



LIFTING COLUMN

JC35EM2

JC35EM2 Lifting column

Application field - Medical Line

Preferably in medical bed, nursing bed, physiotherapy bed, TV lifting and other fields.

JC35EM2 is a square aluminum tube 2-section column; Mainly supporting medical beds, nursing beds, physiotherapy beds, dental chairs, with the following models: JC35EM2-6000N, JC35EM2-4000N; JC35EM2-3000N, JC35EM2-2000N, JC35EM2-1500N, JC35EM2-1000N;

2. JC35EM2 column is characterized by heavy load and high strength;

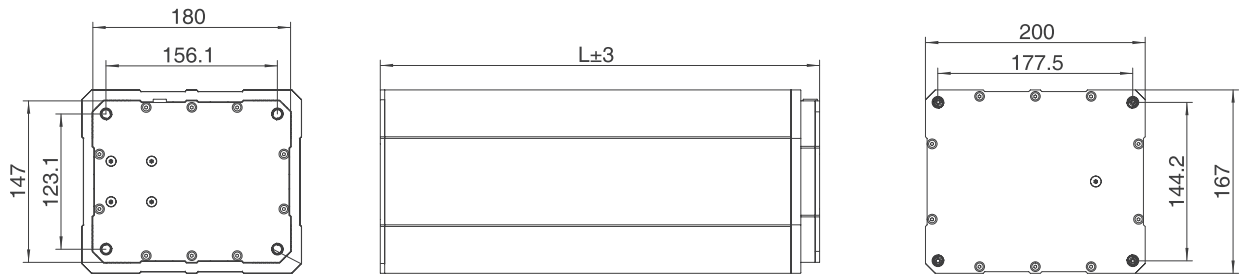


Stock Code: JC35EM2-C-4-4-24-200-400
JC35EM2-C-6-3-24-250-450
JC35EM2-C-4-4-24-300-500

General Features

Load in push (N):	6000N (pull 3000N) 4000N (pull 2000N) 3000N (pull 1500N) 2000N (pull 1000N) 1500N (pull 750N) 1000N (pull 500N)
Stroke length:	100-600mm±3 (Option±600mm)
Installation dimensions (mm):	Standard: L=S+200 (S<400); L=S+220 (400≤S<600) special (S≥600); L=S+250 (stroke/installation:700/950)
Colour:	Black / White/Aluminum natural color
Limit switch:	Built-in (electrical)
Weight:	About 21.5kg, installation distance950. (different stroke length and installation dimensions with different weight)
Noise level:	≤ 55dB (environmental noise ≤40dB)
Static bending moment:	500N.m
Duty cycle:	10%, max. 2min. continuous use
Options:	Hall sensor
Standards:	IEC60601-1:2012 EN60601-1:2006+A12:2014 ANSI/AAMI ES60601-1:2005 (R) 2012 and A1:2012, C1:2009/ (R) 2012 and A2:2010/ (R)2012

Dimension Drawing

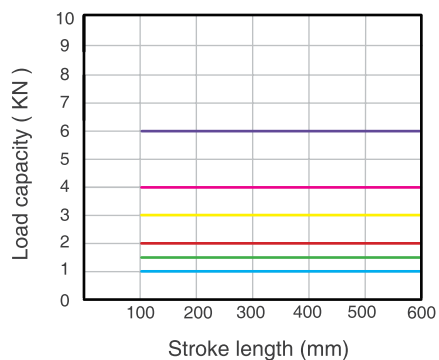


Technical parameters

Voltage (VDC)	Spindle pitch (mm)	Max. load in push (N)	Max. load in pull (N)	Mechanical self-lock (N)	Speed at no load/full load (mm/s)	Current at full load (A)
24	20	1000	1000	≥ 1000	25/20	≤ 5
24	16	1500	1500	≥ 1000	20/13	≤ 6
24	12	2000	2000	≥ 2000	15/12	≤ 6
24	5	2000	2000	≥ 2000	22/18	≤ 8
24	7.5	3000	3000	≥ 3000	9/5	≤ 6
24	5	4000	4000	≥ 4000	5/4	≤ 5
24	4	6000	6000	≥ 6000	5/3	≤ 5

Remarks: It can achieve better self-locking ability with Jiecang control box;
The above data is the standard value of the test data (inspection specification) at room temperature of 25°C;

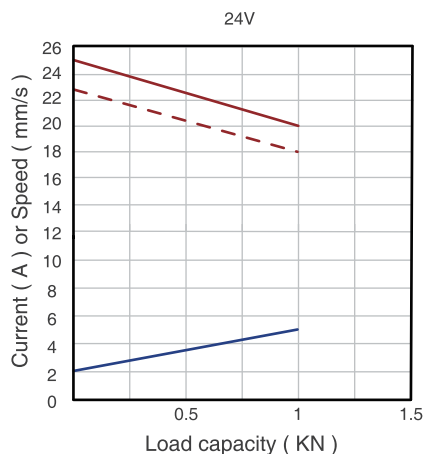
Stroke length versus load



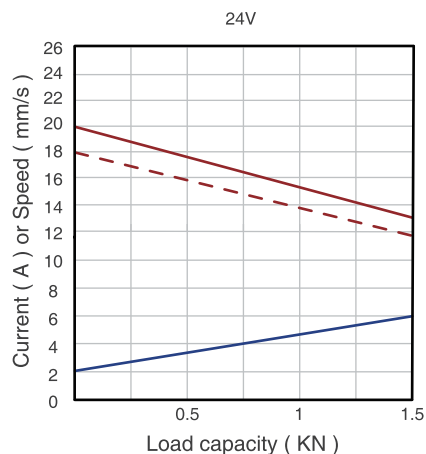
Characteristic

Typical speed ———
Min. speed - - - - -
Typical current ———
Max. current - - - - -

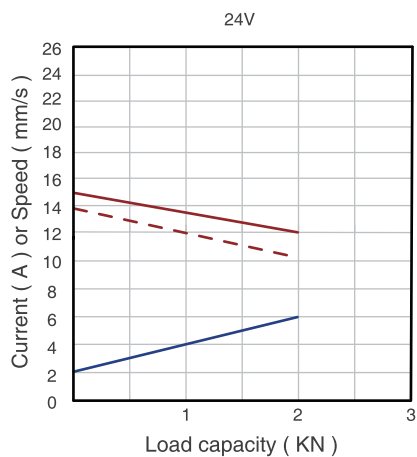
1000N



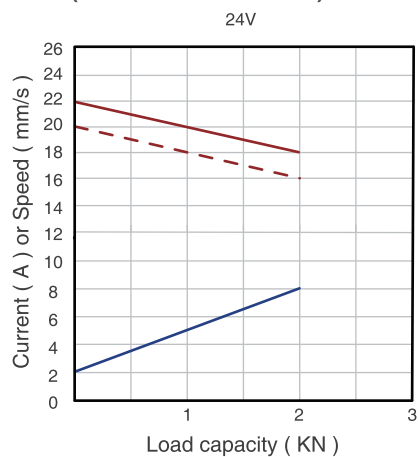
1500N



2000N

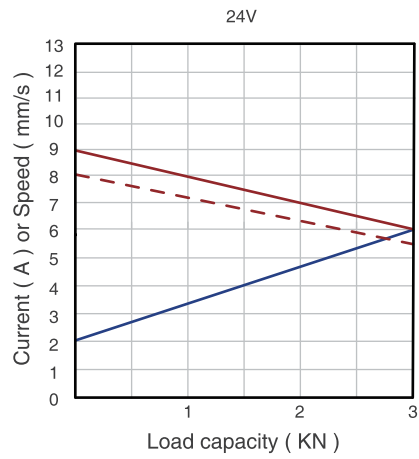


2000N (Double head worm)

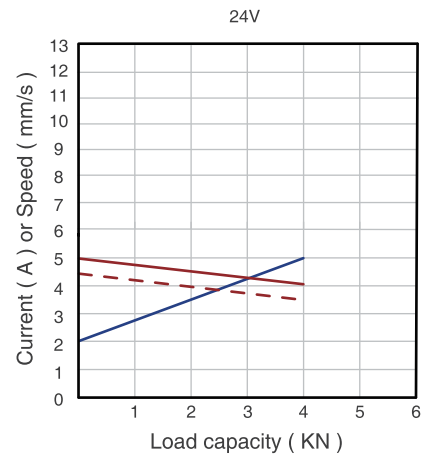


Typical speed ———
Min. speed - - - - -
Typical current ———
Max. current - - - - -

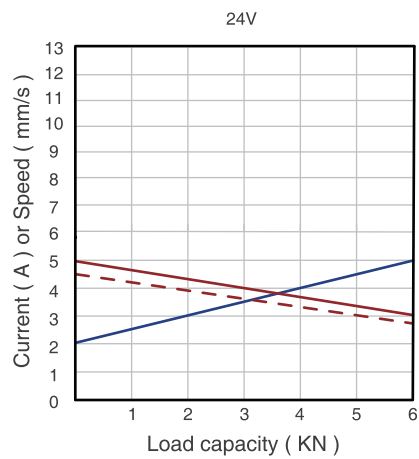
3000N



4000N



6000N



Ordering Key

Take **JC35EM20C21824700/95000022D010B** for example

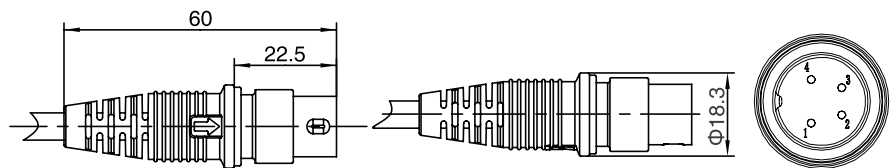
Model	JC35EM2	
Optional features	X	0 = Standard / Y = Hall sensor
Profile code	X	A:1#,2# / B:2#,3# / C:3#,4# / D:4#,5#
Load in push	X	6=6000N / 4=4000N / 3=3000N 2=2000N / 1D5=1500N / 1=1000N
Speed at full load	X	3=3mm/s 4=4mm/s 6=6mm/s 12=12mm/s 13=13mm/s 18=18mm/s 20=20mm/s
Input voltage	XX	24 = 24VDC
Stroke length/ Installation dimension	XXX/XXX	Stroke length = XXX Retracted length = XXX
Mounting	X	0 = Standard
Connection position	X	0: Top side outlet / 1: Top mounting plate outlet 2: Bottom side outlet / 3: Outgoing line of bottom mounting plate
The type of the plug and cable	X	00: Microphone plug 2-core straight line 02: 4-core straight line 2-core straight line 06: 4-core bending and 2-core straight line 10: 5-core in-line 6-core straight line 14: 2-core straight line without plug 21: 6-core ET directly inserted into 6-core motor wire 23: 4-core Maletti bending 2-core straight line 93: 6-core ET waterproof bending 6-core straight line
Cable length	XXX	0 = Standard
Surface	X	7: Mirror oxidation (semi hard oxygen) 10: Plastic spraying treatment 11: Wire drawing oxidation (surface wire drawing and polishing) 12: Ordinary oxidation
Color	X	B: Black W: Special for milky white column G: Grey

Motor wire

4-pin straight plug (standard)

Matching controller: JCB35Q/
JCB35T/ JCB35R/ JCB35R1/
JCB35S/ JCB35K2

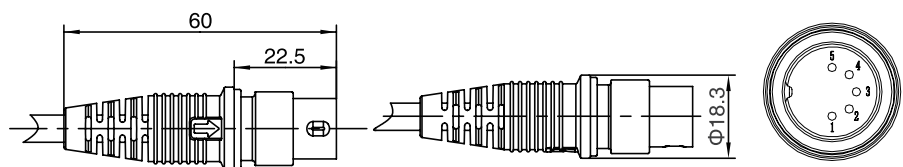
Pin	Color	Function
1	NC	Not connected
2	Brown	When positive voltage power on, actuator will go down
3	Blue	When positive voltage power on, actuator will go up
4	NC	Not connected
Outer ring	NC	Not connected



5 pin DIN plug (with Hall sensor)

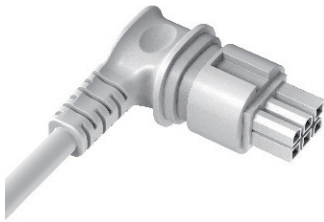
Matching controller: JCB35Q/
JCB35T/ JCB35R/ JCB35R1/
JCB35S/ JCB35K2

Pin	Color	Function
1	Red	5V
2	Brown	When positive voltage power on, actuator will go down
3	Black	GND
4	Blue	When positive voltage power on, actuator will go up
5	Yellow	Hall signal 1
Outer ring	Orange	Hall signal 2

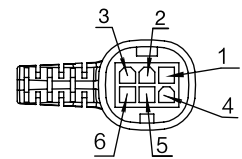
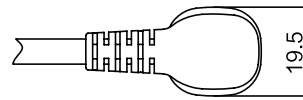
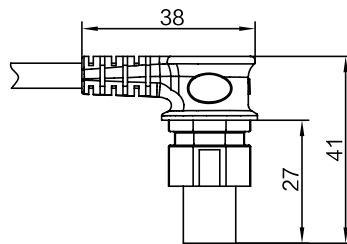


6 Pin Mini-Fit elbow plug

Matching control box :JCB35T2/
JCB35T3/JCB35Q3/JCB35K3



Pin	Color	Function
1	Orange	When not on lower limit, link with red wire
2	Black	When not on upper limit, link with yellow wire
3	Red	When not on lower limit, link with orange wire
4	Brown	When positive voltage power on, actuator will go down
5	Blue	When positive voltage power on, actuator will go up
6	Yellow	When not on upper limit, link with black wire



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