





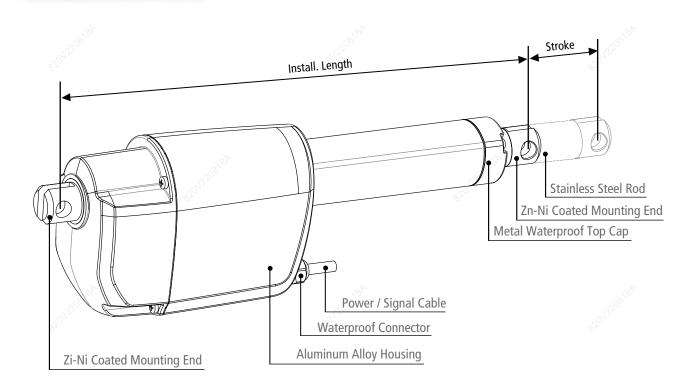
Dear Customers,

What a big world! But thanks to crazy technology, it's been getting smaller than ever, so that we can meet here from all corners of the world. It's our pleasure to have opportunities to provide you with a variety of products and services to help with the implementation of your amazing designs.

We present our products thoroughly in front of you by using refined parameters and words, so that you can find the most suitable solution.

Next, we will take you to a deeper understanding of Hongba's products. Please read this datasheet carefully. You are also welcome to leave valuable comments and suggestions to help Hongba improve itself continuously.

Definition of Terms



Stroke	How far the rod extends outwards from the body. The difference between fully extended length and fully retracted length. [Customizable]
Install. Length	The fully closed size. [Customizable]
Front Mount. End	Optional.
Rear Mount. End	Optional.
Mount. Holes	Can be rotated by 90°.
Dynamic Force	The max force that actuator is able to carry when it is moving.
Selflocking	The max force that linear actuator is able to hold when it stops.
Weather Protection	IP XX. The first digit: dust protection. The second digit: liquid protection. Please refer to [Table 1].
Duty Cycle	Continous working time 'a', rest time 'b'. Duty cycle is a/(a+b)x100%. Please refer to [Table 1].
Speed	Include free-load speed and full-load speed.
Hall Sensor	Provide pulse signals. Displacement measurement is achieved through pulse counting, and the phase difference of the waveform can be used to identify the rotation direction of motor. Check [Table 1] to see if it is available.
Potentiometer	Potentiometer is a three-terminal variable resistor with a rotating contact which is used to measure the displacement of actuators. Check [Table 1] to see if it is available.
Manual Override	Can be used to extend or retract the actuator without power for emergency. Check [Table 1] to see if it is available.

Configs.

Color	□Silver	■ Black	\square Custom			
Lead Screw	Acme Screw	☐ Ball Screw				
Operation Mode	■ Electrical	☐ Electrical + Manua	al			
Application	Industrial	■ Furniture	Medical			
Operational Temp.	□5 to 40°C	■-10 to 65°C	■-40 to 65°C		A ST	
Operating Noise	■ ≤45 dB	□≤50 dB	□ ≤65 dB			
Stroke Range	■50-600mm	☐ 600-1,000mm		As The		
Dynamic Load	□ ≤1,200N	■ ≤2,500N	□≤4,000N	□ ≤7,000N	□ ≤12,000N	□≤20,000N
Duty Cycle	□10%	20% *	□ 25%	□50%	□ 100%	
Motor Type	■ Brushed DC	☐ Stepper Motor	□Brushless	☐Servo Motor		
Overload Protection	□None	☐ Clutch	□Electronic	Thermistor		
Weather Protection	□IP20	□ IP43	□IP54	□ IP65	■ IP66	
Position Feedback	None	Endstop Signal	■ Hall Sensor	□ Potentiometer	☐ Encoder	☐ Reed Switches
Input Voltage	■12VDC	24VDC	■36VDC	■48VDC	☐ 110VAC	□220VAC

^{*} Don't exceed two minutes continuous working at full load with 20 $^\circ$ C .

[Table 1]

Parameters

Fill in code:

Code	Max. Dynamic Load (N)	Max. Self-locking (N)	Reduction Ratio	Pitch (mm)	Speed (mr Free Load	±10% n/s)	(mm)
Α	2,500	3,500	86.6:1	3.17	2.5	1.8	300
В	2,000	3,000	86.6:1	5	4.0	3.0	400
С	1,500	2,500	86.6:1	7.5	6.0	4.0	400
D	1,200	2,000	43.3:1	5	8.0	6.0	500
Е	1,000	1,500	43.3:1	7.5	12.0	8.0	500
F	500	700	43.3:1	15	22.0	17.0	600

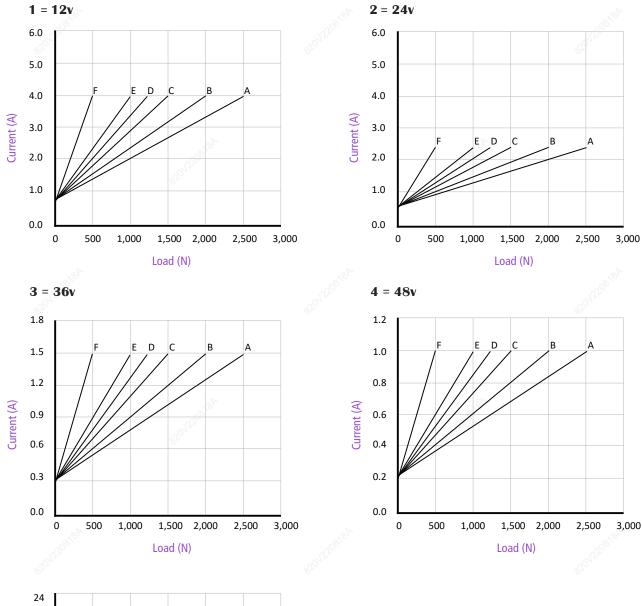
[Table 2]

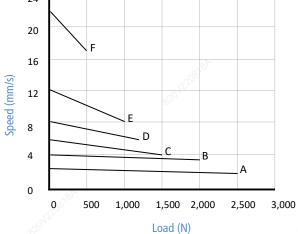
- ① Measurements are made with actuators in connection with stable power supplies and ambient temperature at 20°C.
- ② For example, when real load is 1500N, choosing code (C) is fine. Of course, you can also choose (B) or even (A) which comes with more load buffer, higher safety factor and longer product service time.
- ③ There are many factors affecting the "customizable maximum stroke", such as load, speed, force direction, etc., so the real application scenarios should be considered. If the parameters you required are not listed, please contact our sales engineers.

Options for DJ820 Other Models

Fill in code:

Charts



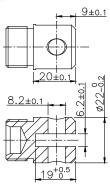


* Measurements are made with actuators in connection with stable power supplies and ambient temperature at 20°C.

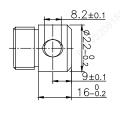
1. Please contact our sales team if none of the options below meet your requirements.

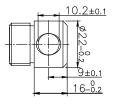
9±0.1

Fill in code:



20±0.1 10.2±



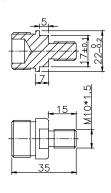


F01

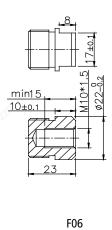
F02

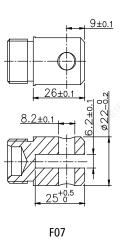
F03

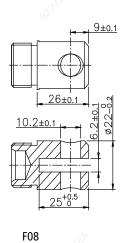




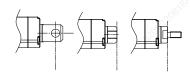
F05







2. Start of Installation Length



3. Hole Directions

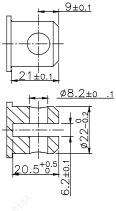




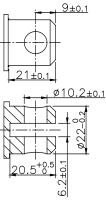
Rear Mounting End

1. Please contact our sales team if none of the options below meet your requirements.

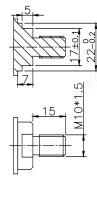
Fill in code:



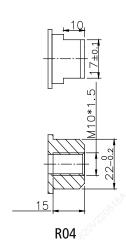
R01

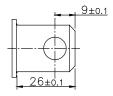


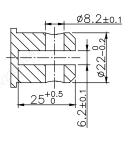
R02



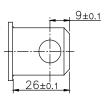
R03

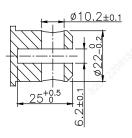






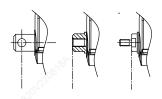
R05





R06

2. End of Installation Length



3. Hole Directions

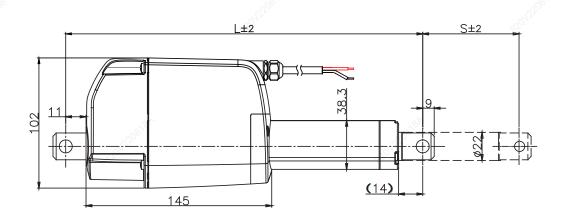


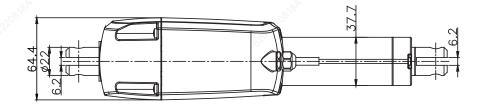
1 = 90°



2 = 0°

mm





S: stroke L: installation size

2. Installation Size (L≥A+B)

A. Mounting Ends	Rear E	inds
Front Ends	R01- R06	R07, R08
F01- F06	S+120 (L is min.190mm)	S+125 (L is min.195mm)
F07, F08	S+125 (L is min.195mm)	S+130 (L is min. 200mm)

[Table 3]

B. Stroke Range	mm
30 - 299	+ 0
300 - 399	+ 30
≥ 400	+ 50

[Table 4]

Example

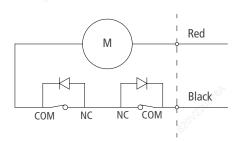
Front	Rear	S	A	B	L≥A+B
Mount.	Mount.	(mm)	(mm)	(mm)	(mm)
F07	R01	300	300+125	+30	

[Table 5]

Fill in code:

0. Standard Limit Switches without Signal feedback

Standard DJ820 comes with limit switches that shut off the motor automatically at the end of its travel.

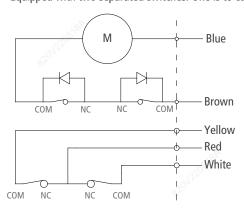


Wire Coding						
	Black Red					
Extend	18/	+				
Retract	+	-				

[Table 6]

1. Endstop Signal

Equipped with two separated switches. One is to cut off power supply at either end of stroke, and the other is to supply signals.



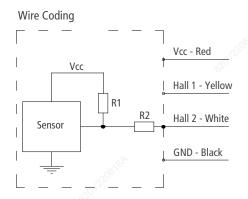
I	Power Wire Coding	120810		
	Brown	Blue		
Extend	-	+		
Retract	+	-		
9	Signal Wire Coding			
Red	Extend / Retract limit, N.C. contact			
Yellow Extend limit. COM.				
White	Retract limit. COM.			

[Table 7]

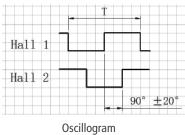
2. Hall Sensor (standard dual-sensor)

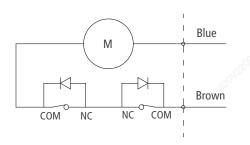
Code	Magnetic Pole	Pulse Equivalent (pulse/mm)
Á		27.30
В		17.33
С	1 pole pair	11.55
D	(standard)	8.67
Е		5.78
F	12200	2.89

[Table 8]



* Power supply (V)= 5~15V





RESET

Inquiry Table

			KESEI
8:01708	Voltage	1 = 12VDC 2 = 24VDC 3 = 36VDC 4 = 48VDC	\$20/1508/81
	Load & Speed	See [Table 2]	
	Stroke (mm)	Please contact us if the stroke you required is out of range.	
	Install. Length (mm)	See Table [3] [4] [5]	
	Front Mount. End	F01 - F08 FX = Custom	
08	Rear Mount. End	R01 - R06 RX = Custom	68 ¹ 8 ^P
82°	Mount. Hole Direction	Front $1 = 90^{\circ}$ $2 = 0^{\circ}$ Rear $1 = 90^{\circ}$ $2 = 0^{\circ}$	90,77
	Signal Feedback	0 = None 1 = Endstop Signal 2 = Hall Effect Sensor	
	Cable Length	1 = 500 mm 2 = 1,000 mm X = Custom	
	Connector	0 = Tinned Bared Wires 1 = Match with KZ-series Controller X = Custom	
	Working Temperature	1 = -10°C to 65°C 2 = -40°C to 65°C	_
87077	Working Frequency	Estimated cycles work per day	820/1508/gr
Application	End Use	Indoor or outdoor, and please describe your end use.	
ion	Your Contact	Company Name Tel Email	
		Tel. Email	

Terms of Use

Due to our continuous improving of HB products, Hongba reserves the right to change or modify our products without prior notice, at any time. Therefore, Hongba cannot guarantee the correct and actual status of said information on its products. The user is responsible for determining the suitability of HB products for specific application.

Wuxi Hongba Mechanical Electrical Equipment. Co., Ltd.

Cell: Email:

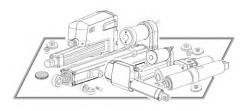
Tel.: 0510-85436730 Website: hbactuator.com

Address: 5 Lijiang Rd. Xinwu District, Wuxi 214028 China

You may also be interested in...

Model	Load (N)	Stroke (mm)	Speed (mm/s)	Install.Length (mm)	Overall Size (mm)	IP rate	Application
DJ803 (Track)	1,500	50-600	16-32	155	155 x 77.4 x L	IP20	Furniture
DJ823	3,000	50-600	5.0-15	S+155	148.5 x 80 x L	IP54	Furniture Medical Care
DJ810	4,000	50-600	5.0-32	S+150	156 x 83 x L	IP43	Furniture Medical Care
DJ801	6,000	50-600	4.7-28	S+175	156 x 83 x L	IP43	Furniture Medical Care
DJ822	6,000	50-600	5.0-16	S+175	166 x 91 x L	IP54	Furniture Medical Care
DJ806	1,200	50-600	5.5-80	S+105	40 x 75 x L	IP66	Industrial
DJ809	2,000	50-600	5.0-55	S+108	45 x 77.5 x L	IP66	Industrial
DJ825	2,000	50-600	6-15	S+115	43 x 84.5 x L	IP66	Furniture Medical Care Industrial
* DJ820	2,500	50-600	2.5-22	S+120	64.5 x 102 x L	IP66	Furniture Medical Care Industrial
DJ820P	1,000	50-600	25-50	S+140	64.5 x 102 x L	IP66	Industrial
DJ830	4,000	50-600	5.5-35	S+200	76 x 151 x L	IP65	Industrial
DJ830P	7,000	50-600	5.5-35	S+200	76 x 151 x L	IP65	Industrial
DJ808	7,000	50-600	5.5-35	S+250	77 x 151 x L	IP65	Industrial
DJ805G	12,000	50-1,000	6.5-37	S+200	102 x 154 x L	IP66	Industrial

^{*} You are now reading...



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