JIECANG

JC35ES2 Lifting column



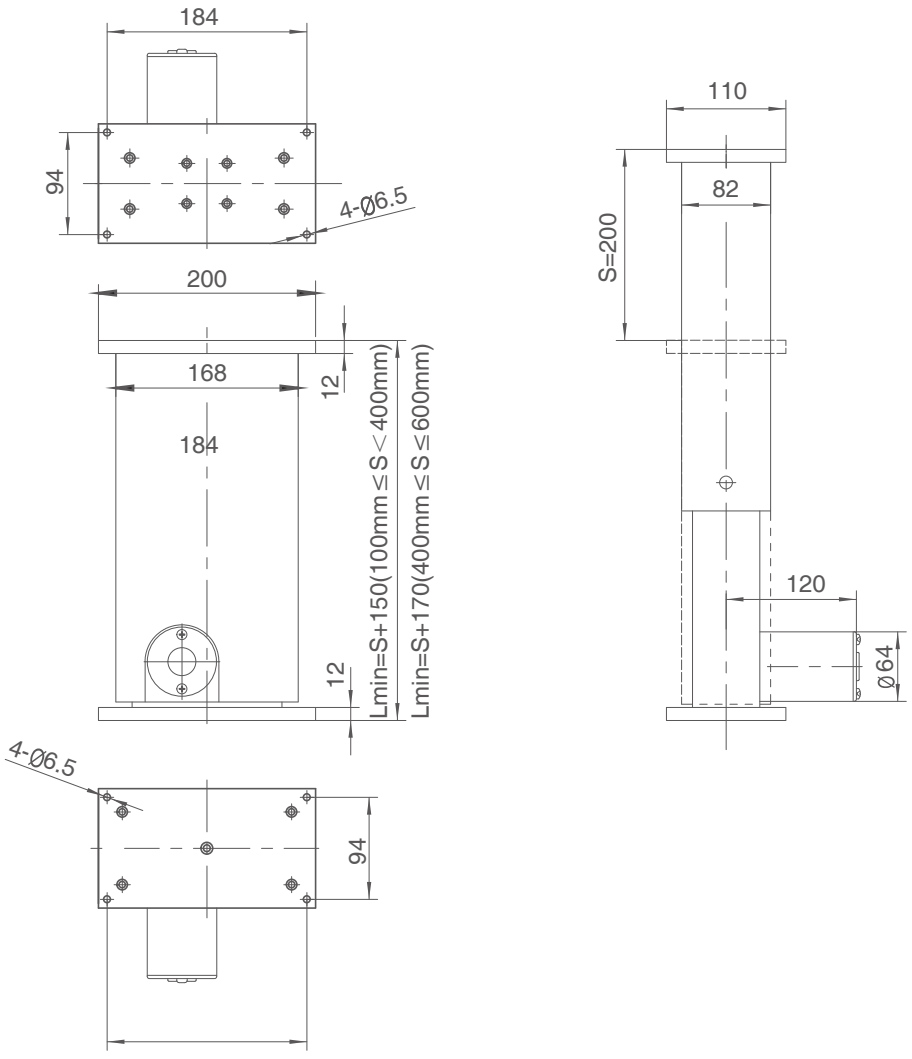
1. JC35ES2 Column is a two□stage square aluminum□tube column widely used in various workstations, such as computer desks, instrument tables, workbenches, and video systems. Available maximum thrust options: 1000□N, 2000□N, 3000□N, 4000□N, 6000□N.
2. The JC35ES2 column features high load capacity and high strength.

Features And Options

Dynamic Load Push(N):	6000 | 4000 | 3000 | 2000 | 1000
Colour:	Black | Silver-gray
Stroke Length:	100-400mm（400-600mm, option）
Installation Dimension:	(Standard): L=S+150 (100≤S<400) (Special): L=S+170 (400≤S≤600)
Noise Level:	≤65dB(environmental noise≤40dB)
Optional:	Hall sensor | Safety nut
Limit Switch:	Built-in (electronic)
Weight:	About 7.5kg(180/400) (different stroke length and installation dimensions with different weight)
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

Dimensions

Duty Cycle:	10%, max. continuous work for 2min. and 18 min. off
Operating Temperature:	+5 °C to +40°C
Reserve Temperature:	-10°C ~ +50°C
Supporting Control Box:	Matching with JIECANG control box
Relative Humidity:	20% to 90% at 30 °C, non-condensing
Atmospheric Pressure:	700 to1060hPa

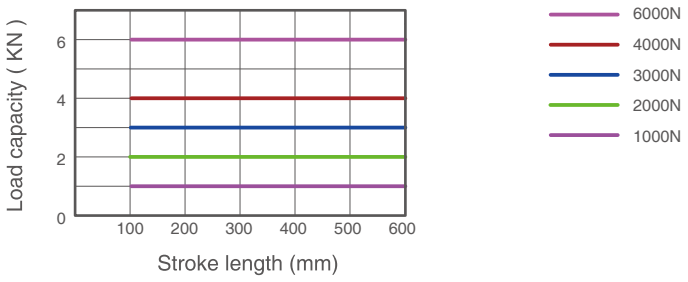


Technical Specifications (Standard Value)

Input voltage (VDC)	Spindle pitch (mm)	Max. load in push (N)	Max. load in pull (N)	Mechanical self-locking (N)	Speed at no load/full load （mm/s）	Current at full load (A)
24	12	1000	/	800	30/21	≤4.5
24	5	2000	/	3000	13/11	≤4.5
24	7.5	3000	/	3000	10.5/8	≤5
24	5	4000	/	4000	7/5.3	≤4.5
24	4.0	6000	/	6000	5.5/4.5	≤6.5
12	12	1000	/	800	30/20	≤9
12	5	2000	/	2000	13/8	≤9
12	5	4000	/	4000	8/4.5	≤10.1

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.
1kg=2.2lb□100mm=3.94inch

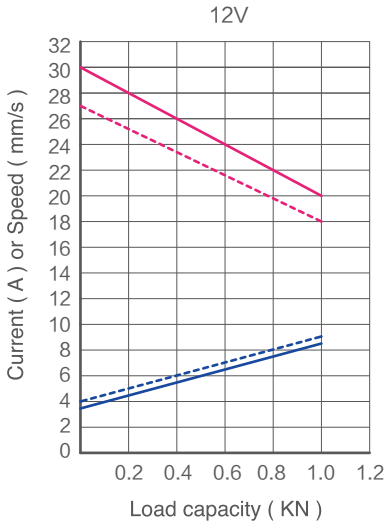
Diagram of relationship between stroke length and load

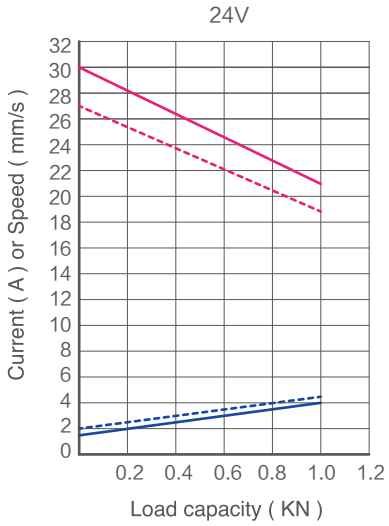


Characteristic Curve

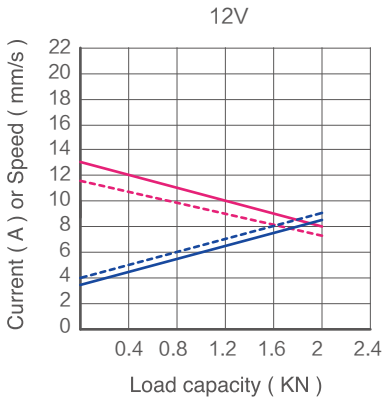
Typical speed
Min. speed
Typical current
Max. current

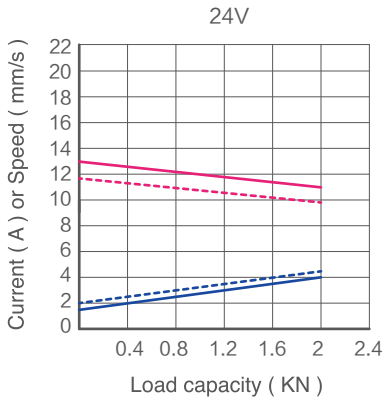
1000N



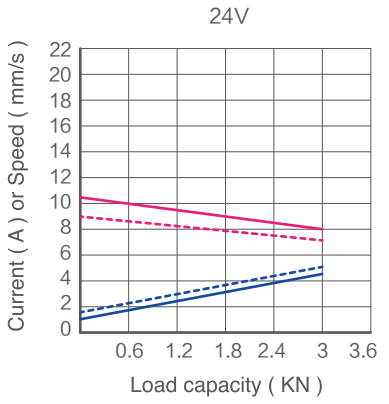


2000N

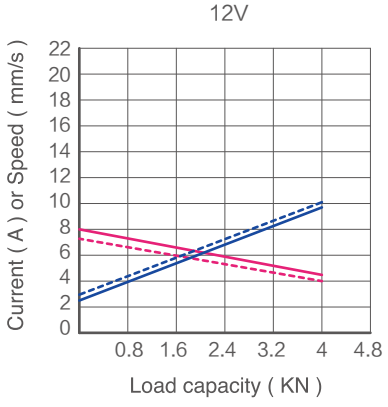


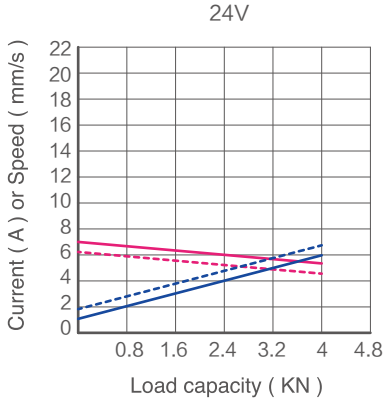


3000N

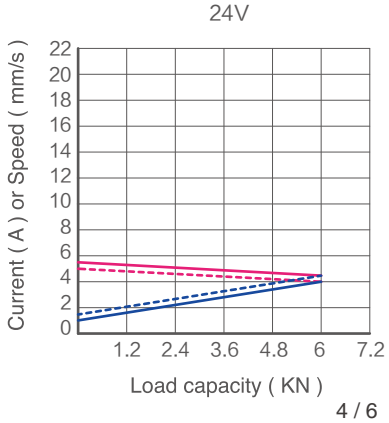


4000N





6000N



Ordering Key

Take **JC35ES2Y044D524200/350A0211D510G** as an example

Model	**JC35ES2**	
Optional features	**X**	0 = Standard / Y = Hall sensor
Profile code	**X**	0=standard
Load in push	**X**	6=6000N / 4=4000N / 3=3000N / 2=2000N / 1=1000N
Speed at full load	**XX**	20=20mm/s / 11=11mm/s / 8=8mm/s / 5D3=5.3mm/s / 4D5=4.5mm/s
Input voltage	**XX**	24=24VDC / 12=12VDC
Stroke length Installation dimensions	**XXX/XXX**	Stroke length=XXX Installation dimensions =XXX
Mounting plate code	**X**	A=200×110×12
Cable outlet	**X**	0 =Side of top outlet
Type of connector and cable	**X**	21=6 Pin ET Straight Connector
Cable length	**XXX**	1D5=1.5M
Surface treatment	**X**	7= Mirror anodizing (hard anodizing, semi□hard) 10= Powder coating 11=Brushed anodizing (surface brushed & polished) 12=Standard anodizing
Colour	**X**	B: Black / G: Silver Gray / W: White

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