

48V 300W DC Gearless Motor Logistics Belt Conveyor Roller For Express And E-Commerce Industry Fast Sorting System

Our Product Introduction

Basic Information

- Place of Origin: China Jiangsu
- Brand Name: Winroller
- Certification: CE,SGS,ISO9001,ROHS,UL
- Model Number: Winroller 48V 300W DC Gearless Motor Logistics Belt Conveyor 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

- Features: Compact, Lightweight, High Positional Accuracy And High Torque
- Product Name: 48V 300W DC Gearless Motor Logistics Belt Conveyor Roller
- Input Voltage: DC48V
- Power: 300W
- Diameter: 50mm , 67mm
- Maximum Load: 60kg
- Speed Range: 350 ~ 1000 R/min
- Insulation Class: F
- Drum Length: Customizable
- Application: Food Industry, Packaging Industry, Express Industry, E-commerce Industry
- Highlight: **Logistics Belt Conveyor Roller, Gearless Motor Belt Conveyor Roller, Gearless Motor electric conveyor roller**



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Product Description

48V 300W DC Gearless Motor Logistics Belt Conveyor Roller For Express And E-Commerce Industry Fast Sorting System

Features Overview of 48V 300W DC Gearless Motor Logistics Belt Conveyor Roller

Designed for logistics sorting, this roller is precisely controlled by non-contact inductive encoders for powerful performance and quiet operation, enabling fast and efficient sorting for high volume handling.

Function of 48V 300W DC Gearless Motor Logistics Belt Conveyor Roller

Efficient Power Transmission: Provides smooth and reliable motion without the need for gears, reducing wear and maintenance.

High Torque Output: Delivers strong torque to handle heavy loads, enhancing productivity in logistics operations.

Precise Speed Control: Allows for adjustable speed settings, accommodating various conveyor applications and requirements.

Quiet Operation: Minimizes noise during operation, making it suitable for noise-sensitive environments.

Compact Design: Facilitates easy integration into existing conveyor systems with limited space.

Robust Durability: Designed to withstand harsh conditions, including moisture, dust, and temperature variations.

Maintenance-Free: Eliminates the need for regular gear maintenance, providing a reliable long-term solution.

Environmentally Friendly: Operates efficiently, reducing energy consumption and supporting sustainable practices in logistics.

Application of 48V 300W DC Gearless Motor Logistics Belt Conveyor Roller

E-commerce Fulfillment Centers

Distribution Warehouses

Food and Beverage Industry

Pharmaceutical Manufacturing

Postal and Courier Services

Automated Production Lines

Airport Baggage Handling

Technical Parameters of 48V 300W DC Gearless Motor Logistics Belt Conveyor Roller

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Input Voltage	DC48V	Power	300W
Diameter	50mm , 67mm	Maximum Load	60kg
Speed range	350 ~ 1000 r/min	Insulation Class	F
Drum Length	Customizable	Features	Compact, lightweight, high positional accuracy and high torque
Application	Food industry, packaging industry, express industry, e-commerce industry		

Electric roller Motor parameters

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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 48V 300W DC Gearless Motor Logistics Belt Conveyor Roller





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