JC35L80 Linear Actuator

The JC35L80 is a compact, light-load linear actuator.

It is primarily designed for use in electric recliner sofas. . ts compact size makes it more adaptable to various sofa designs and better aligned with the market demand for home recliner sofas.



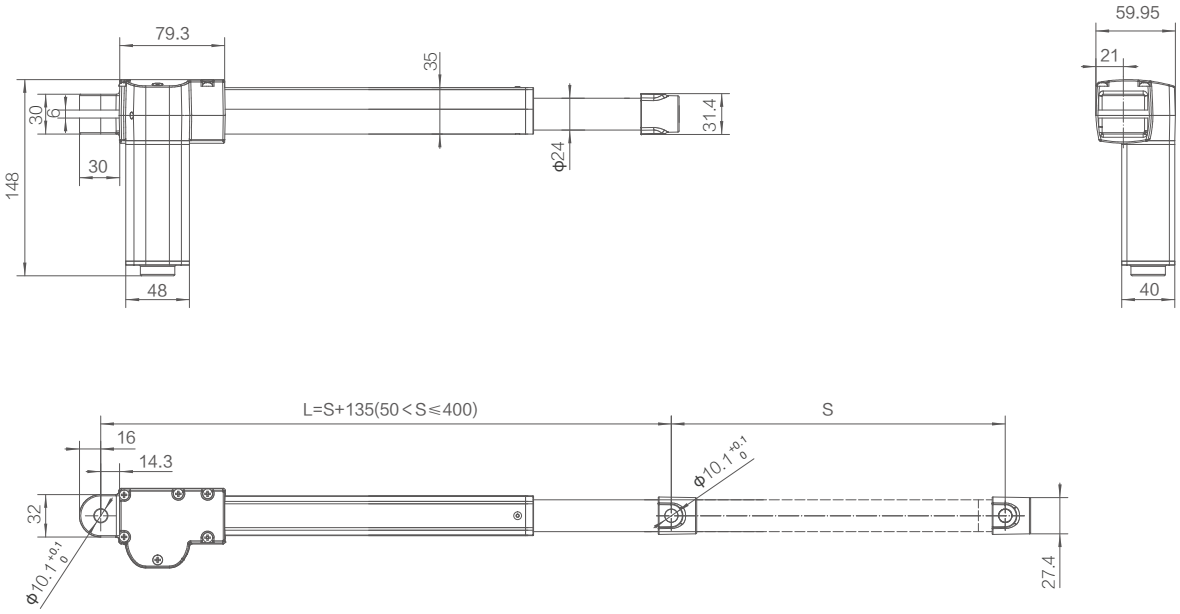
Features And Options

Load in Push:	500N | 800N | 1000N
Load in Pull:	500N | 800N | 800N
Color:	Black
Protection Class:	ProIP20
Stroke Length:	50-400mm
Installation Dimensions:	L = S + 135 (50 < S ≤ 300)
Noise Level:	≤45dB (no-load), ambient noise ≤40dB
Optional:	Hall sensor
Limit Switch	Built-in electrical
Weight:	About 2kg (different stroke length and installation dimensions with different weight)
Static Bending Moment:	Static bending moment: lateral load are not allowed

Usage

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

Dimensions

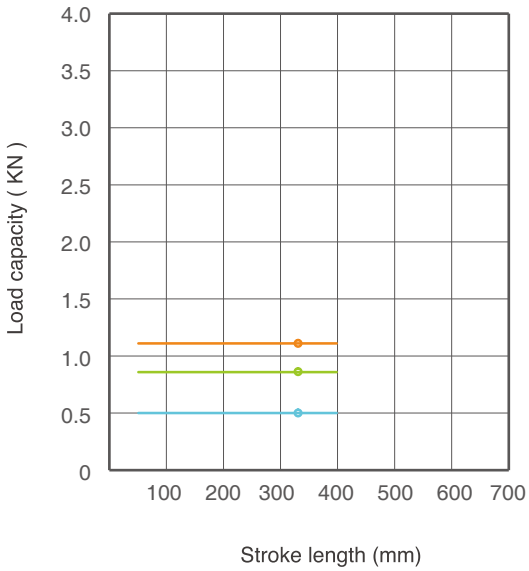


Technical Specifications (Standard Value)

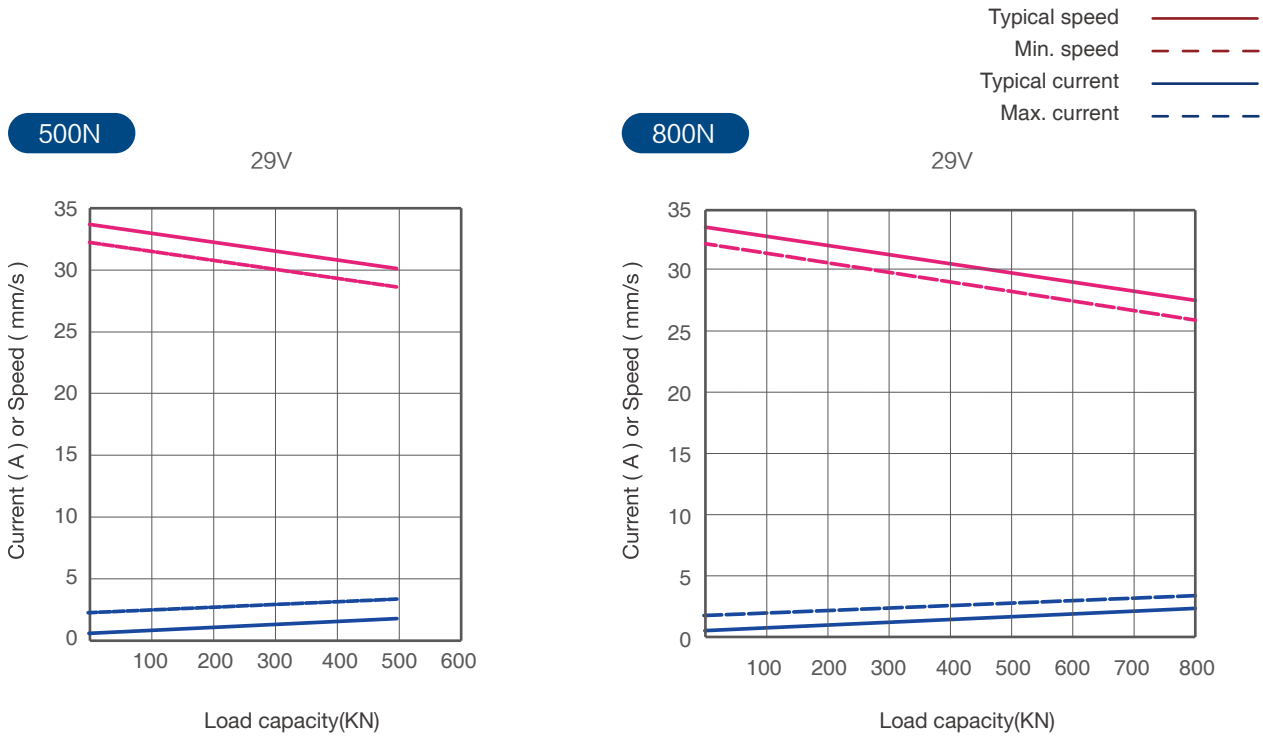
Input voltage (VDC)	Spindle pitch (mm)	Max. load in push (N)	Max. load in pull (N)	Mechanical self-locking (N)	Speed at no load/full load (mm/s)	Current at full load (A)
29	7.5	1000	800	800	34/23	≤5.0
	7.5	800	800	800	34/27	≤4.0
	7.5	500	500	800	34/30	≤2.5

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.
1kg=2.2lb, 100mm=3.94inch

Diagram of relationship between stroke length and load



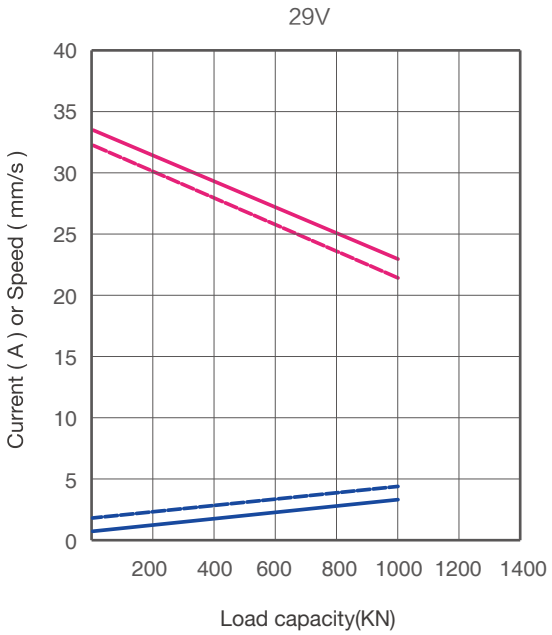
Characteristic Curve



Characteristic Curve

Typical speed
Min. speed
Typical current
Max. current

1200N



Ordering Key

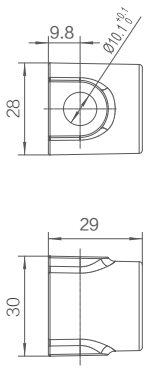
Take **JC35L80PY0D5929176/491HBB48SF8901871D0** as an example

Model	**JC35L80**	
Optional features	**X**	0=Standard P= Only push no pull option Y= Hall sensor PY=Only push no pull option + Hall sensor
Load in push	**X**	1=1000N | 0D8=800N | 0D5=500N
Speed at full load	**X**	4=4mm/s | 5=5mm/s | 8=8mm/s | 5D5=5.5mm/s
Input voltage	**XX**	29 = 29VDC
Stroke length/ Installation dimension	**XXX/XXX**	Stroke length = XXX Installation dimension = XXX
Clevis directions	**X**	H = horizontal
Colour	**X**	B = Black
End clevis specification	**XX**	B48=slot 6, slot depth 30, and the hole diameter isϕ10.1
End clevis material	**X**	S=Plastic end clevis
Front clevis specification	**XX**	F89=add JC35L22 plastic cushion sleeve, hole diameter 10.1; Add JC35L22 cushion cover; Add D inner tube front pull sleeve (black)
Brake specification	**X**	0 = Standard
Type of connector and cable	**XX**	189=0.25m black 5-core male-female connector, 0.67m lug post 01 plug, 0.25m straight L82 clip, 1-to-2 DC wire, stripped 27mm 190=0.25m black 5-core male-female connector, 0.47m lug post 01 female plug, 0.67m lug post 01 plug, 0.25m straight L82 clip, 1-to-3 DC wire, stripped 27mm
Cable length	**XXX**	1D0=1m | 0D8=0.8m

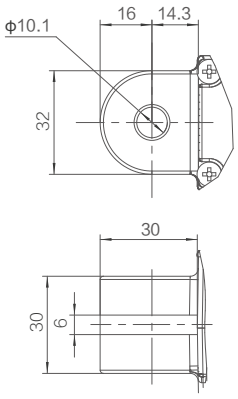
Ordering Details

Dimensions of clevis

Front clevis F89



End clevis B48



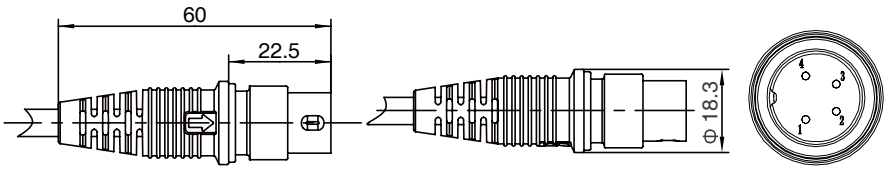
Motor cable

4 Pin Din connector (standard)

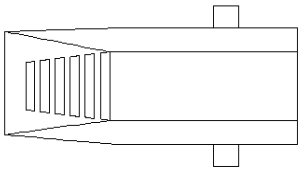
Supporting control box:
JCB35Q / JCB35T / JCB35R / JCB35R1 / JCB35S / JCB35K2

Pin	Colour	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

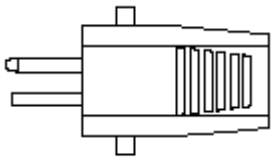




Cable clip 01
C01MC


CTXK-0205

Male Plug with Cable Clip 01 (Male Plug with Ear Stud 01)
C01GC


CTXK-0192

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