

## Φ67 Rubber-Coated Direct Drive Logistics Sort Roller For E-Commerce, Express Logistics, Automated Production

Our Product Introduction

for more products please visit us on [drum-roller.com](http://drum-roller.com)

### Basic Information

- Place of Origin: China Jiangsu
- Brand Name: Winroller
- Certification: CE, ROHS2.0, EMC, ISO9001
- Model Number: Winroller Φ67 Rubber-Coated Direct Drive Logistics Sort Roller
- Minimum Order Quantity: 1 stick
- Price: Contact Us
- Packaging Details: Wooden case
- Delivery Time: 7-15 word days
- Payment Terms: TT, L/C
- Supply Ability: 1000000/year

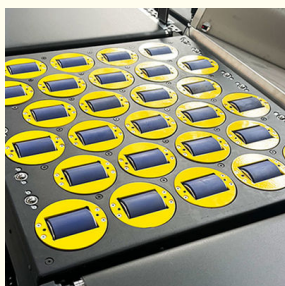


### Product Specification

- Product Name: Φ67 Rubber-Coated Direct Drive Logistics Sort Roller
- Cylinder Diameter: 67mm
- Rated Voltage: DC48V
- Rated Power: 100W
- Drive Type: 1 Drag 24 Drives
- Maximum Torque: 2N-M
- Rated Speed: 350-1000RPM
- Drive Communication Mode: RS485
- Application: E-Commerce, Express Logistics, Automated Production
- Highlight: **100Watt Rubber Covered Conveyor Rollers, 100Watt Rubber coated Conveyor Rollers, Automated Production Rubber Covered Conveyor Rollers**



### More Images



## Product Description

### Φ67 Rubber-Coated Direct Drive Logistics Sort Roller For E-Commerce, Express Logistics, Automated Production

#### Features Overview of ScΦ67 Rubber-Coated Direct Drive Logistics Sort Roller

The Φ67 Direct Drive Logistics Sort Roller features robust construction with a rubber-coated surface, efficient power transmission, reliable performance in various logistics applications, including e-commerce fulfillment centers, parcel sorting facilities, and automated warehouse systems.

#### Function of Φ67 Rubber-Coated Direct Drive Logistics Sort Roller

The Φ67 Direct Drive Logistics Sort Roller is designed to optimize material handling in logistics and sorting applications. Its direct drive system ensures efficient power transmission, reducing energy consumption while maintaining high performance.

The rubber-coated surface provides excellent traction, allowing for secure movement of items, minimizing slippage during operation. This feature is particularly beneficial in environments where packages vary in size and weight, ensuring smooth and reliable sorting.

Additionally, the roller's durable construction enhances its longevity, making it suitable for high-traffic areas in e-commerce fulfillment centers, courier sorting facilities, and automated warehouses. Overall, the Φ67 sort roller improves sorting efficiency, reduces operational costs, and contributes to a seamless logistics workflow.

#### Application of Φ67 Rubber-Coated Direct Drive Logistics Sort Roller

**E-commerce Fulfillment Centers:** The roller efficiently handles the high volume of packages, ensuring quick and accurate sorting to meet customer demands.

**Parcel Sorting Facilities:** It provides reliable performance for sorting parcels of various sizes and weights, enhancing overall throughput and operational efficiency.

**Automated Warehouse Systems:** Integrated into conveyor systems, the roller facilitates smooth item movement and sorting in automated environments, optimizing space and resource utilization.

**Manufacturing and Assembly Lines:** The roller aids in the movement of components within production processes, contributing to streamlined operations and increased productivity.

**Distribution Centers:** By ensuring effective sorting and transportation of goods, the roller plays a crucial role in maintaining efficient supply chain operations.

#### Technical Parameters of Φ67 Rubber-Coated Direct Drive Logistics Sort Roller

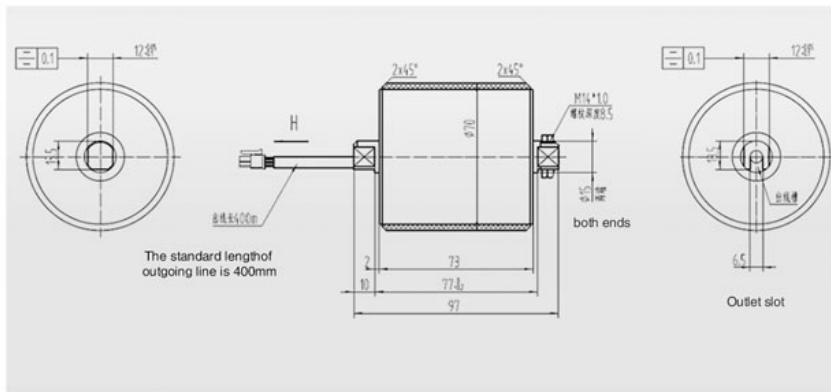
Φ67 Rubber-Coated Direct Drive Logistics Sort Roller

Application	Φ67 Rubber-Coated Direct Drive Logistics Sort Roller For E-Commerce, Express Logistics, Automated Production	Cylinder Diameter	67mm
Rated Voltage	48V	Rated Power	100W
Maximum Torque	2N-M	Rated Torque	1N-M
Rated Speed	350-1000RPM	Drive Type	1 Drag 24 Drives
Drive Communication Mode	RS485		

**DGDD DC brushless motor parameters**

	Insulation class	Specifications	Explain
Motor type		DC brushless motor	
Motor type		Outer rotor motor	
Outer diameter of drum	mm	70	Glue coating 2mm
Rated voltage	v	DC48	+/-10%
peak current	A	10	
Rated power	W	50	S1 working system
Peak torque	N.m	2	
Speed range	rpm	350-1000	
Linear speed range	m/s	1-3.5	
Insulation class		F	

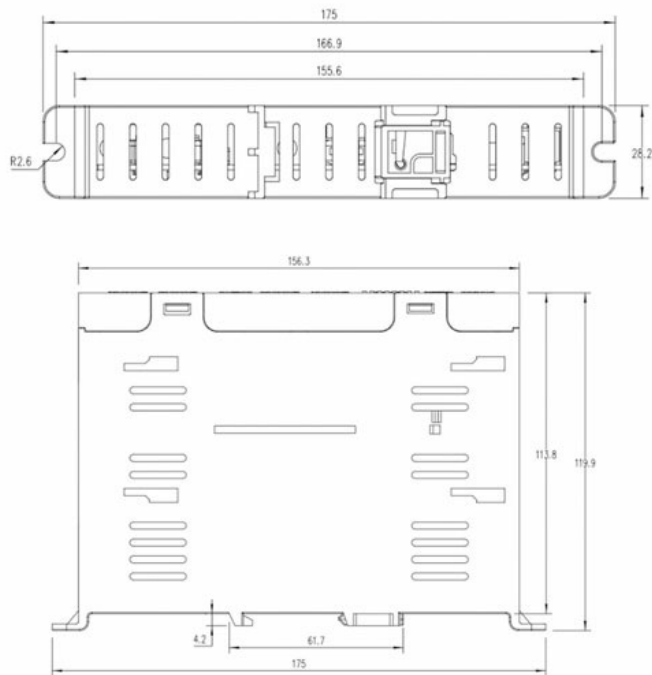
**Sorting wheel Outlining Dimensions**



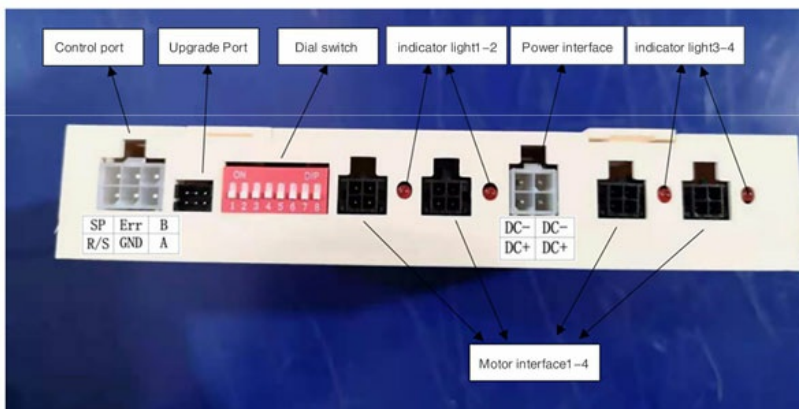
## Main parameters of small cycloid drive

	Unit	Specifications	Explain
Drive type		DC brushless driver	No sensor
Rated voltage	V	DC48V+/- 10%	DC stabilized voltage source
output power	W	100*4	100W per motor interface
Drive size	mm	175*120*35.2	
Drive communication mode		RS485	38400 bps, N, 8,1 free protocol
Operating ambient temperature	°C	-25-60	
Operating ambient humidity		Less than 85%	No condensation
Protection grade		IP20	No special protection against water or moisture; Prevent diameter

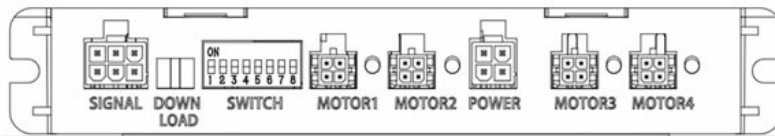
## Drive appearance size



## Driver interface definition



## Interface and switch description



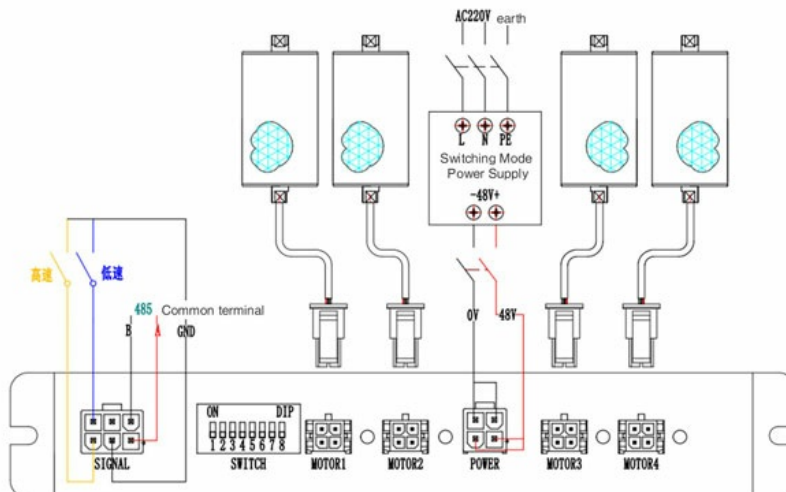
Name	Adaptor	Port definition	remarks
Power interface	HX42000-4R	DC+	48V DC power supply positive
		DC-	DC - 48V DC power supply negative
control interface	HX42000-6R	SP	High and low speed switching (invalid low speed, effective high speed)
		R/S	Operation enable (invalid stop, effective operation)
		Err	Open circuit output of triode collector (fault output 0V, normal suspension)
		GND	Signal reference ground (provide 0V effective level for R/S and SP)
		B	485 interface B
		A	485 interface A

control mode	Dial number	Dial definition	remarks
I/O	1-3	Lb0-Lb3	Set the speed of roller running at low speed (SP port invalid)
	4-6	Hb0-Hb3	Set the speed of roller running at low speed (SP port invalid)
	7	retain	retain
	8	Running direction	Motor rotation direction
485	1-6	addr0-addr5	Set 485 communication address, setting range 1-63.
	7-8	retain	retain

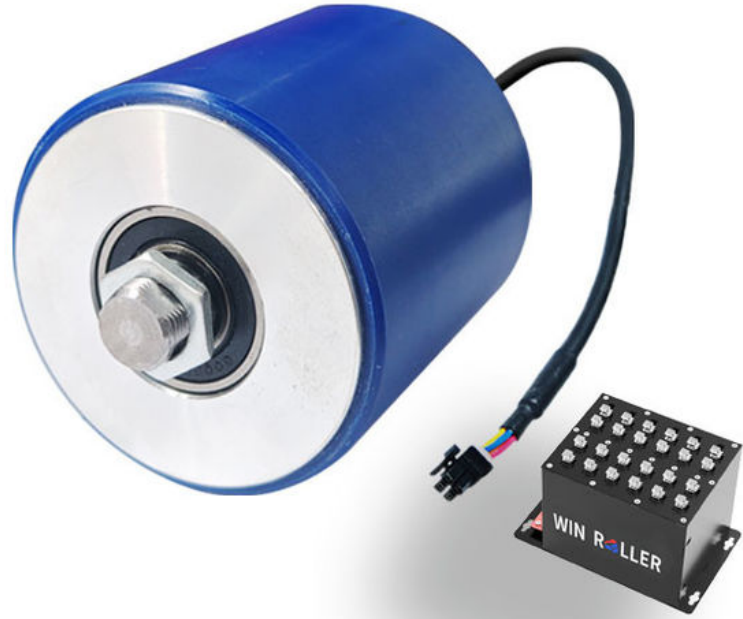
## Test wiring example

Infrared module driver installation requirements:

The connection between the driver and the power supply and the electric roller, and the simple wiring example of the control part are shown in the following figure. I/O control is recommended for testing. R/S and GND are short-circuited for low-speed operation; Short-circuit SP and GND under operation status and switch to high-speed operation.



## Feature Picture of $\Phi 67$ Rubber-Coated Direct Drive Logistics Sort Roller







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