

Φ67 400W/800W Direct Drive Sorting Roller For Cross Belt Weighing Sorting System

Our Product Introduction

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Basic Information

- Place of Origin: China Jiangsu
- Brand Name: Winroller
- Certification: CE, ROHS2.0, EMC, ISO9001
- Model Number: Winroller DDGD67 Direct Drive Sorting Roller
- Minimum Order Quantity: 1stick
- Price: Contact Us
- Packaging Details: Wooden case
- Delivery Time: 7-15 word days
- Payment Terms: TT, L/C
- Supply Ability: 1000000/year



Product Specification

- Product Name: Φ67 Direct Drive Sorting Roller
- Diameter: 67mm
- Voltage: 48V, 72V, 220V
- Power: 300W, 400W, 800W
- Motor Type: Permanent Magnet Servo Motor
- Load: 20kg, 35kg, 60kg
- Length: 428L~1200L
- Application: Cross Belt, Weighing, Sorting Trolley
- Highlight: **800W direct Drive Roller, 400W direct Drive Roller, 800W powered conveyor roller**



More Images



Product Description

Φ67 400W/800W Direct Drive Sorting Roller For Cross Belt Weighing Sorting System

Function of Φ67 400W/800W Direct Drive Sorting Roller

Motor type: permanent magnet servo motor
 Input voltage :48V/72V/220V
 Rated power :300W/400W/800W
 Length:428L~1200L
 Outer diameter:φ67
 Load:20kg/35kg/60kg
 Application: cross belt, weighing, sorting trolley

Application of Φ67 400W/800W Direct Drive Sorting Roller

The DGDD67 direct drive drum motor provides an efficient, reliable and energy saving solution for crossbelt sortation systems with its outstanding performance and innovative technology. Whether in e-commerce logistics, courier sorting or industrial automation the DGDD67 is the ideal choice for improving sorting efficiency and reducing operating costs.

Technical Parameters of Φ67 400W/800W Direct Drive Sorting Roller

Φ67 400W/800W Direct Drive Sorting Roller

Application	Φ67 Direct Drive Sorting Roller For Cross Belt Weighing Sorting System	Diameter	67mm
Voltage	48V, 72V, 220V	Power	300W, 400W, 800W
Motor Type	Permanent Magnet Servo Motor	Load	20kg, 35kg, 60kg
Length	428L~1200L	Linear Velocity	1-3.5M/S
Rated Speed	350-1000rpm		

Rotary transformer servo control, position sensor is inductive encoder, there is no electronic component in the electric roller, with strong environmental adaptability, no fear of electrostatic threat, and zero maintenance of equipment. 12-bit commercial A/D converter, 5-pole motor design, resolution up to 20480, and recognition down to 0.0176 degrees. High-precision position recognition, high-accuracy real-time control, and response speed as low as 0.05s. With excellent performance, our servo direct-drive electric roller is often used in industries with high hygiene requirements:

1. In the food packaging industry, it can provide clean and quiet operation without using oil and grease.
2. Industries requiring quick response and simple control, such as express industry. With freely selected conveying speed and instantaneous driving power of up to 1500w, it can perform the sorting role in the 1800 times/h cycle operation of the single packing table and the overall delivery of 20000 pieces/hour.
3. For occasions with high noise requirements, it provides a better solution for driving the conveyor with its unique gearless design.

Electric roller Motor parameters

Electric roller Motor parameters

Project	Specifications	Explain
Motor Type	DC brushless motor(BL DC)	
Motor Type	Outer rotor motor	
Voltage	DC48V+-10%	
Number of poles	10	5 pairs of poles
Rated power range	400W	
Speed range	300-762r/min	
Rated torque	6N.m	
Instantaneous maximum torque	18N.m	Not more than 4 seconds
Working system	Indirect working system 25%	Determined according to ambient temperature

Parameters of Electric Roller Driver

Parameters of Electric Roller Driver

Drive type	DC brushless servo driver	Explain
Input rated voltage	DC48V	
Driver rating	400W	Intermittent working system 25%
Drive size	155mm*147.1mm*42mm	
Communication modeA	rs485	38400bps,N,8,1
Power interface	Plug42000-6P (5557)	nylon (PA66) ,UL94V-2/0
	Terminal42000-21RT(5556)	Phosphor bronze (C5191) Wire gauge: 0.12~0.5mm ² , 26~20AWG Outer diameter of wire: 1.1~1.9mm
communication interface	Plug42000-10P(5557)	Nylon (PA66), UL94V-2/0
	Terminal42000-01RT(5556)	Phosphor bronze (C5191) Wire gauge: 0.032~0.08mm ² , 32~28AWG Outer diameter of wire: 0.5~1.0mm
Motor interface	Special interface	
Motor Hall interface	Special interface	
Operating ambient temperature	-20~+85	
Operating ambient humidity	Less than 85%	No water drops and rain

Feature Picture of $\Phi 67$ 400W/800W Direct Drive Sorting Roller





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