)	
		1.0~2.5	FL, G, GL, H (2000kg~3000kg)	1.98A



能效等级 (Energy Efficiency Class): 3



能效等级 (Energy Efficiency Class): 3

中国能效标识
CHINA ENERGY LABEL

能效等级
3

3级

能效比

外观尺寸图 | Outline drawing

WYT-TF 标准款 WYT-TF Standard Version

推荐提升高度 (Height): ≤90m

能效等级 (Energy Efficiency Class): 2



系列 Series	规格 Type	载重 Capacity (kg)	额定速度 Speed (m/s)	绳轮直径 Sheave (mm)	绳数 Num	绳径 (mm)	绳间距 Pitch (mm)	额定电流 Current (A)	额定转速 Max Speed (rpm)	额定频率 Frequency (Hz)	额定功率 Power (kW)	额定转矩 Torque (Nm)	最大轴 及吊钩 重量 (kg)	主机重量 Weight (kg)	安装尺寸 Dimension (mm)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
															A	B	C	D	E	F	H	H1	L	L1	L2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
WYT-T	1.0A	450	1.0	Φ400	4	Φ10	16	7.5	96	24	3.2	320	2500	≈300	140	195	47.5	29.5	337	398																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	</

WYT-TF 标准款 WYT-TF Standard Version

推荐提升高度 (Height): ≤90m

能效等级 (Energy Efficiency Class): 3



系列 Series	规格 Type	载重 Capacity (kg)	额定速度 Speed (m/s)	绳轮直径 Sheave (mm)	绳数 Num	绳径 (mm)	绳间距 Pitch (mm)	额定电流 Current (A)	额定转速 Max Speed (rpm)	额定频率 Frequency (Hz)	额定功率 Power (kW)	额定转矩 Torque (Nm)	最大轴 及吊钩 重量 (kg)	主机重量 Weight (kg)	安装尺寸 Dimension (mm)											
															A	B	C	D	E	F	H	H1	L	L1	L2	
WYT-T	N1.0A	450	1.0	Φ400	4	Φ10	16	7.7	96	24	3.2	320	2500	≈300	140	195	47.5	29.5	337	398						
	N1.5A		1.5					11.3	144	36	4.8															
	N1.6A		1.6					11.6	153	38.3	5.1															
	N1.75A		1.75					12.4	168	42	5.6															
	N2.0A	2.0	14.5	192	48	6.4	460																			
	N1.0B	1.0	10.4	96	24	4.6																				
	N1.5B	1.5	16.7	144	36	6.9																				
	N1.6B	1.6	17.1	153	38.3	7.4																				
	N1.75B	1.75	17.8	168	42	8.1	520																			
	N2.0B	2.0	20.2	192	48	9.3																				
	N1.0C	1.0	12	96	24	5.2																				
	N1.5C	1.5	20.0	144	36	7.8																				
	N1.6C	1.6	20.4	153	38.3	8.3	605																			
	N1.75C	1.75	20.7	168	42	9.1																				
	N2.0C	2.0	23.0	192	48	10.5																				
	N1.0CL	1.0	11.2	80	19.9	5.1																				
	N1.5CL	1.5	20.4	119	29.8	8.3	665																			
	N1.6CL	1.6	20.8	127	31.8	8.8																				
	N1.75CL	1.75	21.2	139	34.8	9.7																				
	N2.0CL	2.0	24	159	39.8	11																				
	N1.0D	1000	1.0	Φ400	5	Φ10	16	13.8	96	24	6.1	605	3500	170	225	47.5	29.5	367	428							
	N1.5D		1.5					25	144	36	10															
	N1.6D		1.6					25.5	153	38.3	10.7															
	N1.75D		1.75					26.2	168	42	11.7															
	N2.0D	2.0	29.8	192	48	13.4	800																			
N1.0DL	1.0	15.1	80	19.9	6.7																					
N1.5DL	1.5	25	119	29.8	10																					
N1.6DL	1.6	25.2	127	31.8	10.7																					
N1.75DL	1.75	25.6	139	34.8	11.7	≈350																				
N2.0DL	2.0	29	159	39.8	13.3																					
N1.0E	1.0	17.2	96	24	7.7																					
N1.5E	1.5	28.3	144	36	11.5																					
N1.6E	1150	1.6	Φ400	6	Φ10	16	28.7	153	38.3	12.3	765															
N1.75E		1.75					29.5	168	42	13.4																
N2.0E		2.0					33	192	48	15.4																

推荐提升高度 (Height): $\leq 120\text{m}$ 能效等级 (Energy Efficiency Class): 2

[illegible]

推荐提升高度 (Height): $\leq 120\text{m}$ 能效等级 (Energy Efficiency Class): 3

[illegible]

WYT-TE 重载款 WYT-TE Heavy Duty

推荐提升高度 (Height): ≤120m

能效等级 (Energy Efficiency Class): 2



系列 Series	规格 Type	容量 Capacity (kg)	额定速度 Speed (m/s)	曳引轮直径 Sheave (mm)	绳数 Num	绳径 (mm)	槽间距 Pitch (mm)	额定电流 Current		额定转速 Motor Speed		额定功率 Power (kW)	额定转矩 Torque (Nm)	最大轴 输出功率 (kg)	主机重量 Weight (kg)	安装尺寸 Dimension(mm)											
								(A)	(rpm)	(Hz)	(kW)					A	B	C	D	E	F	H	HI	L	L1	L2	
WYT-TE	E1.0A	1.0	1.0	400	7	10	16	13.6	96	24	6.1	605															
	E1.5A	1.5	1.5	400	7	10	16	24.8	144	36	10																
	E1.6A	1.6	1.6	400	7	10	16	25.3	153	38.3	10.7																
	E1.75A	1.75	1.75	400	7	10	16	25	168	42	11.7																
	E2.0A	2.0	2.0	400	7	10	16	29.6	192	48	13.4																
	E1.0AL	1.0	1.0	480	5	12	18	14.9	80	19.9	6.7																
	E1.5AL	1.5	1.5	480	5	12	18	24.7	119	29.8	10																
	E1.6AL	1.6	1.6	480	5	12	18	25	127	31.8	10.7																
	E1.75AL	1.75	1.75	480	5	12	18	25.4	139	34.8	11.7																
	E2.0AL	2.0	2.0	480	5	12	18	28.7	159	39.8	13.3																
	E2.5AL	2.5	2.5	480	5	12	18	34.6	199	49.7	16.7																
	E1.0B	1.0	1.0	400	7	10	16	17	96	24	7.7																
	E1.5B	1.5	1.5	400	7	10	16	28.1	144	36	11.5																
	E1.6B	1.6	1.6	400	7	10	16	28.5	153	38.3	12.3																
	E1.75B	1.75	1.75	400	7	10	16	29.3	168	42	13.4																
	E2.0B	2.0	2.0	400	7	10	16	32.7	192	48	15.4																
	E1.0BL	1.0	1.0	480	5	12	18	16.8	80	19.9	7.5																
	E1.5BL	1.5	1.5	480	5	12	18	28.1	119	29.8	11.2																
	E1.6BL	1.6	1.6	480	5	12	18	28.5	127	31.8	12																
	E1.75BL	1.75	1.75	480	5	12	18	29.4	139	34.8	13.2																
	E2.0BL	2.0	2.0	480	5	12	18	32.1	159	39.8	15.1																
	E2.5BL	2.5	2.5	480	5	12	18	41.5	199	49.7	18.7																
	E1.0C	1.0	1.0	400	7	10	16	18	96	24	8.2																
	E1.5C	1.5	1.5	400	7	10	16	28.1	144	36	12.4																
	E1.6C	1.6	1.6	400	7	10	16	28.5	153	38.3	13.1																
	E1.75C	1.75	1.75	400	7	10	16	31.3	168	42	14.4																
	E2.0C	2.0	2.0	400	7	10	16	36.5	192	48	16.5																
	E1.0CL	1.0	1.0	480	5	12	18	18	80	19.9	8.2																
	E1.5CL	1.5	1.5	480	5	12	18	28.1	119	29.8	12.2																
	E1.6CL	1.6	1.6	480	5	12	18	28.5	127	31.8	13																
	E1.75CL	1.75	1.75	480	5	12	18	31.3	139	34.8	14.3																
	E2.0CL	2.0	2.0	480	5	12	18	36.5	159	39.8	16.3																
	E2.5CL	2.5	2.5	480	5	12	18	43.8	199	49.7	20.4																
	E1.0D	1.0	1.0	400	7	10	16	19.5	96	24	8.8																
	E1.5D	1.5	1.5	400	7	10	16	30.2	144	36	13.3																
	E1.6D	1.6	1.6	400	7	10	16	30.7	153	38.3	14.1																
	E1.75D	1.75	1.75	400	7	10	16	33.7	168	42	15.4																
	E2.0D	2.0	2.0	400	7	10	16	39.3	192	48	17.6																
	E1.0DL	1.0	1.0	480	5	12	18	19.5	80	19.9	8.8																
	E1.5DL	1.5	1.5	480	5	12	18	30.2	119	29.8	13.1																
	E1.6DL	1.6	1.6	480	5	12	18	30.7	127	31.8	14.1																
	E1.75DL	1.75	1.75	480	5	12	18	33.7	139	34.8	15.4																
	E2.0DL	2.0	2.0	480	5	12	18	39.3	159	39.8	17.6																
	E2.5DL	2.5	2.5	480	5	12	18	47.2	199	49.7	22																
	E1.0E	1.0	1.0	400	7	10	16	22.9	96	24	10.4																
	E1.5E	1.5	1.5	400	7	10	16	35.7	144	36	15.7																
	E1.6E	1.6	1.6	400	7	10	16	36.2	153	38.3	16.6																
	E1.75E	1.75	1.75	400	7	10	16	40.5	168	42	18.2																
	E2.0E	2.0	2.0	400	7	10	16	46	192	48	20.8																
	E1.0EL	1.0	1.0	480	5	12	18	22.9	80	19.9	10.4																
	E1.5EL	1.5	1.5	480	5	12	18	35.7	119	29.8	15.6																
	E1.6EL	1.6	1.6	480	5	12	18	36.2	127	31.8	16.6																
	E1.75EL	1.75	1.75	480	5	12	18	40.5	139	34.8	18.2																
	E2.0EL	2.0	2.0	480	5	12	18	46	159	39.8	20.8																
	E2.5EL	2.5	2.5	480	5	12	18	57.5	199	49.7	26																
	E1.0F	1.0	1.0	400	7	10	16	26.7	96	24	13.1																
	E1.5F	1.5	1.5	400	7	10	16	44.7	144	36	19.8																
	E1.6F	1.6	1.6	400	7	10	16	45.3	153	38.3	20.9																
	E1.75F	1.75	1.75	400	7	10	16	50.8	168	42	22.9																
	E2.0F	2.0	2.0	400	7	10	16	57.6	192	48	26.2																
	E1.0FL	1.0	1.0	480	5	12	18	26.7	80	19.9	13.1																
	E1.5FL	1.5	1.5	480	5	12	18	44.7	119	29.8	19.8																
	E1.6FL	1.6	1.6	480	5	12	18	45.3	127	31.8	20.9																
	E1.75FL	1.75	1.75	480	5	12	18	50.8	139	34.8	22.9																
	E2.0FL	2.0	2.0	480	5	12	18	57.6	159	39.8	26.2																
	E2.5FL	2.5	2.5	480	5	12	18	71.9	199	49.7	32.7																
	E1.0G	1.0	1.0	400	7	10	16	37.5	96	24	16.4																
	E1.5G	1.5	1.5	400	7	10	16	59.4	144	36	24.6																
	E1.6G	1.6	1.6	400	7	10	16	60	153	38.3	26.2																
	E1.75G	1.75	1.75	400	7	10	16	65.6	168	42	28.8																
	E2.0G	2	2	400	7	10	16	75	192	48	32.9																
	E1.0GL	1.0	1.0	480	5																						

静音系列 WYT-L

COMFORTABLE SERIES

WYT-L 无机房款

WYT-L Machine Roomless Version

WYT-L 系列产品是我司 2019 年研发的新一代内转子结构的永磁同步曳引机, 尤其适用于小机房或无机房。WYT-L 系列主机标准产品为 3 级能效, 可根据客户要求提供 2 级能效产品。

WYT-L series products are the new generation inner rotor structure PM gearless traction machine developed by BlueLight in 2019. It is suitable for mini machine room or machine roomless elevator application. The standard products of the WYT-L series are level 3 energy efficiency, and can provide level 2 energy efficiency products according to customer requirements.

特点 (Features)

- 针对无机房和小机房进行特殊静音设计;
- 针对某些顶层高度不足接线困难的现场标配可移动接线盒;
- 散热效果好, 效率高;
- 高转矩密度设计, 材料利用率高, 体积小重量轻;
- 电磁结构优化, 低速运行平稳, 过载能力强;
- 采用轴刹制动器, 结构紧凑, 制动噪音低, 响应速度快。
- Special silent design for MMR or MRL.
- For some sites where the top level is insufficient and difficult to wire, a removable junction box is standard;
- Further improves heat dissipation.
- High efficiency and high torque density design with high material utilization, small size and light weight.
- The inner rotor structure improves electromagnetic structure, result smooth low speed running and high overload capacity.
- Use shaft brake, with the advantage of compact structure, low braking noise and fast response time.



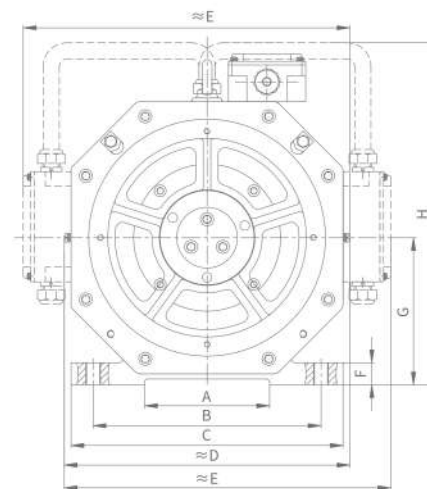
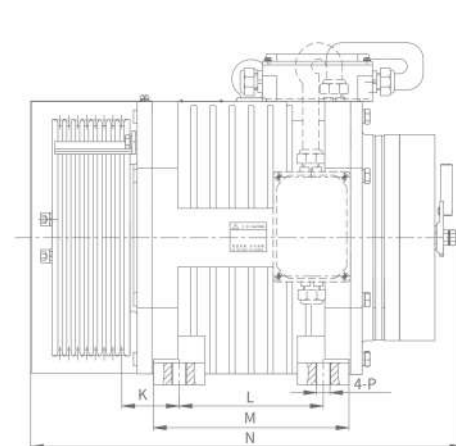
主机技术参数 (Parameter of Traction Machine)

额定电压 (Voltage): AC380V
悬挂比 (Roping): 2:1
钢丝绳绕法 (Wrap): 单绕 (Single)
额定载重量 (Capacity): 408kg ~ 3000kg
轿厢速度 (Speed): 1.0m/s ~ 2.5m/s
防护等级 (Protection Grade): IP41
绝缘等级 (Ins. Class): F
曳引机极数 (Traction machine pole): 20
启动频次 (次/小时, Stars per hour): 240
工作制 (Rating): S5-40%

制动器技术参数 (Parameter of Brake)

型号 (Model): BLS 绝缘等级 (Ins. Class): F 额定电压 (Voltage): DC110V
额定电流 (Current):

载重 (kg) Capacity	额定电流 Current
408kg ~ 1350kg	1.5A × 2
1350kg ~ 3000kg	2.3A × 2



注: 本机型主机接线盒安装在主机上方, 也可以安装在左侧或右侧, 如以上外观尺寸图所示。
Remark: The machine junction box can be installed on the top or left or right side of the host, as shown in the above outline drawing.

外观尺寸图 | Outline drawing

推荐提升高度 (Height): $\leq 80\text{m}$

能效等级 (Energy Efficiency Class): 3

系列 Series	规格 Type	重量 Capacity (kg)	额定速度 Speed (m/s)	曳引轮直径 Sheave (mm)	绳数 Num	绳径 (mm)	槽口距 Pitch (mm)	额定电流 Current (A)	额定转速 Speed (rpm)	额定频率 Frequency (Hz)	额定功率 Power (kW)	额定转矩 Torque (Nm)	最大轴 负载 Shaft Load (kg)	主机重量 Weight (kg)	安装尺寸 Dimension(mm)															
															A	B	C	D	E	F	G	H	K	L	M	N	P			
WYT-L	DN1.0AM	408	1.0	Φ320	4	Φ8	12	6.4	119	19.8	2.7	220	2000	~200	150	310	360	356	405	25	170	410	78	196	257	515	M20			
	DN1.5AM		1.5					9.8	178	29.7	4.1																			
	DN1.6AM		1.6					10	190	31.7	4.4																			
	DN1.75AM	1.75		10.2	208	34.7	4.8	180																						
	DN1.0AS	1.0	7.8	159	26.5	3																								
	DN1.5AS	1.5	12.2	238	40	4.5																								
	DN1.6AS	1.6	12.5	254	42.3	4.8	240																							
	DN1.75AS	1.75	12.7	278	46.3	5.2																								
	DN1.0A	1.0	7.6	119	19.8	3																								
	DN1.5A	1.5	12.2	178	29.7	4.5	240																							
	DN1.6A	1.6	12.5	190	31.7	4.8																								
	DN1.75A	1.75	12.7	208	34.7	5.2																								
	DN1.0BM	1.0	8	119	19.8	3.5	280																							
	DN1.5BM	1.5	12.4	178	29.7	5.2																								
	DN1.6BM	1.6	12.6	190	31.7	5.6																								
	DN1.75BM	1.75	12.8	208	34.7	6.1	240																							
	DN1.0BS	1.0	10.4	159	26.5	4																								
	DN1.5BS	1.5	15.4	238	40	6																								
	DN1.6BS	1.6	15.7	254	42.3	6.4	320																							
	DN1.75BS	1.75	16.4	278	46.3	7																								
	DN1.0B	1.0	9.6	119	19.8	4																								
	DN1.5B	1.5	15.6	178	29.7	6	320																							
	DN1.6B	1.6	16.0	190	31.7	6.4																								
	DN1.75B	1.75	16.5	208	34.7	7																								
	DN1.0CS	1.0	12.9	159	26.5	5.3	320																							
	DN1.5CS	1.5	21.5	238	40	8																								
	DN1.6CS	1.6	21.8	254	42.3	8.5																								
	DN1.75CS	1.75	22.5	278	46.3	9.3	430																							
	DN2.0CS	2.0	25	318	53	10.7																								
	DN1.0C	1.0	12.7	119	19.8	5.4																								
	DN1.5C	1.5	21.5	178	29.7	8	430																							
	DN1.6C	1.6	21.8	190	31.7	8.6																								
	DN1.75C	1.75	22.5	208	34.7	9.4																								
	DN2.0C	2.0	25	239	39.8	10.8	400																							
	DN1.0DS	1.0	15.3	159	26.5	6.7																								
	DN1.5DS	1.5	26	238	40	10																								
DN1.6DS	1.6	26.4	254	42.3	10.6	400																								
DN1.75DS	1.75	26.8	278	46.3	11.6																									
DN2.0DS	2.0	29.2	318	53	13.3																									
DN1.0D	1.0	15.3	119	19.8	6.6	530																								
DN1.5D	1.5	25.6	178	29.7	9.9																									
DN1.6D	1.6	26	190	31.7	10.5																									
DN1.75D	1.75	26.8	208	34.7	11.5	580																								
DN2.0D	2.0	29.2	239	39.8	13.3																									
DN1.0E	1.0	16.7	119	19.8	7.2																									
DN1.5E	1.5	27.4	178	29.7	10.8	580																								
DN1.6E	1.6	27.8	190	31.7	11.5																									
DN1.75E	1.75	29.3	208	34.7	12.6																									
DN2.0E	2.0	31.9	239	39.8	14.5																									

系列 Series	电机 Type	容量 Capacity (kg)	额定速率 Speed (r/min)	定子绕组接 法 Winding (mm)	槽数 Num	端径 (mm)	槽间距 Pitch (mm)	额定电压	额定转速	额定频率	额定功率	额定转矩 Torque (Nm)	最大轴 负荷 Shaft Load (kg)	主机重量 Weight (kg)	安装尺寸 Dimension(mm)																							
								(V)	(rpm)	(Hz)	(kW)				A	B	C	D	E	F	G	H	K	L	M	N	P											
WYT-L	CN1.0F	1275	1.0	φ320	8	φ8	12	16.1	119	19.8	7.9	630	4000	~200	170	310	370	390	445	30	200	465	78	196	266	588	M20											
	CN1.5F		1.5					29.6	178	29.7	11.7																											
	CN1.5F		1.6					30.0	190	31.7	12.5																											
	CN1.75F		1.75					31.8	208	34.7	13.7																											
	CN2.0F		2.0					34.7	239	39.8	15.8																											
	CN1.0G		1.0					19.2	119	19.8	8.5																											
	CN1.5G	1.5	33.4	178	29.7	12.7	680	4000	~200	170	310	370	390	445	30	200	465	78	196	266	588	M20																
	CN1.6G	1.6	33.6	190	31.7	13.5																																
	CN1.75G	1.75	33.8	208	34.7	14.8																																
	CN2.0G	2.0	36.8	239	39.8	17.0																																
	CN1.0G400	1.0	19.7	96	16	8.5																	850	4000	~200	170	310	370	390	445	30	200	465	78	196	266	588	M20
	CN1.5G400	1.5	30.3	144	24	12.8																																
	CN1.6G400	1.6	30.5	153	26	136																																
	CN1.75G400	1.75	30.7	168	28	15.0																																
	CN2.0G400	2.0	35.2	192	32	17.1																																
	CN2.5G400	2.5	44.6	240	40	21.4																																
	CN1.0H320	1.0	21.2	119	19.8	10	805	4000	~200	170	310	370	390	445	30	200	465	78	196	266	588	M20																
	CN1.5H320	1.5	35	178	29.7	15																																
	CN1.6H320	1.6	35.2	190	31.7	16																																
	CN1.75H320	1.75	35.4	208	34.7	17.5																																
	CN2.0H320	2.0	42.2	239	39.8	20.1																																
	CN2.5H320	2.5	52.7	298	49.7	25.1																																
	CN1.0H400	1.0	23.2	96	16	10.1	1005	4000	~200	170	310	370	390	445	30	200	465	78	196	266	588	M20																
	CN1.5H400	1.5	35.6	144	24	15.2																																
	CN1.6H400	1.6	35.8	153	26	16.1																																
	CN1.75H400	1.75	36	168	28	17.7																																
	CN2.0H400	2.0	43	192	32	20.2																																
	CN2.5H400	2.5	53.8	240	40	25.3																																
	CN1.0J320	1.0	27.3	119	19.8	12.7	1020	4000	~200	170	310	370	390	445	30	200	465	78	196	266	588	M20																
	CN1.5J320	1.5	46.8	178	29.7	19																																
	CN1.6J320	1.6	47	190	31.7	20.3																																
	CN1.75J320	1.75	47.2	208	34.7	22.2																																
	CN2.0J320	2.0	54.7	239	39.8	25.5																																
	CN2.5J320	2.5	65.7	298	49.7	31.8																																
	EN1.0J400	1.0	28.7	96	16	13.1	1310	4000	~200	170	310	370	390	445	30	200	465	78	196	266	588	M20																
	EN1.5J400	1.5	48.4	144	24	19.8																																
EN1.6J400	1.6	49.5	153	26	20.9																																	
EN1.75J400	1.75	50.8	168	28	22.9																																	
EN2.0J400	2.0	57.6	192	32	26.2																																	
EN2.5J400	2.5	68.0	240	40	32.9																																	
EN1.0K400	1.0	35.2	96	16	16.2	1610	7000	~800	245	415	495	515	605	50	280	638	133	250	370	848	M24																	
EN1.5K400	1.5	59.2	144	24	24.3																																	
EN1.6K400	1.6	59.6	153	26	25.8																																	
EN1.75K400	1.75	60.0	168	28	28.3																																	
EN2.0K400	2.0	67.8	192	32	32.4																																	
EN2.5K400	2.5	84.5	240	40	40.5																																	
EN1.0P400	1.0	41.5	96	16	19.2	1910	7000	~800	245	415	495	515	605	50	280	638	133	250	370	848	M24																	
EN1.5P400	1.5	70.2	144	24	28.8																																	
EN1.6P400	1.6	70.5	153	26	30.6																																	
EN1.75P400	1.75	70.8	168	28	33.6																																	
EN2.0P400	2.0	81.0	192	32	38.4																																	
EN2.5P400	2.5	96.7	240	40	48.0																																	

货梯系列 WYT-TD/TE/V/V1S
FREIGHT ELEVATOR SERIES

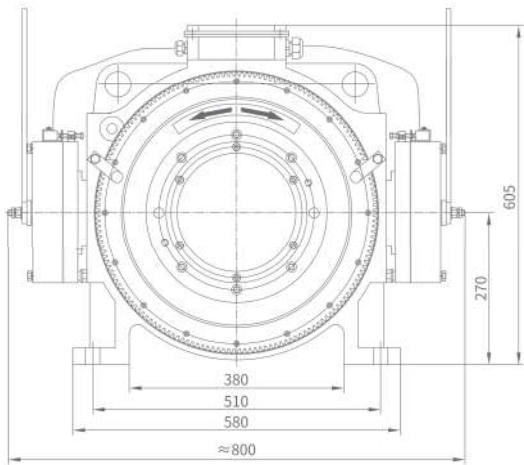
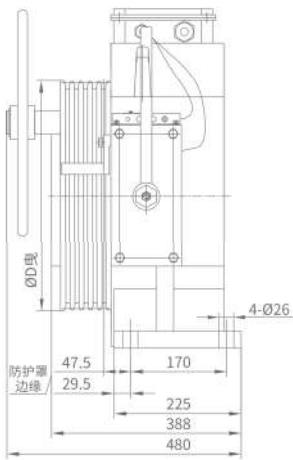
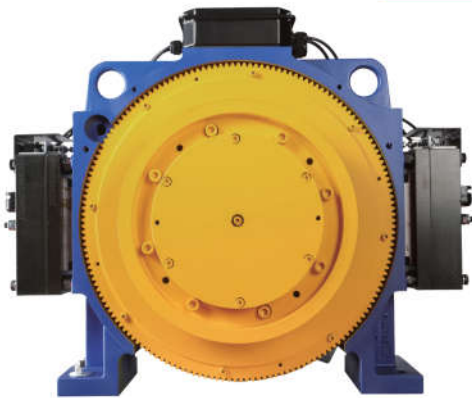
WYT-TD 货梯款 (3t)
WYT-TD Freight Elevator Version(3t)

主机技术参数 (Parameter of Traction Machine)

额定电压 (Voltage): AC380V
悬挂比 (Roping): 4 : 1
钢丝绳绕法 (Wrap): 单绕 (Single)
额定载重量 (Capacity): 3000kg
轿厢速度 (Speed): 0.5m/s ~ 1.0m/s
防护等级 (Protection Grade): IP41
绝缘等级 (Ins. Class): F
曳引机极数 (Traction machine pole): 30
启动频次 (次/小时, Stars per hour): 120
工作制 (Rating): S5-40%

制动器技术参数 (Parameter of Brake)

型号 (Model): BLB
绝缘等级 (Ins.Class): F
额定电压 (Voltage): DC110V
额定电流 (Current): 1.6A



外观尺寸图 | Outline drawing

WYT-TD 货梯款 (3t) \ WYT-TD Freight Elevator Version(3t)

推荐提升高度 (Height): ≤45m
能效等级 (Energy Efficiency Class): 3

系列 Series	规格 Type	载重 Capacity (kg)	轿厢速度 Speed (m/s)	曳引轮直径 Sheave (mm)	槽数 Num	绳径 (mm)	绳间距 Pitch (mm)	额定电流 Current (A)	额定转速 Motor Speed (rpm)	额定频率 Frequency (Hz)	额定功率 Power (kW)	额定转矩 Torque (Nm)	最大轴负荷 Shaft Load (kg)	主机重量 (Weight) (kg)
WYT-T	ND0.5-3	3000	0.5	φ400	7	φ10	16	23.2	96	24	10.4	1040	5500	≈450
	ND1.0-3		1.0					46.2	192	48	20.8	1040		
	ND0.5-3L	3000	0.5	φ480	7	φ10	16	20.6	80	19.9	9.8	1150		
	ND1.0-3L		1.0					41.4	159	39.8	19.1	1150		

WYT-TE 货梯款 (4t\5t\6t)

WYT-TE Freight Elevator Version(4t\5t\6t)



主机技术参数 (Parameter of Traction Machine)

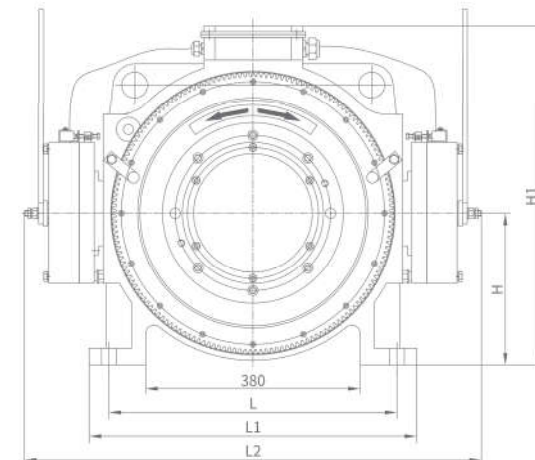
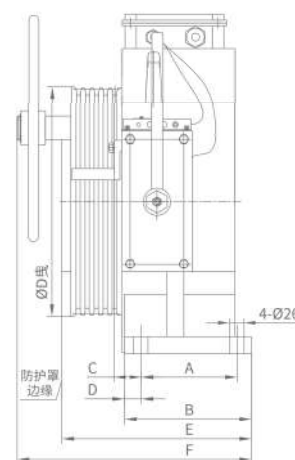
额定电压 (Voltage): AC380V
 悬挂比 (Roping): 4:1
 钢丝绳绕法 (Wrap): 单绕 (Single)
 额定载重量 (Capacity): 4000kg ~ 6000kg
 轿厢速度 (Speed): 0.5m/s ~ 1.0m/s
 防护等级 (Protection Grade): IP41
 绝缘等级 (Ins. Class): F
 曳引机极数 (Traction machine pole): 30
 启动频次 (次/小时, Stars per hour): 120
 工作制 (Rating): S5~40%



制动器技术参数 (Parameter of Brake)

型号 (Model): BLB
 绝缘等级 (Ins. Class): F
 额定电压 (Voltage): DC110V
 额定电流 (Current):

载重(kg) Capacity	额定电流 Current
4000kg ±400	1.6A
4000kg ±480、5000kg ±400/±480、6000kg ±400	1.98A
6000kg ±480	2.5A



外观尺寸图 | Outline drawing

WYT-TE 货梯款 (4t\5t\6t) \ Freight Elevator Version(4t\5t\6t)

推荐提升高度 (Height): ≤45m

能效等级 (Energy Efficiency Class): 3

系列 Series	规格 Type	载重 Capacity (kg)	轿厢速度 Speed (m/s)	曳引轮直径 Sheave (mm)	槽数 Num	绳径 (mm)	绳间距 Pitch (mm)	额定电流 Current (A)	额定转速 Max Speed (rpm)	额定频率 Frequency (Hz)	额定功率 Power (kW)	额定转矩 Torque (Nm)	最大绳 径 Stall Size (kg)	主机重量 Weight (kg)	安装尺寸 Dimension(mm)											
															A	B	C	D	E	F	H	H1	L	L1	L2	
WYT-T	NE0.5-4	4000	0.5	φ400	9	φ10	16	29	96	24	13.1	1310	6500	~680	170	250	59	40	435	505	330	723	560	630	945	
	NE1.0-4		1.0					57.8	192	48	26.2															
	NE0.5-4L	4000	0.5	φ480	7	φ12	18	29	80	19.9	13.1	1570	7500	~760	170	275	59	40	460	530						
	NE1.0-4L		1.0					57.8	159	39.8	26.2															
	NE0.5-5	5000	0.5	φ400	9	φ10	16	37.7	96	24	16.4	1635	7500	~760	170	275	59	40	460	530						
	NE1.0-5		1.0					75.3	192	48	32.9															
	NE0.5-5L	5000	0.5	φ480	7	φ12	18	36.8	80	19.9	16	1910	7500	~760	170	275	59	40	460	530						
	NE1.0-5L		1.0					72.8	159	39.8	31.8															
	NE0.5-6	6000	0.5	φ400	9	φ10	16	43	96	24	19.2	1910	7500	~760	170	275	59	40	460	530						
	NE1.0-6		1.0					86.7	192	48	38.4															
	NE0.5-6L	6000	0.5	φ480	7	φ12	18	42.0	80	19.9	18.4	2200	7500	~760	170	275	59	40	460	530						
	NE1.0-6L		1.0					83.2	159	39.8	36.6															

WYT-V 货梯款 (6t\8t\10t)

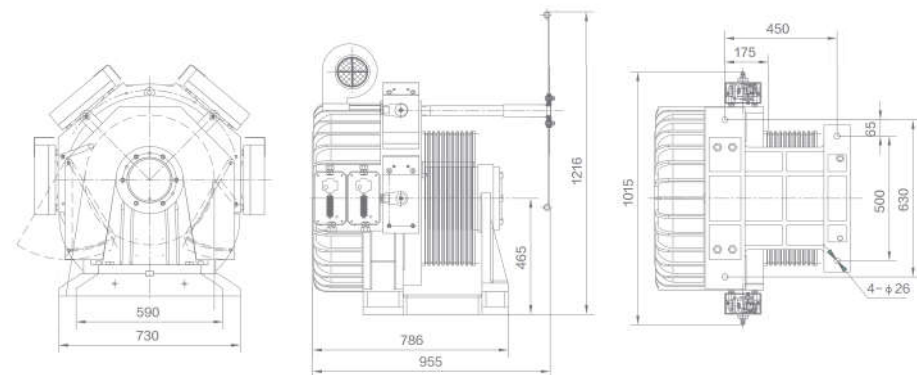
WYT-V Freight Elevator Version (6t\8t\10t)

主机技术参数 (Parameter of Traction Machine)

额定电压 (Voltage): AC380V
悬挂比 (Roping): 4:1
钢丝绳绕法 (Wrap): 单绕 (Single)
额定载重量 (Capacity): 6000kg~10000kg
轿厢速度 (Speed): 0.5m/s ~ 1.0m/s
防护等级 (Protection Grade): IP41
绝缘等级 (Ins. Class): F
曳引机极数 (Traction machine pole): 30
启动频次 (次/小时, Stars per hour): 120
工作制 (Rating): S5~40%

制动器技术参数 (Parameter of Brake)

型号 (Model): BLB 绝缘等级 (Ins.Class): F 额定电压 (Voltage): DC110V
额定电流 (Current): 1.98A



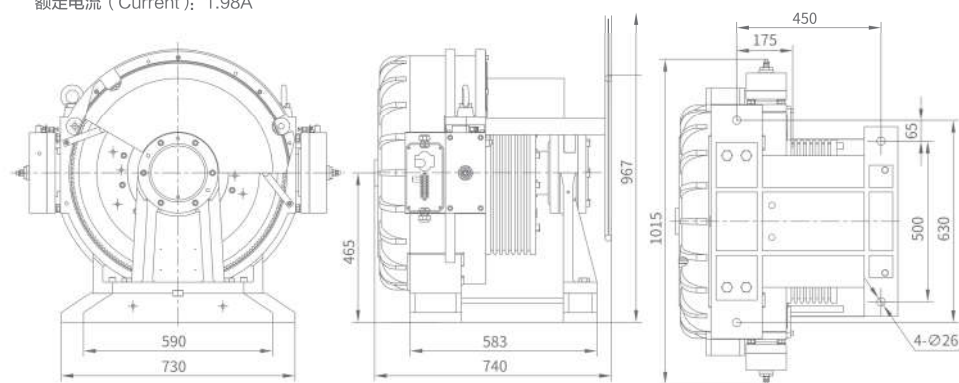
8000kg~10000kg 外观尺寸图 | Outline drawing

WYT-V 货梯款 (6t\8t\10t) | WYT-V Freight Elevator Version (6t\8t\10t)

推荐提升高度 (Height): ≤45m

能效等级 (Energy Efficiency Class): 2

系列 Series	规格 Type	载重 Capacity (kg)	轿厢速度 Speed (m/s)	曳引轮直径 Sheave (mm)	绳股 Num	绳径 (mm)	绳间距 Pitch (mm)	额定电流 Current (A)	额定转速 Motor Speed (rpm)	额定频率 Frequency (Hz)	额定功率 Power (kW)	额定转矩 Torque (Nm)	最大轴负荷 Shaft Load (kg)	主机重量 Weight (kg)
WYT-V	0.5-6-480	6000	0.5	φ480	9	φ12	18	46.5	80	19.9	20.4	2440	10000	~1100
	1.0-6-480		1.0					91.6	159	39.8	40.6			
	0.5-8-480	8000	0.5	φ480	12	φ12	18	54.6	80	19.9	26.1	3120		
	1.0-8-480		1.0					109	159	39.8	51.9			
	0.5-8-520	8000	0.5	φ520	10	φ13	19	54.6	18.3	73.0	25.8	3380		
	1.0-8-520		1.0					109	36.7	147.0	52			
	0.5-10-480	10000	0.5	φ480	12	φ12	18	67.5	80	19.9	32.7	3900		
	1.0-10-480		1.0					136	159	39.8	64.9			
	0.5-10-520	10000	0.5	φ520	10	φ13	19	67.5	18.3	73.0	32.3	4225		
	1.0-10-520		1.0					136	36.7	147.0	65			



6000kg 外观尺寸图 | Outline drawing

WYT-V1S 货梯款 (8t\10t)

WYT-V1S Freight Elevator Version (8t\10t)



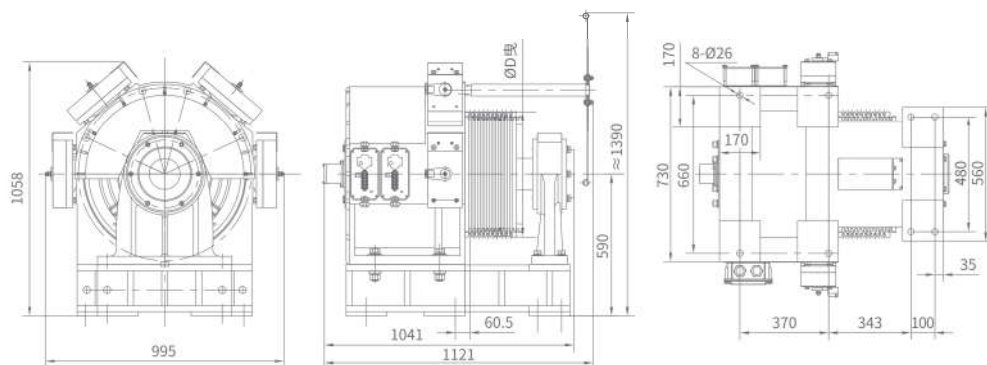
主机技术参数 (Parameter of Traction Machine)

额定电压 (Voltage): AC380V
 悬挂比 (Suspension): 4:1
 额定载重量 (Capacity): 8000kg ~ 10000kg
 轿厢速度 (Speed): 0.5m/s ~ 1.0m/s
 钢丝绳绕法 (Rope): 单绕 (Single)
 防护等级 (Prot. Class): IP41
 绝缘等级 (Ins. Class): F
 曳引机极数 (Traction machine pole): 30
 启动频次 (次/小时, Stars per hour): 120
 工作制 (Rating): S5~40%



制动器技术参数 (Parameter of Brake)

型号 (Model): BLB
 绝缘等级 (Ins. Class): F
 额定电压 (Voltage): DC110V
 额定电流 (Current): 1.98A



外观尺寸图 | Outline drawing

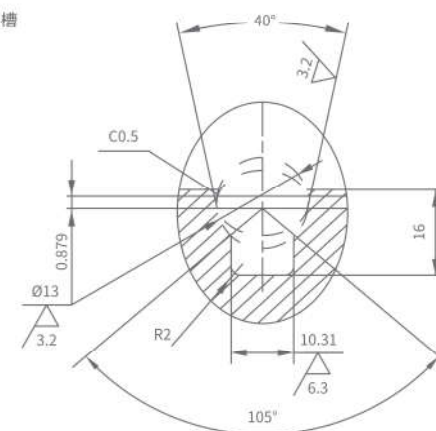
WYT-V1S 货梯款 (8t\10t) \ WYT-V1S Freight Elevator Version (8t\10t)

推荐提升高度 (Height): ≤45m

能效等级 (Energy Efficiency Class): 2

系列 Series	规格 Type	载重 Capacity (kg)	轿厢速度 Speed (m/s)	曳引轮直径 Sheave (mm)	槽数 Num	槽宽 (mm)	槽间距 Pitch (mm)	额定电流 Current (A)	额定转速 Motor Speed (rpm)	额定频率 Frequency (Hz)	额定功率 Power (kW)	额定转矩 Torque (Nm)	最大轴负荷 Sheel Load (kg)	主机重量 Weight (kg)
WYT-V1S	C0.5-8	8000	0.5	φ480	12	φ12	18	54.6	80	19.9	26.1	3120	15000	≈2500
	C1.0-8		1.0					109.0	159	39.8	51.9			
	C0.5-8L		0.5	φ520	10	φ13	19	54.6	73	18.3	25.8	3380		
	C1.0-8L		1.0					109.0	147	36.7	52.0			
	C0.5-10	10000	0.5	φ480	12	φ12	18	67.5	80	19.9	32.7	3900		
	C1.0-10		1.0					136.0	159	39.8	64.9			
	C0.5-10L		0.5	φ520	10	φ13	19	67.5	73	18.3	32.3	4225		
	C1.0-10L		1.0					136.0	147	36.7	65.0			

此系列主机推荐槽型: 单绕V型槽
 Recommended single groove V



外观尺寸图 | Outline drawing

高速系列 WYT-J/H HIGH SPEED SERIES

WYT-J 复绕款

WYT-J Double Wrap Version

WYT-J系列是我公司于2020年为客户专门设计的大扭矩、大载重无齿轮永磁同步曳引机，广泛应用于高层建筑中的观光梯、客梯、货梯，医院中的病床梯等。

WYT-J series products are developed with large torque and heavy load capacity by Blueight in 2020. It is widely used in high-rise buildings elevator applications such as panorama elevator, passenger & cargo elevator, hospital bed elevator and else.

主机技术参数 (Parameter of Traction Machine)

额定电压 (Voltage): AC380V
悬挂比 (Roping): 2 : 1
钢丝绳绕法 (Wrap): 复绕 (Double)
额定载重量 (Capacity): 800kg ~ 2000kg
轿厢速度 (Speed): 1.0m/s ~ 4.0m/s
防护等级 (Protection Grade): IP41
绝缘等级 (Ins. Class): F
曳引机极数 (Traction machine pole): 30
启动频次 (次/小时, Stars per hour): 240
工作制 (Rating): S5~40%

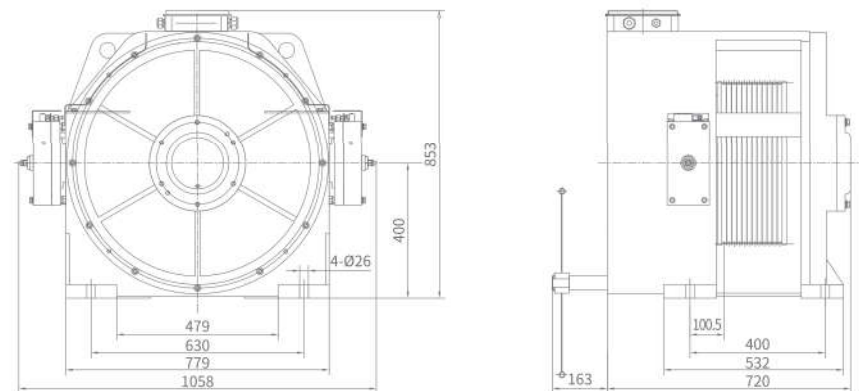
制动器技术参数 (Parameter of Brake)

型号 (Model): BLB
绝缘等级 (Ins. Class): F
额定电压 (Voltage): DC110V
额定电流 (Current): 1.98A



特点 (Features)

- 双支撑结构设计，结构可靠，轴负荷大，高速度；
- 高效率，高转矩密度；
- 空载反电势谐波含量小，振动小，运行平稳；
- 主机散热效果好，温升低；
- 采用 BLB 块式制动器，结构简单，制动安全可靠。
- Double support design, reliable mechanical structure with high shaft load and high speed;
- High torque density with high efficiency;
- Optimized design for winding, lower harmonics, lower noise, low vibration, smooth running;
- Advanced heat dissipation design, low temperature rise;
- Use block type armless brake, simple structure with fast response time and high reliability.



外观尺寸图 | Outline drawing

WYT-J 复绕款 | WYT-J Double Wrap Version

推荐提升高度 (Height): ≤180m

能效等级 (Energy Efficiency Class): 2

系列 Series	规格 Type	载重 Capacity (kg)	转速 Speed (r/min)	曳引轮直径 Sheave (mm)	槽数 Num	绳径 (mm)	绳间距 Pitch (mm)	额定电流 Current (A)	额定转速 Motor Speed (r/min)	额定频率 Frequency (Hz)	额定功率 Power (kW)	额定转矩 Torque (Nm)	最大轴负荷 Shaft Load (kg)	主机重量 Weight (kg)
WYT-J	1.0A2	800	1.0	φ480	8	φ10	14	14	60	20	5.7	682	14000	~1200
	1.6A2		1.6					20.8	127	31.8	9.1			
	1.75A2		1.75					22.9	139	34.8	9.9			
	2.0A2		2.0					25.5	159	39.8	11.4			
	2.5A2		2.5					31.5	199	49.7	14.2			
	3.0A2		3.0					37.3	239	59.8	17.1			
	4.0A2	4.0	49.1	318	79.5	22.7	810							
	1.0B2	1.0	16.1	80	20	6.8								
	1.6B2	1.6	24.5	127	31.8	10.8								
	1.75B2	1.75	26.3	139	34.8	11.8								
	2.0B2	2.0	29.6	159	39.8	13.5								
	2.5B2	2.5	37.5	199	49.7	16.9								
	3.0B2	3.0	44.4	239	59.8	20.3								
	4.0B2	4.0	58.6	318	79.5	27.0								
	1.0C2	1.0	22.4	80	20	8.5		1020						
	1.6C2	1.6	33.6	127	31.8	13.6								
	1.75C2	1.75	36.5	139	34.8	14.8								
	2.0C2	2.0	41.5	159	39.8	17								
	2.5C2	2.5	51.4	199	49.7	21.3								
	3.0C2	3.0	60.3	239	59.8	25.5								
	4.0C2	4.0	79.5	318	79.5	34								
	1.0D2	1.0	25	80	20	9.5								
	1.6D2	1.6	37.6	127	31.8	15.2								
	1.75D2	1.75	40.8	139	34.8	16.6								
	2.0D2	2.0	46.4	159	39.8	19	1140							
	2.5D2	2.5	57.4	199	49.7	23.8								
	3.0D2	3.0	67.4	239	59.8	28.5								
	4.0D2	4.0	89	318	79.5	38								
	1.0E2	1.0	27	80	20	11.1								
	1.6E2	1.6	41	127	31.8	17.7								
	1.75E2	1.75	45.8	139	34.8	19.4								
	2.0E2	2.0	51	159	39.8	22.2								
	2.5E2	2.5	63.8	199	49.7	27.7								
	3.0E2	3.0	74.6	239	59.8	33.3								
	4.0E2	4.0	99.6	318	79.5	44.3		1330						
	1.0F2	1.0	29.7	80	20	12.5								
	1.6F2	1.6	45.8	127	31.8	19.8								
	1.75F2	1.75	49.6	139	34.8	21.7								
	2.0F2	2.0	55.8	159	39.8	24.8								
	2.5F2	2.5	71.5	199	49.7	31								
	3.0F2	3.0	85.2	239	59.8	37.3								
	4.0F2	4.0	112	318	79.5	49.6								
	1.0G2	1.0	34	80	20	13.8								
	1.6G2	1.6	53	127	31.8	22								
	1.75G2	1.75	54.9	139	34.8	24								
	2.0G2	2.0	63.5	159	39.8	27.5								
	2.5G2	2.5	80	199	49.7	34.4								
	3.0G2	3.0	92	239	59.8	41.3								
	4.0G2	4.0	115	318	79.5	54.9								

WYT-H 超高速款

WYT-H Ultra-high Speed Version

WYT-H系列主机是我公司推出的高性能大转矩超高速无齿轮永磁同步曳引机, 适合超高层建筑电梯使用。经过不断的电磁及机械结构的优化, 主机性能达到国际先进水平。

WYT-H series ultra-high speed PM gearless traction machine is developed by BlueLight in 2012 to target skyscrapers with ultra-high speed elevator (up to 8m/s).

主机技术参数 (Parameter of Traction Machine)

额定电压 (Voltage): AC380V
 悬挂比 (Roping): 1:1
 钢丝绳绕法 (Wrap): 复绕 (Double)
 额定载重量 (Capacity): 1600kg
 轿厢速度 (Speed): 5m/s ~ 8m/s
 防护等级 (Protection Grade): IP41
 绝缘等级 (Ins. Class): H
 曳引机极数 (Traction machine pole): 30
 启动频次 (次/小时, Stars per hour): 240
 工作制 (Rating): S5-40%

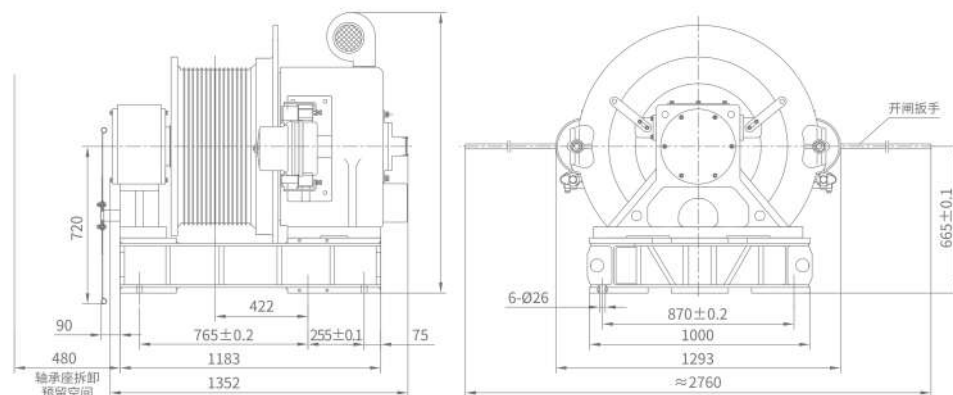


特点 (Features)

- 超大轴负荷设计, 超高速设计;
- 优化的绕组使曳引机振动小, 噪音低, 损耗分布合理, 精细的风冷散热设计, 温升低;
- 原装进口碟刹制动器, 制动系统安全可靠。
- Extra high shaft load design, suitable for ultra-high speed operation;
- Optimized winding design, less harmonic content, loss distribution optimization, fan cooling system with low temperature rise;
- Use SUNTES disk brake system, high reliability.

制动器技术参数 (Parameter of Brake)

型号 (Model): EC-4026EF-100
 绝缘等级 (Ins. Class): F
 额定电压 (Voltage): DC90V/40V
 额定电流 (Current): 4.7/2.1A



外观尺寸图 | Outline drawing

WYT-H 超高速款 | WYT-H Ultra-high Speed Version

推荐提升高度 (Height): ≤360m
 能效等级 (Energy Efficiency Class): 1

系列 Series	规格 Type	载重 Capacity (kg)	轿厢速度 Speed (m/s)	曳引轮直径 Sheave (mm)	槽数 Num	绳径 (mm)	绳间距 Pitch (mm)	额定电流 Current (A)	额定转速 Motor Speed (rpm)	额定频率 Frequency (Hz)	额定功率 Power (kW)	额定转矩 Torque (Nm)	最大轴负荷 Shaft Load (kg)	主机重量 Weight (kg)
WYT-H	5.0E1	1600	5.0	φ710	16	φ16	20	111.4	134	33.6	51	3626	35000	~3500
	6.0E1		6.0					135.3	161	40.3	61.2			
	7.0E1		7.0					158	188	47.1	71.5			
	8.0E1		8.0					172.7	215	53.8	81.7			

大载重(1:1)系列 WYT-V / V1S HEAVY LOAD SERIES

WYT-V 系列是我公司新推出的大载重高速高性能无齿轮永磁同步曳引机，针对高层大载重厂房用梯特点采用双支撑结构，结构更合理可靠，性能更优异，具有国际领先水平。

WYT-V series PMS machine is developed for high rise factory plant cargo lift, it uses latest Permanent magnetic motor technology, optimised electromagnetic & mechanical design with excellent operation performance.

WYT-V

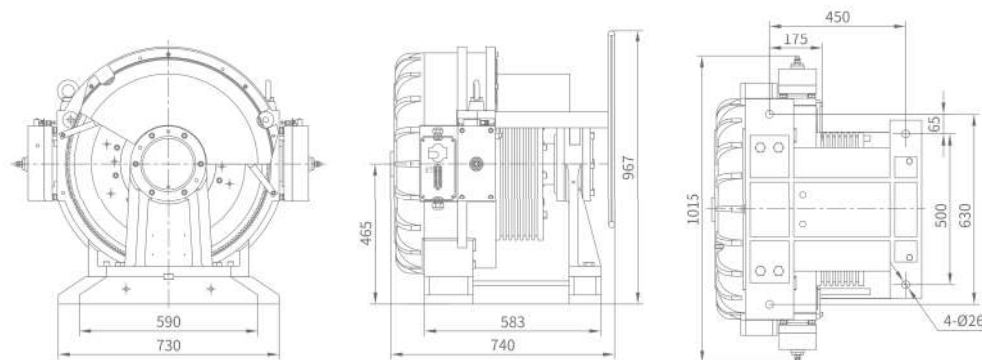


主机技术参数 (Parameter of Traction Machine)

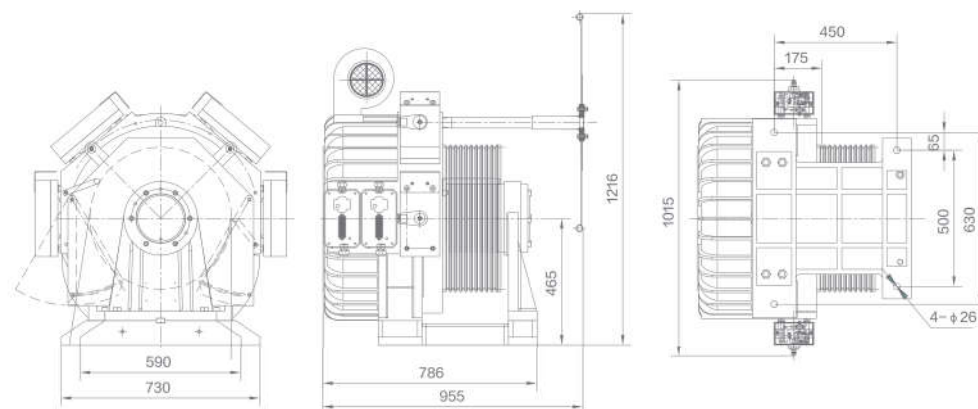
额定电压 (Voltage): AC380V
悬挂比 (Roping): 1:1
钢丝绳绕法 (Wrap): 单绕 (Single)
额定载重量 (Capacity): 1000kg ~ 2500kg
轿厢速度 (Speed): 1.0m/s ~ 4.0m/s
防护等级 (Protection Grade): IP41
绝缘等级 (Ins. Class): F
曳引机极数 (Traction machine pole): 30
启动频次 (次/小时, Stars per hour): 240
工作制 (Rating): S5~40%

制动器技术参数 (Parameter of Brake)

型号 (Model): BLB
绝缘等级 (Ins. Class): F
额定电压 (Voltage): DC110V
额定电流 (Current): 1.98A



1000kg ~ 1600kg 外观尺寸图 | Outline drawing



2000kg ~ 2500kg 外观尺寸图 | Outline drawing

标准系列
WYT-E
WYT-M
WYT-B
WYT-F
WYT-D
WYT-B

静音系列
WYT-L

扶梯系列
WYT-D
WYT-B
WYT-F
WYT-V

高速系列
WYT-J
WYT-A

大载重系列
WYT-V
WYT-V1S

导轨安装系列
WYT-A

钢带系列
WYT-K
WYT-P

绳槽参数

WYT-V 大载重 (1:1) \ WYT-V Heavy Load (1:1)

推荐提升高度 (Height): ≤120m

能效等级 (Energy Efficiency Class): 2

系列 Series	规格 Type	载重 Capacity (kg)	提升速度 Speed (m/s)	曳引轮直径 Sheave (mm)	槽数 Num	绳径 (mm)	绳间距 Pitch (mm)	额定电流 Current (A)	额定转速 Motor Speed (rpm)	额定频率 Frequency (Hz)	额定功率 Power (kW)	额定转矩 Torque (Nm)	能效等级 Energy Efficiency Grade	最大轴负荷 Shaft Load (kg)	主机重量 Weight (kg)
WYT-V	1.0D480	1000	1.0	φ480	10	φ10	16	14.8	40	9.95	6.6	1570			
	1.5D480		1.5					21.8	60	15	9.9				
	1.75D480		1.75					25.3	70	17.5	11.5				
	2.0D480		2.0					28.7	80	19.9	13.1				
	2.5D480		2.5					37	100	25	16.4				
	3.0D480		3.0					44.2	119	29.8	19.6				
	4.0D480	1000	4.0	φ500	7	φ12	19	59	159	39.8	26.1	1640			
	1.0D500		1.0					14.8	38	9.5	6.6				
	1.5D500		1.5					21.8	57	14.3	9.9				
	1.75D500		1.75					25.3	67	16.7	11.5				
	2.0D500		2.0					28.7	76	19	13.1				
	2.5D500		2.5					37	96	24	16.4				
	3.0D500	1150	3.0	φ480	10	φ10	16	44.2	115	28.7	19.7	1800			
	4.0D500		4.0					59	153	38.2	26.3				
	1.0E480		1.0					17	40	9.95	7.5				
	1.5E480		1.5					25.2	60	15	11.3				
	1.75E480		1.75					29.4	70	17.5	13.2				
	2.0E480		2.0					33.3	80	19.9	15				
	2.5E480	1150	2.5	φ500	7	φ12	19	41.8	100	25	18.8	1880			
	3.0E480		3.0					50	119	29.8	22.4				
	4.0E480		4.0					66.7	159	39.8	30				
	1.0E500		1.0					17	38	9.5	7.5				
	1.5E500		1.5					25.2	57	14.3	11.3				
	1.75E500		1.75					29.4	67	16.7	13.2				
	2.0E500	1250	2.0	φ480	10	φ10	16	33.3	76	19	15	1940			
	2.5E500		2.5					41.8	96	24	18.8				
	3.0E500		3.0					50	115	28.7	22.6				
	4.0E500		4.0					66.7	153	38.2	30.1				
	1.0F480		1.0					19	40	9.95	8				
	1.5F480	1250	1.5	φ500	7	φ12	19	27.8	57	14.3	12.1	2020			
	1.75F480		1.75					32	67	16.7	14.2				
	2.0F480		2.0					36.6	80	19.9	16.1				
	2.5F480		2.5					45.5	100	25	20.3				
	3.0F480		3.0					54.8	119	29.8	24.2				
	4.0F480	1250	4.0					73	159	39.8	32.3				
	1.0F500		1.0					19	38	9.5	8				
	1.5F500		1.5					27.8	57	14.3	12.1				
	1.75F500		1.75					32	67	16.7	14.2				
	2.0F500		2.0					36.6	76	19	16.1				
	2.5F500	1250	2.5	φ500	7	φ12	19	45.5	96	24	20.3				
	3.0F500		3.0					54.8	115	28.7	24.3				
	4.0F500		4.0					73	153	38.2	32.4				
	4.0F500		4.0					73	153	38.2	32.4				

系列 Series	规格 Type	载重 Capacity (kg)	提升速度 Speed (m/s)	曳引轮直径 Sheave (mm)	槽数 Num	绳径 (mm)	绳间距 Pitch (mm)	额定电流 Current (A)	额定转速 Motor Speed (rpm)	额定频率 Frequency (Hz)	额定功率 Power (kW)	额定转矩 Torque (Nm)	能效等级 Energy Efficiency Grade	最大轴负荷 Shaft Load (kg)	主机重量 Weight (kg)
WYT-V	1.0G480	1350	1.0	φ480	10	φ10	16	20.3	40	9.95	8.6	2060	2	10000	~1100
	1.5G480		1.5					29.6	60	15	12.9				
	1.75G480		1.75					34	70	17.5	15.1				
	2.0G480		2.0					39	80	19.9	17.3				
	2.5G480		2.5					48.5	100	25	21.6				
	3.0G480		3.0					58.3	119	29.8	25.7				
	4.0G480	4.0	77.6	159	39.8	34.3	2150								
	1.0G500	1.0	20.3	38	9.5	8.6									
	1.5G500	1.5	29.6	57	14.3	12.8									
	1.75G500	1.75	34	67	16.7	15.1									
	2.0G500	2.0	39	76	19	17.1									
	2.5G500	2.5	48.5	96	24	21.6									
	3.0G500	3.0	58.3	115	28.7	25.9	2440								
	4.0G500	4.0	77.6	153	38.2	34.4									
	1.0H480	1.0	24.3	40	9.95	10.2									
	1.5H480	1.5	34.9	60	15	15.3									
	1.75H480	1.75	40.8	70	17.5	17.9									
	2.0H480	2.0	46.5	80	19.9	20.4									
	2.5H480	2.5	58.0	100	25	25.5	3120								
	3.0H480	3.0	68.3	119	29.8	30.4									
	4.0H480	4.0	91.6	159	39.8	40.6									
	1.0J480	1.0	27.5	40	9.95	13.1									
	1.5J480	1.5	41.2	60	15	19.6									
	1.75J480	1.75	48	70	17.5	22.9									
	2.0J480	2.0	54.6	80	19.9	26.1	3380								
	2.5J480	2.5	68.3	100	25	32.7									
	3.0J480	3.0	81.8	119	29.8	38.9									
	4.0J480	4.0	109	159	39.8	51.9									
	1.0J520	1.0	27.5	40	37.0	13.1									
	1.5J520	1.5	41.2	60	55	19.5									
	1.75J520	1.75	48	70	64.0	22.7	3900								
	2.0J520	2.0	54.6	80	73.0	25.8									
	2.5J520	2.5	68.3	100	92	32.6									
	3.0J520	3.0	81.8	119	110.0	38.9									
	4.0J520	4.0	109	159	147.0	52									
1.0K480	1.0	34.7	40	9.95	16.3										
1.5K480	1.5	51.8	60	15	24.5	4225									
1.75K480	1.75	60.4	70	17.5	28.6										
2.0K480	2.0	67.5	80	19.9	32.7										
2.5K480	2.5	85.2	100	25	40.8										
3.0K480	3.0	102	119	29.8	48.6										
4.0K480	4.0	136	159	39.8	64.9										
1.0K520	1.0	34.7	40	37.0	16.4	4225									
1.5K520	1.5	51.8	60	55	24.3										
1.75K520	1.75	60.4	70	64.0	28.3										
2.0K520	2.0	67.5	80	73.0	32.3										
2.5K520	2.5	85.2	100	92	40.7										
3.0K520	3.0	102	119	110.0	48.7										
4.0K520	4.0	136	159	147.0	65										

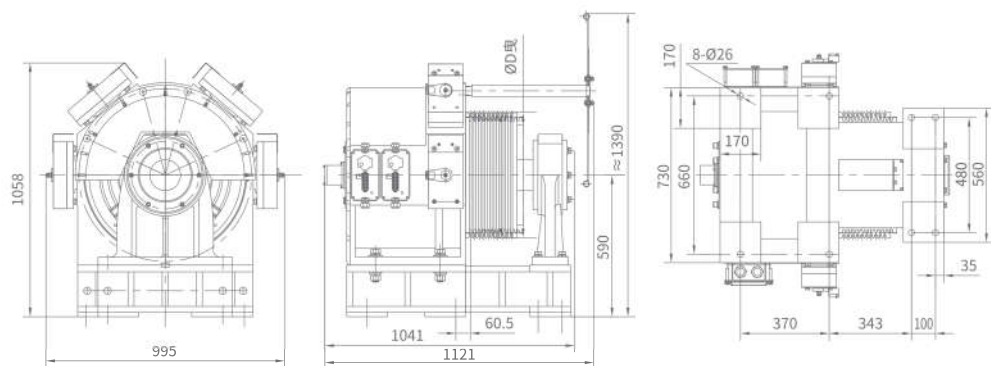
WYT-V1S

主机技术参数 (Parameter of Traction Machine)

额定电压 (Voltage): AC380V
 悬挂比 (Suspension): 1:1
 钢丝绳绕法 (Rope): 单绕 (Single)
 额定载重量 (Capacity): 1500kg ~ 2500kg
 轿厢速度 (Speed): 1.0m/s ~ 4.0m/s
 防护等级 (Prot. Class): IP41
 绝缘等级 (Ins. Class): F
 曳引机极数 (Traction machine pole): 30
 启动频次 (次/小时, Stars per hour): 240
 工作制 (Rating): S5~40%

特点 (Features)

- 双支撑结构, 结构更合理可靠, 性能更优异;
- 高负荷, 高效率, 高转矩密度;
- 主机运行平稳, 振动小;
- 主机散热良好, 温升低。



外观尺寸图 | Outline drawing

制动器技术参数 (Parameter of Brake)

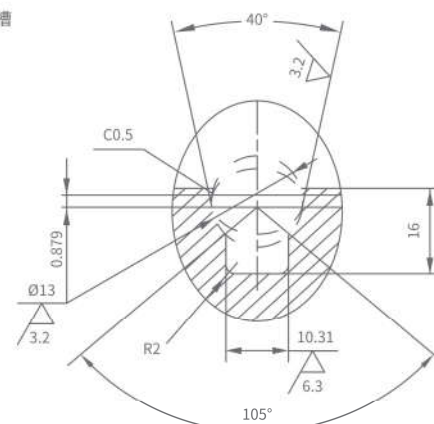
型号 (Model): BLB 绝缘等级 (Ins.Class): F 额定电压 (Voltage): DC110V
 额定电流 (Current): 1.98A

WYT-V1S 大载重 (1:1) \ WYT-V1S Heavy Load (1:1)

推荐提升高度 (Height): ≤120m 能效等级 (Energy Efficiency Class): 2

系列 Series	规格 Type	载重 Capacity (kg)	轿厢速度 Speed (m/s)	曳引轮直径 Sheave (mm)	槽数 Num	绳径 (mm)	绳间距 Pitch (mm)	额定电压 Current (A)	额定转速 Motor Speed (rpm)	额定频率 Frequency (Hz)	额定功率 Power (kW)	额定转矩 Torque (Nm)	最大轴负荷 Shaft Load (kg)	主机重量 Weight (kg)
WYT-V1S	C1.00E	1500	1.0	φ 480	12	φ 12	18	22.8	40	9.95	9.6	2286	15000	~2500
	C1.75DE		1.75					38.2	70	17.5	16.8			
	C2.00E		2.0					43.6	80	19.9	19.2			
	C3.00E		3.0					64	119	29.8	28.5			
	C4.00E		4.0					85.8	159	39.8	38.1			
	C1.0DEL		1.0	φ 520	10	φ 13	19	22.8	37	9.3	9.6	2476		
	C1.75DEL		1.75					38.2	64	16	16.6			
	C2.0DEL		2.0					43.6	73	18.3	18.9			
	C3.0DEL		3.0					64	110	27.5	28.5			
	C4.0DEL		4.0					85.8	147	36.7	38.1			
	C1.0F	2000	1.0	φ 480	12	φ 12	18	27.5	40	9.95	13.1	3120		
	C1.75F		1.75					48.0	70	17.5	22.9			
	C2.0F		2.0					54.6	80	19.9	26.1			
	C3.0F		3.0					81.8	119	29.8	38.9			
	C4.0F		4.0					109.0	159	39.8	51.9			
	C1.0FL		1.0	φ 520	10	φ 13	19	27.5	37	9.3	13.1	3380		
	C1.75FL		1.75					48.0	64	16	22.7			
	C2.0FL		2.0					54.6	73	18.3	25.8			
	C3.0FL		3.0					81.8	110	27.5	38.9			
	C4.0FL		4.0					109.0	147	36.7	52.0			
	C1.0G	2500	1.0	φ 480	12	φ 12	18	34.7	40	9.95	16.3	3900		
	C1.75G		1.75					60.4	70	17.5	28.6			
	C2.0G		2.0					67.5	80	19.9	32.7			
	C3.0G		3.0					102.0	119	29.8	48.6			
C4.0G	4.0		136.0					159	39.8	64.9				
C1.0GL	1.0		φ 520	10	φ 13	19	34.7	37	9.3	16.4	4225			
C1.75GL	1.75						60.4	64	16	28.3				
C2.0GL	2.0						67.5	73	18.3	32.3				
C3.0GL	3.0						102.0	110	27.5	48.7				
C4.0GL	4.0						136.0	147	36.7	65.0				

此系列主机推荐槽型: 单绕V型槽
 Recommended single groove V

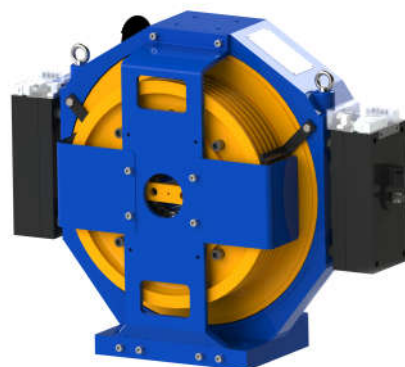


外观尺寸图 | Outline drawing

导轨安装系列 WYT-R RAIL MOUNT SERIES

WYT-R 导轨安装轻载款

WYT-R Rail Mount Light Duty



WYT-R 系列产品是我司 2023 年研发的新一代外转子结构的永磁同步曳引机，尤其适用于无机房轨道安装。

WYT-R series products are the new generation outer rotor structure PM gearless traction machine developed by BlueLight in 2023. It is suitable for rail mount application.

主机技术参数 (Parameter of Traction Machine)

额定电压 (Voltage): AC380V
悬挂比 (Suspension): 2 : 1
钢丝绳绕法 (Rope): 单绕 (Single)
额定载重量 (Capacity): 450kg ~ 800kg
轿厢速度 (Speed): 1.0m/s ~ 2.0m/s
防护等级 (Prot. Class): IP41
绝缘等级 (Ins. Class): F
曳引机极数 (Traction machine pole): 30
启动频次 (次 / 小时, Stars per hour): 240
工作制 (Rating): S5~40%

制动器技术参数 (Parameter of Brake)

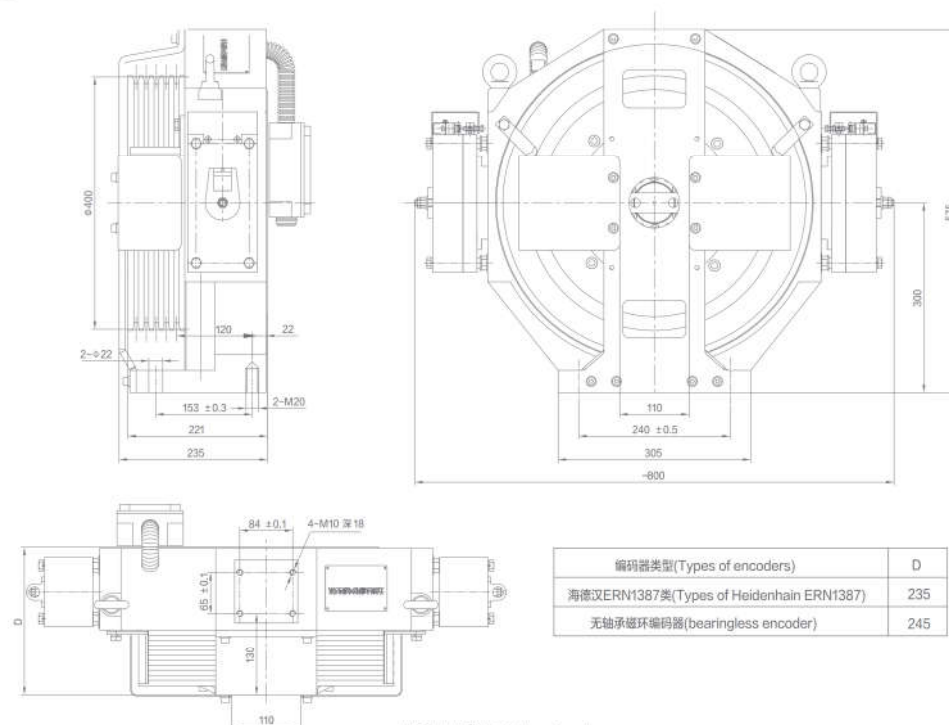
型号 (Model): BLB
绝缘等级 (Ins. Class): F
额定电流 (Current):

特点 (Features)

- 针对轨道安装方式进行特殊设计;
- 散热效果好, 效率高;
- 电磁结构优化, 低速运行平稳, 过载能力强;
- 采用无闸臂块式制动器, 响应快, 可靠性高。
- Special design for rail mount.
- Further improves heat dissipation.
- The outer rotor structure improves electromagnetic structure, result smooth low speed running and high overload capacity.
- Use block type armless brake, it has fast response time & high reliability.

额定电压 (Voltage): DC110V

载重(kg) Capacity	额定电流 Current
450kg ~ 630kg	1.1A
800kg	1.3A



外观尺寸图 | Outline drawing

编码器类型 (Types of encoders)	D
海德汉ERN1387类 (Types of Heidenhain ERN1387)	235
无轴承磁环编码器 (bearingless encoder)	245

WYT-R 导轨安装系列节能款 | WYT-RCN Energy Conservation

推荐提升高度 (Height): ≤80m

能效等级 (Energy Efficiency Class): 3

系列 Series	规格 Type	载重 Capacity (kg)	轿厢速度 Speed (m/s)	曳引轮直径 Sheave (mm)	槽数 Num	绳径 (mm)	绳间距 Pitch (mm)	额定电流 Current (A)	额定转速 Motor Speed (rpm)	额定频率 Frequency (Hz)	额定功率 Power (kW)	额定转矩 Torque (Nm)	最大轴负载 Shaft Load (kg)	主机重量 Weight (kg)
WYT-R	CN1.0AM	450	1.0	φ400	4	φ10	16	7.7	96	24	3.2	320	2500	300
	CN1.5AM		1.5					11.3	144	36	4.8			
	CN1.6AM		1.6					11.6	153	38.3	5.1			
	CN1.75AM		1.75					12.4	168	42	5.6			
	CN1.0BM	630	1.0	φ400	4	φ10	16	10.4	96	24	4.6	460		
	CN1.5BM		1.5					16.7	144	36	6.9			
	CN1.6BM		1.6					17.1	153	38.3	7.4			
	CN1.75BM		1.75					17.8	168	42	8.1			
	CN1.0CM	800	1.0	φ400	5	φ10	16	12	96	24	5.2	520		
	CN1.5CM		1.5					20.0	144	36	7.8			
	CN1.6CM		1.6					20.4	153	38.3	8.3			
	CN1.75CM		1.75					20.7	168	42	9.1			

导轨安装系列 WYT-R

RAIL MOUNT SERIES

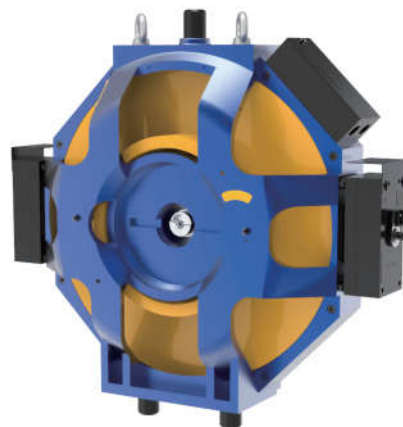
WYT-R 导轨安装标准款

WYT-R Rail Mount Standard Version



WYT-R 系列产品是我司 2023 年研发的新一代外转子结构的永磁同步曳引机，尤其适用于无机房轨道安装。

WYT-R series products are the new generation outer rotor structure PM gearless traction machine developed by BlueLight in 2023. It is suitable for rail mount application.



主机技术参数 (Parameter of Traction Machine)

额定电压 (Voltage): AC380V
 悬挂比 (Suspension): 2 : 1
 钢丝绳绕法 (Rope): 单绕 (Single)
 额定载重量 (Capacity): 800kg~1150kg
 轿厢速度 (Speed): 1.0m/s ~ 2.0m/s
 防护等级 (Prot. Class): IP41
 绝缘等级 (Ins. Class): F
 曳引机极数 (Traction machine pole): 30
 启动频次 (次/小时, Stars per hour): 240
 工作制 (Rating): S5~40%

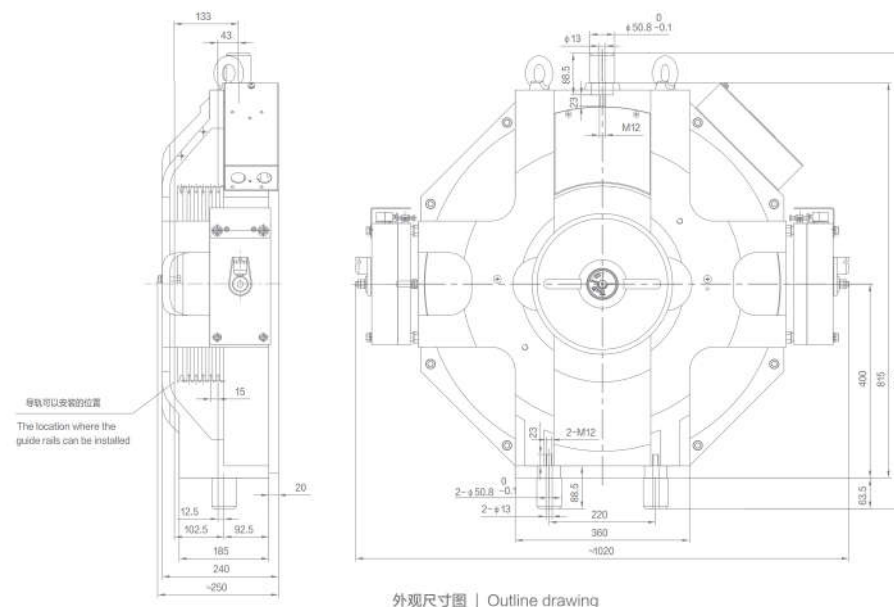
制动器技术参数 (Parameter of Brake)

型号 (Model): BLB 绝缘等级 (Ins. Class): F
 额定电流 (Current): 1.3A

特点 (Features)

- 针对轨道安装方式进行特殊设计;
- 散热效果好, 效率高;
- 电磁结构优化, 低速运行平稳, 过载能力强;
- 采用无闸臂块式制动器, 响应快, 可靠性高。
- Special design for rail mount.
- Further improves heat dissipation.
- The outer rotor structure improves electromagnetic structure, result smooth low speed running and high overload capacity.
- Use block type armless brake, it has fast response time & high reliability.

额定电压 (Voltage): DC110V



外观尺寸图 | Outline drawing

WYT-R 导轨安装系列 \ WYT-R Rail Mount Series

推荐提升高度 (Height): $\leq 90m$

能效等级 (Energy Efficiency Class): 3

系列 Series	结构 Type	容量 Capacity (kg)	轿厢速度 Speed (m/s)	曳引轮直径 Sheave (mm)	绳数 Num	绳径 (mm)	绳距 Pitch (mm)	额定电流 Current (A)	额定转速 Motor Speed (rpm)	额定频率 Frequency (Hz)	额定功率 Power (kW)	额定转矩 Torque (Nm)	额定负载 Shaft Load (kg)	主机重量 Weight (kg)
WYT-R	CN1.0CL	800	1.0	$\phi 480$	5	$\phi 10$	15	11.2	80	19.9	5.1	605	4000	~450
	CN1.5CL		1.5					20.4	119	29.8	8.3	665		
	CN1.6CL		1.6					21.2	139	34.8	9.7	665		
	CN1.75CL		1.75					24	159	39.8	11	665		
	CN2.0CL	1000	2.0	$\phi 400$	5	$\phi 10$	15	13.8	96	24	6.1	605		
	CN1.0D		1.0					25	144	36	10	665		
	CN1.5D		1.5					25.5	153	38.3	10.7	665		
	CN1.6D		1.6					26.2	168	42	11.7	665		
	CN1.75D		1.75					29.8	192	48	13.4	665		
	CN2.0D	1000	2.0	$\phi 480$	5	$\phi 10$	15	15.1	80	19.9	6.7	800		
	CN1.0DL		1.0					25	119	29.8	10	800		
	CN1.5DL		1.5					25.2	127	31.8	10.7	800		
	CN1.6DL		1.6					25.6	139	34.8	11.7	800		
	CN1.75DL		1.75					29	159	39.8	13.3	800		
	CN2.0DL	1150	2.0	$\phi 400$	5	$\phi 10$	15	17.2	96	24	7.7	765		
	CN1.0E		1.0					28.3	144	36	11.5	765		
	CN1.5E		1.5					28.7	153	38.3	12.3	765		
	CN1.6E		1.6					29.5	168	42	13.4	765		
	CN1.75E		1.75					33	192	48	15.4	765		
	CN2.0E		2.0											

钢带系列 WYT-K/F BELT MACHINE SERIES

WYT-K 商用梯款

WYT-K Commercial Elevator Version

针对日益增长的钢带电梯市场，蓝光集团开发了 WYT-K 系列钢带曳引机，使用钢带作为传动介质，配合蓝光集团配套开发的 STD 43 系列电梯专用钢带，使电梯舒适感更好，噪音更小。同时曳引机体积小，适合无机房设计，安装维护简单。

Due to increase needs of belt elevator, Bluelight group develop WYT-K series belt drive PMS machine. The belt machine can work with Bluelight belt (STD 43) to achieve best lift comfort level with minimum operation noise. This series machine has small size suitable for MRL design and easy maintenance.

主机技术参数 (Parameter of Traction Machine)

额定电压 (Voltage): AC380V
悬挂比 (Suspension): 2:1
钢丝绳绕法 (Rope): 单绕 (Single)
额定载重量 (Capacity): 630kg ~ 2000kg
轿厢速度 (Speed): 1.0m/s ~ 2.5m/s
防护等级 (Prot. Class): IP41
绝缘等级 (Ins. Class): F
曳引机极数 (Traction machine pole): 10
启动频次 (次/小时, Stars per hour): 240
工作制 (Rating): S5-40%



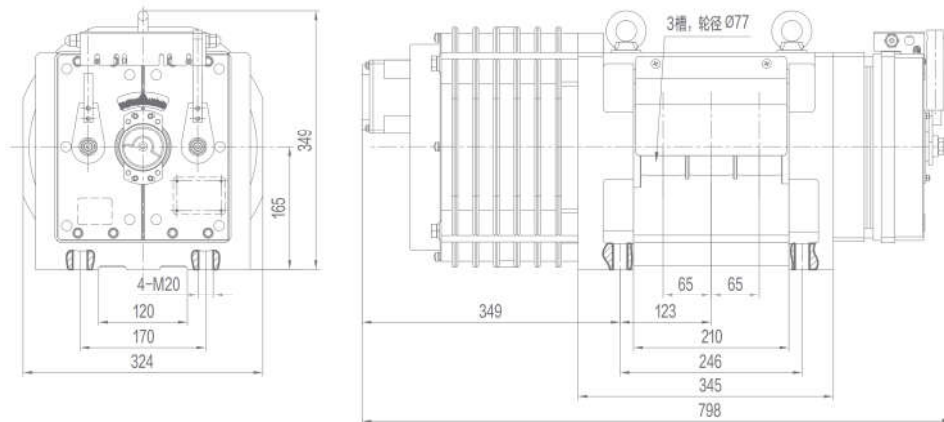
特点 (Features)

- 双支撑结构，结构更合理可靠，性能更优异；
- 主机采用轴刹制动器，结构紧凑，制动噪音低；
- 采用自密封轴承，免维护；
- 电磁结构优化，运行平稳噪音低。
- Double support structure, reliable structure, better performance;
- Configured with shaft brake of low noise and compact structure;
- Use self-sealed bearings, maintenance-free;
- Electromagnetic structure optimization, smooth running and low noise.

制动器技术参数 (Parameter of Brake)

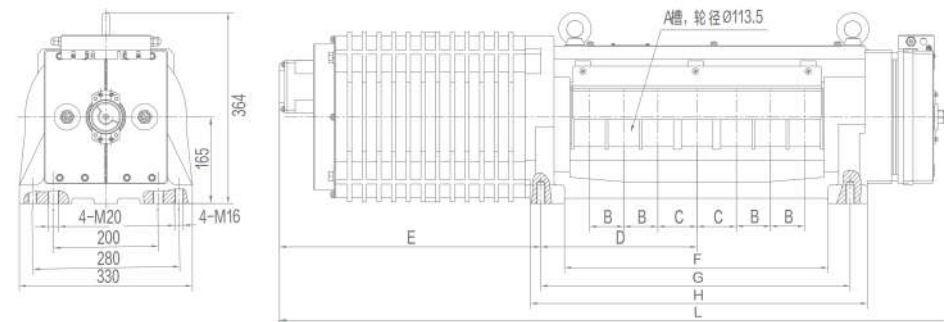
型号 (Model): BLS
绝缘等级 (Ins. Class): F
额定电压 (Voltage): DC110V
额定电流 (Current): 1.5A × 2

WYT-K 系列 (630kg-1000kg) \ WYT-K Series (630kg-1000kg)



630kg~1000kg 外观尺寸图 | Outline drawing

WYT-K 系列 (1150kg-2000kg) \ WYT-K Series (1150kg-2000kg)



载重kg	槽数A	槽间距B	槽间距C	中心距D	E	F	G	H	L
1150-1275	5	65	0	220	398	355	440	545	1037
1350					539				1178
1600-2000	7	65	75	298	499	503	590	643	1284

1150kg~2000kg 外观尺寸图 | Outline drawing

WYT-K 商用梯款

WYT-K Commercial Elevator Version

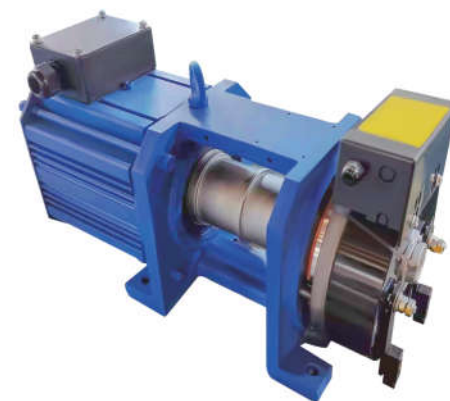
系列 Series	型号 Type	载重 Capacity (kg)	轿厢速度 Speed (m/s)	曳引轮直径 Sheave (mm)	绳数 Num	绳径 (mm)	绳间距 Pitch (mm)	额定电流 Current (A)	额定转速 Motor Speed (rpm)	额定频率 Frequency (Hz)	额定功率 Power (kW)	额定转矩 Torque (Nm)	最大轴负荷 Shaft Load (kg)	主机重量 Weight (kg)	钢带参数 Parameter
WYT-K	N1.0B3	630	1.0	Φ77	3	60	65	9.3	496	41.3	4.2	80			SYLG-EB-43A 43kN
	N1.5B3		1.5					15.6	744	62	6.2				
	N1.6B3		1.6					15.8	794	66.2	6.7				
	N1.75B3		1.75					16	868	72.3	7.3				
	N2.0B3		2.0					18.3	992	82.7	8.3				
	N2.5B3		2.5					22.8	1240	103.3	10.4				
	N1.0C3	800	1.0	Φ77	3	60	65	12.5	496	41.3	5.5	105	3000	~250	
	N1.5C3		1.5					20.2	744	62	6.2				
	N1.6C3		1.6					20.4	794	66.2	6.7				
	N1.75C3		1.75					20.6	868	72.3	9.5				
	N2.0C3		2.0					23.7	992	82.7	10.9				
	N2.5C3		2.5					29.6	1240	103.3	13.6				
	N1.0D3	1000	1.0	Φ77	3	60	65	15.3	496	41.3	6.8	130			
	N1.5D3		1.5					25	744	62	10.1				
	N1.6D3		1.6					25.2	794	66.2	10.8				
	N1.75D3		1.75					25.4	868	72.3	11.8				
	N2.0D3		2.0					29.3	992	82.7	13.5				
	N2.5D3		2.5					36.5	1240	103.3	16.9				
	N1.0E5	1150	1.0	Φ113.5	5	60	65	17.4	337	28.1	7.6	215			
	N1.5E5		1.5					28.8	505	42.1	11.4				
	N1.6E5		1.6					29	538	44.8	12.1				
	N1.75E5		1.75					29.2	589	49.1	13.3				
	N2.0E5		2.0					33.3	673	56.1	15.2				
	N2.5E5		2.5					41.6	841	70.1	18.9				
	N1.0F5	1275	1.0	Φ113.5	5	60	65	19.2	337	28.1	8.5	240	5000	~400	
	N1.5F5		1.5					31.8	505	42.1	12.7				
	N1.6F5		1.6					32	538	44.8	13.5				
	N1.75F5		1.75					32.2	589	49.1	14.8				
	N2.0F5		2					35.5	673	56.1	16.9				
	N2.5F5		2.5					46.3	841	70.1	21.1				
	N1.0G5	1350	1.0	Φ113.5	5	60	65	20.4	337	28.1	9.0	255			
	N1.5G5		1.5					34.2	505	42.1	13.5				
	N1.6G5		1.6					34.4	538	44.8	14.4				
	N1.75G5		1.75					34.6	589	49.1	15.7				
	N2.0G5		2					39.4	673	56.1	18.0				
	N2.5G5		2.5					49.3	841	70.1	22.5				
	N1.0H7	1600	1.0	Φ113.5	7	60	65	24	337	28.1	10.6	300			
	N1.5H7		1.5					40	505	42.1	15.9				
	N1.6H7		1.6					40.2	538	44.8	16.9				
	N1.75H7		1.75					40.4	589	49.1	18.5				
	N2.0H7		2					46	673	56.1	21.1				
	N2.5H7		2.5					57.8	841	70.1	26.4				
	N1.0J7	2000	1.0	Φ113.5	7	60	65	30.0	337	28.1	13.2	375		~450	
	N1.5J7		1.5					50.4	505	42.1	19.8				
	N1.6J7		1.6					50.6	538	44.8	21.1				
	N1.75J7		1.75					50.8	589	49.1	23.1				
	N2.0J7		2					58.0	673	56.1	26.4				
	N2.5J7		2.5					72.4	841	70.1	33.0				

WYT-F 别墅梯款

WYT-F Home Elevator Version

针对日益增长的家庭电梯市场，蓝光集团开发了 WYT-F 系列家庭曳引机，使用钢带作为传动介质，配合蓝光集团配套开发的 STD43 系列电梯专用钢带，使电梯舒适感更好，噪音更小。同时曳引机体积小，适合无机房设计，安装维护简单。

Due to increase needs of home (belt villa) elevator, Bluelight group develop WYT-F series belt drive PMS machine. The belt machine can work with Bluelight belt (STD 43) to achieve best lift comfort level with minimum operation noise. This series machine has small size suitable for MRL design and easy maintenance.



主机技术参数 (Parameter of Traction Machine)

额定电压 (Voltage): AC380V/AC220V

悬挂比 (Roping): 2 : 1

钢丝绳绕法 (Wrap): 单绕 (Single)

额定载重量 (Capacity): 450kg

轮直径 (Wheel Diameter): Φ100

轿厢速度 (Speed): 0.4m/s ~ 1.0m/s

防护等级 (Protection Grade): IP41

绝缘等级 (Ins. Class): F

曳引机极数 (Traction machine pole): 20

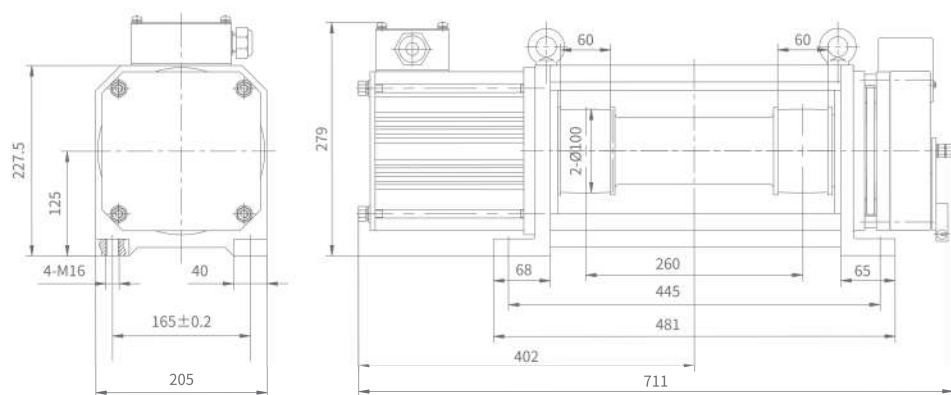
启动频次 (次/小时, Stars per hour): 150

工作制 (Rating): S5~25%

特点 (Features)

- 外壳采用铝合金材质，具有良好的散热性，体积小，重量轻；
- 主机采用轴制制动器，结构紧凑，制动噪音低；
- 采用自密封轴承，免维护；
- 运行平稳，低速性能好。
- Machine is made of aluminum alloy material, with good heat dissipation, small size and light weight;
- Configured with shaft brake of low noise and compact structure;
- Adopt two balance full sealed bears, free maintain;
- Smooth running, excellent performance at low speed.

WYT-F 系列 (2 轮分列式) \ WYT-F Series (2-Wheel Separated)



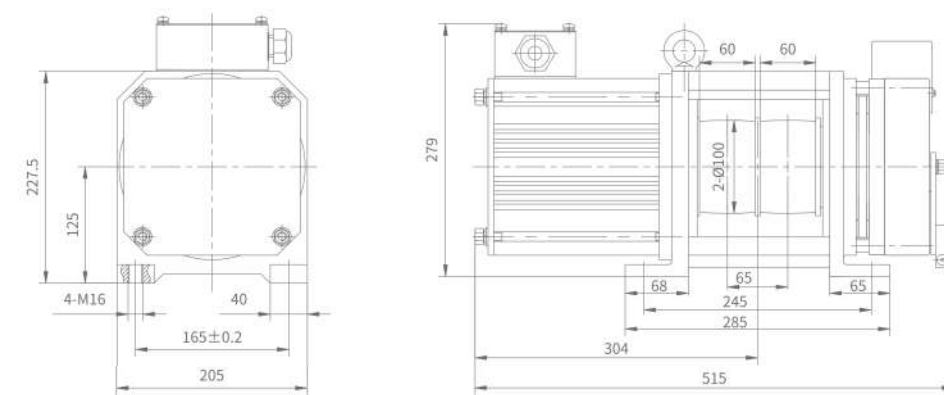
外观尺寸图 | Outline drawing

技术参数 (Technical parameters)

推荐提升高度 (Height): ≤20m

系列 Series	规格 Type	载重 Capacity (kg)	轿厢速度 Speed (m/s)	曳引轮直径 Sheave (mm)	绳数 Num	槽宽 Width (mm)	绳间距 Pitch (mm)	额定电压 Voltage (V)	额定电流 Current (A)	额定转速 Motor Speed (rpm)	额定频率 Frequency (Hz)	额定功率 Power (kW)	额定转矩 Torque (Nm)	最大轴负荷 Shaft Load (kg)	主机重量 Weight (kg)
WYT-F	E2V0.4B 100/260	450	0.4	Φ100	2	60	260	380	3.3	153	25.5	1.1	70	2000	~100
								220	5.7						
	E2V1.0B 100/260		1.0					380	6.4	382	63.7	2.8			
								220	11						

WYT-F 系列 (2 轮并列式) \ WYT-F Series (2-Wheel Paralle)



外观尺寸图 | Outline drawing

技术参数 (Technical parameters)

推荐提升高度 (Height): ≤20m

系列 Series	规格 Type	载重 Capacity (kg)	轿厢速度 Speed (m/s)	曳引轮直径 Sheave (mm)	绳数 Num	槽宽 Width (mm)	绳间距 Pitch (mm)	额定电压 Voltage (V)	额定电流 Current (A)	额定转速 Motor Speed (rpm)	额定频率 Frequency (Hz)	额定功率 Power (kW)	额定转矩 Torque (Nm)	最大轴负荷 Shaft Load (kg)	主机重量 Weight (kg)
WYT-F	E2V0.4B 100/65	450	0.4	φ100	2	60	65	380	3.3	153	25.5	1.1	70	2000	~90
								220	5.7						
	E2V1.0B 100/65	450	1.0					380	6.4	382	63.7	2.8			
								220	11						

钢带配件—钢带 BELT

钢带技术参数 (Parameter)

型号 (Model): SYLG-EB-43A

宽度 (Width): 30 mm

厚度 (Thickness): 3.3 mm

钢带破断拉力 (Breaking Force): 43 kN

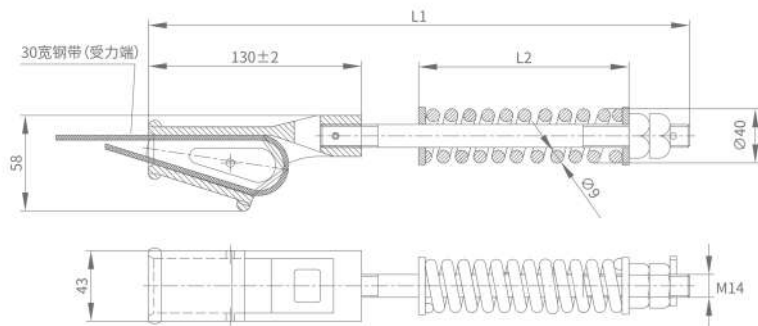
钢丝绳直径 (WireRope Diameter): $\phi 1.98$ mm

钢丝绳根数 (Rope Number): 10 根

外层包覆 (Outer Cover): 热塑性聚氨酯 (Thermoplastic Polyurethane)



钢带配件—钢带绳头组合 SHACKLES



外观尺寸图 | Outline drawing

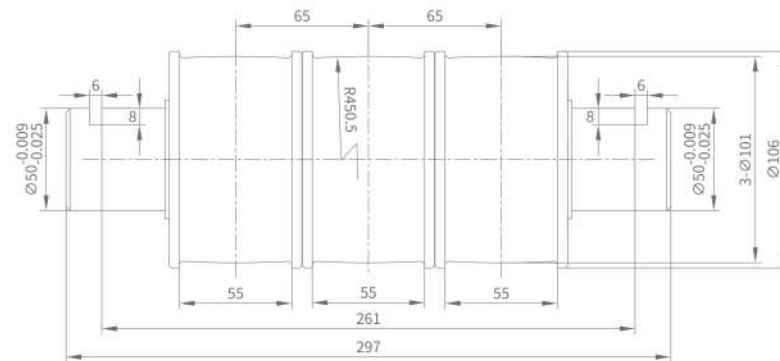
钢带绳头组合参数 (Parameter of Shackles)

型号 Model	适配牵引带宽度 Suitable traction belt width	最大提升高度 Max lifting height	L1 (mm)	L2 (mm)	备注 Note
GD-ST-30-12A	30mm	$H \leq 12m$	240	20	别墅梯 / 胶墩款
GD-ST-30-12B	30mm	$H \leq 12m$	330	107	别墅梯
GD-ST-30-12	30mm	$H \leq 12m$	393	107	客 / 别墅梯
GD-ST-30-20	30mm	$12m \leq H \leq 20m$	418	107	客 / 货梯
GD-ST-30-50	30mm	$20m \leq H \leq 50m$	460	204	客 / 货梯
GD-ST-30-80	30mm	$50m \leq H \leq 80m$	518	204	客 / 货梯

钢带配件—导向轮组件 WHEEL ASSEMBLY

WYT-K 630kg-1000kg 用导向轮组件 | WYT-K 630kg-1000kg Wheel Assembly

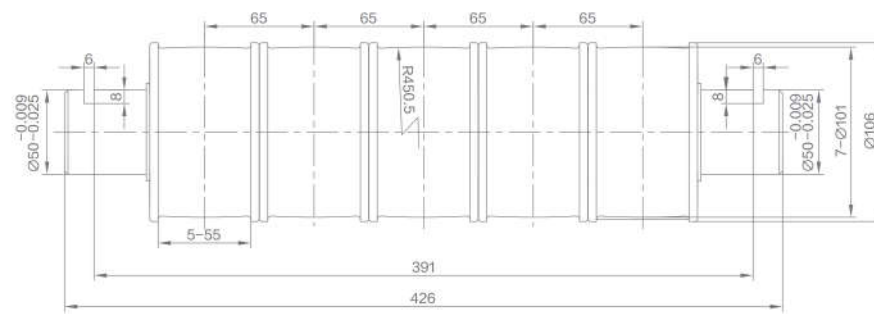
型号 (Model): ZLF 106/55-3-6210-297



外观尺寸图 | Outline drawing

WYT-K 1150kg-1350kg 用导向轮组件 | WYT-K 1150kg-1350kg Wheel Assembly

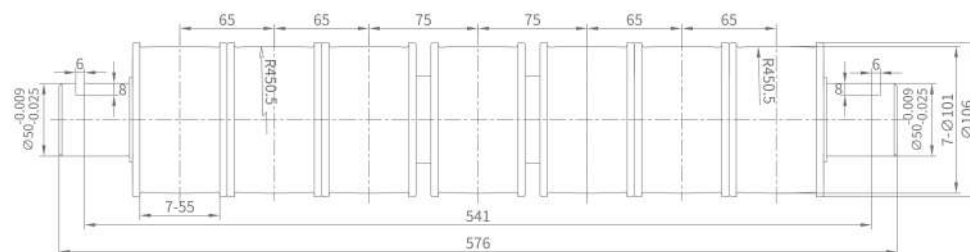
型号 (Model): ZLF 106/55-5-6210-426



外观尺寸图 | Outline drawing

WYT-K 1600kg-2000kg 用导向轮组件 | WYT-K 1600kg-2000kg Wheel Assembly

型号 (Model): ZLF 106/55-7-6210-576

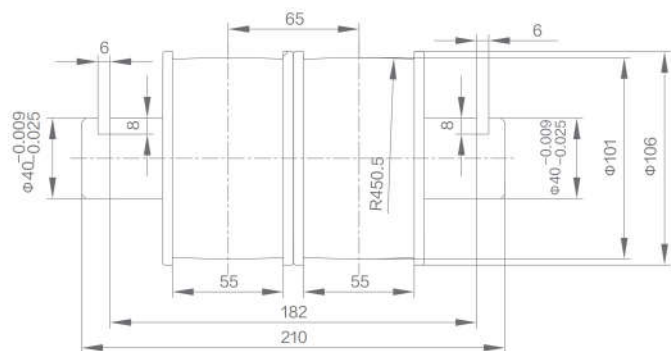


外观尺寸图 | Outline drawing

WYT-F 2轮并列式钢带导向轮组件

WYT-F 2-Wheel Parallel Steel Belt Guide Wheel Assembly

型号 (Model): ZL106/55-2-6208-210

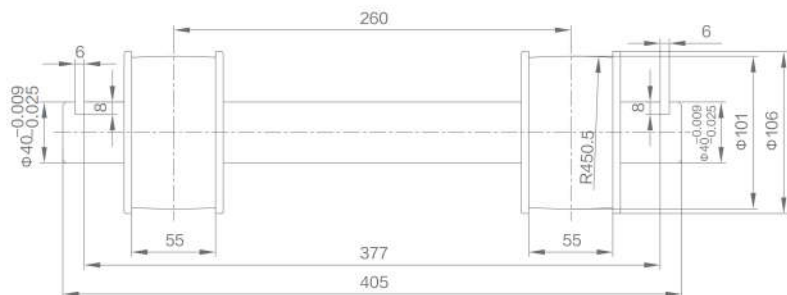


外观尺寸图 | Outline drawing

WYT-F 2轮分列式钢带导向轮组件

WYT-F 2-Wheel Split Steel Belt Guide Wheel Assembly

型号 (Model): ZLF 106/55-2-6208-405



外观尺寸图 | Outline drawing

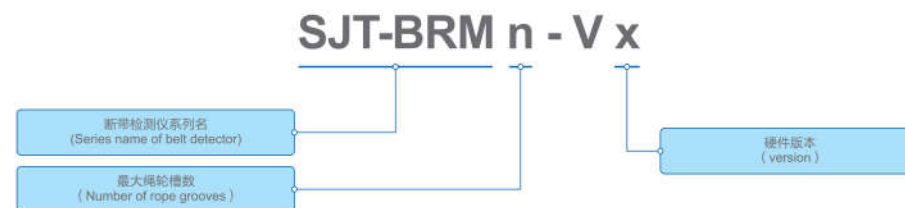
钢带配件—断带检测装置 BELT DETECTOR

SJT-BRM 系列断带检测装置

SJT-BRM Series Belt Detector



断带检测仪型号说明 (Model description of belt detector)



断带检测装置参数 (Parameter)

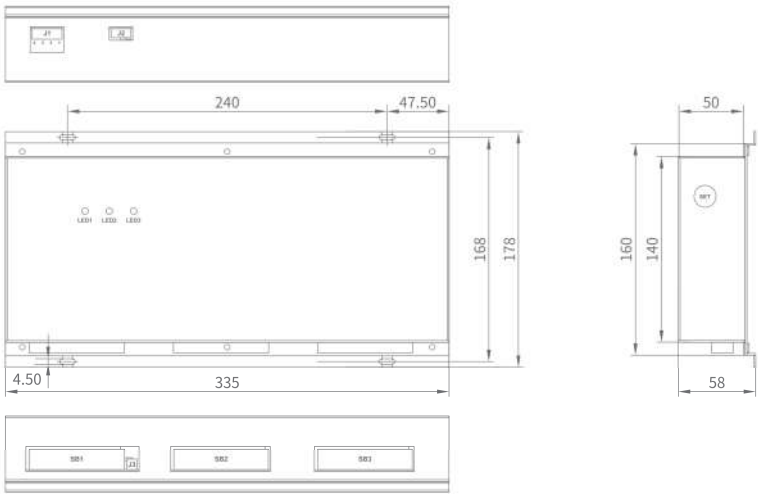
型号 Model	绳轮槽数 Number of rope grooves	钢带型号规格 Belt model	单根钢带中钢丝数量 Number of steel wires per belt	钢带宽度 Width	额定电压 Voltage
SJT-BRM3-V1	2 / 3	SYLG-EB-32A	10 X 12	30	DC24V
		SYLG-EB-43A			

PSSC1 系列断带检测装置

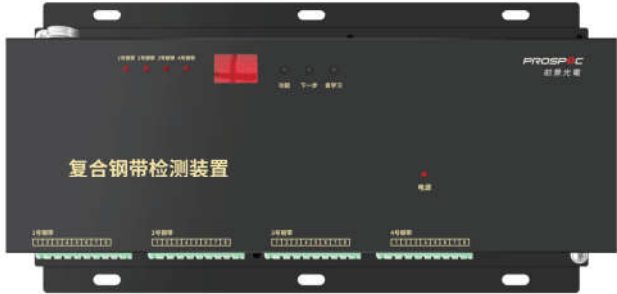
PSSC1 Series Belt Detector

断带检测装置功能说明 (Functional characteristics)

- 多种故障检出：钢带钢芯断路、钢带钢芯短路、钢带钢芯裸露：
 - 钢带钢芯断路：一根及以上的钢芯断开即可检出；
 - 钢带钢芯短路：两根及以上的钢芯裸露，裸露处搭接相连即可检出；
 - 钢带钢芯裸露：一根及以上的钢芯裸露，搭接到外部金属结构（PE）即可检出。
 - 持续电阻监测：每条钢带独立电阻监测（分辨率≤1%）；
 - 故障报警输出：继电器常开点故障输出、每条钢带独立故障灯指示；
 - 多钢带监测：1-3条（10芯或12芯钢带）；
 - 手机APP调试：内置蓝牙模块，使用手机APP调试；
 - 其他：一键检测/自学习。
- Multiple fault detections: **Steel core open circuit, Short circuit, Steel core exposed.**
- Steel core open circuit:** One or more steel cores can be detected.
 - Short circuit of steel core:** Two or more steel cores exposed, and the exposed areas can be detected by overlapping and connecting them.
 - Steel core exposed:** One or more steel cores are exposed and can be detected by overlapping with the external metal structure (PE).
- Continuous resistance monitoring: Independent resistance monitoring for each steel strip (resolution ≤1%)
 - Failure alarm output: relay normally open point fault output, independent fault light indication for each belt;
 - Multi-steel belt monitoring: 1-3 strips (10-core or 12-core belt);
 - Mobile APP debugging: Built-in Bluetooth module, use mobile APP debugging.
 - Others: One-click detection / self-learning.

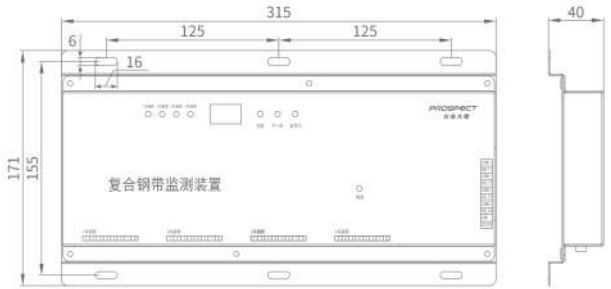


断带检测装置尺寸图 | Out drawing



断带检测仪型号说明 (Model description of belt detector)

PSSC1B0-LG - X n



断带检测装置尺寸图 | Out drawing

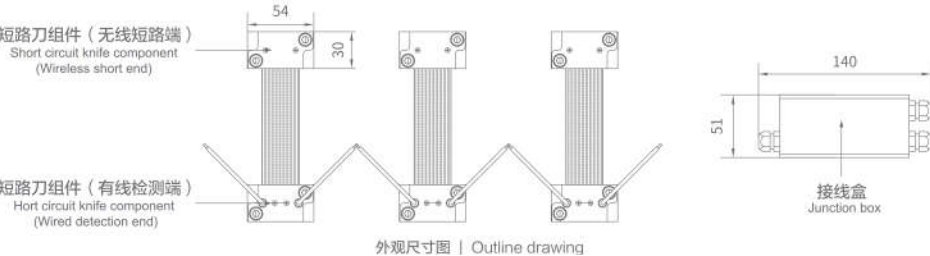
断带检测装置参数 (Parameter)

型号 Model	绳轮槽数 Number of rope grooves	钢带型号规格 Belt model	单根钢带中钢丝数量 Number of steel wires per belt	钢带宽度 Width
PSSC1B0-LG-X3	2 / 3	SYLG-EB-43A	10 X ϕ 1.98	30
PSSC1B0-LG-X4	4			
PSSC1B0-LG-X6	5 / 6			
PSSC1B0-LG-X7	7			

XP-D 系列断带检测装置

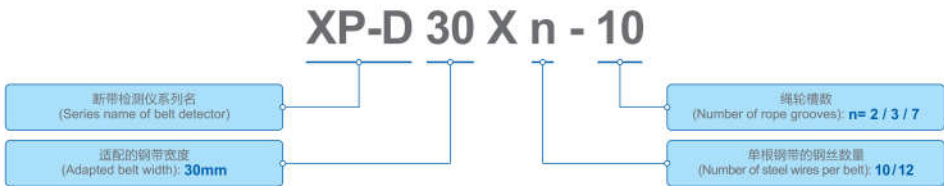
XP-D Series Belt Detector

以三槽断带检测仪 XP-D30X3-10 为例，如下图：
Taking the XP-D30X3-10 three slot belt detector as an example, as shown in the following figure:



说明：每条钢带应用两个短路刀组件，分别为有线检测端和无线短路端；适用钢带槽间距范围为 65mm-260mm。
Explanation: Each belt should be equipped with two short-circuit knife components, namely the wired detection end and the wireless short-circuit end; The applicable belt groove spacing range is 65mm-260mm.

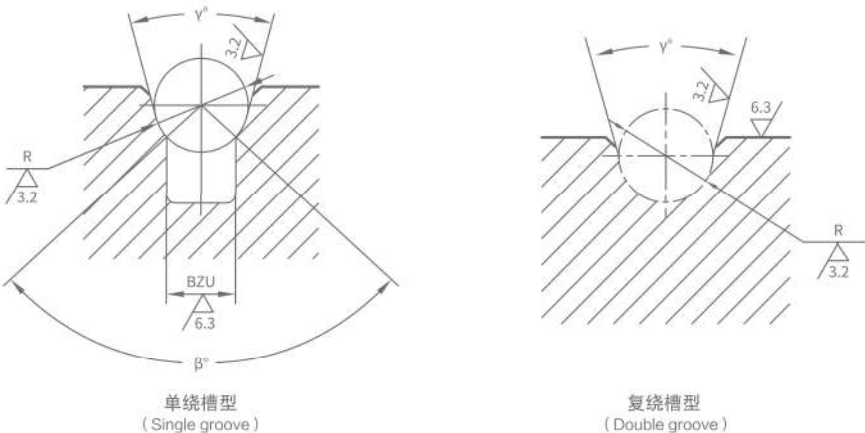
断带检测仪型号说明 (Model description of belt detector)



断带检测装置参数 (Parameter)

型号 Model	适配钢带机型号 Adapted belt machine model	绳轮槽数 Number of rope grooves	钢带型号规格 Belt model	单根钢带中钢丝数量 Number of steel wires per belt	钢带宽度 Belt width	额定电压 Voltage
XP-D30X2-12	WYT-FE	2	SYLG-EB-32A	12	30	AC220V
XP-D30X2-10						
XP-D30X3-10	WYT-K	3	SYLG-EB-43A	10		
XP-D30X7-10	WYT-K	7				

绳槽参数 THE PARAMETER LIST OF GROOVE



槽型 (Groove)	R	β	γ	BZU
单绕槽型 (Single groove)	Φ 6	90°	35°	4.24
	Φ 8	90°	30°	5.66
	Φ 10	97°	25°	7.49
	Φ 12	95°	35°	8.85
复绕槽型 (Double groove)	Φ 10		35°	
	Φ 12		35°	
	Φ 16		35°	