

3PH 380V AC Customized Knurled Motorized Drive Roller For Industrial Equipment

Our Product Introduction

for more products please visit us on drum-roller.com

Basic Information

- Place of Origin: China Jiangsu
- Brand Name: Winroller
- Certification: CE, ROHS2.0, EMC, ISO9001
- Model Number: Winroller 3PH380V AC Motor Customized Knurled Motorized Drive 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: 3PH380V AC Motor Customized Knurled Motorized Drive Roller
- Surface Treatment: Customized Knurling , Polyurethane Adhesive
- Voltage: 1PH220V / 3PH220V / 3PH380V
- Motor Type: AC Asynchronous Gear Reduction Electric Drum
- Diameter: 60mm
- Rated Speed: 4~54m/min
- Power: AS / HAS / HBP
- Cylinder Material: Carbon Steel
- Highlight: **380VAC Motorized Drive Roller, Industrial Equipment Motorized Drive Roller, Customized motor driven rollers**



Product Description

3PH380V AC motor Customized Knurled Motorized Drive Roller For Industrial Equipment

Product Description:

The 3PH380V AC motor Customized Knurled Motorized Drive Roller is a versatile solution designed for low-speed and light-load applications. Featuring a unique surface knurling process, this drum not only enhances grip but also increases the friction between the drum and the conveyed materials, ensuring reliable operation even in dynamic environments. This surface treatment improves the overall performance and durability of the drum, making it suitable for various industrial settings.

Powered by a robust AC asynchronous gear reduction motor, the roller operates efficiently across a range of voltages, including 1PH220V, 3PH220V, and 3PH380V. With adjustable linear speeds from 4 to 54 meters per minute, it accommodates different material handling needs while providing flexibility for various applications.

Constructed from high-quality carbon steel with a zinc-coated finish, the roller is designed for longevity and resilience against wear and corrosion. Its diameter of 60 mm and customizable cylinder lengths over 200 mm make it a perfect fit for diverse conveyor systems. Additionally, it supports a variety of coupling options, including O-wheels, synchronous wheels, multi-wedge belts, and chain wheels, facilitating seamless integration into existing setups.

Whether in logistics, packaging, or manufacturing, the AC motor customized knurled motorized drive roller offers a cost-effective and reliable solution for efficient material transportation.

Features:

Product Name: AC Motor Customized Knurled Motorized Drive Roller

Protection Class: P66 / IP67

Rated Speed: 4~54m/min

Voltage: 1PH220V / 3PH220V / 3PH380V

Speed Range: 25HZ-65Hz

Cylinder length: Customized

Motorized Drive Roller

Drive Motorized Roller

Customized Roller

Technical Parameters:

Voltage	1PH220V / 3PH220V / 3PH380V
Cylinder Length	> 200mm
Surface Treatment	Customized knurling , Polyurethane Adhesive
Rated Speed	4~54m/min
Product Category	Motor Powered Drive Roller
Motor Type	AC asynchronous gear reduction electric drum
Material	Carbon Steel
Linkage Mode	O wheel, synchronizing wheel, multi-wedge belt, sprocket, pressing trough
Product Name	3PH380V AC Motor Customized Knurled Motorized Drive Roller For Industrial Equipment
Protection Class	P66 / IP67

Applications:

The DGAC60 Drum Motor Roller, designed for low-speed and light-load situations, is ideally suited for a range of industrial applications:

Warehousing and Distribution: In logistics facilities, the roller efficiently moves light packages along conveyor belts, streamlining sorting and distribution processes.

Packaging Lines: This electric drum is perfect for packaging applications, where it transports products through various stages, ensuring smooth and reliable movement.

Assembly Lines: In manufacturing settings, the roller aids in transporting components along assembly lines, facilitating efficient production workflows.

Food Processing: Its durable construction and corrosion-resistant surface make it suitable for food processing environments, where hygiene and reliability are paramount.

Pharmaceutical Production: The drum can be used in pharmaceutical applications, ensuring safe and efficient handling of products while adhering to strict industry standards.

Recycling Facilities: The roller is effective in recycling and waste management scenarios, moving materials safely and efficiently through processing lines.

By integrating the 3PH 380V AC Customized Knurled Motorized Drive Roller into these applications, businesses can enhance operational efficiency and maintain consistent performance in their material handling processes.

Packing and Shipping:

Product Packaging: Each box conveyor roller will be packed individually in a cardboard box to ensure its safety during shipping. The boxes will be labeled with the product name, quantity, and dimensions for easy identification. **Shipping:** The box conveyor rollers will be shipped via standard ground shipping to the address provided by the customer. Shipping costs will be calculated based on the weight and destination of the order. Customers can expect their order to be delivered within 5-7 business days.

FAQ:

Q1. What is the brand name of these conveyor rollers?

A1. The brand name of these conveyor rollers is Winroller.

Q2. What is the model number of these conveyor rollers?

A2. The model number of these conveyor rollers is Winroller 3PH 380V AC Customized Knurled Motorized Drive Roller.

Q3. What certifications do these conveyor rollers have?

A3. These conveyor rollers are certified by CE, ROHS2.0, EMC, and ISO9001.

Q4. What is the minimum order quantity for these conveyor rollers?

A4. The minimum order quantity for these conveyor rollers is 1 stick.

Q5. What is the delivery time for these conveyor rollers?

A5. The delivery time for these conveyor rollers is 7-15 word days. However, please contact us for pricing and payment terms as well as packaging details, as they may vary based on your specific needs and location.

AC ϕ 60 ELECTRIC ROLLER

DGAC AC gear reduction electric roller is suitable for low speed and light load scenarios.



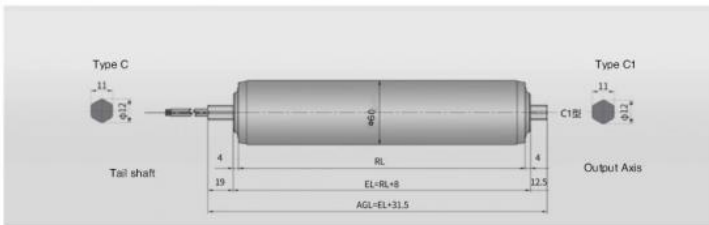
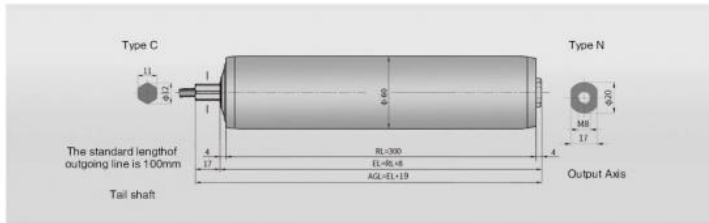
Brand: winroller	Voltage: 1PH220V/3PH220V/3PH380V
Type: AC asynchronous gear reduction electric drum	Power: AS/HAS/HBP <small>(HBP is a high-torque electric roller, which will be introduced separately later)</small>
Dimensions: 60mm in diameter	material: carbon steel
Cylinder length: > 200MM	surface treatment: zinc plating

AC60 Section part indication drawing



- 1.The wire
- 2.The outlet end shaft
- 3.Front bearing seat
- 4.Electric machinery
- 5.Gearbox
- 6.Rotate the flange
- 7.Cylinder wall
- 8.Rear bearing seat
- 9.Tail shaft

AC60 Outlining Dimensions-HAS



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

Minimum roller length of AC diameter 60 electric roller

UNIT: mm

Motor type	HAS - Enhanced			
	5-15		19-48	
Linear speed (m/min)				
Internal thread/elastic shaft	Internal thread	elastic shaft	Internal thread	elastic shaft
Flat cover	305	330	295	320
O wheel	320	320	310	310
Synchronizing wheel	320	320	310	310
Multi-wedge belt	320	320	310	310
Sprocket	300	300	290	290
Aluminum cover	290	315	280	305
Pressing trough	Due to variable factors such as pressure slot position and elastic shaft, please contact our company for the shortest size!			

DGAC60-HAS SINGLE-PHASE AC ELECTRIC DRUM CHARACTERISTIC TABLE - 1PH220V/3PH220V/3PH380V

NOMINAL SPEED	RATED SPEED (RATED)			Single phase motor HAS - reinforced type				Three-phase motor HAS - reinforced type					
				capacitance: 2.5uF Rated power: 14W				3PH220V/3PH380V Rated power: 16W					
				TORQUE (N.m)		TRACTION (N)		TORQUE (N.m)		TRACTION (N)			
				RATED	START	RATED	START	RATED	START	RATED	START		
	m/min	m/s	r/min										
5	4.71	0.08	25.00	5.30	3.50	176.67	116.06	6.00	23.46	200.00	782.00		
6	5.89	0.10	31.26	4.24	2.80	141.33	93.28	4.80	18.77	160.00	625.60		
7	7.36	0.12	39.07	3.39	2.24	113.07	74.62	3.84	15.01	128.00	500.48		
9	9.37	0.16	49.73	2.67	1.76	88.84	58.63	3.02	11.80	100.57	393.23		
12	11.93	0.20	63.32	2.09	1.38	69.80	46.07	2.37	9.27	79.02	308.97		
15	15.18	0.25	80.57	1.65	1.09	54.84	36.02	1.86	7.28	62.09	242.76		
19	18.85	0.31	100.05	1.33	0.87	44.17	29.15	1.50	5.87	50.00	195.50		
24	23.56	0.39	125.05	1.06	0.70	35.33	23.32	1.20	4.69	40.00	156.40		
30	29.45	0.49	156.32	0.85	0.56	28.27	18.66	0.96	3.75	32.00	125.12		
38	37.48	0.62	198.94	0.67	0.44	22.21	14.66	0.75	2.95	25.14	98.31		
48	47.71	0.80	253.24	0.52	0.35	17.45	11.52	0.59	2.32	19.76	77.24		

1. $1\text{ N} = 0.1\text{ kgf}$, $1\text{ N} \cdot \text{m} = 0.1\text{ kgf} \cdot \text{m}$;

2. The values in this characteristic table are only reference values;

⊛ 3. Rated speed refers to the speed under rated voltage and rated load. Overvoltage or undervoltage When there is no load or overload, the speed changes;

⊛ 4. 3PH220V is applicable to 25 Hz - 65 Hz speed regulation by frequency converter, while 3PH380V is not applicable to frequency converter;

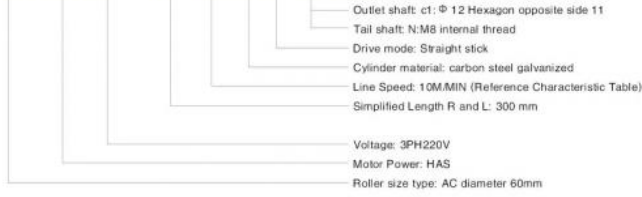
⊛ 5. This table is applicable to sprocket drive mode;

The load of a single drive section of the multi-wedge belt drive mode shall not exceed 100Kg;

O belt drive mode: the load of single drive section shall not exceed 35Kg

AC60 Model analysis

DGAC60 - HAS - 3PH220V - 300L - 10 mm - X - T - C1 N

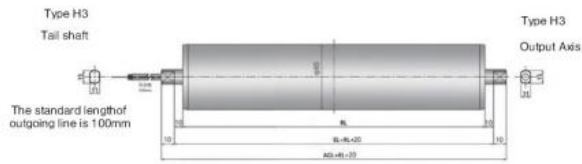


AC60 Optional parameter table-HAS

DGAC	60	HAS	/	1PH220V	10M/min	300L	X	T	H1	N
Roller size type	Diameter	Power	Con-troller	Elegant power supply	speed	Cylinder length	Cylinder material	Linkage mode	Outlet end shaft	Tailend shaft
DGAC	60	HAS (Enhanced)	No controller	1PH220V 3PH220V 3PH380V	reference resources: [AC60 Mechanical parameters]	Customizable	X:Galvanizing of carbon steel G: Hard chromium plating on carbon steel Ni:Nickel 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:silica gel	Q:Multi-wedge belt T: Synchronizing wheel E: O Sheave L:Sprocket O:Sprocket #:Knurling I: Straight roll U:Drum type	H1: Φ 12 Double-sided milling 8 H2: M12 double-sided milling flat 8 C1: Φ 12 Hexagon opposite side 11 C2: M12 hexagonal opposite side 11 D1: Φ 12 Single-sided milling 10 D: Φ 12 Single-sided milling 10	H: Φ 12 Double-sided milling 8 C: Φ 12 Hexagon opposite side 11 N: M8 internal thread
Other voltages and roller shapes can be customized. Φ 60 Electric roller without AS motor Ⓢ Special requirements: dustproof and waterproof (IP65) - HS; Brake (electromagnetic brake) - Z; Accumulation (adjustable accumulation) - AU; Elastic axis - TX; Ⓢ The cylinder material of the taper rod is only (galvanized, stainless steel)										

HBP — High torque type

AC60 Outlining Dimensions—HBP



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

EL = Installation length

AGL is the total length of the axis.

Minimum roller length of AC diameter 60 electric roller

UNIT: mm

Motor type	HBP – High torque type	
Linear speed (m/min)	27-53	6-17
Internal thread	Internal thread	Internal thread
Straight roll	300	320

DGAC60—HBP CHARACTERISTICS OF AC ELECTRIC ROLLER – 1PH2220V/3PH220V/3PH380V

NOMINAL SPEED	RATED SPEED (RATED)			Single phase motor HBP– High torque type				Three-phase motor HBP– High torque type			
				capacitance: 5μF Rated power: 35W				3PH220V/3PH380V Rated power: 40W			
				TORQUE (N.m)		TRACTION (N)		TORQUE (N.m)		TRACTION (N)	
	m/min	m/s	r/min	RATED	START	RATED	START	RATED	START	RATED	START
6	5.62	0.09	29.83	13.34	40.02	444.78	600.45	12.85	53.73	428.48	1791.05
7	7.01	0.12	37.21	10.70	32.1	356.59	481.39	10.31	43.08	343.52	1435.93
11	11.02	0.18	58.49	6.81	20.43	226.88	306.29	6.56	27.41	218.57	913.61
14	13.75	0.23	72.98	5.46	16.38	181.89	245.56	5.26	21.97	175.23	732.47
17	17.23	0.29	91.45	4.35	13.05	145.09	195.87	4.19	17.53	139.77	584.25
27	27.17	0.45	144.21	2.76	8.28	92.02	124.23	2.66	11.12	88.65	370.56
34	33.89	0.57	180.84	2.20	6.60	73.40	99.09	2.12	8.87	70.71	295.58
43	42.49	0.71	225.53	1.77	5.31	58.85	79.45	1.70	7.11	56.69	236.94
53	53.27	0.89	282.75	1.41	4.23	46.94	63.37	1.36	5.67	45.22	189.02

AC60 Optional parameter table-HBP

Roller size type	Diameter	Power	Con-troller	Elegant power supply	speed	Cylinder length	Cylinder material	Linkage mode	Outlet end shaft	Tailend shaft
DGAC	60	HBP (High torque type)	No con-troller	1PH220V 3PH220V 3PH380V	refer-ence resource: [AC60 Mechanical parameters]	Custom-izable	X:Galvanizing of carbon steel G: Hard chromi-um plating on carbon steel Ni:Nickel plating on carbon steel P: Wrapped with polyurethane adhesive S3: Stainless steel 304 S2:Stainless steel 201 JT:Rubber JZ:Gauging JP:PVC soft adhesive JQ:silica gel	T: Synchronizing wheel L:Sprocket #:Knurling I: Straight roll U:Drum type	H3: Φ 15 Double-sided milling 11 C3: M20*1.5 Hexagon opposite side	H3: Φ 15 Double-sided milling 11 C4: Hexagon opposite side 17.3 N2: M12 internal thread N1: M8 internal thread

Other voltages and roller shapes can be customized.
 * Special requirements: dustproof and waterproof (IP65) - HS; Brake (mechanical brake) - Z

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