

HB-DJ812

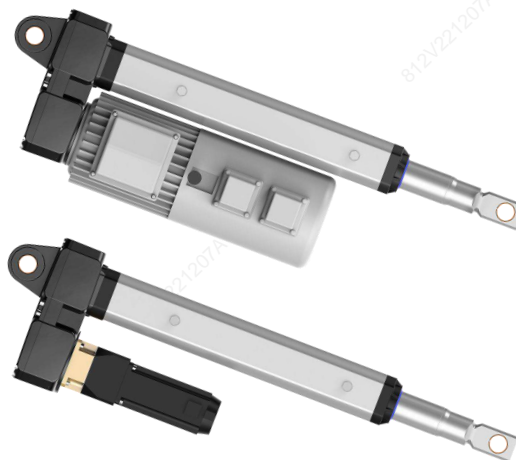
Data Sheet

812V221207A



Overview

1. Optional AC/ Servo/ Brushed/ Brushless motor ;
2. Customizable stroke 50mm - 1000mm ;
3. Speed 19-80 mm/s ;
4. Max force 20,000 N ;
5. Operating temp. -15 °C to 40 °C ;
6. Endstop signal output, not cut off power supply automatically at either end of stroke ;
7. Weather protection IP55 ;
8. CE certified ;
9. Suggest re-greasing every 5000 cycles.



Parameters

1. Three-phase AC Motor

Code	Ratio (Belt)	Ratio (Gear)	Free-Load Speed	Full-Load Speed	Max. Dynamic Force	Max. Self-Locking	Free-Load Current	Full-Load Current	Ball Screw Item No.	Parameters of AC Motor
			mm/s	mm/s	N	N	A	A		
A	20 : 40	1 : 6	19.2	19	20,000	50,000	0.4	2.2	GQ3210	380V AC, 0.75KW, 50Hz, 4-pole, 1380 rpm, 30-70Hz
B	20 : 40	1 : 3	38.4	38	10,000	25,000	0.4	2.2	GQ3210	
C	27 : 34	1 : 3	60.9	60	6,000	12,500	0.4	2.2	GQ3210	

* Duty cycle 100% with full load and ambient temperature at 20°C.

[Table 1]

2. Servo Motor

Code	Ratio (Belt)	Ratio (Gear)	Free-Load Speed	Full-Load Speed	Max. Dynamic Force	Max. Self-Locking	Free-Load Current	Full-Load Current	Ball Screw Item No.	Parameters of Servo Motor
			mm/s	mm/s	N	N	A	A		
E	20 : 40	1 : 12	20.8	20	20,000	50,000	0.7	3.7	GQ3210	220V AC, 0.75KW, 50Hz 3,000 rpm
F	20 : 40	1 : 6	41.7	40	10,000	25,000	0.7	3.7	GQ3210	
G	27 : 34	1 : 3	83.3	80	5,000	12,500	0.7	3.0	GQ3210	

* Duty cycle 100% with full load and ambient temperature at 20°C.

[Table 2]

3. Brushless Motor - 48VDC

Code	Ratio (Belt)	Motor Rotation	Free-Load Speed	Full-Load Speed	Max. Dynamic Force	Max. Self-Locking	Voltage	Free-Load Current	Full-Load Current	Ball Screw Item No.
		rpm	mm/s	mm/s	N	N		V	A	
H	20 : 40	250	20.8	20	20,000	50,000	48	1.7	16.5	GQ3210
I	20 : 40	500	41.7	40	10,000	25,000	48	1.7	16.5	GQ3210
J	20 : 40	1,000	83.3	80	5,000	12,500	48	1.7	16.5	GQ3210

* Duty cycle 50% with full load and ambient temperature at 20°C.

[Table 3]

4. Brushed DC Motor - 24V

Code	Ratio (Belt)	Motor Rotation	Free-Load Speed	Full-Load Speed	Max. Dynamic Force	Max. Self-Locking	Voltage	Free-Load Current	Full-Load Current	Ball Screw Item No.
		rpm	mm/s	mm/s	N	N		V	A	
N	20 : 40	500	20.8	20	20,000	50,000	24	3.4	30	GQ3210
O	20 : 40	1,000	41.7	40	10,000	25,000	24	3.4	30	GQ3210
P	20 : 40	2,000	83.3	80	5,000	12,500	24	3.4	30	GQ3210

* Duty cycle 15% with full load and ambient temperature at 20°C.

[Table 4]

5. Brushed Motor - 48VDC

Code	Ratio (Belt)	Motor Rotation	Free-Load Speed	Full-Load Speed	Max. Dynamic Force	Max. Self-Locking	Voltage	Free-Load Current	Full-Load Current	Ball Screw Item No.
		rpm	mm/s	mm/s	N	N		V	A	
K	20 : 40	250	20.8	20	20,000	50,000	48	1.7	16	GQ3210
L	20 : 40	500	41.7	40	10,000	25,000	48	1.7	16	GQ3210
M	20 : 40	1,000	83.3	80	5,000	12,500	48	1.7	16	GQ3210

* Duty cycle 20% with full load and ambient temperature at 20°C.

[Table 5]

Inquiry Table

RESET

<input style="width: 100%; height: 100%;" type="text"/>	Motor Type	1 = 380V AC Motor 4 = 24V Brushed DC Motor	2 = 220V AC Servo Motor 5 = 48V Brushed DC Motor	3 = 48V Brushless DC Motor
<input style="width: 100%; height: 100%;" type="text"/>	Code	See Table 1 - 5		
<input style="width: 100%; height: 100%;" type="text"/>	Stroke (mm)	≤ 1,000 mm		
<input style="width: 100%; height: 100%;" type="text"/>	Install. Length (mm)	= stroke + 600mm (Install. length ≥ 800mm for three-phase AC motor)		
<input style="width: 100%; height: 100%;" type="text"/>	Front Mount. End	F01 = Thru. Hole φ 24 FX = Custom		
<input style="width: 100%; height: 100%;" type="text"/>	Rear Mount. End	R01 = Thru. Hole φ 30 RX = Custom		
<input style="width: 100%; height: 100%;" type="text"/>	Mount. Hole Direction	Front 1 = 90° 2 = 0° Rear 1 = 90° X = Custom		
<input style="width: 100%; height: 100%;" type="text"/>	Lead Screw	1 = Ball Screw		
<input style="width: 100%; height: 100%;" type="text"/>	Cable Length	1 = 600mm 2 = 1,000mm X = Custom		
<input style="width: 100%; height: 100%;" type="text"/>	Connector	0 = Tinned bared wires X = Custom		
Application	Working Frequency	Estimated cycles work per day		
	End Use	Indoor or outdoor, end use (Understand your application could help facilitate a good solution.)		
	Your Contact	Company Name Tel. Email		

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