

JC35ES3 Lifting column

1. JC35ES3 column is a three-section square aluminum tube column; It is widely used in various workbenches, such as computer tables, instrument tables, workbenches and video systems;
2. JC35ES3 column is characterized by long stroke and high strength.



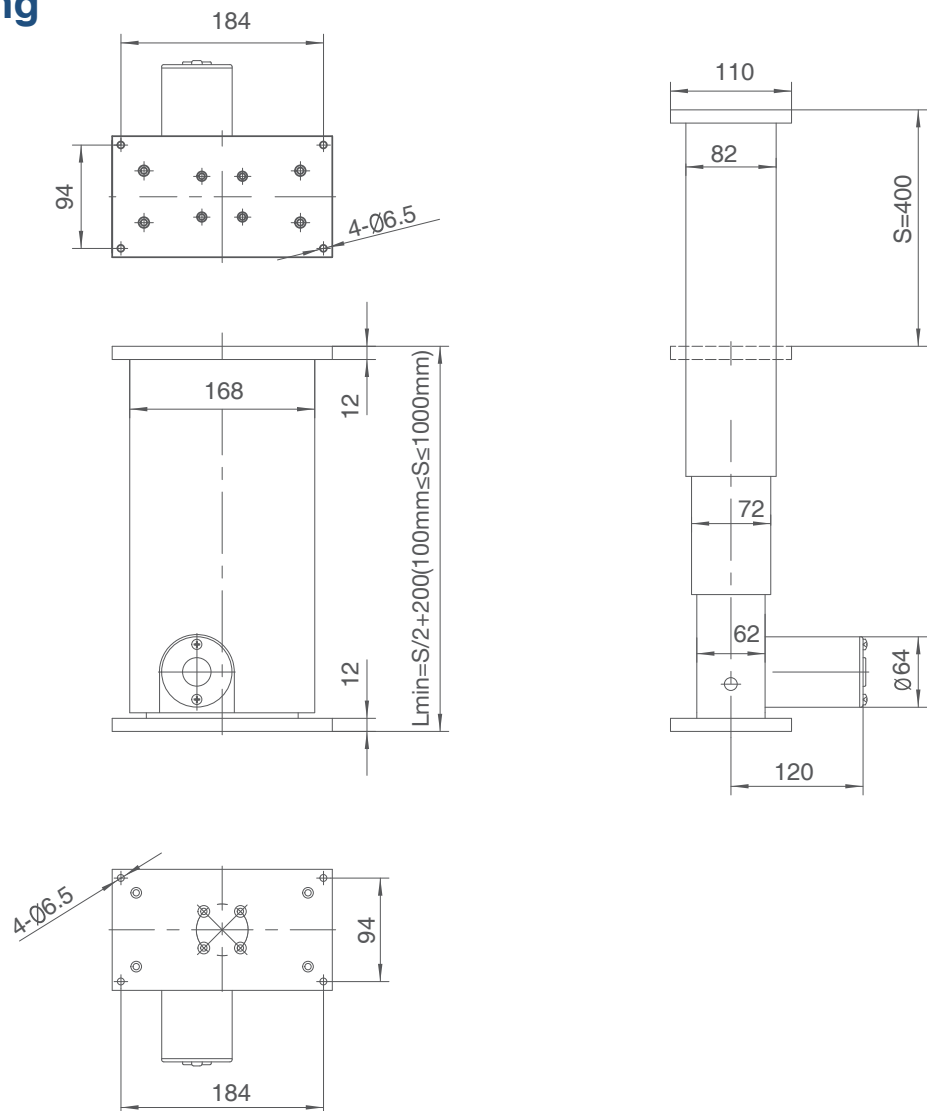
Features And Options

Load In Push:	2000 1000
Color:	Grey/ Black
IP Grade:	IP43
Stroke Length:	100-400mm (400-1000mm, option)
Installation Dimensions:	$L=S/2+200(100\text{mm} \leq S \leq 1000\text{mm})$
Noise Level:	$\leq 65\text{dB}(\text{environmental noise} \leq 40\text{dB})$
Optional:	Hall sensor Safety nut
Limit Switch:	Built-in (electrical)
Weight:	About 11kg(200/400) (different stroke length and installation dimensions with different weight)
Static Bending Moment:	500N·m
Approval:	IEC60601-1: 2012 EN 60601-1:2006+A12:2014 ANSI/AAMI ES60601-1:2005/(R)2012 and A1:2012, C1:2009/(R)2012 and A2:2010/(R)2012

Usage

Duty Cycle:	10%, max. 2min.continuous working and 18 min.off
Operating Temperature:	+5 °C to +40°C
Reserve Temperature:	-10°C~50°C
Supporting Control Box:	Match with JIECANG control box
Relative Humidity:	20% to 90% at 30 °C, non-condensing
Atmospheric Pressure:	700 to 1060hPa

Dimension Drawing

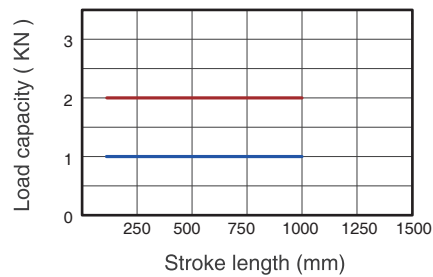


Technical Data-Standard Value

Input 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	6/2+6/3	1000	/	1000	25/18	≤ 6.5
24	6/2+6/3	2000	/	2000	15/10	≤ 6.5
29	6/2+6/3	1000	/	1000	30/21.5	≤ 7
29	6/2+6/3	2000	/	2000	18/12	≤ 7

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.

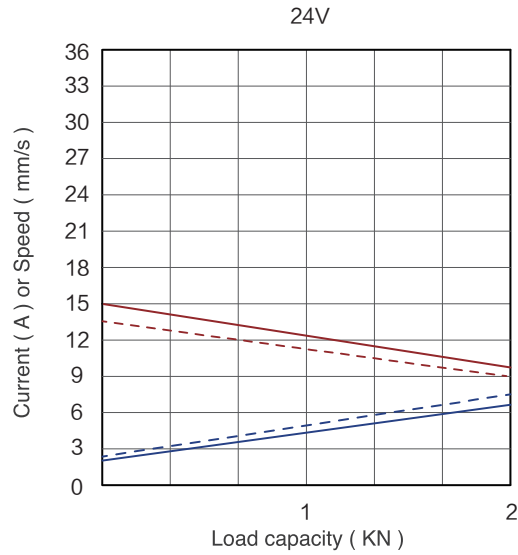
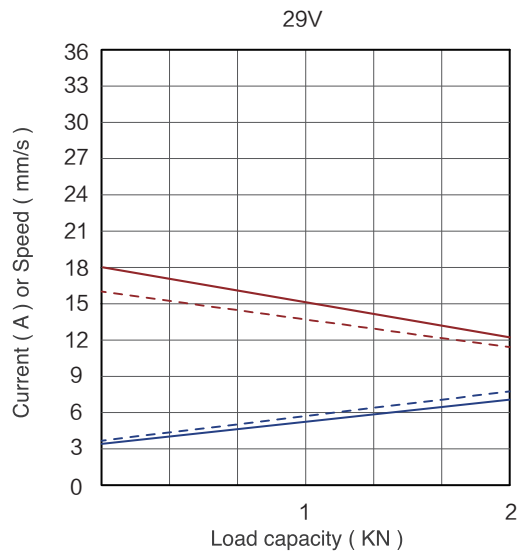
Diagram of relationship between stroke length and load



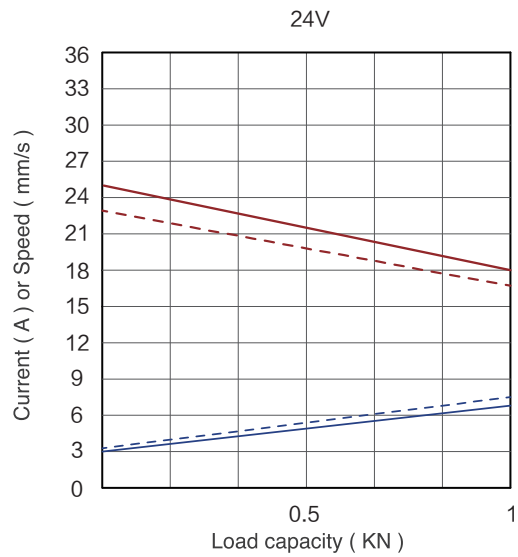
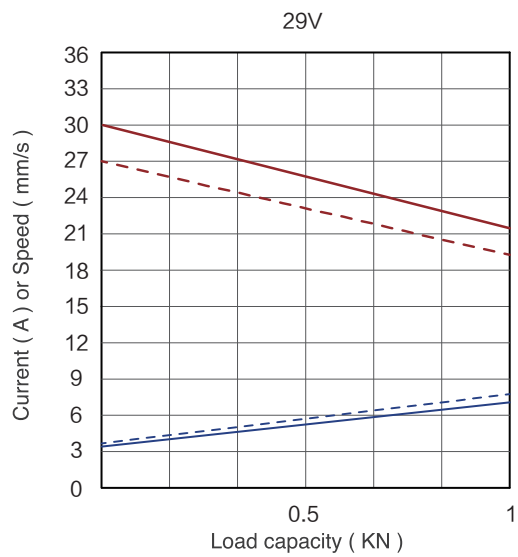
Characteristic Curve

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

2000N



1000N



Ordering Examples

Take **JC35W502412150/270/VB37LF470020D5** for example

Model	JC35ES3	
Optional features	X	0 = Standard / Y = Hall sensor
Profile code	X	A:1#,2# / B:2#,3# / C:3#,4# / D:4#,5# / E:1#,2#,3#
Load in push	X	2=2000N / 1=1000N
Speed at full load	XX	10=10mm/s
Input voltage	XX	24=24VDC
Stroke length Installation dimensions	XXX/XXX	Stroke length=XXX Installation dimensions =XXX
Mounting	X	0=Standard, A=200×110×12,B=200×110×10
Connection position	X	0: Top side outlet / 1: Top mounting plate outlet / 2: Bottom side outlet
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 36: 4-core silver fox directly inserted into 2-core motor wire
Cable length	XXX	0=None / 1=1M / 1D5=1.5M
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 / G=Grey



Strictly abiding by medical safety certifications

Passed EMC tests. To ensure our products pass all kinds of tests domestic or abroad.



Communication protocol development

Aiming at different applications, develop more extensive functions for control system.



Professional customization

Powerful R&D strength, fully satisfy customers' needs. Development cycle is about 10 days, seizing more market opportunities



Intelligent Control of Bluetooth

Mobile phone as the remote, applying in home care. Market pioneer, Jiecang provides better choices



Wireless Communication

Controllers adopt high-frequency wireless system. It can avoid interference mixing with signal receivers, assisting in remote control over medical equipment.



Latest Weighing System

Designed for physiotherapy beds and medical care beds. Cantilever carrying weighing sensor, it is applicable to different bedsteads dispensing with any adjustment

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Notes for mounting and usage can be found in the corresponding mounting manual