

ZHAOWEI

Committed to the development of intelligent transportation and delivery,
to become a global supplier of core drive components.

Suzhou Zhaowei industrial Science & Technology Co.,Ltd.
333 Jiulingjiang Road, Suzhou New District, Suzhou City, jiangsu Province

Email: cn.sales@szzhaowei.net **Web:** www.zwgear.com

· Shenzhen · Dongguan · Suzhou · Shanghai · Hong Kong · Germany · USA (under preparation)



WeChat Official
Account



Contact Us



Official website



Tiktok

 **400-066-2287**

DRUM MOTOR PRODUCT SPECIFICATION

Committed to the development of intelligent transportation and delivery,
to become a global supplier of core drive components.

Suzhou Zhaowei industrial Science & Technology Co.,Ltd.
333 Jiulingjiang Road, Suzhou New District, Suzhou City, jiangsu Province

400-066-2287
www.zwgear.com



02 / Conveyor Drum Series 04
 Φ50mm Series 06

03 / Belt Conveyor Drum Series 15

Φ40mm Series	17
Φ50mm Series	18
Φ60mm Series	19
Φ76mm Series	20

Products	Voltage (V)		Output (W)				Diameter (mm)					Protection Level	Ultra-Low Temperature
Drum Motor	24	48	35	50	80	200	50	60	76	80	89	IP66	
Applicable to Straight Lines	●	●	●	●	●	—	●	—	—	—	—	—	—
	●	●	●	●	●	—	●	—	—	—	—	—	●
	●	●	●	●	●	—	●	—	—	—	—	●	—
	●	●	—	—	●	—	—	●	—	—	—	—	—
	●	●	—	—	●	—	—	●	—	—	—	—	●
	—	●	—	—	—	●	—	—	●	●	●	—	—
	—	●	—	—	—	●	—	—	●	●	●	—	●
Applicable to Curved Conveyor	●	●	●	●	●	—	●	—	—	—	—	—	—
	●	●	—	●	●	—	●	●	—	—	—	—	●
Controller													
V. I/O (50/60)	●	●	●	●	●	—	●	●	—	—	—		
V. I/O (50/60)	—	●	—	—	—	●	—	—	●	●	●		
● Applicable — Not Applicable													

Company Profile



Shenzhen Zhaowei Machinery & Electronics Co., Ltd is a micro-drive system manufacturer that designs, develops and manufactures precision transmission systems. ZHAOWEI was listed on the Shenzhen Stock Exchange in 2020. Headquartered in the beautiful coastal city of Shenzhen, we have established branches and offices in Dongguan, Suzhou, Hong Kong, Germany, Shanghai, and the United States, strategically expanding our global presence.

Suzhou Zhaowei Industrial Technology Co., Ltd. is a subsidiary of ZHAOWEI. It is committed to the field of intelligent transportation, providing customers with cost-effective electric drum modules. The company focuses on the R&D, design, and production of the core drive parts of intelligent transportation, specializes in the independent development of the entire industry chain. ZHAOWEI industrial electric drum solutions mainly serve the automated transportation of goods in e-commerce, airports, pharmaceuticals, factories and other fields, aiming to improve operational efficiency and reduce logistics costs.



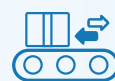
Established
in 2001



National Enterprise
Technology Center



With Registered Capital of
171.4347 Million RMB



Committed to
the field of transportation

Quality Management System

- ZHAOWEI's management system is a core part of the company's operations. From product design and development to all stages of production, all employees at ZHAOWEI strictly adhere to the ISO management system.
- We are committed to managing product risks and improving product reliability in challenging environments.
- Our mission is to provide customers with innovative products that meet their needs.

Product Certification:

CE RoHS



ISO13485 (CN18/42018)



ISO9001:2015 (CN11/30731)



IATF16949 (CN11/30730.01)



ISO14001 (U006616E0153R3M)

Awards and Honors

500+

Intellectual property applied

150+

Patent for invention applied

42+

Software copyright

72+

Enterprise trademark

24+

PCT



- | | | |
|---|---|---|
| 01 National Enterprise Technology Center | 02 Individual Championship for National Manufacturing Industry | 03 The Second Prize for National Scientific and Technological Progress |
| 04 The First Prize for Scientific and Technological Progress of Guangdong Province | 05 Preponderant Enterprise of National Intellectual Property Rights | 06 Special Award for China Machinery Industry Science and Technology |
| 07 Shenzhen Engineering and Technology Research Center | 08 Key Robot Enterprise of Guangdong Province | 09 China Patent Award (Outstanding Award) |
| 10 China Grand Awards for Industry (Commendation Award) | 11 Enterprise of Cultivation for Strategic Emerging Industry of Guangdong Province | 12 Gold Award for China Good Design |



Explanation of Drum Motor's Models

Model: ZWGS2450-0300-108-80-AZ-T1-H1-01

Company Brand

Industrial High-Performance Products

A: Belt Conveyor S: Conveyor

Rated Voltage: 24V DC / 48V DC

Diameter: 50 / 60 / 76 / 80 / 89 mm

Active Length of RI (customized grooving): 250~1500 mm

Gear Ratio: 5 / 7 / 13 / 18 / 25 / 30 / 42 / 65 / 78 / 90 / 108

Rated Output: 35W / 50W / 80W / 200W

Outer Shell Material:

A: Structural Steel / B: Stainless Steel / C: Tapered Bushing / D: 2mmPVC,
E: 5mmPVC / F: 2mmPU / K: 5mmPU

Drive Mode:

Z: Through-type / P: Plastic Multi-V-Belt / O: O-type Belt / L: Dual Sprocket
M: Metallic Multi-V-Belt / N: Timing Belt

Method of Installing the Output Terminal:

T1: HEX 11 with M12 *1 / T2: HEX11 / T3: Double D

Method of Installing the Non-Output Terminal:

H1: Spring-loaded Hex / H2: M8 Internal Thread / H3: M10 Internal Thread

Serial Number

Example:

ZWGS2450-0300-108-80-AZ-T1-H1-01

ZHAOWEI High-Performance Drum Motor——Voltage: 24 V; Diameter: 300 mm; Gear Ratio: 108:1; Structural Steel; Through-type; M12 Hex Bolt; Spring-loaded Hex

Conveyor Drum Series

Smart Solution

ZHAOWEI has launched a new drum motor platform, utilizing entirely self-developed high-performance components including gearbox, motor, and controller. This brings customers a stable and efficient conveyor drum solution. We integrate R&D, production, and sales, providing an efficient one-stop solution for all your conveying needs.



Conveyor Drum:

ZHAOWEI is a global manufacturer of advanced drive components, focusing on the research and production of micro and small electric drums as well as precision reducers. Our products are primarily used in automated solutions for corporate logistics.

Heavy-load Conveying

ZHAOWEI drum motor series products adopt a self-developed locking structure of steel tube.

- 50 mm metal locking structure > 150 N.m
- 60 mm metal locking structure > 180 N.m
- 76 mm metal locking structure > 300 N.m

Number of patent application: 2023101510689

Number of Utility Model Patent: 2023202977237

Customized Design

Interchangeable with mainstream products of the same size



Drive and Control Device:

The drive and control mechanism of ZHAOWEI drum motor

Efficient Conveyance

- The gear parts in the gearbox are processed with high-precision craftsmanship with a single-stage efficiency of over 97%. The overall efficiency ranges from 71.2% to 75.6%, comparable to the leading foreign companies in the industry.
- A wider range of power options is available: 10 W-300 W
- The designed life has been greatly increased from 20,000 hours to 30,000 hours.

The installation and control

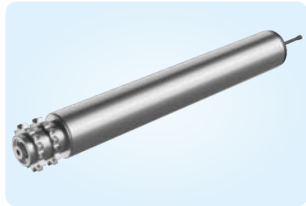
Methods give the product a high adaptability to various brands and models.

Utilizes Structural Steel and Stainless Steel PVC&PU Sleeve Technology

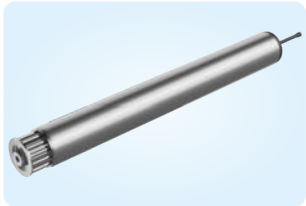
.....

An Overview of Conveyor Series Products

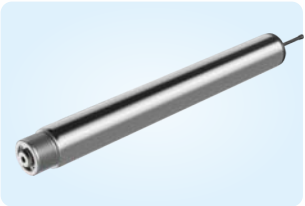
Drum Motor



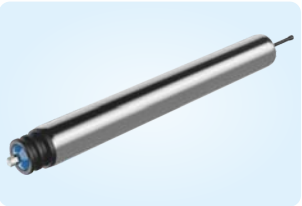
Diameter: 50 mm, cylindrical
Operating Temperature:
0°C~40°C / -30°C ~ 0°C
Page 06



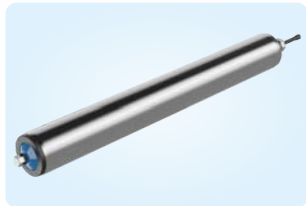
Diameter: 50 mm, cylindrical
Operating Temperature:
0°C~40°C / -30°C ~ 0°C
Page 06



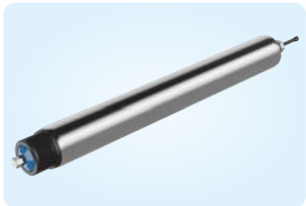
Diameter: 50 mm, cylindrical
Operating Temperature:
0°C~40°C / -30°C ~ 0°C
Page 06



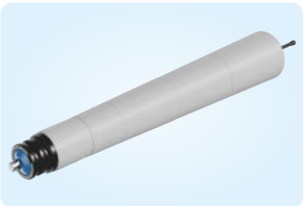
Diameter: 50 mm, cylindrical
Operating Temperature:
0°C~40°C / -30°C ~ 0°C
Page 06



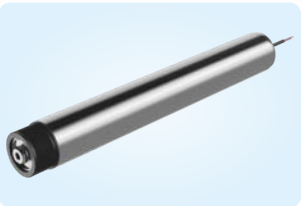
Diameter: 50 mm, cylindrical
Operating Temperature:
0°C~40°C / -30°C ~ 0°C
Page 06



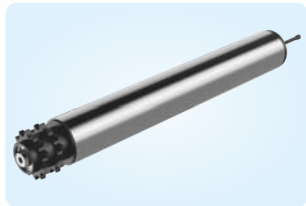
Diameter: 50 mm, cylindrical
Operating Temperature:
0°C~40°C / -30°C ~ 0°C
Page 06



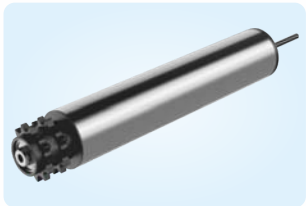
Diameter: 50 mm, conical
Operating Temperature:
0°C~40°C / -30°C ~ 0°C
Page 06



Diameter: 60 mm, cylindrical
Operating Temperature:
0°C~40°C / -30°C ~ 0°C
Page 10

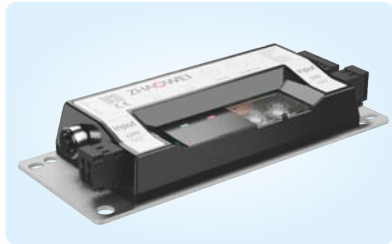


Diameter: 60 mm, cylindrical
Operating Temperature:
0°C~40°C / -30°C ~ 0°C
Page 10

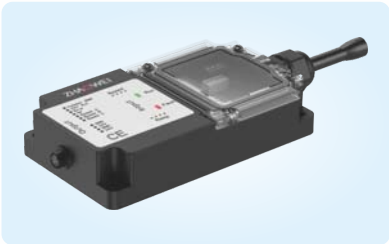


Diameter: 76/80/89 mm, cylindrical
Operating Temperature:
0°C~40°C / -30°C ~ 0°C
Page 12

Control Device



Drive Control
Page 14



Drive Control

Φ50mm Series



Application Area:

Used in box conveyors, such as cardboard boxes, material boxes, platen, or tires. Suitable for straight-line conveyors, mini belt conveyors, especially zero-pressure accumulation conveyors. It can also be used in shuttle systems to coordinate with other conveyors or transfer machines.

Performance Advantages:

- High Efficiency and Energy-saving: Based on the outstanding overall design, its overall efficiency is significantly higher than similar products in the industry.
- Flexible Application:We can provide the commonly used poly V belts, round belts, or timing belts on the market. The motor output shaft has been reasonably optimized. 11 gear ratios can meet a variety of application scenarios.
- Low Noise: ZHAOWEI drum motor can achieve a noise level below 50 dB (<55 dB as market average).

Parameters

Rated Voltage	24V	24V	24V
Rated Current	1.8A	2.7A	4.1 A
Starting Current	4.5A	6.8A	10.5A
Rated Output	35W	50W	80W
Maximum Decibel Level	50dB	50dB	50dB
Cable Length	500mm(Extendable)		
Protection Level	IP54	IP54	IP54
Material of the Pipe	Structural Steel, Stainless Steel		
Size of the Pipe	50x1.5mm		
Rubber Lagging Type	2 mm/ 5 mm PVC rubber sleeve; 2 mm/ 5 mm PU rubber sleeve;		
Shaft Type	11 mm Hex Bolt , M12 X 1 Thread		
Operating Temperature	-30°C ~ 40°C		

Performance Table of 50 mm Series

80 W

Speed Code	Gear Ratio	Rated Speed (rpm)	Rated Linear Velocity (m/s)	Rated Torque (N.m)	Starting Torque (N.m)	Reference Loading* (μ=0.05)KG
S1	5	1380	3.61	0.60	1.49	30
S2	7	986	2.58	0.84	2.09	40
S3	13	531	1.39	1.55	3.88	75
S4	18	383	1.00	2.10	5.24	100
S5	25	276	0.72	2.91	7.28	140
S6	30	230	0.60	3.49	8.73	170
S7	42	164	0.43	4.89	12.22	240
S8	65	106	0.28	7.35	14.71	360
S9	78	88	0.23	8.85	17.70	430
S10	90	77	0.20	10.21	18.00	500
S11	108	64	0.17	12.26	18.00	600

50 W

Speed Code	Gear Ratio	Rated Speed (rpm)	Rated Linear Velocity (m/s)	Rated Torque (N.m)	Starting Torque (N.m)	Reference Loading* (μ=0.05)KG
S1	5	1380	3.61	0.36	0.90	20
S2	7	986	2.58	0.49	1.23	30
S3	13	531	1.39	0.91	2.28	50
S4	18	383	1.00	1.27	3.18	70
S5	25	276	0.72	1.76	4.40	100
S6	30	230	0.60	2.13	5.33	115
S7	42	164	0.43	2.96	7.40	160
S8	65	106	0.28	4.58	11.45	250
S9	78	88	0.23	5.07	12.68	275
S10	90	77	0.20	5.89	14.73	320
S11	108	64	0.17	7.07	17.68	385

*Reference loading is for reference. Please calculate it based on the actual application.

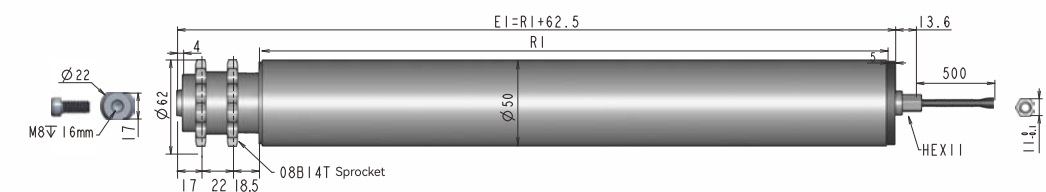
35 W

Speed Code	Gear Ratio	Rated Speed (rpm)	Rated Linear Velocity (m/s)	Rated Torque (N.m)	Starting Torque (N.m)	Reference Loading* (μ=0.05)KG
S1	5	1380	3.61	0.26	0.65	10
S2	7	986	2.58	0.34	0.85	15
S3	13	531	1.39	0.64	1.60	35
S4	18	383	1.00	0.89	2.23	50
S5	25	276	0.72	1.24	3.10	70
S6	30	230	0.60	1.49	3.73	80
S7	42	164	0.43	2.07	5.18	110
S8	65	106	0.28	2.95	7.38	160
S9	78	88	0.23	3.55	8.88	200
S10	90	77	0.20	4.10	10.25	220
S11	108	64	0.17	4.95	12.38	270

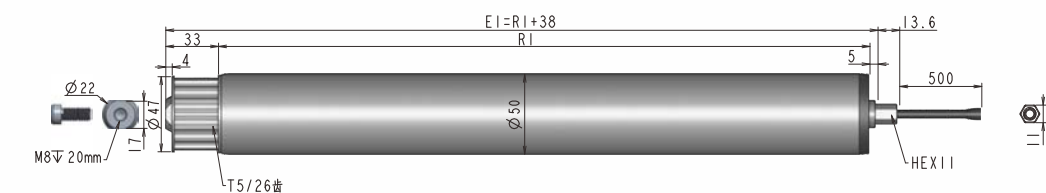
*Reference loading is for reference. Please calculate it based on the actual application.

Dimensions of 50 mm Series

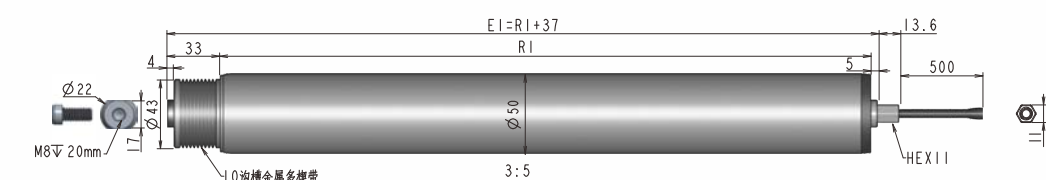
Sprocket:



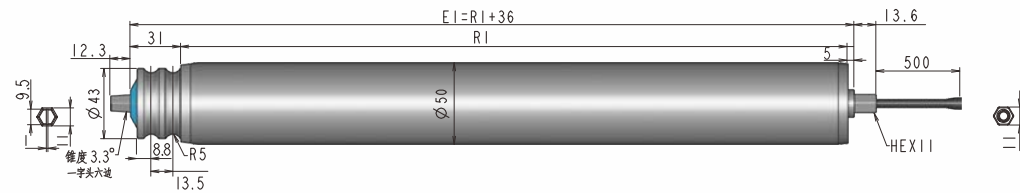
Timing Belt Pulley:



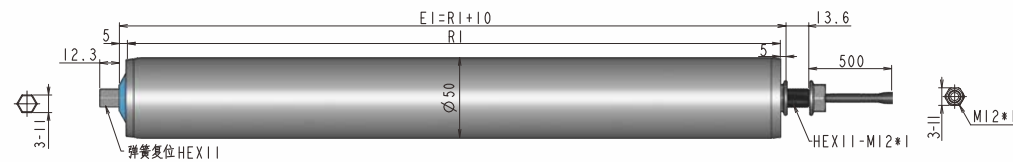
Metallic Multi-V-Belt 10PJ:



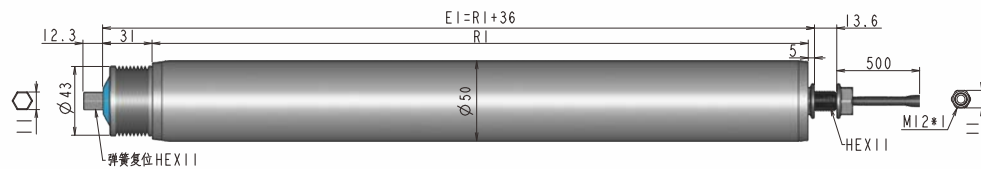
Round Belt Drive Head with Hexagonal Spring Shaft:



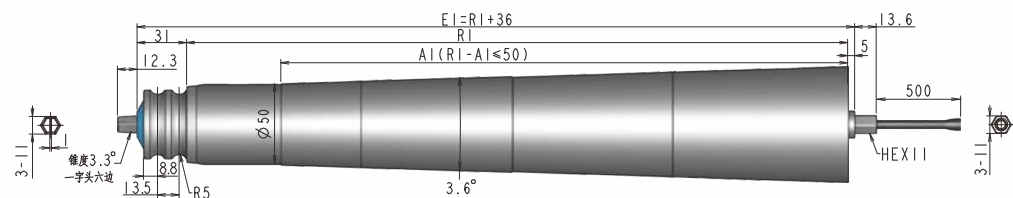
Straight-Through:



Multi-V-Belt:



Conical:



Reference Sizes for Tapered Bushings

Rated Taper Length	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
Minimum Diameter	52.5	55.6	52.5	55.6	52.5	55.6	52.5	55.6	52.5	55.6	52.5	55.6	52.5	55.6	52.5
Maximum Diameter	71.2	77.6	77.6	84.0	84.0	90.4	90.4	96.8	96.8	103.2	103.2	109.9	109.9	116.0	116.0

Φ60mm Series



Application Area:

Used for medium-sized pallet conveying, such as major appliance, truck tires, with a maximum load capacity of 600 KG. This series perform exceptionally well in conveying new energy vehicles.

Performance Advantages:

- High Efficiency and Energy-saving: Based on the outstanding overall design, its overall efficiency is significantly higher than similar products in the industry.
- Universal Design: Shares the same platform and controller of the 50 mm series drum motors.
- Flexible Application: The drive head is made of steel. The motor output shaft has been reasonably optimized for stability under heavy loads. 11 gear ratios can meet a variety of application scenarios.
- Low Noise. ZHAOWEI drum motor can achieve a noise level below 50 dB (<55 dB as market average).

Parameters

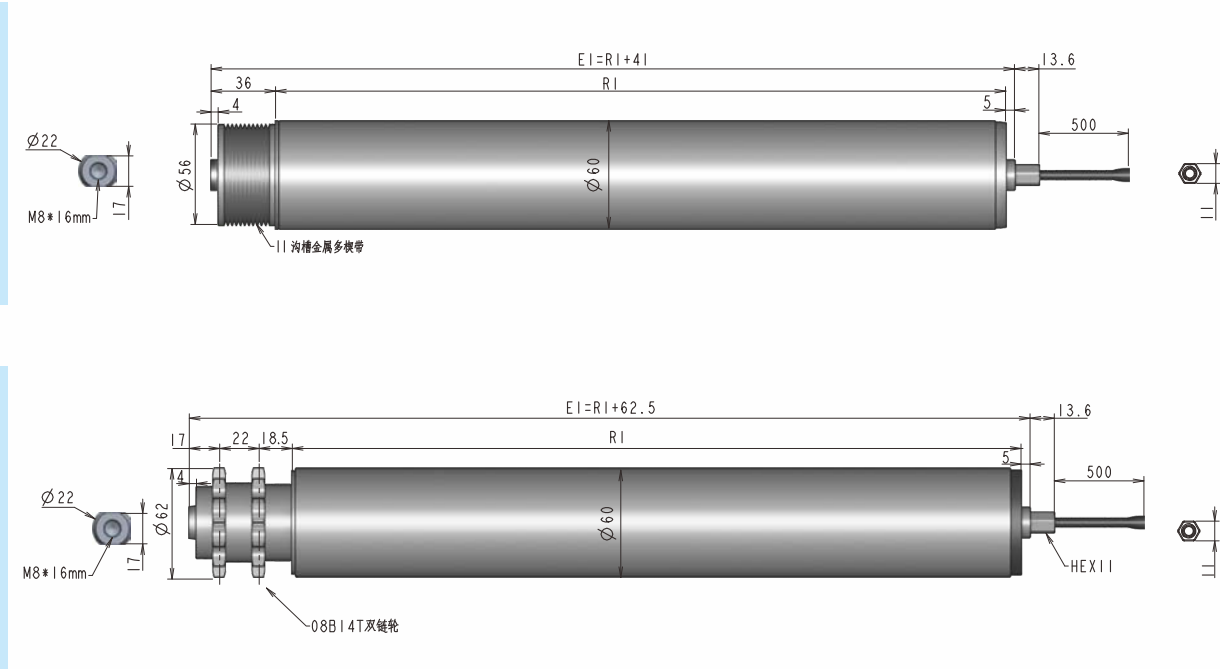
Rated Voltage	24V
Rated Current	4.1 A
Starting Current	10.5A
Rated Output	80W
Maximum Decibel Level	50dB
Cable Length	500mm(Extendable)
Protection Level	IP54
Material of the Pipe	Structural Steel, Stainless Steel
Size of the Pipe	60x2mm
Shaft Type	11 mm Hex Bolt
Operating Temperature	-30°C ~ 40°C

Performance Table of 60 mm Series

Speed Code	Gear Ratio	Rated Speed (rpm)	Rated Linear Velocity (m/s)	Rated Torque (N.m)	Starting Torque (N.m)	Reference Loading* (μ=0.05)KG
S1	5	1380	4.34	0.60	1.49	30
S2	7	986	3.10	0.84	2.09	40
S3	13	531	1.67	1.55	3.88	70
S4	18	383	1.20	2.10	5.24	100
S5	25	276	0.87	2.91	7.28	140
S6	30	230	0.72	3.49	8.73	165
S7	42	164	0.52	4.89	12.22	230
S8	65	106	0.33	7.35	14.71	350
S9	78	88	0.28	8.85	17.70	420
S10	90	77	0.24	10.21	18.00	500
S11	108	64	0.20	12.26	18.00	600

*Reference loading is for reference. Please calculate it based on the actual application.

Dimensions of 60 mm Series



Φ76/80/89 mm Series

Application Area:

Mainly used in pallet conveyors, with a maximum load capacity of 1500 KG. Efficient space utilization provides customers with the perfect drive solution.



Performance Advantages:



- High Efficiency and Energy-saving: Utilizes a 48 V brushless motor combined with a high-performance gearbox, providing higher efficiency and torque.
- Flexible Application: The speed adjustment function within the controller can be used in conjunction with pallet rollers, making the pallet conveyor more flexible.
- Low Noise: ZHAOWEI drum motor can achieve a noise level below 50 dB (<55 dB as market average).
- Easy Installation: Identical to unpowered drum, making installation more convenient.

Parameters

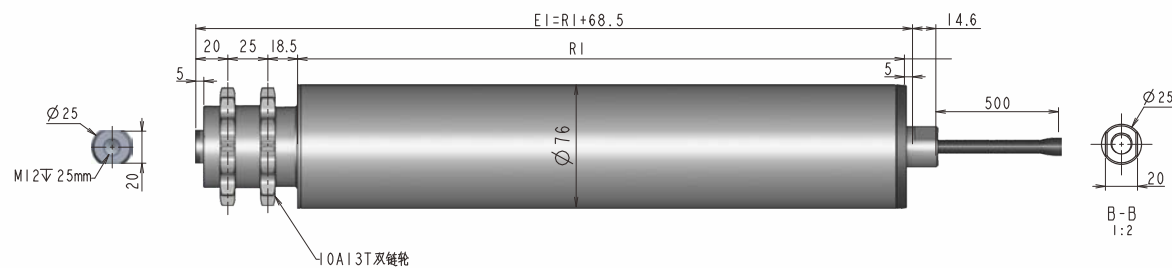
Rated Voltage	48V
Rated Current	5.3 A
Starting Current	10.6A
Rated Output	200W
Maximum Decibel Level	50dB
Cable Length	500mm(Extendable)
Protection Level	IP54
Material of the Pipe	Galvanized Steel Pipe, Stainless Steel
Size of the Pipe	76/80/89 x 3mm
Operating Temperature	-30℃ ~ 40℃

Performance Table of 76/80/89 mm Series

Diameter	Speed Code	Gear Ratio	Rated Speed (rpm)	Rated Linear Velocity (m/s)	Rated Torque (N.m)	Starting Torque (N.m)	Reference Loading* ($\mu=0.05$) KG
Φ76 (200W)	S1	17	265	1.05	8.48	21.21	350
	S2	70	64	0.26	34.23	85.58	1500
Φ80 (220W)	S1	17	265	1.11	8.48	21.21	300
	S2	70	64	0.27	34.23	85.58	1400
Φ89 (220W)	S1	17	265	1.23	8.48	21.21	280
	S2	70	64	0.30	34.23	85.58	1200

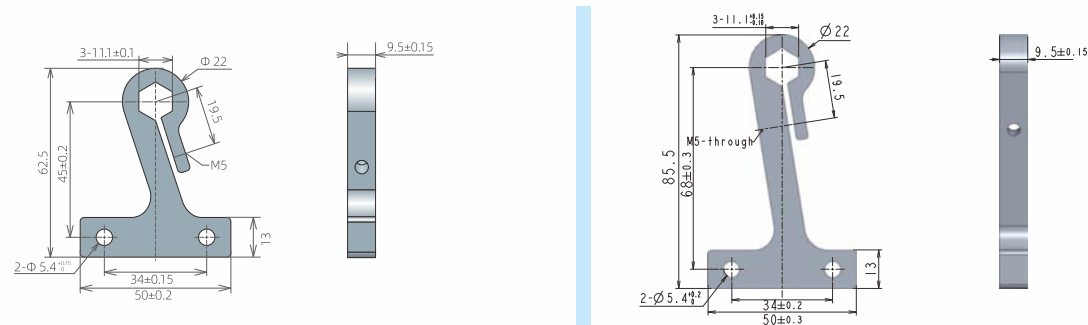
*Reference loading is for reference. Please calculate it based on the actual application.

Dimension of 76/80/89 mm Series



Auxiliary Components

We also prepared auxiliary installation components for customers to fix the drum motors if there is a failure during nuts installation.



Controller of 50/60 mm Series Motors

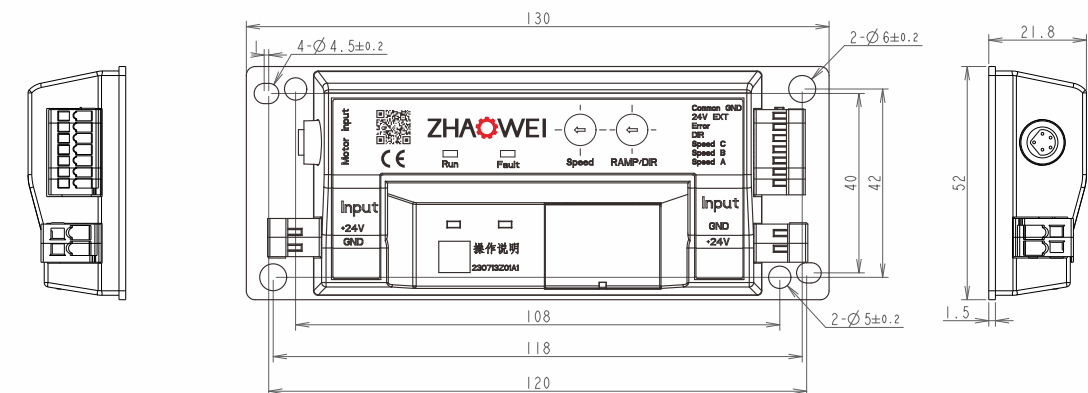


I/O Controller, with two coded rotary switches for setting the rotation direction, 8 different start-stop ramps, and 15 levels of speed. It also provides digital inputs and outputs to serve as interfaces for higher-level control devices, and can receive signals controlled by external PLCs.

Functions:

- ① A Fifteen-gear knob, with eight external input gears, and a ramp gear
- ② Switch rotating direction (via rotary code switch or digital input)
- ③ Roller drive error signal output
- ④ LED status display (fault display)
- ⑤ Switch PNP/NPN (via an independent switch).over heat protection
- ⑥ Over current protection, open/short circuit detection, stall detection, thermal protection, and over heat protection
- ⑦ One-to-one matching between the motor driver and the controller
- ⑧ Roller drive with stable speed (not more than maximum loading)
- ⑨ Electronic brakes

Dimension of the Controller



Parameters

Project	Specification
Types	Built-in (50/60 mm drum) ; External (76/80/89 mm drum)
Rated Input Voltage	19~26V DC 38~55V DC
Communication Protocol	IO
Operating Temperature	0 ~ 40°C
Operating Humidity	< 85%

Belt Conveyor Drum Series

Product Overview

ZHAOWEI Drum Motor series is a new generation of integrated drum motors that include a motor, gearbox, and control system. It features compact size, convenient assembly, and simple operation. This series include various diameter options such as 40 mm, 50 mm, 60 mm, and 76 mm, as well as multiple length combinations of 300 mm, 400 mm, and 500 mm. It can achieve constant running speed, speed adjustment, forward and reverse rotation, and multi-line series operation, making it widely used in food transportation, industrial automation, and airport/high-speed rail security checks.

Notably, the 60 mm and 76 mm diameter drums are individually wrapped with PVC sleeves and anti-slip rubber sleeves. This not only effectively prevents slipping of the conveyor belt, but also protects the metal drum, reducing wear and tear. This design achieves efficient transportation and a long lifespan.

Product Functions



Product Overview

1. Parameters

Power Supply Voltage: 24 V
PWM Frequency: 20 K
Maximum Continuous Output Current: 3 A
Peak Current: 5 A
Operating Temperature: -40 ~ 85°C

2. Communication

Analog Interface: 5-24 V
Communication Protocol: custom Logic

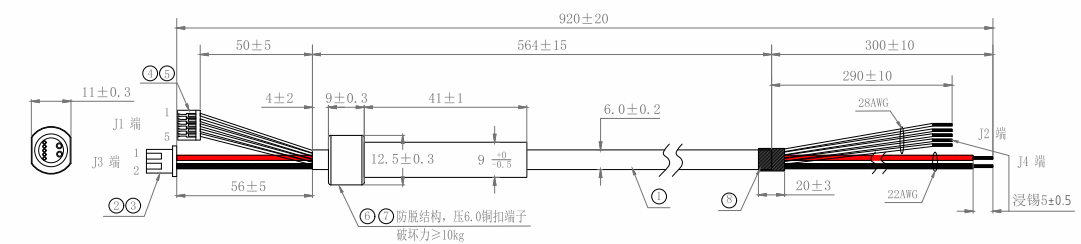
3. Basic Functions

Support 3 hall sensor
Support for using Magnetic Encoder: N/A

4. Functional Scope

Operating Mode: speed and current can be controlled through settings
Fault Protection: undervoltage, overvoltage, overcurrent, and stalled rotation
Supported Motor Type: BLDC motor

5. Definition of the Cable Interfaces

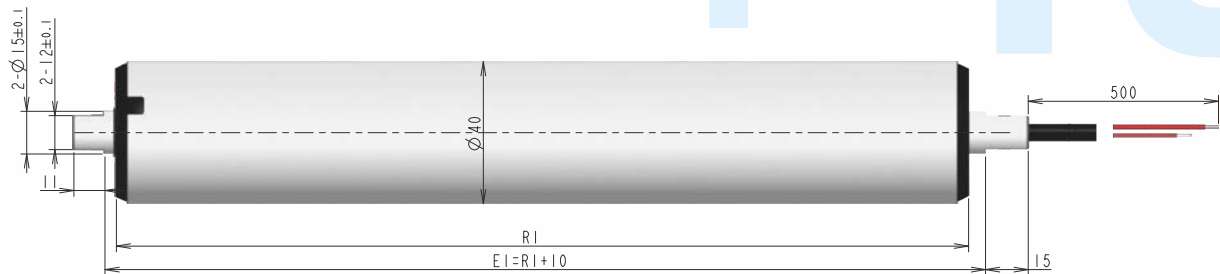


Power cord: (24 V DC)	Control Wires
22 AWG red thick wire: 24 V DC power supply 22 AWG black thick wire: GND power supply	28 AWG red thin wire: +5 V power output 28 AWG purple thin wire: start signal input (high level 5-24 V - continuous) 28 AWG yellow thin wire: deceleration signal input (high level 5-24 V - 100 ms) 28 AWG green thin wire: acceleration signal input (high level 5-24 V - 100 ms) 28 AWG blue thin wire: reverse rotation signal input (high level 5-24 V - 100 ms)

ZHAOWEI Drum Motor has several advantages compared to traditional traditional speed control motors ?

ZHAOWEI Drum Motor		Traditional Speed Control Motor
Compact Mechanism ZHAOWEI Drum Motor adopts an integrated mechanism, integrating the control module into the drum.	product structure	Complex Mechanism Assembled from a large motor, gearbox, chain wheel, passive drum, protective cover, speed controller, and power supply.
Easy Installation Can be used with fixed brackets at both ends; Good sealing performance.	Installation method	Complex Installation The product occupies a significant space with a bulky size, making assembly and debugging of multiple components challenging and not conducive to operation.
Stepless Speed Regulation Speed control can be connected for coordinated operation with automated equipment.	Speed Control	Stepwise Speed Control The drive settings are complex with four-speed steps: 20 Hz low speed, 30 Hz medium speed, 40 Hz high speed, and 50 Hz customizable.
High Efficiency 62%~70%. 24% higher efficiency than traditional speed control motors (under the same load conditions).	Low Efficiency	Low Efficiency 45%~50%. Low precision within the multiple transmission components, leading to low efficiency.

Φ40mm Series



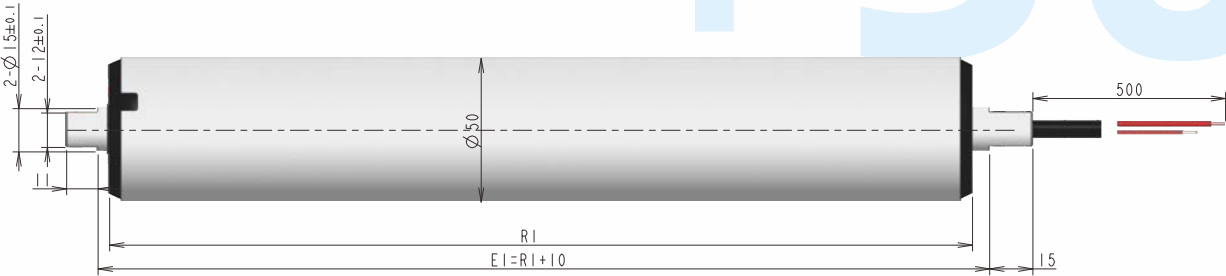
Parameters:

Rated Voltage : 24V
Rated Current : 1.3A
Starting Current: 3A
Rated Output: 25W
Maximum Decibel Level: 50dB
Cable Length: 500mm

Protection Level: IP54
Galvanized Steel Pipe
Size of the Pipe: 40x1mm
Double D Steering Shaft
Operating Temperature: 0°C~40°C/-30°C~0°C

Models	Length (mm)	Gear Ratio	Output (W)	Rated Torque (N.m)	Rated Speed (rpm)	Starting Torque (N.m)	Starting Load (Kg)	Starting Current (A)	Rated Linear Velocity of the Pulley(m/min)
ZWGA2440-0300-006-25-AZ-T3-H4-01	300	6	25	0.2	783	0.6	3	≤3	98
ZWGA2440-0300-016-25-AZ-T3-H4-01		16	25	0.6	294	1.6	8	≤3	37
ZWGA2440-0300-036-25-AZ-T3-H4-01		36	25	1.4	131	3.5	17	≤3	16
ZWGA2440-0300-064-25-AZ-T3-H4-01		64	25	2	73	5.2	25	≤3	9
ZWGA2440-0300-096-25-AZ-T3-H4-01		96	25	3.1	49	7.8	38	≤3	6
ZWGA2440-0300-156-25-AZ-T3-H4-01		156	25	5	30	13	62	≤3	3.8
ZWGA2440-0400-006-25-AZ-T3-H4-01	400	6	25	0.2	783	0.6	3	≤3	98
ZWGA2440-0400-016-25-AZ-T3-H4-01		16	25	0.6	294	1.6	8	≤3	37
ZWGA2440-0400-036-25-AZ-T3-H4-01		36	25	1.4	131	3.5	17	≤3	16
ZWGA2440-0400-064-25-AZ-T3-H4-01		64	25	2	73	5.2	25	≤3	9
ZWGA2440-0400-096-25-AZ-T3-H4-01		96	25	3.1	49	7.8	38	≤3	6
ZWGA2440-0400-156-25-AZ-T3-H4-01		156	25	5	30	13	62	≤3	3.8
ZWGA2440-0500-006-25-AZ-T3-H4-01	500	6	25	0.2	783	0.6	3	≤3	98
ZWGA2440-0500-016-25-AZ-T3-H4-01		16	25	0.6	294	1.6	8	≤3	37
ZWGA2440-0500-036-25-AZ-T3-H4-01		36	25	1.4	131	3.5	17	≤3	16
ZWGA2440-0500-064-25-AZ-T3-H4-01		64	25	2	73	5.2	25	≤3	9
ZWGA2440-0500-096-25-AZ-T3-H4-01		96	25	3.1	49	7.8	38	≤3	6
ZWGA2440-0500-156-25-AZ-T3-H4-01		156	25	5	30	13	62	≤3	3.8

Φ50mm Series



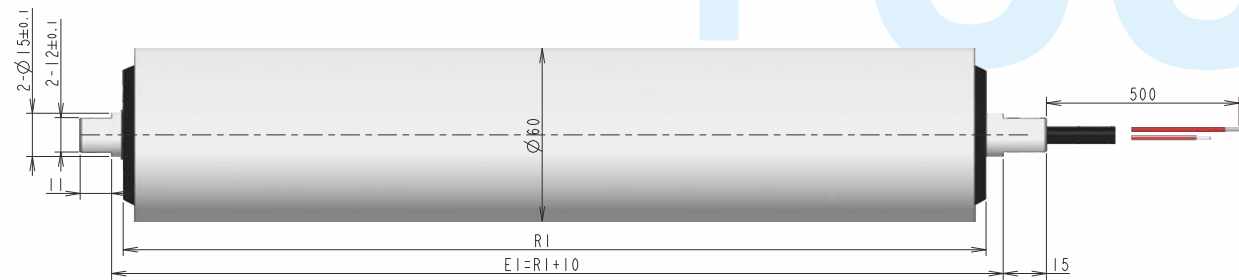
Parameters:

Rated Voltage : 24V
Rated Current : 2.1A
Starting Current: 5A
Rated Output: 35W
Maximum Decibel Level: 50dB
Cable Length: 500mm
Protection Level: IP54

Galvanized Steel Pipe
Size of the Pipe: 50x1.5mm
Rubber Lagging Type: 2 mm/ 5 mm PVC Rubber Sleeve;
2 mm PU Rubber Sleeve (TAB)
Conical Drum: standard drum (plastic sleeve cone)
Double D Steering Shaft
Operating Temperature: 0°C~40°C/-30°C~0°C

Models	Length (mm)	Gear Ratio	Output (W)	Rated Torque (N.m)	Rated Speed (rpm)	Starting Torque (N.m)	Starting Load (Kg)	Starting Current (A)	Rated Linear Velocity of the Pulley(m/min)
ZWGA2450-0300-006-35-AZ-T3-H4-01	300	6	35	0.3	873	1	4	≤5	137
ZWGA2450-0300-017-35-AZ-T3-H4-01		17	35	0.8	291	2	10	≤5	45
ZWGA2450-0300-034-35-AZ-T3-H4-01		34	35	1.7	146	4	20	≤5	22
ZWGA2450-0300-072-35-AZ-T3-H4-01		72	35	3.3	69	8	38	≤5	10
ZWGA2450-0300-102-35-AZ-T3-H4-01		102	35	4.6	49	12	53	≤5	7
ZWGA2450-0300-145-35-AZ-T3-H4-01		145	35	6.6	34	17	75	≤5	5
ZWGA2450-0400-006-35-AZ-T3-H4-01	400	6	35	0.3	873	1	4	≤5	137
ZWGA2450-0400-017-35-AZ-T3-H4-01		17	35	0.8	291	2	10	≤5	45
ZWGA2450-0400-034-35-AZ-T3-H4-01		34	35	1.7	146	4	20	≤5	22
ZWGA2450-0400-072-35-AZ-T3-H4-01		72	35	3.3	69	8	38	≤5	10
ZWGA2450-0400-102-35-AZ-T3-H4-01		102	35	4.6	49	12	53	≤5	7
ZWGA2450-0400-145-35-AZ-T3-H4-01		145	35	6.6	34	17	75	≤5	5
ZWGA2450-0500-006-35-AZ-T3-H4-01	500	6	35	0.3	873	1	4	≤5	137
ZWGA2450-0500-017-35-AZ-T3-H4-01		17	35	0.8	291	2	10	≤5	45
ZWGA2450-0500-034-35-AZ-T3-H4-01		34	35	1.7	146	4	20	≤5	22
ZWGA2450-0500-072-35-AZ-T3-H4-01		72	35	3.3	69	8	38	≤5	10
ZWGA2450-0500-102-35-AZ-T3-H4-01		102	35	4.6	49	12	53	≤5	7
ZWGA2450-0500-145-35-AZ-T3-H4-01		145	35	6.6	34	17	75	≤5	5

Φ60mm Series

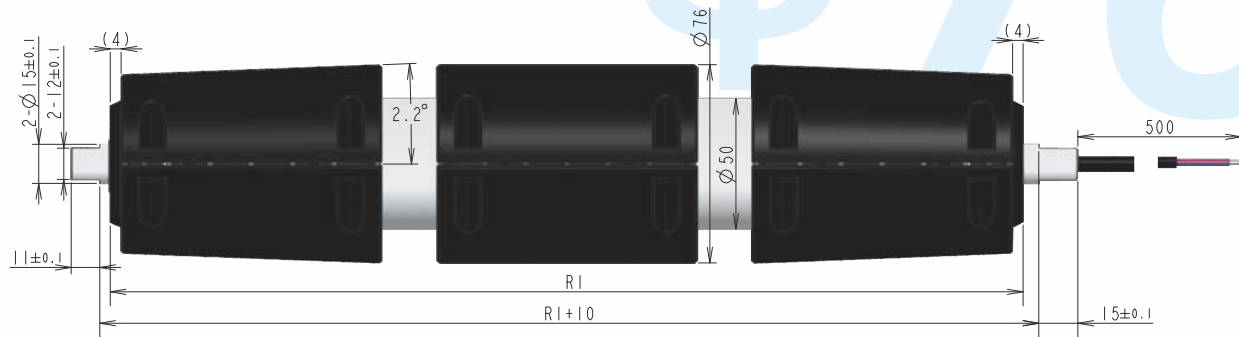


Parameters:

Rated Voltage : 24V	Galvanized Steel Pipe
Rated Current : 2.1A	Size of the Pipe: 50x1.5mm
Starting Current: 5A	Rubber Lagging Type: 2 mm/ 5 mm PVC Rubber Sleeve;
Rated Output: 35W	2 mm PU Rubber Sleeve (TAB)
Maximum Decibel Level: 50dB	Conical Drum: standard drum (plastic sleeve cone)
Cable Length: 500mm	Double D Steering Shaft
Protection Level: IP54	Operating Temperature: 0°C~40°C/-30°C~0°C

Models	Length (mm)	Gear Ratio	Output (W)	Rated Torque (N.m)	Rated Speed (rpm)	Starting Torque (N.m)	Starting Load (Kg)	Starting Current (A)	Rated Linear Velocity of the Pulley(m/min)
ZWGA2450-0300-006-35-DZ-T3-H4-01	300	6	35	0.3	873	1	3	≤5	165
ZWGA2450-0300-017-35-DZ-T3-H4-01		17	35	0.8	291	2	8	≤5	55
ZWGA2450-0300-034-35-DZ-T3-H4-01		34	35	1.7	146	4	16	≤5	27.5
ZWGA2450-0300-072-35-DZ-T3-H4-01		72	35	3.3	69	8	31	≤5	13
ZWGA2450-0300-102-35-DZ-T3-H4-01		102	35	4.6	49	12	44	≤5	9
ZWGA2450-0300-145-35-DZ-T3-H4-01		145	35	6.6	34	17	63	≤5	6.5
ZWGA2450-0400-006-35-DZ-T3-H4-01	400	6	35	0.3	873	1	3	≤5	165
ZWGA2450-0400-017-35-DZ-T3-H4-01		17	35	0.8	291	2	8	≤5	55
ZWGA2450-0400-034-35-DZ-T3-H4-01		34	35	1.7	146	4	16	≤5	27.5
ZWGA2450-0400-072-35-DZ-T3-H4-01		72	35	3.3	69	8	31	≤5	13
ZWGA2450-0400-102-35-DZ-T3-H4-01		102	35	4.6	49	12	44	≤5	9
ZWGA2450-0400-145-35-DZ-T3-H4-01		145	35	6.6	34	17	63	≤5	6.5
ZWGA2450-0500-006-35-DZ-T3-H4-01	500	6	35	0.3	873	1	3	≤5	165
ZWGA2450-0500-017-35-DZ-T3-H4-01		17	35	0.8	291	2	8	≤5	55
ZWGA2450-0500-034-35-DZ-T3-H4-01		34	35	1.7	146	4	16	≤5	27.5
ZWGA2450-0500-072-35-DZ-T3-H4-01		72	35	3.3	69	8	31	≤5	13
ZWGA2450-0500-102-35-DZ-T3-H4-01		102	35	4.6	49	12	44	≤5	9
ZWGA2450-0500-145-35-DZ-T3-H4-01		145	35	6.6	34	17	63	≤5	6.5

Φ76mm Series



Parameters:

Rated Voltage : 24V	Galvanized Steel Pipe
Rated Current : 2.1A	Size of the Pipe: 50x1.5mm
Starting Current: 5A	Rubber Lagging Type: 2 mm/ 5 mm PVC Rubber Sleeve;
Rated Output: 35W	2 mm PU Rubber Sleeve (TAB)
Maximum Decibel Level: 50dB	Conical Drum: standard drum (plastic sleeve cone)
Cable Length: 500mm	Double D Steering Shaft
Protection Level: IP54	Operating Temperature: 0°C~40°C/-30°C~0°C

Models	Length (mm)	Gear Ratio	Output (W)	Rated Torque (N.m)	Rated Speed (rpm)	Starting Torque (N.m)	Starting Load (Kg)	Starting Current (A)	Rated Linear Velocity of the Pulley(m/min)
ZWGA2450-0300-006-35-EZ-T3-H4-01	300	6	35	0.3	873	1	3	≤5	208
ZWGA2450-0300-017-35-EZ-T3-H4-01		17	35	0.8	291	2	6	≤5	70
ZWGA2450-0300-034-35-EZ-T3-H4-01		34	35	1.7	146	4	13	≤5	35
ZWGA2450-0300-072-35-EZ-T3-H4-01		72	35	3.3	69	8	25	≤5	16.5
ZWGA2450-0300-102-35-EZ-T3-H4-01		102	35	4.6	49	12	35	≤5	12
ZWGA2450-0300-145-35-EZ-T3-H4-01		145	35	6.6	34	17	49	≤5	8
ZWGA2450-0400-006-35-EZ-T3-H4-01	400	6	35	0.3	873	1	3	≤5	208
ZWGA2450-0400-017-35-EZ-T3-H4-01		17	35	0.8	291	2	6	≤5	70
ZWGA2450-0400-034-35-EZ-T3-H4-01		34	35	1.7	146	4	13	≤5	35
ZWGA2450-0400-072-35-EZ-T3-H4-01		72	35	3.3	69	8	25	≤5	16.5
ZWGA2450-0400-102-35-EZ-T3-H4-01		102	35	4.6	49	12	35	≤5	12
ZWGA2450-0400-145-35-EZ-T3-H4-01		145	35	6.6	34	17	49	≤5	8
ZWGA2450-0500-006-35-EZ-T3-H4-01	500	6	35	0.3	873	1	3	≤5	208
ZWGA2450-0500-017-35-EZ-T3-H4-01		17	35	0.8	291	2	6	≤5	70
ZWGA2450-0500-034-35-EZ-T3-H4-01		34	35	1.7	146	4	13	≤5	35
ZWGA2450-0500-072-35-EZ-T3-H4-01		72	35	3.3	69	8	25	≤5	16.5
ZWGA2450-0500-102-35-EZ-T3-H4-01		102	35	4.6	49	12	35	≤5	12
ZWGA2450-0500-145-35-EZ-T3-H4-01		145	35	6.6	34	17	49	≤5	8