

JC35N6 Linear Actuator

Application field - Medical Line & Reha Line & Technical Line
 Preferably in medical rehabilitation equipment
 and other industrial occasions.

With a small size and outstanding performance, the JC35N6 provides a practical and alternative to small traditional rehabilitation systems like wheelchairs.

With high protection class of max. IPX6, JC35N6 is also available for some technical applications which requires load of 600N yet small sizes.



Features And Options

Dynamic Load In Push (N):	600 1200
Dynamic Load In Pull (N):	600 1200
Colour:	Black
Protection Class:	Max. IPX6
Stroke Length (mm):	600N: 30-300mm 1200N: 30-300mm
Installation Dimension:	L=S+155 (30 ≤ S ≤ 300, Standard) L=S+170 (30 ≤ S ≤ 300, With Hall sensor/Built in overcurrent protection) L ≤ 470
Noise Level:	Standard/Hall sensor ≤ 55dB (environmental noise ≤ 40dB) Built-in overcurrent protection version ≤ 50dB (environmental noise ≤ 40dB)
Options:	Hall sensor
Standard:	Mechanical end stop
Built-in Electronic Limit Switch:	Built in overcurrent protection optional (cannot be selected at the same time as Hall feedback), the push rod stops at the top by blocking the rotation (When the version without built-in overcurrent protection is selected, it is not allowed to be matched with an unprotected system. It is recommended that the overcurrent protection value be set to 2A.)
Weight:	About 0.7kg (different stroke length and installation dimensions with different weight)
Static Bending Moment:	Lateral load is not allowed

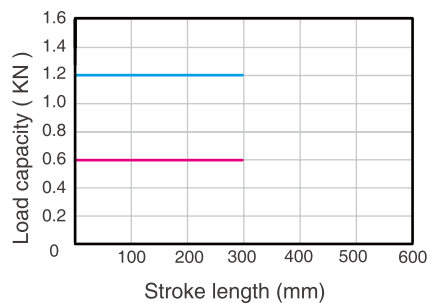
Technical Specifications (Standard Value)

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	3	600	600	600	10.5/7.4	≤1.5
24	3	1200	1200	1200	7/4.5	≤1.5

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 .

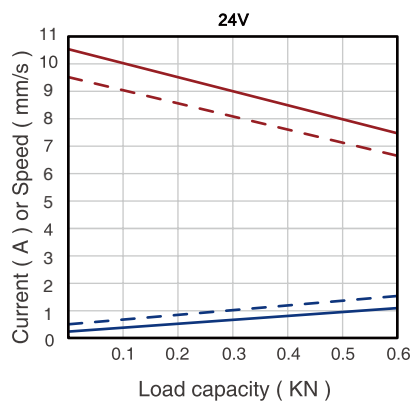
Diagram of relationship between stroke length and load



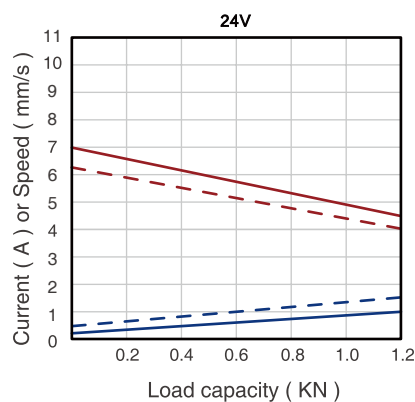
Characteristic Curve

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

600N



1200N



Ordering Key

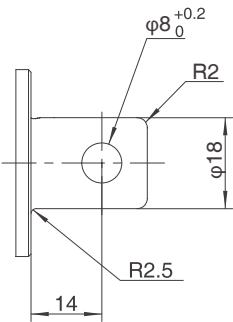
Take **JC35N600D67D424100/2550BTLF220020D5** as an example

Model	JC35N6	
Optional features	0	0 = Standard / Y = Hall sensor / U=Built-in overcurrent protection
Load in push	0D6	0D6 = 600N / 1D2 = 1200N
Speed at full load	7D4	7D4 = 7.4mm/s 4D5 = 4.5mm/s
Input voltage	24	24 = 24 VDC
Stroke length/ Installation dimension	100/255	Stroke length = XXX Installation dimension = XXX
Clevis directions	0	0 = Standard
Colour	B	B = Black
End clevis specification	T	T = Without slot Φ 8
End clevis material	L	L = Aluminium alloy
Front clevis specification	F22	F22= hole ϕ 8
Brake specification	0	0 = No brake
Type of connector and cable	02	02= 4 Pin Din connector 21= 6 Pin Mini-Fit connector
Cable length	0D5	0D5 = 0.5m / 1D5=1.5m

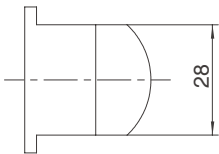
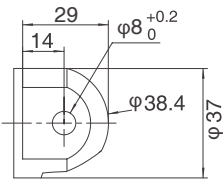
Ordering Details

Dimensions of clevis

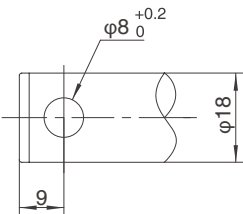
End clevis: T Standard



End clevis: T Waterproof



Front clevis: F22



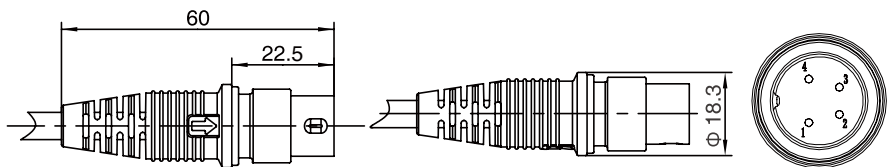
Motor cable

**4 Pin Din connector
(standard/Built-in over-current
protection)**

Supporting control box:
J CB35Q / JCB35T / JCB35R /
JCB35R1 / J CB35S

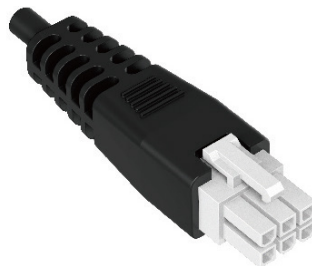


Pin	Colour	Function
1	NC	Not connected
2	Brown	When positive voltage power on, actuator will go down
3	Blue	When positive voltage power on, actuator will go up
4	NC	Not connected
Outer ring	NC	Not connected

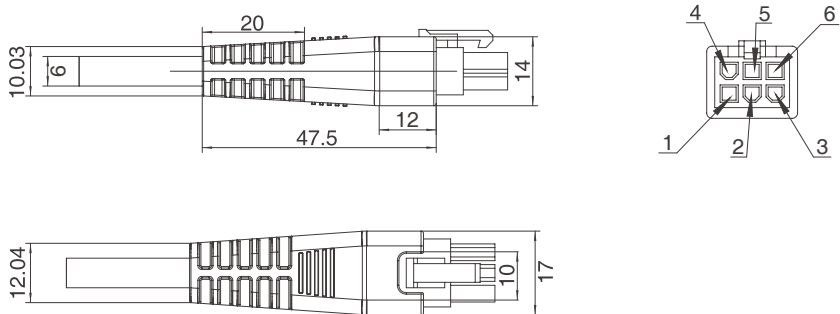


**6 Pin Mini-Fit connector
(with hall sensor)**

Supporting control box :
JCB35N / JCB35H



Pin	Colour	Function
1	Orange	Hall sensor 2
2	Black	GND
3	Red	5V
4	Brown	When positive voltage powered on, actuator goes down
5	Blue	When positive voltage powered on, actuator goes up
6	Yellow	Hall sensor 1





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

Disclaimer and Exclusion of Liability



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