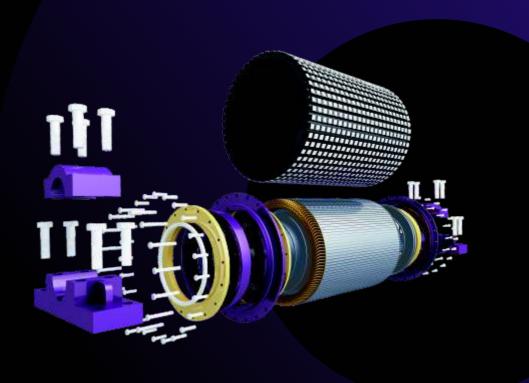
Product Instruction Man



# THE PERMANENT MAGNET PULLEY DRIVE SYSTEM

THIS IS A REVOLUTION IN THE TRANSMISSION TECHNOLOGY OF BELT CONVEYORS



JIANGSU JIA XUAN INTELLIGENT INDUSTRIAL POLYTRON TECHNOLOGIES INC.

#### 江苏嘉轩智能工业科技股份有限公司

National service hotline: +86 4006869980

Whatsapp: +86 18861253608 Email address: jiaxuan@jasung.cn



### Facebook

Jiangsu Jasung Intelligent Industrial Technology Co., Ltd.





Jiaxuan is determined to become a world-leading future workshop, we know that technology is the driving force to improve production, we pool outstanding talent, to create advanced technology

We integrate technology and innovation, continue to challenge change, and create high-quality produc

in the increasingly complex production site, now to maximize the sustainability and safety of production is particularly important.

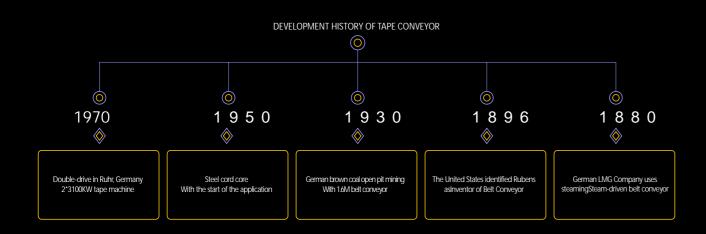
Jiaxuan intelligent external rotor direct drive system to achieve the construction, production and maintenance of the important concept of "overa production cost reduction", make full use of cutting-edge advanced and innovative technology and information, and promote the optimization of industri

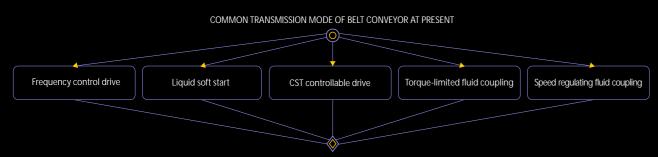
# JASUNG INTELLIGENCE

Technology changes the future



# THE PERMANENT MAGNET PULLEY DRIVE SYSTEM





DEVELOPMENT OF INNOVATIVE JIAXUAN INTELLIGENT EXTERNAL ROTOR DIRECT DRIVE SYSTEM



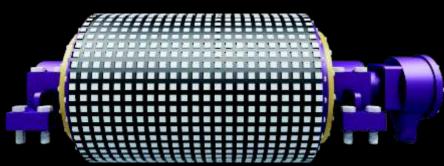
# THE PERMANENT MAGNET PULLEY DRIVE SYSTEM

It is composed of Jiaxuan permanent magnet direct drive drum and Jiaxuan intelligent driver to realize the startup, operation, detection, protection and speed regulation of belt conveyor.

It is an intelligent terminal of industrial production with a high degree of combination of machinery, electricity and software.

Jiaxuan intelligent external rotor direct drive transmission system has changed the traditional conveyor transmission system, which is composed of drum, motor, reducer, hydraulic coupler, coupling, control and protection and other equipment. Jiaxuan permanent magnet direct drive drum is both motor and drum.











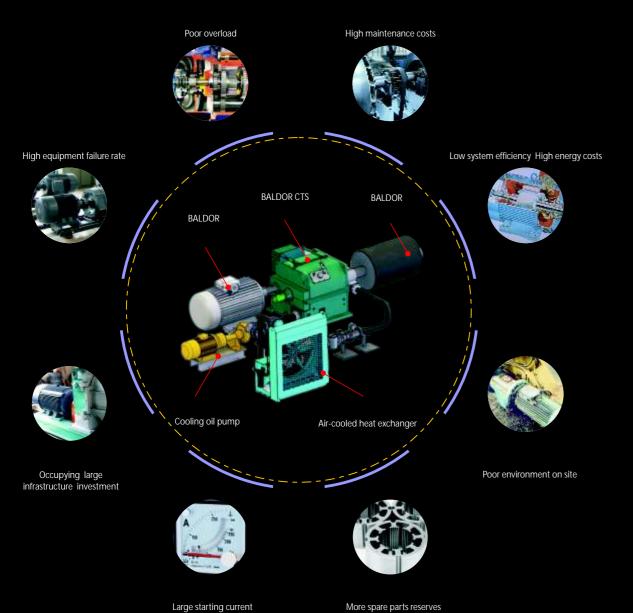




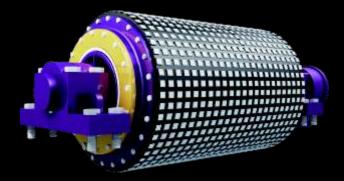
#### SOLVE PROBLEMS AND TROUBLES

IS YOUR TRANSPORTATION SYSTEM FACING SUCH "PROBLEMS" AND "ANNOYANCES"?

#### BEFORE COMPLEX TRANSMISSION SYSTEM



#### JIAXUAN PERMANENT MAGNET ROLLER



#### AFTER SIMPLEST TRANSMISSION SYSTEM



#### JIAXUAN PERMANENT MAGNET DIRECT DRIVE DRUM

Original external rotor permanent magnet motor technology, Jiaxuan permanent magnet direct drive drum shaft fixed, equivalent to the stator part of the motor, the stator core is superimposed and fixed on the shaft by silicon steel sheet, in which the stator winding is embedded, When the stator winding passes through three-phase symmetrical alternating current,

A rotating magnetic field can be generated; the cylinder surface of the drum is equivalent to the rotor part of the motor, and the rotor is superimposed and fixed on the inner surface of the cylinder by a silicon steel sheet and embedded with a UH grade NdFeB permanent magnet, which will produce a permanent static magnetic field. when symmetrical three-phase alternating current is passed, The motor works, that is, the drum works.

Stator using patented technology, patent no.: ZL2015 2 1027322.1 Safetylevel: internationalSafetyqualityCertification:Ce170402005347

Rotor using patented technology, patent no.: ZL2015 2 0018631.6 Energy efficiency rating: China quality Certification: CQC17701165307

 $\sim$  06



### THE PERMANENT MAGNET PULLEY DRIVE SYSTEM

The intelligent driver applies frequency conversion technology and microelectronic control technology, independently develops a distributed drive control system, has a patented intelligent driver algorithm to achieve accurate control, and controls the speed and position through the pulse sequence sent by the upper controller.

The algorithm inside the driver and faster and more accurate calculation as well as better performance of electronic devices to change the frequency of the motor working power supply to control the speed of Jiaxuan intelligent industrial motor;

Through the closed-loop control system composed of rectifier bridge (AC variable DC), filter, inverter (direct rheological AC), driving unit, detection unit, communication unit and so on, the control and protection, precise speed regulation and smooth start of Jiaxuan permanent magnet direct drive drum are carried out.

According to the characteristics and requirements of different factory field operation, Jiaxuan Intelligent provides a special drive and control system for each household to realize the intelligent operation and intelligent management of conveying equipment.

VCM TM Guardian Industrial Cloud Intelligent Device Status Management System

BDTM Drive Control System -------Universal Belt Conveyor Drive Control System

MDBDTM drive control system ------- multi-drive belt conveyor dedicated drive control system

Intelligent Drive Algorithm Patent ZL2015 2 1027323.6



### THE PERMANENT MAGNET PULLEY DRIVE SYSTEM



It has the functions of short circuit, overload, single phase disconnection, leakage locking protection and remote control.

device overheat protection and so on.

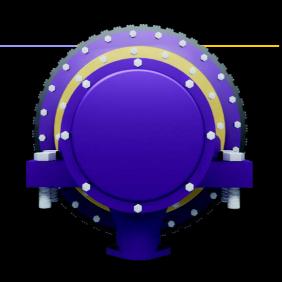
At the same time, there are undervoltage protection, overvoltage protection, instantaneous overcurrent protection, grounding fault protection, industrial intelligent drum overtemperature protection, communication loss protection, power



O8



# INNOVATIVE DESIGN AND EXCELLENT MANUFACTURING



01

Rotor and stator structure Design of patented Technology. Ensures high efficiency and strong overload capacity, lower current, less heat

... 🔘

02

Patented Seal Design and integral Seal structure.

Better meet the application in various bad working conditions, such as moisture, dust and so on, as well as in the field of anticorrosion and explosion-proof.

... 🔘

03

Patented temperature Detection Technology and temperature Control and Regulation Technology. Ensure the long life continuous operation of the motor under complex working conditions

# INNOVATIVE DESIGN AND EXCELLENT MANUFACTURING



- Using large size bearing and optimized support design, SKF centering
   bearing should be overloaded without worrying about lateral impact load and installation tilt.
- Using UH grade NdFeB permanent magnet material, the temperature resistance can reach 180 ;
- Unique structural design, can achieve reverse stop, braking integration;
- Natural cooling, water cooling, air cooling and other cooling methods to choose from;
- o Ceramic cold vulcanization coating process, excellent wear resistance, life-long maintenance-free;



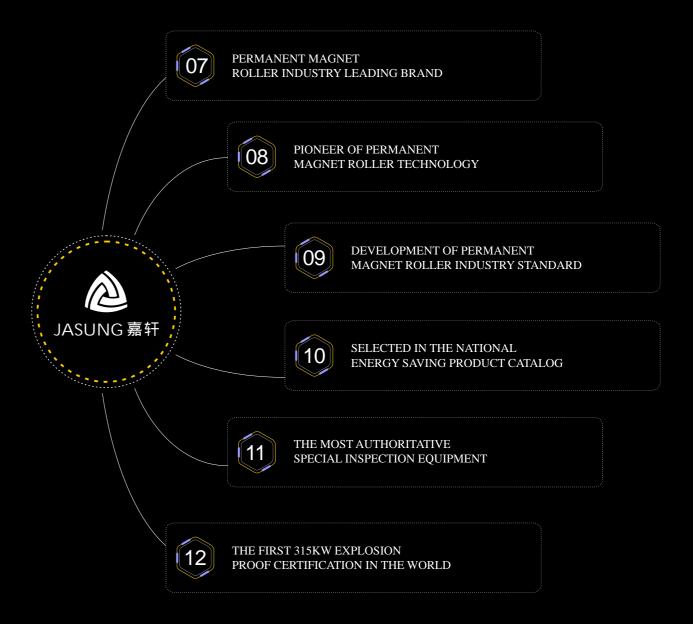
THE MOST PROFESSIONAL
PERMANENT MAGNET
DRUM MANUFACTURING ENTERPRISE





THE MOST PROFESSIONAL
PERMANENT MAGNET
DRUM MANUFACTURING ENTERPRISE









#### SELECTION MANUAL

#### MATTERS NEEDING ATTENTION

Jiaxuan permanent magnet direct drive drum model is the driving unit of belt conveyor.

The driving shaft power required by the conveyor can be calculated according to the design manual of the belt conveyor. it should be noted that the power of the model needs to be revised in the following cases.

The main results are as follows: (1) the power of Jiaxuan permanent magnet direct drive drum, which starts frequently, needs to be increased by one gear:

(2) the working ambient temperature is-10  $\sim$  40 ? , the temperature of the material transported is not higher than 60 ? , and the altitude is not more than 1000 m.

If the working environment is beyond the above scope, please contact the company's technical department.

#### MATTERS NEEDING ATTENTION

Ordinary intelligent drum is not suitable for use in corrosive environment or places with explosion-proof requirements. in corrosive environment, anticorrosion type should be used.

For the safety of persons and equipment, flameproof should be used in explosive environments.

Other special requirements, should use a special series of Jiaxuan intelligent external rotor direct drive transmission system.

#### CLASSIFICATION OF JXS EXTERNAL ROTOR DIRECT DRIVE ROLLER

(1) according to the different cooling methods, it can be divided into:

Natural cooling: no additional cooling device is required.

Water-cooled: 0.4Mpa-1.5MPa.

Air-cooled: forced air-cooled

(2) according to the types of braking and reversing mechanisms, they can be divided into:

General series, excluding braking and backstopping units.

Z N series, providing an integrated solution for braking unit and reverse stop unit;

(3) according to the different structure of the drum body: it can be divided into Jiaxuan permanent

magnet direct drive drum-G, Jiaxuan permanent magnet direct drive drum-T lifting winch and so on.

The structure of the drum body is different, the shape is different, their use is also different.

(4) depending on the environment in which it is used:

It can be divided into common type, anticorrosive type and flameproof type.

#### A FEW EXPLANATIONS

The main results are as follows: (1) the surface linear velocity listed in the parameter table of Jiaxuan permanent magnet direct drive drum usually refers to the value when the power supply frequency is 50Hz, if the power supply frequency is 60Hz, the surface linear velocity of Jiaxuan permanent magnet direct drive drum will be increased by 20%.

(2) the insulation grade of the motor in Jiaxuan permanent magnet direct drive drum is divided into B grade, F grade and H grade, and the corresponding winding temperature rise is corresponding to the insulation grade of the motor in Jiaxuan permanent magnet direct drive drum.

#### LIMITS REFER TO THE FOLLOWING TABLE

### INSULATION GRADE AND LIFT LIMIT K OF JXS EXTERNAL ROTOR DIRECT DRIVE ROLLER

INSULATION GRADE	В	F	Н
WINDING TEMPERATURE RISE LIMIT	80	100	125

The insulation grade of the flameproof JXS outer rotor direct drive drum should be F or H, but the temperature rise of the motor winding should be checked according to the temperature rise limit of B or F grade.

(3) in order to connect the power supply conveniently, there are three lead lines in the direct drive drum of JXS outer rotor.

### NAMING RULES FOR JIAXUAN INTELLIGENT DIRECT DRIVE ROLLER

FLAMEPROOF TYPE THREE-PHASE PERMANENT
MAGNET SYNCHRONOUS ELECTRIC DRUM TYPE FOR MINE

#### S/F T Y B C)CO CO; Á E 660/1140£ ©

CODE NAME	DESCRIPTION
S/F	S: water cooling; F: air cooling; natural cooling is not marked
TY	Synchronous permanent magnet
В	Feature code: Flameproof type is B
Ò	Rated power in kW
Ú	Roller surface line speed (range) in m/s
Û	Nominal diameter in mm
Ü	Applicable bandwidth (range) in mm
£ 660/1140£	© Rated voltage in V

#### 以STYB315-3.15-1400×1000£1140£© S TY B 315-3.15-1400×1000£1140£©

Rated voltage: 1140V

Bandwidth: 1000mm

Roller diameter: 1400mm

Line speed: 3.15m/s

Rated power: 315kW

Flameproof type is B

Permanent magnet

Water cooling

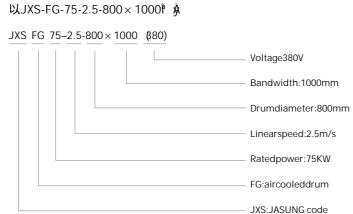
14



#### JIAXUAN NON-EXPLOSION PROOF ELECTRIC DRUM MODEL

#### JXS- **\$**/F)G-È)CΦ CĐ<sub>i</sub> Áΰβ80/660/1140)

CODE NAME	DESCRIPTION
JXS	Jiangsu JASUNG Intelligent Industrial Technology Co., Ltd
<b>(</b> 5/F)G	G: Drum; s: water cooling; F: air cooling; natural cooling not marked
?	Rated power in kw
?	Linear speed (range) of drum surface, unit: M / S
?	Nominal diameter in mm
?	Applicable bandwidth (range), unit: mm
<b>\$</b> 80/660/1140)	Rated voltage, in V



#### JIAXUAN ELECTROMECHANICAL GUARD

- It is composed of intelligent monitoring terminal, industrial cloud server and mobile app. The self-test motor can realize the whole process management in industrial enterprises, such as the monitoring of its running state and working condition, fault diagnosis and prediction, maintenance decision-making, optimized operation, accurate motor life prediction, guiding the improvement of equipment and its design, etc.
- The system connects sensor terminals through the Internet of things, summarizes data to the cloud platform, realizes equipment modeling through machine learning, provides fault diagnosis, prediction and life prediction functions, and includes end-to-end solutions from sensors, data collectors, communication networks, databases and server software to hand-held app and terminal software;
- O The scope of on-line monitoring can be customized; the mode of data display and alarm can be selected flexibly;
- $\bigcirc \hspace{0.2cm} \textbf{Data analysis, machine learning and other functions on cloud platform are shared with all data contributors;}$
- Provide suggestions for equipment maintenance; provide fault analysis process and conclusion;
- Support joint development with customers and share intellectual property rights.

#### SPECIFICATION AND MODEL

MODEL	CPX(件数)	SE-L01 (件) 含1米线	SE-L02 (件) 含2.5米线	GZD12 (件)	APP账号(个)	硬件免费更换、 维护(年限)	软件免费自动 升级 (年限)	数据存储服务和 数据分析诊断服务 (年限)	适用的被测设备场合
VCM-1	CPX-01 * 1	3	0		5	2	2	2	
VCM-4	CPX-01 * 1	2	1		5	2	2	2	All kinds of transmission equipment, such as Pumps, fans, motors, etc
VCM-7	CPX-02 * 1	2	1		5	2	2	2	
VCM-2	CPX-01 * 2	4	0		5	2	2	2	Function recovery of monitored equipment Miscellaneous, relatively compl
VCM-5	CPX-01 * 2	3	1		5	2	2	2	structure, operationLong travel time, medium importance Take into account efficiency and stable production
VCM-8	CPX-02 * 2	3	1		5	2	2	2	Qualitative; such as medium pump, fan etc.
VCM-3	CPX-01 * 3	6	0		5	2	2	2	Function recovery of monitored equipment Miscellaneous, complex structure, runtime
VCM-6	CPX-01 * 3	5	1		5	2	2	2	Room length, high importance and stability High requirement for operation, accurate predicti Measure the fault and service li
VCM-9	CPX-02 * 3	5	1		5	2	2	2	to Ensure production safety as the primary test If with comple- structure Belt motor of speeder etc
VCM-ZZC127	CPX-YHC12*1	0	0	2	5	2	2	2	It is used for explosion-proof ar coal safety Seeking places
VCM-HCP	CPX-02 * 1	1	0		5	2	2	2	Special for ring hammer crush in When the monitoring system gives an alarm Wait, direct alarm and shutdov prevention A block or piece of metal Equipment caused by bo damage and broken hammer accident.
Mine type "electromechanical guard"	Determined	according to	the plan						
Optional Accessories	Aviation plu	g extension c	able: 2.5m, 5n	n, 10m, 25m;	mining commu	nication cable; r	mining optical f	iber	

#### JIAXUAN PERMANENT MAGNET DIRECT DRIVE DRUM

Bandwid (mm											efficiency	power factor
500	650	500	5.5 7.5					0.54			95%	0.95-0.99
			5.5		1.09	0.85	0.68	1.09 0.54				
			7.5		1.07	1.17	0.93	0.74				
			11			1.71	1.37	1.09			-	
		500	15 18.5			2.33	1.87 2.31	1.49			95%	0.95-0.99
			22				2.74	2.19				
			7.5		100	1.47	1.10	2.98 0.94				
650	800		11		1.88 2.77	1.47 2.16	1.18	1.38			-	
			15		3.77	2.95	2.36	1.89				
		630	18.5			3.63 4.32	2.91 3.46	2.33			95%	0.95-0.99
			30			4.32	4.71	3.77				
			45					5.65				
			5.5 7.5	1.37	1.09	0.85	0.68	0.54	0.43		-	
			11		2.19	1.71	1.37	1.09	0.87			
			15		2.98	2.34	1.87	1.5	1.19			
		500	18.5			2.88	2.31	1.85 2.19	1.47 1.75		95%	0.95-0.99
			30				3.73	2.99	2.37		-	
			37					3.68	2.93			
			45	2.45	0.77	21/	1.70	1.20	3.56			
			11 15	3.45	2.77 3.77	2.16 2.95	1.73 2.36	1.38	1.09		-	
			18.5		4.64	3.64	2.91	2.32	1.84			
800	950		22			4.32	3.46	2.77	2.2			
		630	30			5.89	4.72 5.82	3.78 4.65	2.99 3.69		95%	0.95-0.99
			45				7.08	5.66	4.49		-	
			55					6.91	5.49			
			75 30	11.98	9.59	7.49	5.99	4.79	7.48			
			37	11.90	11.82	9.25	7.4	5.92	4.7		-	
			45		14.37	11.25	8.99	7.2	5.71			
		800	55			13.75	10.99	8.79	6.98		95%	0.95-0.99
			75 90				14.98	11.99 14.38	9.52 11.42		-	
			110					17.58	13.93			
			132						16.72			
			7.5	1.86	1.49 2.19	1.16	0.93	0.74 1.09	0.59	0.46	-	
			15		2.19	2.34	1.87	1.49	1.18	0.93	-	
			18.5			2.89	2.31	1.85	1.47	1.16		
		500	30			3.44	2.75 3.75	2.2 3.00	1.75 2.38	1.37 1.87	95%	0.95-0.99
			37				4.62	3.7	2.94	2.31	-	
			45					4.49	3.57	2.81		
			55 75						4.36	3.44 4.68	-	
			90							5.62	-	
			15	4.72	3.77	2.95	2.36	1.88	1.49	1.18		
			18.5		4.65	3.64	2.91	2.32	1.84 2.19	1.45	 -	
			30		5.54	4.32 5.90	3.46 4.72	2.77 3.77	2.19	1.73 2.36	1	
			37			7.28	5.82	4.66	3.7	2.91	]	
		630	45 55			8.85	7.08	5.67 6.92	4.5 5.5	3.54 4.33	95%	0.95-0.99
			75				8.65	9.43	7.49	5.90		
			90						8.99	7.08		
			110						10.98	8.65		
1000	1150		132 37	14.78	11.83	9.24	7.39	5.91	4.69	10.38 3.69		
			45	11.70	14.39	11.25	9	7.2	5.71	4.5		
			55		17.58	13.74	11	8.8	6.98	5.5		
			75 90			18.73	14.99 17.98	11.99 14.39	9.52 11.42	7.5 8.99	-	
		800	110				21.97	17.59	13.96	10.99	95%	0.95-0.99
		000	132					21.1	16.75	13.19	7576	0.73-0.77
			160 185						20.30	15.99	-	
			200						23.47	18.49 19.98	1	
			220							20.33		
			55	27.48	21.99	17.18	13.74	11	8.73	6.87	-	
			75 90		29.98	23.43 28.11	18.74 22.49	14.99 17.99	11.9 14.28	9.37 11.25	-	
			110			34.35	27.48	21.99	17.45	13.74	]	
			132				32.9	26.38	20.94	16.49		0.0= ===
		1000	160 185				39.87	31.98 36.97	25.38 29.35	19.99 23.11	95%	0.95-0.99
			200					39.96	31.75	24.98	]	
			220						34.92	27.48		
			250 280						39.68	31.24	-	
		L	200		I.		1	1		34.98	1	



П	ΔΥΠΔΝ	PERMANENT	MAGNET DIRECT	DRIVE DRIIM
JI.	AAUAN	PERMANENT	MACINELDIKECT	DRIVEDRUM

AAUA	N PERM	ANENT N	AGNET DIRI	ECT DRIVE I	DRUM								
			(m/s)										power
													factor
			55	34.36	27.48	21.47	17.18	13.74	10.9	8.59			
			75 90		37.48 44.97	29.28 35.14	23.43 28.11	18.74 22.49	14.87 17.85	11.71 14.06		-	
			110		44.97	42.95	34.36	27.49	21.82	17.18		-	
			132			51.54	41.23	32.99	26.18	20.62		]	
			160				49.97	39.98	31.73	24.99		]	
		1250	185				57.77	46.22	36.69	28.89		95%	0.95-0.99
			200					49.97 54.96	39.67 43.63	31.24 34.36		-	
			250						49.58	39.05		1	
			280						55.52	43.73		]	
			315							49.19		-	
1000	1150		355 75	52.47	41.98	32.79	26.23	20.99	16.65	55.44 13.11	10.49		
			90	32.47	50.37	39.35	31.48	25.18	19.99	15.74	12.59	1	
			110		61.56	48.10	38.48	30.78	24.43	19.24	15.39	]	
			132			57.72	46.17	36.94	29.32	23.08	18.47		
			160			69.96	55.97 64.72	44.78 51.77	35.54	27.98	22.39	-	
		1400	185 200				69.96	55.98	41.09 44.43	32.36 34.98	25.88 27.99	96%	0.95-0.99
			220					61.57	48.87	38.48	30.79	]	
			250					69.96	55.53	43.73	34.98	]	
			280						62.2	48.98	39.18		
			315 355						69.96	55.1 62.09	44.08 49.67	-	
			375							65.58	52.46	-	
			400							69.96	55.95	1	
			450								62.95		
			500	0.74							69.96		
			15 18.5	3.74	3.00	2.34	1.87 2.31	1.5	1.19	0.94 1.16	0.74	-	
			22		4.4	3.44	2.75	2.2	1.75	1.37	1.1	-	
			30			4.69	3.75	3	2.38	1.87	1.5		
			37			5.77	4.62	3.7	2.94	2.31	1.85		
	5	F00	45				5.62	4.5	3.57	2.81	2.25		0.05.0.00
		500	55 75					5.49	4.36 5.94	3.44 4.69	2.75 3.75	95%	0.95-0.99
			90						7.13	5.62	4.5		
			110							6.87	5.49		
			132								6.58		
			30	6.92	5.54 7.55	4.32 5.9	3.46 4.72	2.77 3.77	2.19	1.73 2.36	1.38	-	
			37		9.31	7.28	5.82	4.65	3.69	2.36	1.88	-	
			45			8.85	7.08	5.67	4.5	3.54	2.83	1	
			55			10.81	8.65	6.93	5.5	4.33	3.46		
			75				11.8	9.44	7.5	5.9	4.72	-	
		630	90					11.33	8.99 10.99	7.08 8.65	5.67 6.93	95%	0.95-0.99
			132						13.18	10.39	8.31	1	
			160							12.59	10.07	]	
			185								11.64		
1200	1400		200	17.00	14.00	11.04	0.00	7.10	5.74	1.10	12.59		
			45 55	17.98	14.39 17.59	11.24 13.74	8.99 10.99	7.19 8.79	5.71 6.98	4.49 5.49	3.59 4.39	-	
			75		23.98	18.74	14.99	11.99	9.52	7.50	6.00	j	
			90			22.49	17.99	14.39	11.42	9.00	7.20	]	
			110				21.99	17.59	13.96	11.00	8.80	-	
		800	132 160				26.38	21.11 25.58	16.75 20.3	13.19 15.99	10.56 12.79	-	0.95-0.99
		550	185					20.00	23.48	18.49	14.79	. 95%	5.75-0.7
			200						25.38	19.99	15.99	]	
			220							21.99	17.59		
			250 280							24.98	19.98		
			315				<u> </u>				22.38 25.18		
			75	37.47	29.98	23.42	18.74	14.99	11.899	9.37	7.49		
			90		35.98	28.11	22.49	17.99	14.28	11.25	9.0	]	
			110			34.36	27.49	21.99	17.45	13.74	11	.	
			132			41.23	32.99	26.39 31.99	20.94	16.49	13.19	-	
			160 185				39.98 46.22	31.99	25.39 29.35	19.99 23.11	15.99 18.49		
		1000	200					39.98	31.73	24.99	19.99	95%	0.95-0.99
			220					43.97	34.91	27.49	21.99	.5%	
			250						39.66	31.24	24.99		
			280 315						44.41	34.98 39.35	27.99 31.49	-	
			355					-		39.35 44.34	31.49	1	
			375								37.48	1	
		1	400		1						39.98	1	

remarks: 1. The overload multiple of drum torque in the selection table is 2.2 times or more. If the customer has special requirements for overload multiple, it must be re-evaluated.

2. The year of the document of the consider the increase of braking and backstop devices. If the increase of braking and backstop devices results in occupation of the inner space of the drum, it needs to be revealuated.

4 About the coverage of explosion-proof and coal safety certification: air cooling coverage power of 75kW and below, roll diameter of 500, 400, 800 and 1000, air cooling coverage power of 315kW and below, roll diameter of 1000, 1250 and 1400, beyond the xope, it is necessary to obtain evidence again, and the period of evidence collection is 3-6 months.

5. For the efficiency and power factor range, the lower the band speed is, the higher the band speed is;

6. The roll length corresponding to the standard bandwidth in the selection table is the standard roll length. If the customer requires non-standard roll length, it needs to be reconfirmed.

7. The selection table has covered 500 bandwidth, 650 bandwidth, 800 bandwidth, 1000 bandwidth, 1200 bandwidth, 1400 bandwidth and 1600 bandwidth; 8. For the same drum, if it is to be used under different working conditions, it can only operate for a long time under rated power, rated torque and rated belt speed;

			110		54.97	42.95	34.36	27.4	21.81	17.18	13.74		
			132		65.96	51.54	41.23	32.99	26.18	20.62	16.49		
			160			62.47	49.98	39.98	31.73	24.99	19.99		
			185			72.23	57.78	46.23	36.69	28.89	23.11		
			200				62.47	49.98	39.67	31.24	24.99		
			220				68.72	54.98	43.63	34.36	27.49		
		1250	250					62.47	49.58	39.05	31.24	95.5%	0.95-0.99
			280					69.96	55.53	43.73	34.98		
			315						62.47	49.2	39.36		
			355							55.44	44.36		
			375							58.56	46.85		
			400							62.46	49.98	1	
			450								56.23		
1200	1400		500								62.47		
			110	76.96	61.57	48.10	38.48	30.78	24.43	19.24	15.39	4	
			132		73.88	57.72	46.17	36.94	29.32	23.08	18.47	-	
			160			69.96	55.97	44.78	35.54	27.98	22.39		
			185			80.9 87.45	64.72	51.77 55.98	41.09 44.43	32.36 34.98	25.88 27.99	+	
			220			67.45	76.97	61.57	48.87	38.48	30.79	+	
			250				87.46	69.97	55.53	43.73	34.98		
		1400	280				87.40	78.37	62.2	48.98	39.18	96%	0.95-0.99
		1400	315					88.16	69.97	55.1	44.08	70%	0.73-0.99
			355					55.10	78.85	62.1	49.68	1	
			375						83.29	65.60	52.48	1	
			400						88.84	69.97	55.98	1	
			450						33.04	78.72	62.97	1	
			500							87.46	69.97	1	
			560								78.36	1	
			630								88.16	1	
			55	21.99	17.59	13.74	10.99	8.79	6.98	5.49	4.39		
			75		23.98	18.74	14.99	11.99	9.52	7.50	6.00		
			90		28.776	22.49	17.99	14.39	11.42	9.00	7.20		
			110			27.48	21.99	17.59	13.96	11.00	8.80		
			132			32.98	26.38	21.11	16.75	13.19	10.56		
			160				31.98	25.58	20.31	15.99	12.79		
			185					29.58	23.48	18.49	14.79		
		800	200					31.98	25.38	19.99	15.99	95%	0.95-0.97
			220						27.92	21.99	17.59		
			250						31.73	24.98	19.99		
			280							27.97	22.38		
			315							31.47	25.18		
			355								28.38		
			90	44.97	35.98	28.11	22.49	17.99	14.28	11.25	9.0		
			110		43.97	34.36	27.49	21.99	17.45	13.74	11	4	
			132			41.23	32.99	26.39	20.94	16.49	13.19		
			160			49.97	39.98	31.99	25.39	19.99	15.99	4	
			185				46.22	36.98	29.35	23.11	18.49	4	
			200		-		49.97	39.98	31.73	24.99	19.99	+	
1400	1600		220		-			43.97	34.91	27.49	21.99	+	
		1000	250					49.97	39.67	31.24	24.99	95%	0.95-0.99
			280		-				44.43	34.98	27.99	1	
			315						49.97	39.36	31.49	1	
			355							44.35	35.48	1	
			375 400							46.85	37.47 39.97	1	
											39.97 44.96	1	
			450 110	68.71	54.97	42.95	34.36	27.4	21.81	17.18	13.74		
			132	00.71	65.96	51.54	41.23	32.99	26.18	20.62	16.49	1	
			160		79.95	62.47	49.98	39.98	31.73	24.99	19.99	1	
			185		17.73	72.23	57.79	46.23	36.69	28.89	23.11	1	
			200			78.08	62.47	49.98	39.67	31.24	24.99	1	
			220				68.71	54.98	43.63	34.36	27.49	1	
			250				78.08	62.47	49.58	39.05	31.24	1	
		1250	280					69.96	55.53	43.73	34.98	96%	0.95-0.99
			315					78.71	62.47	49.2	39.36	1 .5%	
			355						70.40	55.44	44.36	1	
			375						74.36	58.56	46.85	1	
			400						79.32	62.47	49.98	1	
		1								70.27	56.22		
			450										
			450 500							78.07	62.47	Ī	

90 56.22 44.98 35.14 28.11 22.49 17.84 14.05 11.24

2. The gray part in the model selection table to 22 sinces in the case of braining and backstop devices. If the increase of braining and backstop devices results in occupation of the inner space of the drum, it needs to be rerealusted.

4 About the coverage of explosion-proof and cost safety certification air cooling coverage power of 75kW and below, roll diameter of 1000, 120 and 1400, beyond the scope, it is necessary to obtain evidence again, and the period of evid

5. For the efficiency and power factor range, the lower the band speed is, the higher the band speed is;

6. The roll length corresponding to the standard bandwidth in the selection table is the standard roll length, if the customer requires non-standard roll length, if needs to be receivabled. For example, in some modification projects, due to the limitation of rack space, the roll length needs to be reduced, so the evaluation needs to be reconfirmed. 7. The selection table has covered 500 bandwidth, 650 bandwidth, 800 bandwidth, 1000 bandwidth, 1200 bandwidth, 1400 bandwidth and 1600 bandwidth

8. For the same drum, if it is to be used under different working conditions, it can only operate for a long time under rated power, rated torque and rated belt speed;

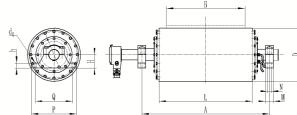


#### JIAXUAN PERMANENT MAGNET DIRECT DRIVE DRUM

			Tape speed (m/s)									efficiency	powe facto	
			(KW) CA)											
			132	92.35	73.88	57.72	46.17	36.94	29.32	23.08	18.47			
			160		89.56	69.96 80.9	55.97	44.78 51.77	35.54	27.98	22.39			
			185 200		103.55	87.46	64.72 69.97	55.98	41.09 44.43	32.36 34.98	25.88 27.99			
			220			96.21	76.97	61.57	48.87	38.48	30.79			
			250			109.32	87.46	69.97	55.53	43.73	34.98			
			280				97.95	78.37	62.2	48.98	39.18			
		1400	315				110.19	88.16	69.97	55.1	44.08	96.5%	0.95-0.9	
			355					99.35	78.85	62.1	49.68			
			375 400					104.95 111.95	83.29 88.85	65.59 69.97	52.47 55.98			
			450					111.95	99.95	78.71	62.97			
			500						111.06	87.46	69.97			
			560							97.95	78.36			
100	1600		630							110.19	88.16			
100	1000		710								99.35			
			75	29.98	23.98	18.74	14.99	11.99	9.52	7.50	6.00			
			90		28.776	22.49	17.99	14.39	11.42	9.00	7.20	_		
			110 132			27.48 32.98	21.99 26.38	17.59 21.11	13.96 16.75	11.00 13.19	8.80 10.56			
			160			02.70	31.97	25.58	20.31	15.99	12.79			
			185				36.97	29.57	23.48	18.49	14.79			
		800	200					31.97	25.38	19.99	15.99			
		800	220					35.17	27.91	21.99	17.59	95%	0.95-0.9	
			250						31.72	24.98	19.99	,5,0	0.70 0.7	
			280						35.53	27.97 31.46	22.39			
			315 355							35.46	25.18 28.38	-		
			400							33.40	31.98			
			110	54.97	43.98	34.36	27.49	21.99	17.45	13.74	11			
			132		52.77	41.23	32.99	26.39	20.94	16.49	13.19			
			160			49.97	39.98	31.99	25.39	19.99	15.99			
			185			57.78	46.23	36.98	29.35	23.11	18.49			
			200			62.47	49.97	39.98	31.73	24.99	19.99			
			220 250				54.97 62.47	43.98 49.97	34.91 39.67	27.49 31.24	21.99 24.99	-		
		1000	280				02.47	55.97	44.43	34.98	27.99			
			315					62.97	49.98	39.36	31.49	95%	0.95-0.9	
			355						56.33	44.36	35.48			
			375						59.50	46.85	37.48			
			400						63.47	49.98	39.98			
			450							56.22	44.98			
			500 560								49.98 55.97			
			132	82.46	65.97	51.54	41.23	32.99	26.18	20.62	16.49			
			160	02.10	79.96	62.47	49.98	39.98	31.73	24.99	19.99			
			185		92.45	72.23	57.79	46.23	36.69	28.89	23.11			
			200			78.08	62.47	49.98	39.67	31.24	24.99			
			220			85.89	68.72	54.98	43.63	34.36	27.49			
			250			97.6	78.09	62.47	49.58	39.05	31.24			
		1250	280 315			<u> </u>	87.46 98.39	69.97 78.71	55.53 62.47	43.73 49.2	34.98 39.36			
000	1800		315				90.39	78.71 88.71	70.41	49.2 55.44	39.36 44.36	96%	0.95-0.9	
			375					93.70	74.37	58.56	46.85			
			400					99.95	79.32	62.47	49.98			
			450						89.24	70.27	56.23			
			500						99.16	78.08	62.47			
			560							87.45	69.97			
			630							98.38	78.72			
			710	111.95	89.56	69.96	55.97	44.78	35.54	27.98	88.71 22.39			
			160			80.9	64.72	51.77	41.09	32.36	25.88			
			160 185	111.73	103.55			55.98	44.43		27.99			
			160 185 200	111.73	103.55 111.95	87.46	69.97	00.70	44.43	34.98	21.77			
			185	111.73			69.97 76.97	61.57	48.87	34.98	30.79			
			185 200	111.73	111.95	87.46 96.20 109.32	76.97 87.46	61.57 69.97	48.87 55.53	38.48 43.73	30.79 34.98			
			185 200 220 250 280	111.73	111.95	87.46 96.20	76.97 87.46 97.96	61.57 69.97 78.37	48.87 55.53 62.2	38.48 43.73 48.98	30.79 34.98 39.18			
		1400	185 200 220 250 280 315	111.73	111.95	87.46 96.20 109.32	76.97 87.46 97.96 110.2	61.57 69.97 78.37 88.16	48.87 55.53 62.2 69.97	38.48 43.73 48.98 55.1	30.79 34.98 39.18 44.08			
		1400	185 200 220 250 280 315 355	111.75	111.95	87.46 96.20 109.32	76.97 87.46 97.96	61.57 69.97 78.37 88.16 99.36	48.87 55.53 62.2 69.97 78.85	38.48 43.73 48.98 55.1 62.1	30.79 34.98 39.18 44.08 49.68	97%	0.95-0.9	
		1400	185 200 220 250 280 315 355 375	111.75	111.95	87.46 96.20 109.32	76.97 87.46 97.96 110.2	61.57 69.97 78.37 88.16 99.36 104.96	48.87 55.53 62.2 69.97 78.85 83.29	38.48 43.73 48.98 55.1 62.1 65.59	30.79 34.98 39.18 44.08 49.68 52.47	97%	0.95-0.9	
		1400	185 200 220 250 280 315 355 375 400	111.75	111.95	87.46 96.20 109.32	76.97 87.46 97.96 110.2	61.57 69.97 78.37 88.16 99.36 104.96 111.95	48.87 55.53 62.2 69.97 78.85 83.29 88.85	38.48 43.73 48.98 55.1 62.1 65.59 69.97	30.79 34.98 39.18 44.08 49.68 52.47 55.98	97%	0.95-0.9	
		1400	185 200 220 250 280 315 355 375 400 450	111.75	111.95	87.46 96.20 109.32	76.97 87.46 97.96 110.2	61.57 69.97 78.37 88.16 99.36 104.96	48.87 55.53 62.2 69.97 78.85 83.29 88.85 99.96	38.48 43.73 48.98 55.1 62.1 65.59 69.97 78.72	30.79 34.98 39.18 44.08 49.68 52.47 55.98 62.97	97%	0.95-0.9	
		1400	185 200 220 250 280 315 355 375 400	111.55	111.95	87.46 96.20 109.32	76.97 87.46 97.96 110.2	61.57 69.97 78.37 88.16 99.36 104.96 111.95	48.87 55.53 62.2 69.97 78.85 83.29 88.85	38.48 43.73 48.98 55.1 62.1 65.59 69.97	30.79 34.98 39.18 44.08 49.68 52.47 55.98	97%	0.95-0.9	
		1400	185 200 220 250 280 315 355 375 400 450	111.73	111.95	87.46 96.20 109.32	76.97 87.46 97.96 110.2	61.57 69.97 78.37 88.16 99.36 104.96 111.95	48.87 55.53 62.2 69.97 78.85 83.29 88.85 99.96 111.07	38.48 43.73 48.98 55.1 62.1 65.59 69.97 78.72 87.46	30.79 34.98 39.18 44.08 49.68 52.47 55.98 62.97 69.97	97%	0.95-0.9	

- - 6. The roll length corresponding to the standard bandwidth in the selection table is the standard roll length. If the customer requires non-standard roll length, it needs to be recodulated. For example, in some modification projects, due to the limitation of rack space, the roll length needs to be recoduled. So the evaluation needs to be reconfirmed.
- Inter our engin corresponding to the suntanza canonisms in the securior state is the suntanza roa length. The calculation considered the suntanza roa length in the case of the suntanza roa length in the case of the suntanza roa length in the suntanza

THE PERMANENT MAGNET PULLEY DRIVE SYSTEM INSTALLATION DIMENSION TABLE



						-	-		-		A	
Drum diameter												Cooling water pipe. Interface dimension
D(mm)	B(mm)	(kN.m)	Ι.	_			(mm)	_				menade danerakan
			Α	L	М	N	Q	P	Н	h	d0	700/0
500	500	2.7		600	130		350	410	120	50	M24	ZG3/8
500	650	3.5	1000	750	130		350	410	120	50	M24	ZG3/8
500	800	4.1	1300	950	130		350	410	120	50	M24	ZG3/8
630	650	4.1	1000	750	130		480	570	155	46	M24	ZG1
630	650	7.3	1000	750	130		480	570	155	46	M24	ZG1
630	800	6	1300	950	130		480	570	155	46	M24	ZG1
630	1000	6	1500	1150	150	85	480	570	155	46	M24	ZG1
630	1000	12	1500	1150	150	85	480	570	155	46	M24	ZG1
630	1200	12	1750	1400	150	85	480	570	155	46	M24	ZG1
630	1200	20	1750	1400	150	85	480	570	155	46	M24	ZG1
800	800	7	1400	950	200	105	520	640	200	55	M30	ZG1
800	800	12	1400	950	200	105	520	640	200	55	M30	ZG1
800	800	20	1400	950	200	105	520	640	200	55	M30	ZG1
800	1000	12	1600	1150	200	105	520	640	200	55	M30	ZG1
800	1000	20	1600	1150	200	105	520	640	200	55	M30	ZG1
800	1000	27	1700	1150	200	105	520	640	200	55	M30	ZG1
800	1200	12	1850	1400	200	105	520	640	200	55	M30	ZG1
800	1200	20	1850	1400	200	105	520	640	200	55	M30	ZG1
800	1200	27	1850	1400	200	105	520	640	200	55	M30	ZG1
800	1400	20	2050	1600	200	105	520	640	200	55	M30	ZG1
800	1400	27	2050	1600	200	105	520	640	200	55	M30	ZG1
800	1400	40	2050	1600	200	105	520	640	200	55	M30	ZG1
1000	1000	12	1650	1150	270	160	620	750	250	75	M30	ZG1
1000	1000	20	1650	1150	270	160	620	750	250	75 75	M30	ZG1
1000	1000	27	1650	1150	270	160	620	750	250	75	M30	ZG1 ZG1
1000	1000	40	1650	1150	270	160	620	750	250	75 75	M30	ZG1
1000	1200	12	1850	1400	270	160	620	750	250	75	M30	
1000	1200 1200	20 27	1850	1400	270 270	160	620	750 750	250 250	75 75	M30	ZG1 ZG1
1000	1200	40	1850 1850	1400	270	160	620 620	750	250	75	M30	ZG1
1000	1200	52	1900	1400	270	160 160	620	750	250	75	M30	ZG1
1000	1400	20	2100		270		620	750	250	75	M30	ZG1
1000	1400	27	2100	1600	270	160 160	620	750	250	75	M30	ZG1
1000	1400	40	2100	1600	270	160	620	750	250	75	M30	ZG1
1000	1400	52	2100	1600	270	160	620	750	250	75	M30	ZG1
1250	800	52	1500	950	300	150	750	900	290	75	M36	ZG1
1250	1000	52	1650	1150	300	150	750	900	290	75	M36	ZG1
1250	1200	40	1900	1400	300	150	750	900	290	75	M36	ZG1
1250	1200	66	1900	1400	300	150	750	900	290	75	M36	ZG1
1250	1400	40	2100	1600	300	150	750	900	290	75	M36	ZG1
1250	1400	66	2100	1600	300	150	750	900	290	75	M36	ZG1
1400	1000	66	1650	1150	300	150	750	900	290	75	M36	ZG1
1400	1200	80	1900	1400	300	150	750	900	290	75	M36	ZG1
1400	1400	80	2100	1600	300	150	750	900	290	75	M36	ZG1
1400	1400	00	2100	1000	300	130	130	900	290	13	IVISO	201





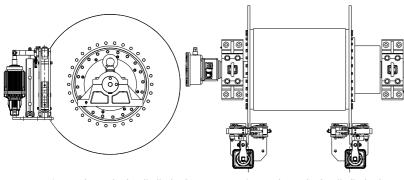
#### **BRAKE SELECTION**

Roldeianteer	Modelofbackstop	BackstopmomentTe/KN*m	Maximumallowablebeltspeed
630	N J 1 6	16	3.5m/s
030	N J 2 5	25	3.5m/s
800	N J 2 5	25	4.2m/s
	N J 3 8	38	5m/s
1000	N J 5 0	50	4.2m/s
	N J 9 0	90	3.15m/s
	N J 1 2 5	125	3.15m/s
1250	N J 1 8 0	180	3.15m/s
1200	N J 2 7 0	270	3.15m/s
	N J 3 2 0	320	3.15m/s
	N J 1 2 5	125	3.6m/s
	N J 1 8 0	180	3.6m/s
1400	N J 2 7 0	270	3.6m/s
	N J 3 2 0	320	3.6m/s
	N J 3 2 0	320	4.2m/s
1600	N J5 2 0	520	4.2m/s

#### Selectionofair-cooledrollerbackstop

滚筒滚径	逆止器型号	逆止力矩Te/KN*m	最大允许带速
630	NJ18	18	3.15m/s
800	NJ40	40	4m/s
1000	NJ68	68	4m/s

#### Luniversalbrake-75kWandbelow



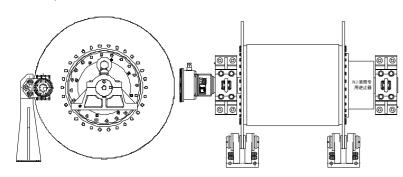
#### Luniversalbrake

500	800	12.8
630	950	14.7
800	1100	16.5
1000	1300	19.45

L-typeelectro-hydraulicdiscbrake

L-typeelectro-hydraulicdiscbrake

#### Hrollerspecialbrake-90kwandabove



#### Huniversalbrake

滚筒	制动盘最小	1 * 闸头制动	j2 * 闸头制动	) 3 * 闸头制动
直径(mm)	直径 (mm)	扭矩 KN M	扭矩 KN M	扭矩 KN M
500	800	20	40	80
630	930	23	46	92
800	1100	28	56	112
1000	1300	34	68	136
1250	1550	42	84	168
1400	1700	48	96	192

H-typespecialhydraulicdiscbrake

H-typespecialhydraulicdiscbrake

### THE PERMANENT MAGNET PULLEY DRIVE SYSTEM SELECTION MANUAL

#### OVERVIEW

ThankyouforchoosingJiaxuanbrandfrequencyconverter, which is a high-tech product integrating digital frequency conversion and speed regulation device and related heat dissipation technology. It provides power for Jiaxuan brand motor and intelligent rollers eries products, and provides heavy loads of tstart, soft stop and running process control. It sproducts are classified as nonexplosion proof and explosion-proof

#### SELECTION PRINCIPLE

The selection is based on the specific operating conditions and rated operating power. The main operating conditions are divided into the following categories:

- 1. The working condition is emulsion pump, belt conveyor, air compressor, transfer motor and hydraulic pump station selected according to heavy load application.
- 2. Fanandwater supply pumps hall be selected according to general application
- 3. Other working conditions shall be determined by the technical personnel of the consulting company and the consulting co

#### DRIVE MAIN CLASSIFICATION

 $\textbf{()} According to the service conditions, it can be divided into explosion-proof and nonexplosion-proof: } \textbf{()} According to the way of heat dissipation, it can be divided into air cooling type and self-cooling type$ Aircooled:allnonexplosion-proofproductsandexplosion-proofproductswithpower= 75KW Explosionproof: Nonexplosionproof: Selfcoolingtype:explosion-proofproductpower<75kW; a Thealtitudeshallnotexceed1000m: a. Various protection levels IP20, IP21, Ip55 b.Theambienttemperatureshallnotexceed-10? to+50? .andthealtitudeshallnot b.Theambienttemperatureshallnotexceed-10? to+50? : c.Therelativehumidityoftheenvironmentisnotmorethan95%(25? ); exceed1000m;  $d. In the mine with the risk of explosion of methane explosive gas and coal \\ c. A void in stall at ion in dark direct light, damp and water y places; \\ d. In the mine with the risk of explosion of methane explosive gas and coal \\ c. A void in stall at ion in dark direct light, damp and water y places; \\ d. In the mine with the risk of explosion of methane explosive gas and coal \\ d. In the mine with the risk of explosion of methane explosive gas and coal \\ d. In the mine with the risk of explosion of methane explosive gas and coal \\ d. In the mine with the risk of explosion of methane explosive gas and coal \\ d. In the mine with the risk of explosion of methane explosive gas and coal \\ d. In the mine with the risk of explosion of of e$ d. A void being installed in places with corrosive, in flammable and explosive gases in the air content of the property of te.Wherethevibrationislessthan0.6g: e.Wherethevibrationislessthan0.6g;  $f. Where the reisno corrosive gas damaging metal and insulating materials; \\ f. Avoid installing in places without and dust; \\ f. Avoid installing in places without and dust; \\ f. Avoid installing in places without and dust; \\ f. Avoid installing in places without and dust; \\ f. Avoid installing in places without and dust; \\ f. Avoid installing in places without and dust; \\ f. Avoid installing in places without and dust; \\ f. Avoid installing in places without and dust; \\ f. Avoid installing in places without and dust; \\ f. Avoid installing in places without and dust; \\ f. Avoid installing in places without and dust; \\ f. Avoid installing in places without and dust; \\ f. Avoid installing in places without and dust; \\ f. Avoid installing in places without and dust; \\ f. Avoid installing in places without and dust; \\ f. Avoid installing in places without and dust; \\ f. Avoid installing in places with a finite place with a finite pla$ g. If only the movement is ordered, it should be noted that the movement is the productg. A place that prevents water from seeping in;h.Installationtype:ClassIII; installedinthecabinetandneedstobeinstalledinthefinalsystem. The final systems hould I.Pollutionlevel:Level3. provide the corresponding fire-proof enclosure, electrical protection enclosure. mechanicalprotectionenclosure, etc., and meet the requirements of local laws and regulationsandrelevantIECstandards.

#### A FEW EXPLANATIONS

() Jiaxuan brand driver supports 1-75 hz frequency output by default. Please consult the technician if you need out of range frequency conversion function and the first property of the property of the

(2) Jiaxuan brand driver only supports Jiaxuan brand motor and intelligent roller by default, and its internal driving algorithm is to provide optimization for Jiaxuan brand motor and intelligent roller.

Non-explosion-proof inverter model

DEFINITION OF JIAXUAN

BRAND INTELLIGENT DRIVE MODEL

JXS — BP — F (1/2) AA BB CC X— BP B/J — AA / BB — CC - X

ode	explain	Со	de	explain
JXS	JiangsuJiaxuanIntelligentIndustrialTechnologyCo.,Ltd		AA	Power(seeattachedtable)
BP	Smartdriveproducts		BB	Voltage(selectoneonly)
F	Non explosion proof: type 1, in-depth cooperation with international brand ABB		CC	Applicationcondition
F	Non explosion proof: type 2, in-depth cooperation with domestic first-line brands			(selectonlyone)
В	Flameprooftype		Х	Accessories(multipleoptions)
J	Flameproofandintrinsicallysafetype			Onlyfillinthedataconfirmationform Notshownonthemodelnameplate

BB: 38:380V \* 66:660V 11:1140V ;

CC: Emulsion pump: RH; 🛍 belt conveyor: PD; 🖸 air compressor: KY; 🗓 transfer motor: ZZ; 🗗 hydraulic pump station: YY; 🖨 fan: FJ; 🗞 Water supply pump: sh:

X: Cabinet: g\*; Ø external operation panel \*: p; Ø sensor: water pipe pressure sensor: I; liquid level sensor; y, gas sensor: W, Wind speed sensor: F; carbon monoxide sensor: C; Ø ultra remote communication control \*: H; Ø ultra remote power transmission \*: K;

- ★¹ Note: 380V only for non explosior★² proof F1 / 2 type note: 1140V only for explosion-proof B type
- \*\*Note: Standard for explosion-proof type, cabinet is explosion-proof enclosure
- ★ 5 Note: the communication distance is more than 50m
- \*\*Note: the distance between explosion-proof motor and driver is more than 300m; the distance between non explosion-proof motor and driver is more than 200m





#### Non-explosion-proof: F1 Voltage: 380 V

Selection label	F	4A					G:
Application condition	Genera	al load	Heav	y load	Core size	Core weight	Non-custom cabinet size
Serial number	Power	Electric current	Power	Electric current	High+width+depth	KG	高 * 宽 * 深度 (mm ) High * width * depth
1	15	30	11	25	420.1172.257	0.4	
2	18 5	36	15	32	420*172*256	9 4	
3	22	43	18 5	38	490*203*333	1/1	
4	30	58	22	45	490*203*333	16 1	
5	37	68	30	61	EU/ +202+222	19 3	
6	45	83	37	72	596*203*333	19 3	
7	55	100	45	87	F/0+2F1+2F7	38 3	2200+000+/00
8	75	138	55	105	569*251*357	38 3	2200*800*600
9	90	161	75	145	(00+204+2/5	47./	
10	110	196	90	169	600*284*365	47 6	
11	132	234	110	206	(01+200+20/	58 6	
12	160	278	132	246	681*300*386	28.0	
13	200	345	160	293	(00+200+412	05.0	
14	200	400	200	363	680*380*413	85 2	
15	250	485	200	361			
16	315	575	250	429	1541*350*506	161	
17	355	634	250	477			
18	400	715	315	566			2200+1000+000
19	450	810	355	625	1741*350*506	199	2200*1000*800
20	500	865	400	725			
21	630	1167	500	878	1541.700.507	222	
22	900	1570	710	1274	1541*700*506	322	

#### Voltage: 660 V

Selection label		AA					G:
Application condition	Genera	al load	Heavy load Core siz		Core size	Core weight	Non-custom cabinet size
Serial number	Power	Electric current	Power	Electric current	High*width*depth	KG	High∗width∗depth
1	15	17	11	14 2			
2	18 5	21	15	18			
3	22	25	18 5	22	F0/ - 202 - 222	10.0	
4	30	33	22	26	596*203*333	19 3	
5	37	40	30	35			
6	45	47	37	42			
7	55	58	45	49	F/0±2F1±2F7	38 3	2200*1350*800
8	75	80	55	61	569*251*357	38 3	2200*1350*800
9	90	93	75	84	600*284*365	47 6	
10	110	113	90	98	000*204*303	47 0	
11	132	135	110	119	681*300*386	58 6	
12	160	165	132	142	001*300*300	30 0	
13	200	200	160	174	680*380*413	85 2	
14	250	257	200	210	080*380*413	85.2	
15	315	320	250	255			
16	355	360	315	325	1541*350*506	1541*350*506 161	
17	400	420	350	360			
18	400	415	355	360			
19	450	455	400	415			
20	500	505	450	455	1741*350*506	199	2200*1350*800
21	560	571	500	505	1/41*350*500	199	2200*1330*600
22	630	630	560	571			
23	710	705	560	571			
24	800	791	630	678	1541*700*506	322	
25	1000	1051	900	929	1741*700*506	400	
26	1200	1297	1000	1051	1/41*/00*506	400	

### Non-explosion-proof: F2

#### Voltage: 380 V

Selection label	А	ı <b>A</b>					G:
Application condition	Genera	l load	Heavy load		Core size	Core weight	Non-custom cabinet size
Serial number	Power	Electric current	Power	Electric current	High*width*depth	KG	High*width*depth
1	15	32	11	25	280*180*170	4 3	
2	18 5	37	15	32	350*210*192	9 1	
3	22	45	18 5	37	300*210*192	9.1	
4	30	60	22	45	400*250*220	17 5	
5	37	75	30	60	400*250*220	1/5	
6	45	91	37	75	542*300*275	35	
7	55	112	45	91	342*300*273	35	
8	75	150	55	112			
9	90	176	75	150	580*338*315	51 5	
10	110	210	90	176			2200*800*600
11	132	253	110	210	915*400*320	0.5	2200*000*000
12	160	304	132	253	915*400*320	85	
13	200	377	160	304	1134*360*500	110	
14	220	426	200	377	1134*300*300	110	
15	250	465	220	426	1204+200+545	455	
16	280	520	250	465	1284*390*545	155	
17	315	585	280	520			
18	355	650	315	585	1405.400.545	405	
19	400	725	355	650	1405*400*545	185	
20	450	820	400	725			

### Explosion-proof: B Voltage: 660 V

Selection label	А	A					G:	
Application condition	Genera	l load	Heavy load		ad Core size		Non-custom cabinet size	
Serial number	Power	Electric current	Power	Electric current	High*width*depth	KG	High*width*depth	
1	55	65	45	43				
2	75	86	55	65			1350*1470*800+450	
3	90	100	75	86		1050	Heat dissipation	
4	110	120	90	100				
5	132	150	110	120				
6	160	175	132	150				
7	200	215	160	175		4700	1450*1630*800+480	
8	220	245	200	215		1730	Heat dissipation	
9	250	260	220	245				

#### Voltage: 1140 V

Selection label	A	A					G:	
Application condition	General load		Heavy load		Core size	Core weight	Non-custom cabinet size	
Serial number	Power	Electric current	Power	Electric current	High*width*depth	KG	High*width*depth	
1	55	37	45	30				
2	75	50	55	37		1070	1460*1350*800+450  Heat dissipation	
3	90	59	75	50		1370		
4	110	70	90	59				
5	132	91	110	70				
6	180	117	132	91			1350*1730*800+480	
7	200	130	180	117		1370		
8	220	148	200	130			Heat dissipation	
9	250	157	220	148				
10	315	200	250	157				
11	355	226	315	200		4=00	1390*2000*950+650	
12	400	248	355	226		1730		
13	450	281	400	248			Heat dissipation	





#### ORDER DATA SHEET

Orc	ler number				Sales leader			
Custor	ner full nar	ne			elephone			
Cont	act mailbo	x			Equipment name			
Inst	allation site				JASUNG Intelligent Roller I	Vlodel		
Nameplate m	narking requ	uirements						
Oriç	jinal power				Single service voltage	3	380 V 660V 114	10
Explosion-	oroof requir	rement	Yes	No	Rated current			
Conve	yor belt wid	dth		Tape speed		Drum length		
Conveyer	inclination	angle		Driving drum diameter		Lifting height		
Conv	eyor lengtl	'n		Ambient temperature	Highest	Lowest		
Overload	multiple of	drum			Times (default 2.2 time	s)		
	Brake		Yes No	Original braking mode	Lock brake <sub>i</sub> õ	Lock brake	i Õ	
Original br	ake power	source	Hydraulic press	ure ¡ ő Electromagnetic	+ mechanical ¡ Õ Machine	y <sub>i</sub> õ		
E	Backstop		Yes No	Whether the drum is reversed	Yes No			
Trum	pet numbe	r	Standard 2	Other requirements	Original main cable outer diameter			
Drum wrap	ping requir	ements	Ceramic <sub>i</sub> õ	Non-ceramic coatir	ng <sub>i</sub> Õ			
Drum (	cooling mo	de	Natural cooli	ng (below 22KW) ¡ Õ	Forced air cooling <sub>i</sub> õ	Watercoo	oling <sub>i</sub> Õ	
Bea	aring brand	I	SKF <sub>i</sub> õ NT	N <sub>i</sub> õ FAG <sub>i</sub> õHaax	is <sub>i</sub> õ			
Water-cooled circu	ulation system	n equipment	Yes	No				
Air coo	ler equipm	ent	Yes	No				
	Α	Internal spa	ce on both sides of the rack.					
	В	Bearing sea	t center distance.			H .	4	
	С	Bearing sea	t radial hole distance.			-	1	
	D	Fixed hole	diameter.		0.0	0,0		
(mm)	Е	Bearing sea	t axial hole distance.		0:0	0 0		
Installation. Space.	F	Bearing sea	t					
Size. Requirements	ØD	Original dru	m diameter.			H I	+1	
	L	Original dru	ım length.					
	Ød	Maximum :	allowable diameter					

Jiaxuan drive model  Whether the drive is explosion-proof  Control mode  Distance between motor and driver.	Description: provide rem Includes star analog -), po	after checking the "remo ote switch quantity detail rt-stop control (two-wire	ls.	mode (see "Standard Co ntrol (normally closed co	mmunication Contro	Four quadrant  ol address detail list" in the instructions for use), or en control -), acceleration and deceleration (switch-/ ons.
Whether the drive is explosion-proof  Control mode  Distance between motor and driver.	Description: provide rem Includes star analog -), po	after checking the "remo ote switch quantity detail rt-stop control (two-wire	Yes  ation: Modbus-Profibus-2, remote switc tet" option, check the communication r ls. control-/ three-wire control-), reset cor	No No ch control -). mode (see "Standard Co	mmunication Contro	ol address detail list" in the instructions for use), or en control -), acceleration and deceleration (switch-/
Control mode  Control mode  Distance between motor and driver.	Description: provide rem Includes star analog -), po	after checking the "remo ote switch quantity detail rt-stop control (two-wire	ation: Modbus-Profibus-2, remote switc tet" option, check the communication r ls. control-/ three-wire control-), reset cor	ch control -). node (see "Standard Co	ontrol-/ normally ope	en control -), acceleration and deceleration (switch-/
Distance between motor and driver.	Description: provide rem Includes star analog -), po	after checking the "remo ote switch quantity detail rt-stop control (two-wire	te" option, check the communication r ls. control-/ three-wire control -), reset cor	mode (see "Standard Co ntrol (normally closed co	ontrol-/ normally ope	en control -), acceleration and deceleration (switch-/
	Yes I					
to it any depend of the property could	Yes I					
Is it equipped with power cable.		Model	Length	No		
Multi-drive synchronization.	Yes	No				
Positive and negative function.	Yes	No				
Distance between remote control point						
Allowable voltage fluctuation range.	The defau	lt 85% 110% car	n be stable output, out of ran	ge need to be desc	cribed	
Cooling vulnerable fittings	Yes	No	Drive overload multiple			Times (default 1.5 times, 30s
			Box size	height × wid	th × depth	Data must be provided for the special size of the bo
			Exit keyboard + line	Yes	No	
	.,		Output reactor	Yes	No	Recommended installation of drum and drive wiring distance of more than 200 m
Non-explosion-proof. Drive cabinet. Whether it is equipped or not	Yes	No	Input filter	Yes	No	More than 90KW inverter installed
			Incoming switch	Yes	No	
			Electric energy meter (installed on cabinet surface)	Yes	No	
			Other additions and customer requ	uirements		