

Heavy Pallets Sprocket Drive Motor Roller Conveyor Line Drum Diameter 76mm

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 Heavy Pallets Sprocket Drive Motor Roller Conveyor Line Drum Diameter 76mm
- 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: 500000/year



Product Specification

- Product Name: Heavy Pallets Sprocket Drive Motor Roller Conveyor Line Drum Diameter 76mm
- Diameter: 76mm
- Maximum Load: 3000kg
- Voltage: 24V, 48V
- Power: 100W, 200W, 300W
- Type: DC Brushless Gear Deceleration Motor Drum
- Protection Level: IP66, IP67
- Cylinder Material: Carbon Steel
- Ambient Temperature: -5C~+40
- Ambient Humidity: 30~90%RH(No Condensation)
- Highlight: **3000kg Load Pallet Conveyor Roller, Pallet Conveyor Roller 76mm, 3000kg Load heavy conveyor roller**



Product Description

Heavy Pallets Sprocket Drive Motor Roller Conveyor Line Drum Diameter 76mm

Function of Heavy Pallets Sprocket Drive Motor Roller Conveyor Line Drum Diameter 76mm

Diameter 76mm pallets drive motor rollers
 The interior integrates a robust multi-stage planetary gear
 Compact structure, good sealing
 Increase the load capacity with a high torque
 Output torque 100W/200W/300W, maximum load can reach 3 tons
 RS485 I/O communication

Application of Heavy Pallets Sprocket Drive Motor Roller Conveyor Line Drum Diameter 76mm

Used in long roller conveyor lines or in environments with heavy loads, such as food processing, medical production, electronic assembly, airport logistics, postal services, distribution and various industries, etc.

Technical Parameters of Heavy Pallets Sprocket Drive Motor Roller Conveyor Line Drum Diameter 76mm

Φ76 Heavy Pallets Sprocket Drive Motor Roller Conveyor Line

Application	Φ76 Heavy pallets sprocket drive motor roller conveyor Line Drum for Heavy Pallets Conveyor Line	Voltage	24V, 48V
Power	100W, 200W, 300W	Diameter	76mm
Type	DC brushless gear deceleration motor drum	Protection Level	IP66, IP67
Maximum Load	3000kg	Cylinder Material	Carbon Steel
Ambient Temperature	-5C~+40	Ambient Humidity	30~90%RH(No condensation)

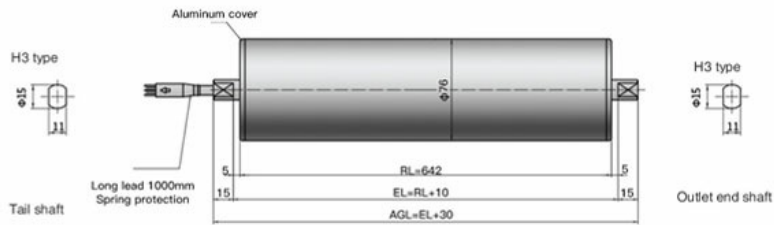
BL76 Technical Data

Brand: winroller	Voltage: 24V/48V
Type: DC brushless gear deceleration motor drum	material: carbon steel
Dimensions: 76mm in diameter	surface treatment: zinc plating (default)
Power: 100W/200W/300W	

	AS mode	HAS mode	HBP mode
Voltage	DC24V/48V		
Rated output power	100W	200W	300W
Rated current	6.1A	12.0A	16.5A
Starting current	18.3A	36.0A	49.5A
ambient temperature	-5C~+40C		
ambient humidity	30 - 90%RH(No condensation)		

Aviation plug type motor interface
 Pipe: steel, galvanized/stainless steel (SUS304)

BL76 Outlining Dimensions—100W



RL = Reference length/Order length * (including capping)
 EL = Installation length
 AGL is the total length of the axis.

DGBL76 100W shortest length – DC

Φ76	100W	
Linear speed (m/min)	48-88	12-28
Internal thread/elastic shaft*	Internal thread	Internal thread
Minimum length of straight rol (mm)	230	250

BL76 Mechanical Parameters—100W

CHARACTERISTICS OF DGBL76-100W DC ELECTRIC ROLLER – 24V/48V

NOMINAL SPEED	RATED SPEED (SPEED RANGE)	MOTOR 100W – STANDARD TYPE			
		24V		48V	
		TORQUE (N.m)		TRACTION (N)	
MMIN		RATED	START	RATED	START
12	1.4-11.5	15.60	122.78	420.62	599.51
18	2.2-18.1	9.98	14.57	262.59	383.39
23	2.7-22.6	7.96	11.62	209.46	305.81
28	3.4-28.3	6.35	9.27	167.08	243.93
45	5.4-44.6	4.03	5.88	105.97	154.71
56	6.7-55.7	3.23	4.71	84.96	124.04
70	8.4-69.8	2.58	3.76	67.77	98.94
88	10.5-87.5	2.05	3.00	54.05	78.92

BOX ELECTRIC ROLLER

Higher power and torque

200W & 300W

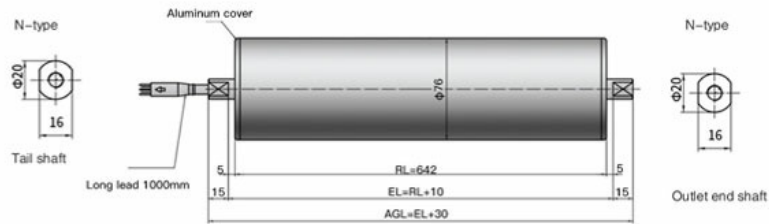
Can drive up to 3000 Kg of pallets



DGBL76-200W

Relevant information

BL76 Outlining Dimensions--200W



RL = Reference length/Order length * (including capping)

EL = Installation length

AGL is the total length of the axis.

DGBL76 200W shortest length – DC

Φ76	200W	
Linear speed (m/min)	35-90	13-30
Internal thread/elastic shaft*	Internal thread	Internal thread
Minimum length of straight rol (mm)	230	250

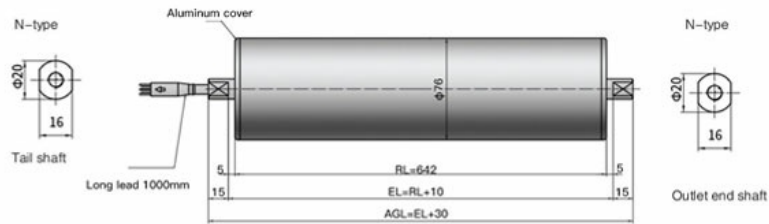
CHARACTERISTICS OF DGBL76-200W DC ELECTRIC ROLLER – 24V/48V

NOMINAL SPEED	RATED SPEED (SPEED RANGE)	Motor 200W – high torque type			
		24V		48V	
		TORQUE (N.m)		TRACTION (N)	
	MMIN	RATED	START	RATED	START
13	1.6 – 13.1	30.98	72.17	815.16	1899.32
17	2.1 – 17.2	23.54	54.85	619.52	1443.48
23	2.7 – 22.6	17.89	41.69	470.84	1097.05
30	3.6 – 29.7	13.60	31.68	357.83	833.75
35	4.1 – 34.4	11.73	27.33	308.70	719.27
42	5.1 – 42.5	9.53	22.21	250.82	584.41
52	6.3 – 52.3	7.74	18.04	203.79	474.83
69	8.3 – 68.8	5.89	13.71	154.88	360.87
90	10.9 – 90.5	4.47	10.42	117.71	274.26

DGBL76-300W

Relevant information

BL76 Outlining Dimensions—300W



RL = Reference length/Order length * (including capping)
 EL = Installation length
 AGL is the total length of the axis.

DGBL76 300W shortest length – DC

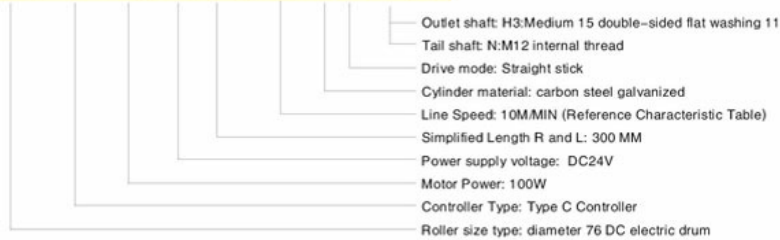
Φ76	300W	
Linear speed (m/min)	35-90	17-30
Internal thread/elastic shaft*	Internal thread	Internal thread
Minimum length of straight rol (mm)	230	250

CHARACTERISTICS OF DGBL76-300W DC ELECTRIC ROLLER – 24V/48V

NOMINAL SPEED	RATED SPEED (SPEED RANGE)	Motor 300W – high torque type				
		24V		48V		
		TORQUE (N.m)		TRACTION (N)		
	MMIN	RATED	START	RATED	START	
	17	2.1 -17.2	32.35	97.04	851.20	2553.60
	23	2.7 -22.6	24.58	73.75	646.91	1940.74
	30	3.6-29.7	18.68	56.05	491.65	1474.96
	35	4.1-34.5	16.12	48.35	424.14	1272.43
	42	5.1-42.4	13.10	39.29	344.62	1033.85
	52	6.2-52.2	10.64	31.92	280.00	840.00
	69	8.3-68.7	8.09	24.26	212.80	638.40
	90	10.9-90.4	6.15	18.44	161.73	485.18

BL76 Model analysis

DGBL76 - C - 100W - 24V - 300L-10 MMIN - X - I - H3N



BL76 Optional parameter table

Roller size type	Diameter	Power	Con-troller	Elegant power supply	speed	Cylinder length	Cylinder material	Linkage mode	Outlet end shaft	Tailend shaft
DGBL	76	100W 200W 300W	C D	24V 48V	reference resources: [b176 Mechanical parameters]	Customizable	X: Galvanizing of carbon steel G: Hard chromium plating on carbon steel P: Wrapped with polyurethane adhesive S3: Stainless steel 304 S2: Stainless steel 201 JT: Rubber JZ: Gluing JP: PVC soft adhesive JG: Stainless steel 304	L: Sprocket #: Knurling I: Straight roll U: Drum type	H3: medium 15 double-sided flat washing 11 H5: medium 20 double-sided flat 16 H52: Medium 20 double-sided flat 16	H3: medium 15 double-sided flat washing 11 H5: medium 20 double-sided flat 16 H52: Medium 20 double-sided flat 16 N2: M12 internal thread

Other voltage and drum shape can be customized.
 * Special requirements: Dustproof and waterproof (IP65) --- HS; Brake: electronic brake or (mechanical brake - Z; Product discharge (adjustable product discharge) --- AU; The elastic axis, TX;
 * The material of cone rod is only (galvanized, stainless steel).

BL76 Linkage mode



BL76 Surface treatment

The standard model of the electric drum designed by our company is not covered by glue by default. If you need, we can do the glue wrapping treatment. The glue surface has plane, herringbone, diamond pattern, etc; Most specifications can have additional functions; For example, in different environments, the exposed parts such as shaft and barrel can be made of wear-resistant and corrosive materials, stainless steel, etc. Silica gel for food industry is food grade. Waterproof roller can be selected for those with waterproof requirements.

POLYURETHANE ADHESIVE

Excellent wear resistance
Low temperature resistance, ozone resistance,
radiation resistance, electrical insulation, good adhesion
Good cushioning and shock absorption
Good oil and drug resistance

PVC SOFT ADHESIVE

Temperature resistance characteristics
Weatherability
Electrical insulation performance
Low surface tension and low surface energy
Physiological inertia

BLACK RUBBER

Good elasticity
Friction,
Prevent slipping, protect goods
Reduce noise

PVC SOFT ADHESIVE

Temperature resistance characteristics
Weatherability
Electrical insulation performance
Low surface tension and low surface energy
Physiological inertia

Note : It's just the typical technical data for you reference, The specification such as voltage, speed, torque, shaft can be customized by your needs. Please contact us for more details. Thanks.

Feature Picture of Heavy Pallets Sprocket Drive Motor Roller Conveyor Line Drum Diameter 76mm





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