JC35DNF Linear Actuator



24VDC or 12VDC permanent magnet motor
Aluminium-Alloy outer tube and inner tube,durable and corrosion resistant
High-strength front and back fixtures

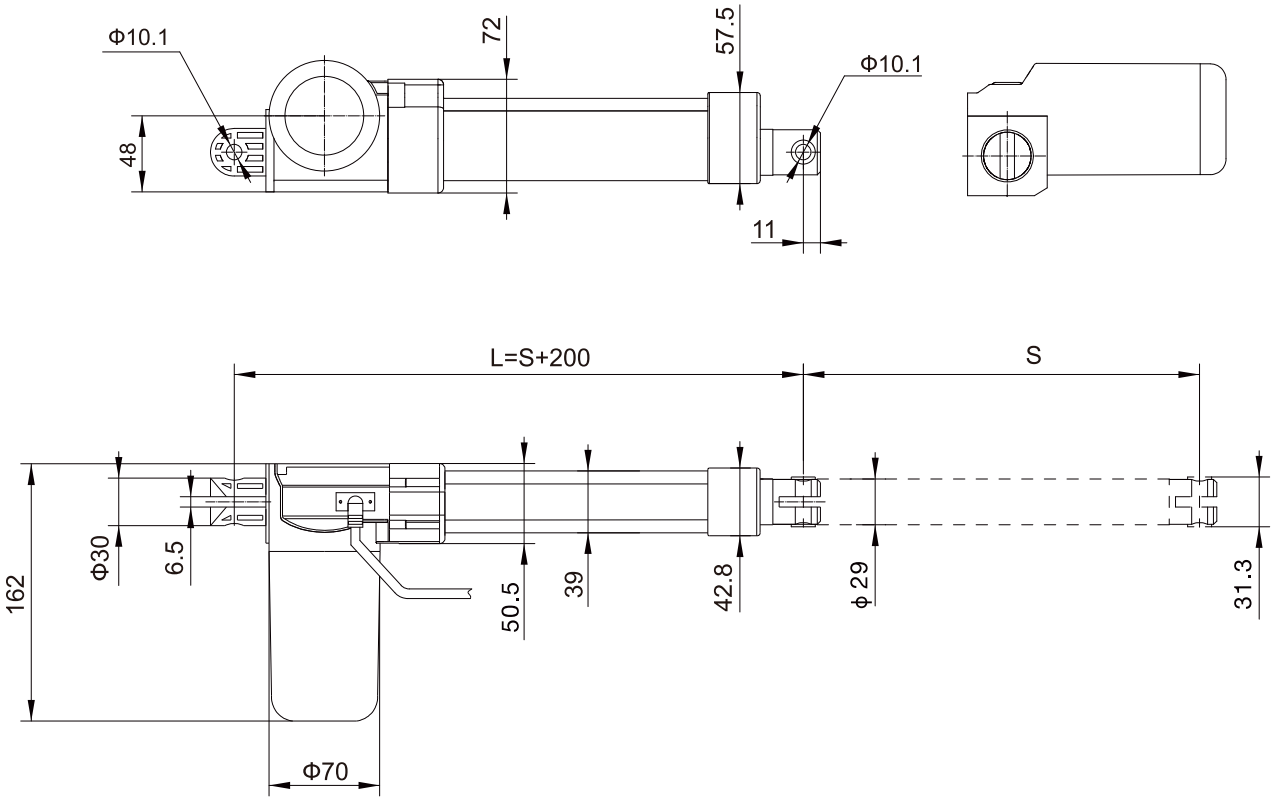
Features And Options

Dynamic Load In Push(N):	6000
Dynamic Load In Pull(N):	4000
Colour:	Gray / Black
Protection Class:	Max. IP66
Noise Level:	Low noise,The average noise level is lower than 60dB (environmental noise is lower than 40dB)
Optional:	Only Push
Limit Switch:	Built-in (electronic)
Static Bending Moment:	Lateral load is not allowed
Approval:	CE,UL60601-1,IEC60601-1

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:	Matching with JIECANG control box
Relative Humidity:	20% to 90% at 30°C, non-condensing
Atmospheric Pressure:	700 to1060hPa

Dimensions



Technical Specifications (Standard Value)

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)
4	6000	6000	6000	8.5/6	8
5	4000	4000	4000	12/9	7
5	2000	2000	2000	22/18	8
12	1000	1000	1000	58/42	9
16	500	500	500	75/55	7

Remarks:
· The above data are measured under 24VDC.
· JIECANG control boxes can short-circuit the motor terminals (poles) when the actuator(s) are not running.
· This solution gives the actuator(s)a higher self-locking ability.If the actuator(s)are not connected to a JIECANG control box,the terminals of the motor must be short-circuited to achieve the higher self-locking ability of the actuator.
· When the load in push is above 6000N,the max.stroke length is 400mm;
· When the load in push is above 4000N,the max.stroke length is 500mm;
· When the load in push is above 2000N,the max.stroke length is 600mm;
· When the load in push is above 1000N,the max.stroke length is 600mm;
· When the load in push is above 500N,the max.stroke length is 650mm.

Characteristic Curve

Diagram of relationship between current,speed and load of JC35DNF-500N 12V

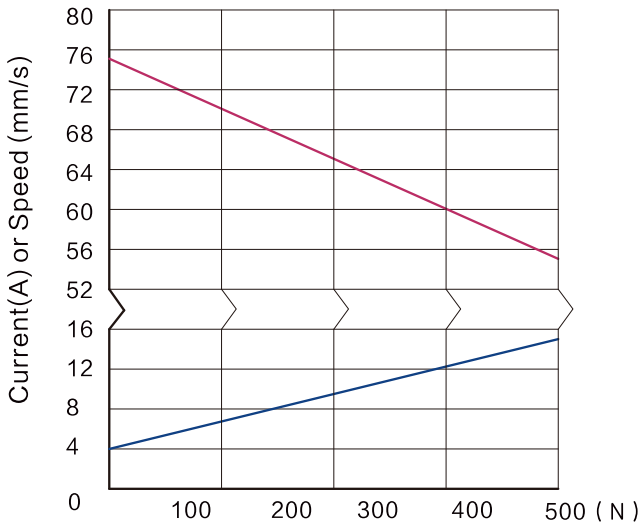


Diagram of relationship between current,speed and load of JC35DNF-500N 24V

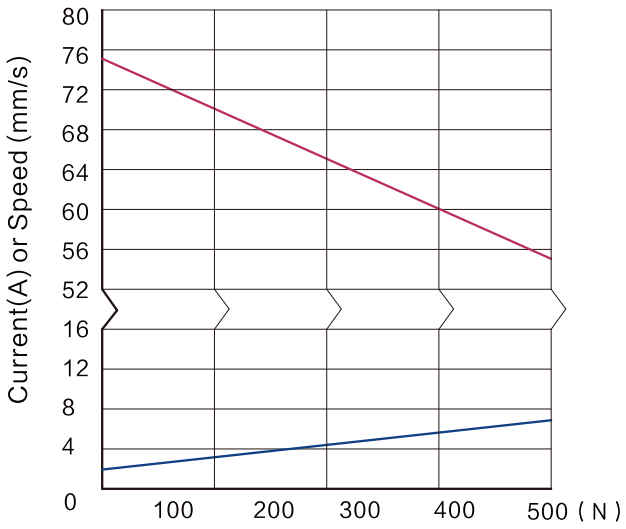


Diagram of relationship between current,speed and load of JC35DNF-1000N 12V

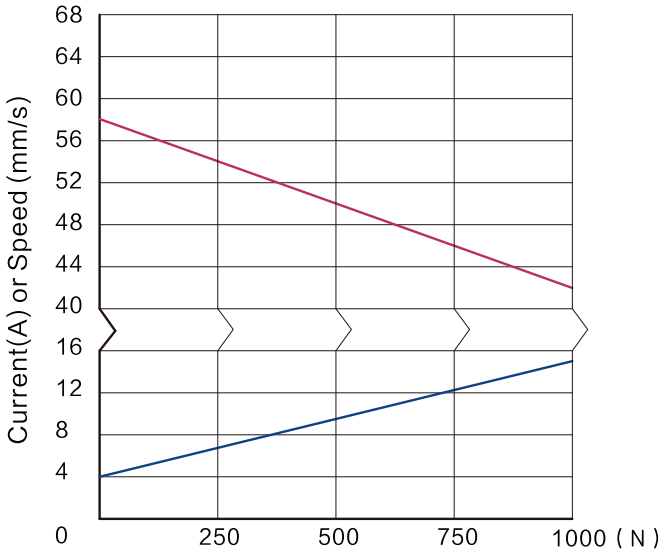


Diagram of relationship between current,speed and load of JC35DNF-1000N 24V

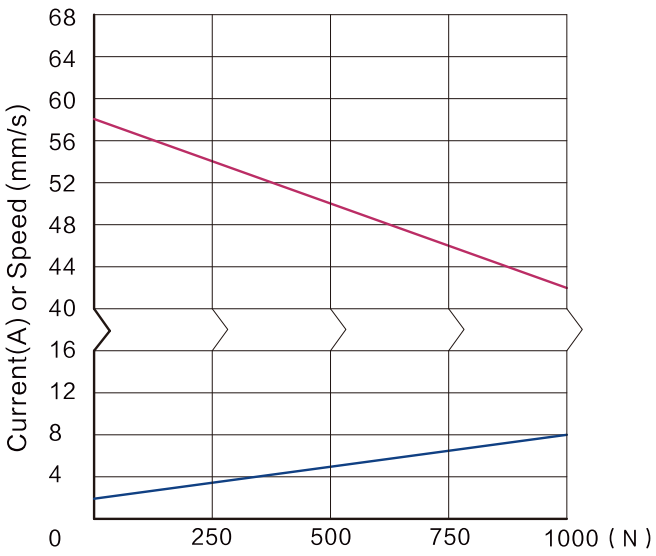


Diagram of relationship between
current,speed and load of JC35DNF-2000N 12V

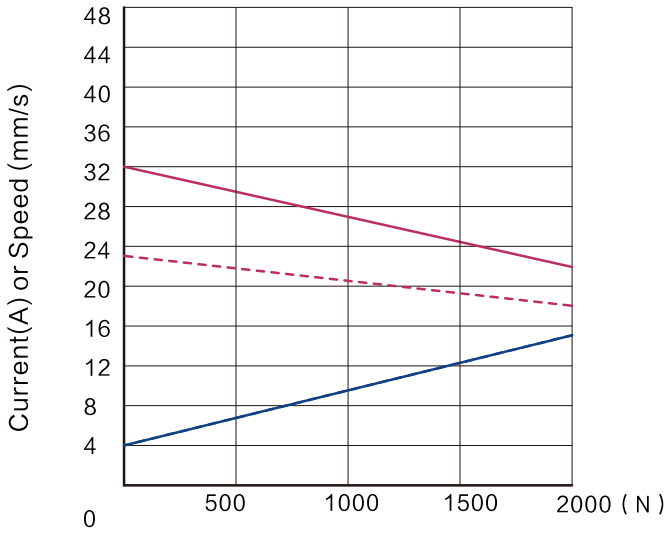


Diagram of relationship between
current,speed and load of JC35DNF-2000N 24V

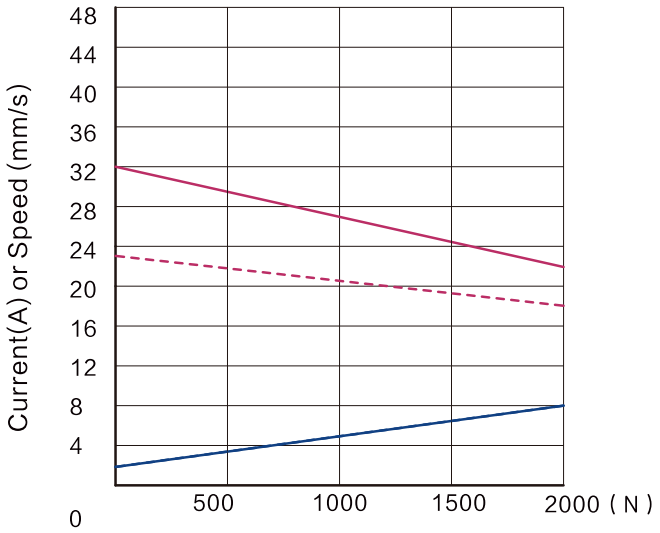


Diagram of relationship between
current,speed and load of JC35DNF-4000N 12V

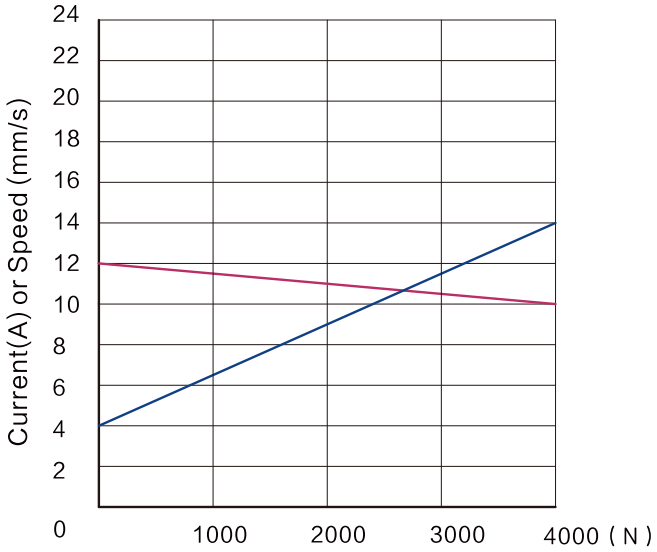


Diagram of relationship between
current,speed and load of JC35DNF-4000N 24V

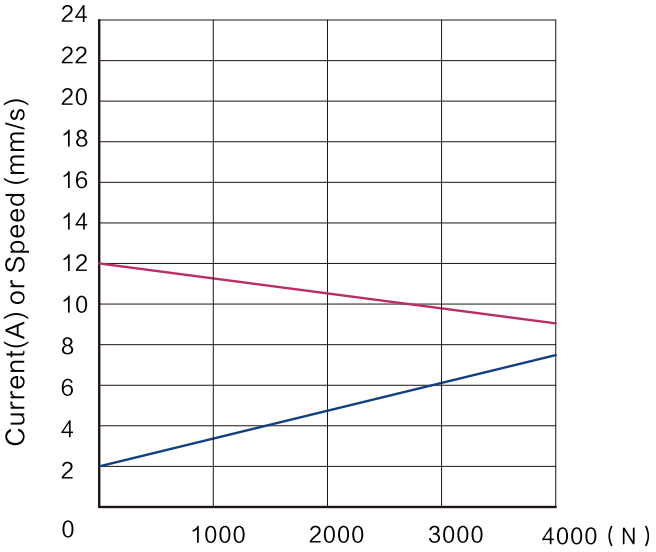
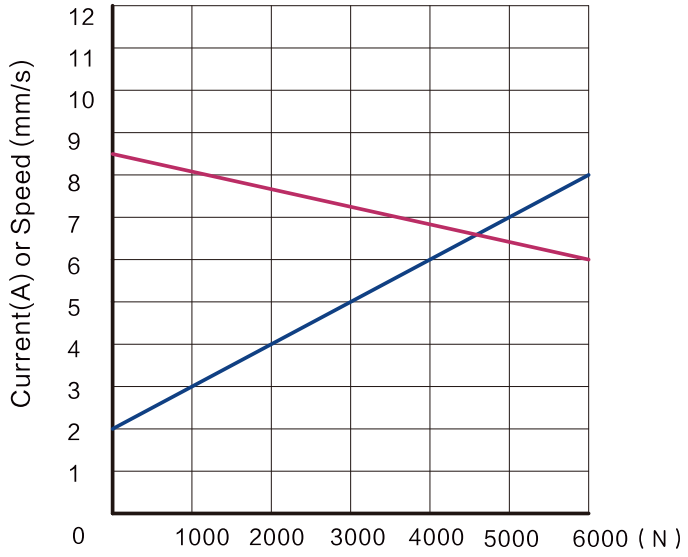


Diagram of relationship between
current,speed and load of JC35DNF-6000N 24V



Ordering Key

Take **JC35DNFP49241501350HBDZD0021D5** as an example

Model	**JC35DNF**	
Optional features	**X**	0 = Standard / P = Only push / Y = Hall sensor / R = Reed switch
Load in push	**X**	4=4000N
Speed at full load	**X**	9=9mm/s
Input voltage	**XX**	24 = 24 VDC
Stroke length/ Installation dimension	**XXX/XXX**	Stroke length=XXX Installation dimensions =XXX
Clevis directions	**X**	H=horizontal V=vertical (to motor direction)
Colour	**X**	G=Gray / B=Black
End clevis specification	**X**	D = Slot 6.5, hole diameterΦ10.1
End clevis material	**X**	Z = Zinc Aluminum alloy
Front clevis specification	**X**	D = Slot 6.5, hole 10.1 with bushing
Brake specification	**X**	0 = No brake / 1 = brake in pull / 2 = brake in push
Type of connector and cable	**XX**	02 = 4 Pin Din connector
Cable length	**XXX**	1D5=1.5m

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

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