JGA25-370 Geared Motor

SKU 114090046

Please use this motor as an alternative to JGB37-371 and Encoder Geared Motor JGA25-371

What is the Geared motor?

The geared motor uses a gear set to convert the original high speed and low torque of the motor to a low speed and high torque state. So what are the benefits of geared motors? Under the same voltage conditions, you can manually clamp the motor to stop it, but once it is a gear motor, it is more difficult to stop the motor with an external force because the "force" of the motor becomes larger. Therefore, when you use a geared motor, you will find it is slower than a motor that does not slow down, but it can provide a larger load. Geared motors are typically used where high torque is required, such as an elevator, which will carry more than a dozen people upstairs, which will require a lot of torque. Of course, there will be some energy loss during deceleration, but it will still bring a lot of convenience to our lives.

Introduction:

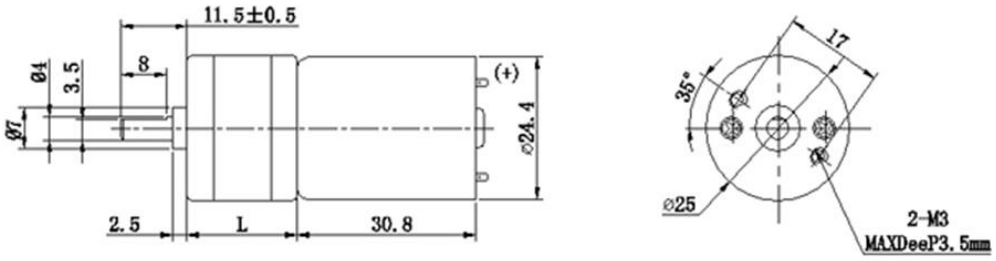
This Motor not encoder, Mainly used in robot platform and car provides power, Good quality and long lifetime, high torque and low noise.

If you need an encoder, you can choose JGA25-371 Geared Motor with Encoder.

Specification:

Voltage V	No-load		Maximum efficiency pointed				Blockage	
	speed r/min	electric current A	speed r/min	electric current A	Torque Kg.cm	Power W	Torque Kg.cm	electric current A
6	190	0.2	133	0.5	0.75	1.1	4.0	2.1
12	350	0.1	245	0.65	1.4	2.4	5.2	2.2

size:



L=21

Part List

1 x JGA25-370 Geared Motor

ECCN/HTS

ECCN	ERA99
HSCODE	8501101000
UPC	

370 DC Gear Motor Encoder Wiring Tips

Red: Motor Power Supply Positive Pole + (switching can control forward and reverse rotation direction of the motor)

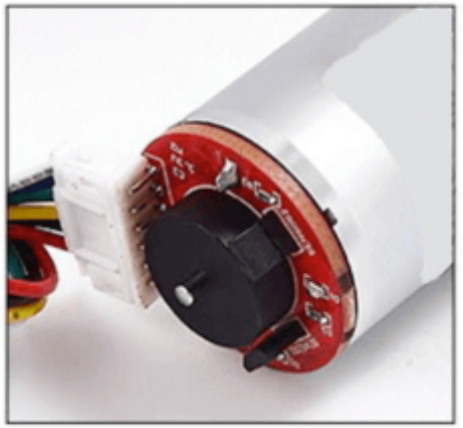
Black: Encoder Power Supply Negative Pole - (positive and negative poles 3.3-5V)

Green: Signal Feedback (11 signals when the motor take a turn)

Yellow: Signal Feedback (11 signals when the motor take a turn)

Blue: Encoder Power Supply Positive Pole + (positive and negative poles 3.3-5V)

White: Motor Power Supply Negative Pole - (switching can control forward and reverse rotation direction of the motor)



ENCODERS CONFLG

Type	AB Dual Phase Incremental Magnetic Hall Encoder		
Line Speed	Basic pulse 11PPRx gear reduction ratio		
Basic Function	Built-in pull-up shaping resistor, directly connected to the microcontroller		
Interface Type	PH2.0 (standard connecting cable)	Response Frequency	100KHz
Power Supply Voltage	DC3.3V / DC5.0V	Output Signal Type	Square wave AB phase
Basic Pulse Number	11PPR	Magnet Ring Trigger Class Quantity	22 poles (11 pairs of poles)

Reduction ratio	Rated Volt	No Load		AT Load			STALL		Gearbox
		SPEED	CURRENT	Torque	SPEED	Current	TOGQCE	CURRENT	Length
	V	RPM	mA	KG.cm	RPM	A	KG..CM	A	mm
4.4	6	1360	100	0.1	1000	0.45	0.35	1.8	17
9.6	6	620	100	0.22	450	0.45	0.75	1.8	17
21.3	6	280	100	0.5	220	0.45	1.7	1.8	19
35	6	170	100	0.8	130	0.45	2.8	1.8	21
46	6	130	100	1	100	0.45	3.6	1.8	21
78	6	77	100	1.8	60	0.45	6.2	1.8	23
103	6	60	100	2.4	46	0.45	8.2	1.8	23
171	6	35	100	4	27	0.45	9	1.8	25
226	6	26	100	5.2	20	0.45	9	1.8	25
377	6	16	100	8.4	12	0.45	9	1.8	27
500	6	12	100	9	9	0.45	9	1.8	27
4.4	12	1360	60	0.1	1000	0.45	0.35	1.3	17
9.6	12	620	60	0.22	450	0.45	0.75	1.3	17
21.3	12	280	60	0.5	220	0.45	1.7	1.3	19
35	12	170	60	0.8	130	0.45	2.8	1.3	21
46	12	130	60	1	100	0.45	3.6	1.3	21
78	12	77	60	1.8	60	0.45	6.2	1.3	23
103	12	60	60	2.4	46	0.45	8.2	1.3	23
171	12	35	60	4	27	0.45	9	1.3	25
226	12	26	60	5.2	20	0.45	9	1.3	25
377	12	16	60	8.4	12	0.45	9	1.3	27
500	12	12	60	9	9	0.45	9	1.3	27
4.4	24	1360	40	0.1	1000	0. 25	0.35	0. 7	17
9.6	24	620	40	0.22	450	0. 25	0.75	0. 7	17
21.3	24	280	40	0.5	220	0. 25	1.7	0. 7	19
35	24	170	40	0.8	130	0. 25	2.8	0. 7	21
46	24	130	40	1	100	0. 25	3.6	0. 7	21
78	24	77	40	1.8	60	0. 25	6.2	0. 7	23
103	24	60	40	2.4	46	0. 25	8.2	0. 7	23
171	24	35	40	4	27	0. 25	9	0. 7	25
226	24	26	40	5.2	20	0. 25	9	0. 7	25
377	24	16	40	8.4	12	0. 25	9	0. 7	27
500	24	12	40	9	9	0. 25	9	0. 7	27