

Linear Actuator JC35DNF



TECHNOLOGY
DRIVES INTELLIGENT LIFE

Data sheet

Linear Actuator JC35DNF

Features

- 24VDC permanent magnet motor
- Thrust up to 6000 N in push and up to 4000 N in pull
- Color: grey/black
- IP grade: Max. IP66
- Aluminium-Alloy outer tube and inner tube, beautiful and corrosion resistant
- Low noise, The average noise level is lower than 48dB (ambient noise is less than 40dB)
- Built-in electronic limit switches
- High-strength front and back fixtures
- Certificate : CE, UL60601-1, IEC60601-1



Options

- Only push no pull (Anti-pitch option)

Usage

- Ambient temperature: 5 °C ~ 40 °C
- Duty cycle: 10%, continuous work for max. 2 minutes with a rest of 18 minutes
- Compatible with: JCB35E, JCB35Q, JCB35T, JCB35R

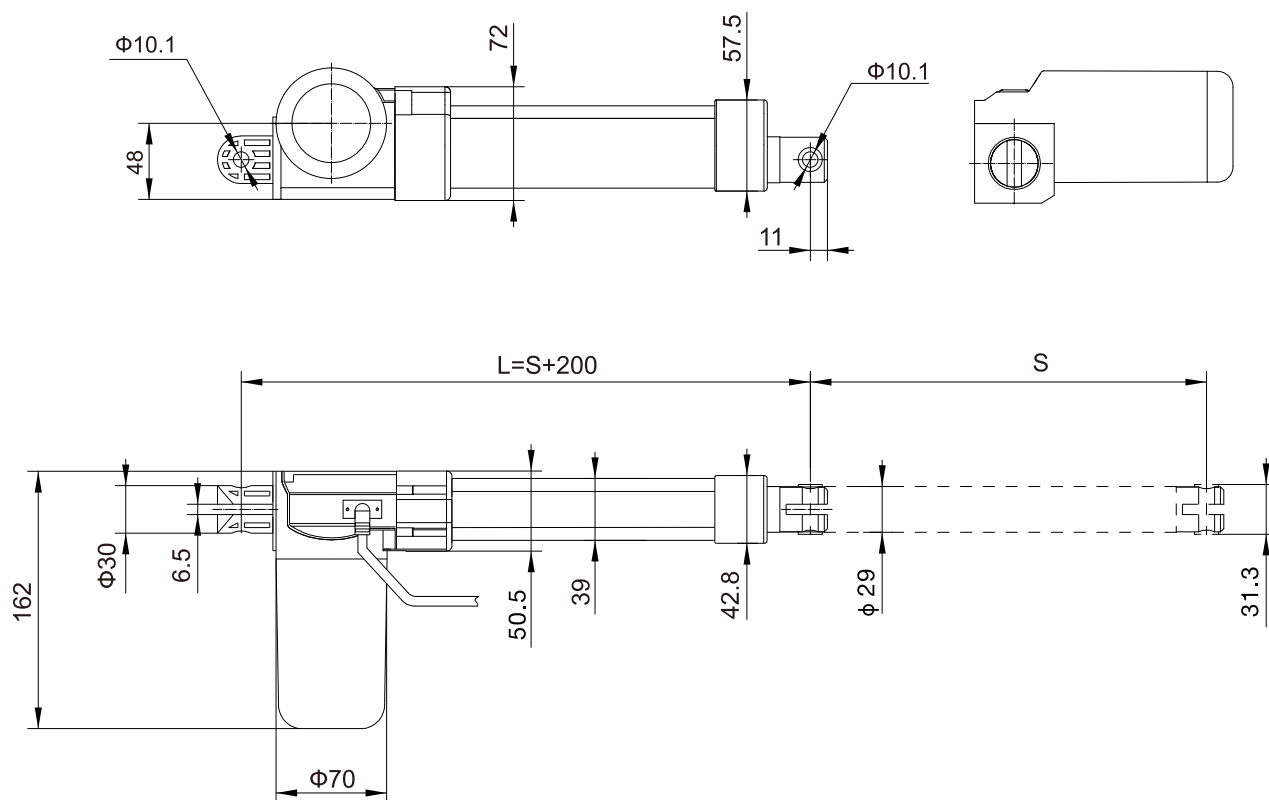
Technical specifications

Spindle pitch (mm)	Max. load push (N)	Max. load pull (N)	Self-lock (N)	Typical speed Unloaded (mm/s)	Typical speed full load (mm/s)	Typical Amp full load (A)
4	6000	4000	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

Comments to table

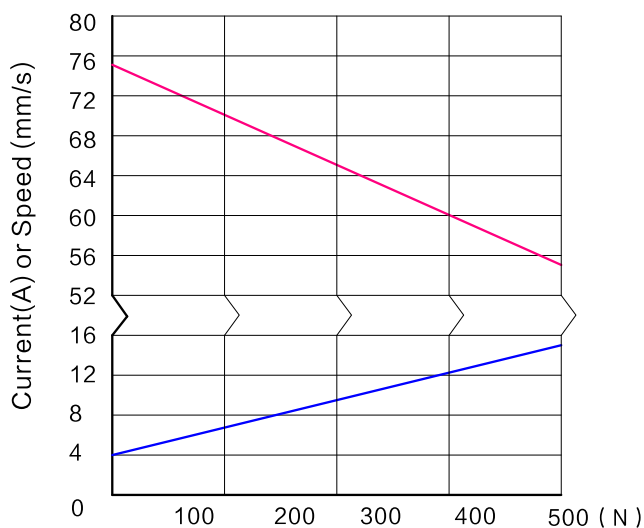
- The above measures are made in connection with 24V DC stabilized voltage supply.
- JIECANG control boxes are designed so that they will short-circuit the motor terminals (poles) of the actuator(s) when the actuator(s) are not running. This solution gives the actuator(s) a higher self-locking ability. If the actuator(s) are not connected to a JIECANG control box, the terminals of the motor must be short-circuited to achieve the 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.

Dimension

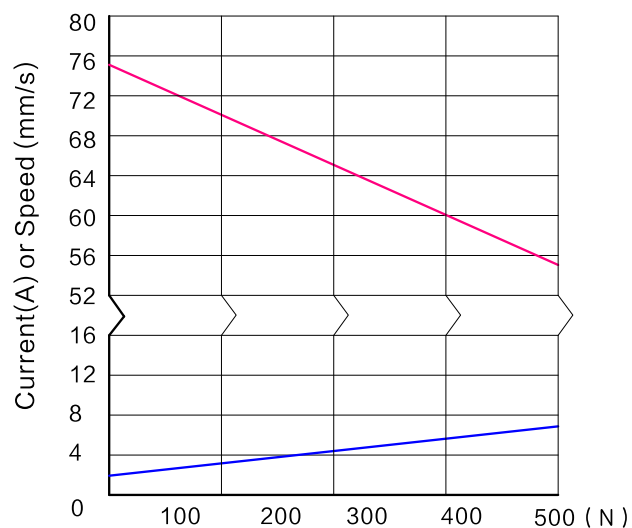


Performance Data

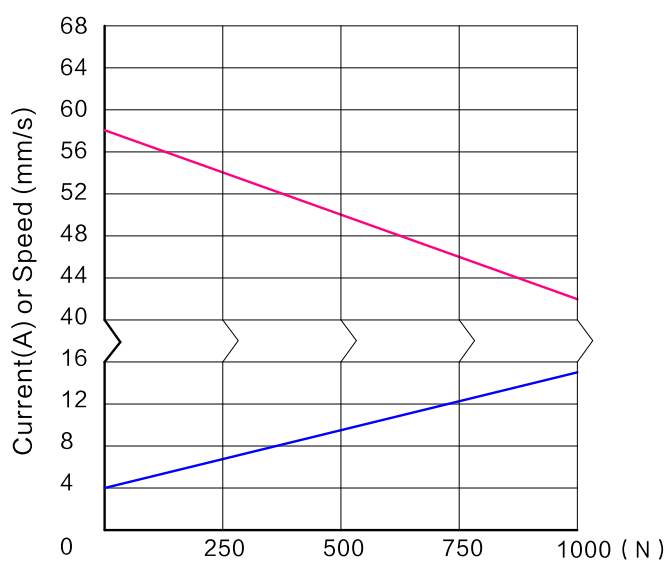
The diagram of relationship between current, speed and load of JC35DNF-500N 12V (standard motor)



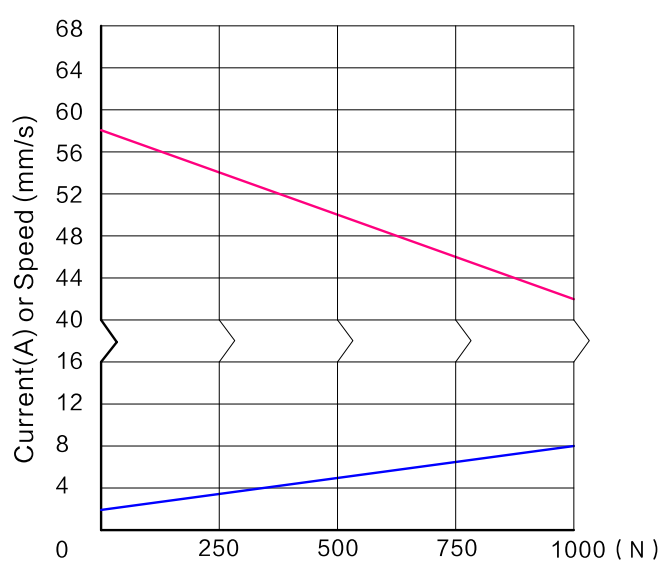
The diagram of relationship between current, speed and load of JC35DNF-500N 24V (standard motor)



The diagram of relationship between current, speed and load of JC35DNF-1000N 12V (standard motor)

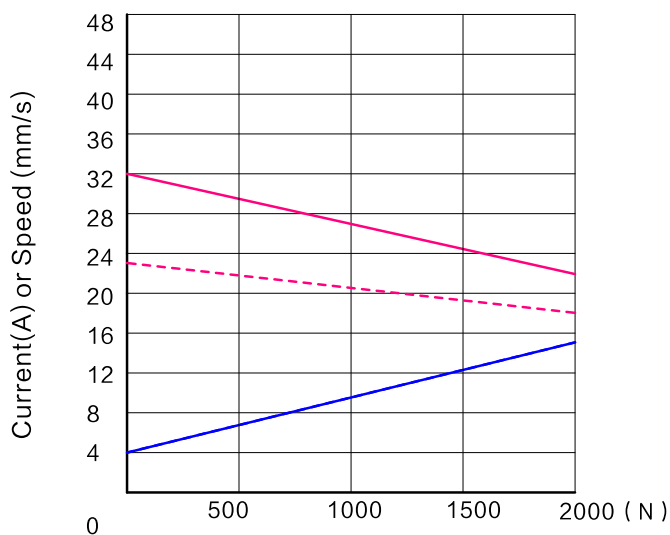


The diagram of relationship between current, speed and load of JC35DNF-1000N 24V (standard motor)

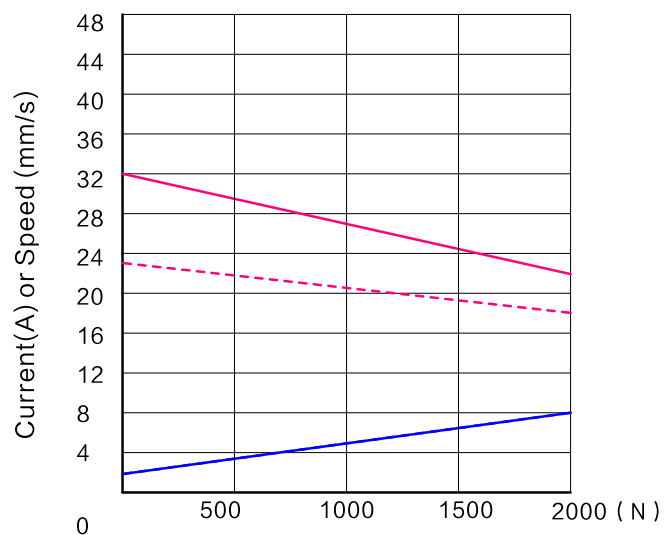


Performance Data

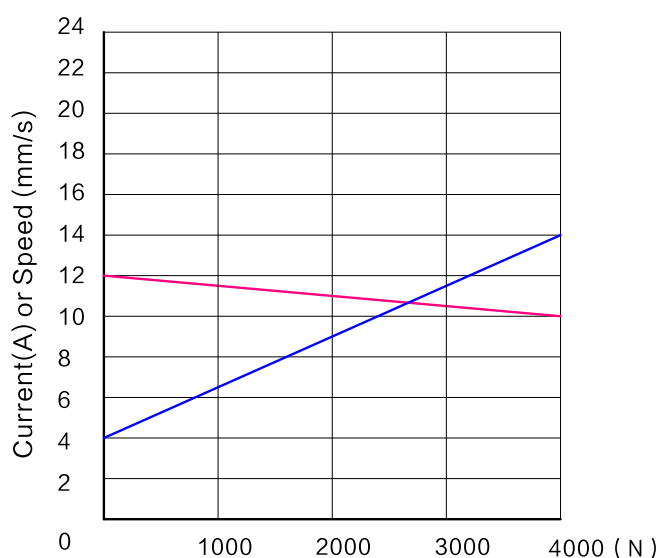
The diagram of relationship between current, speed and load of JC35DNF-2000N 12V (standard motor)



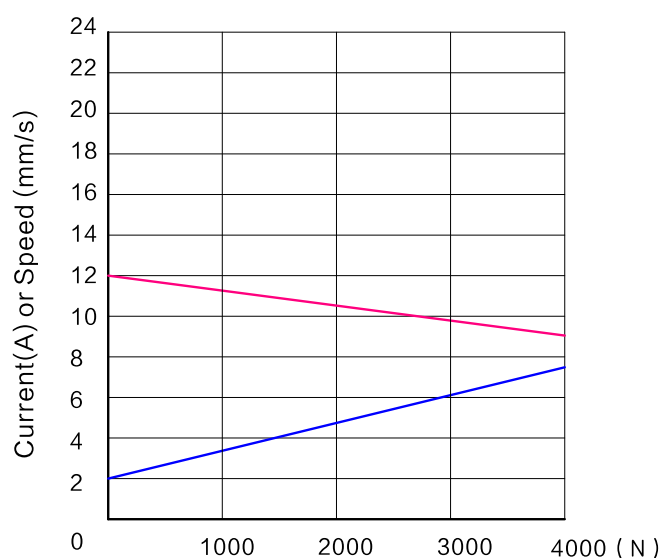
The diagram of relationship between current, speed and load of JC35DNF-2000N 24V (standard motor)



The diagram of relationship between current, speed and load of JC35DNF-4000N 12V (standard motor)

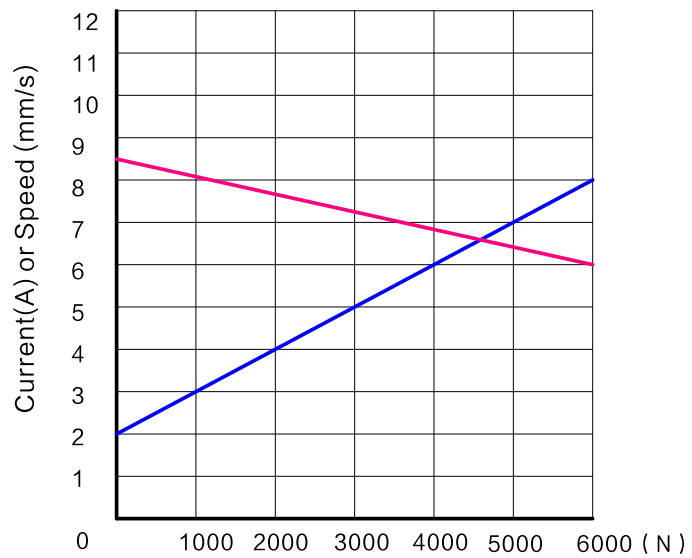


The diagram of relationship between current, speed and load of JC35DNF-4000N 24V (standard motor)



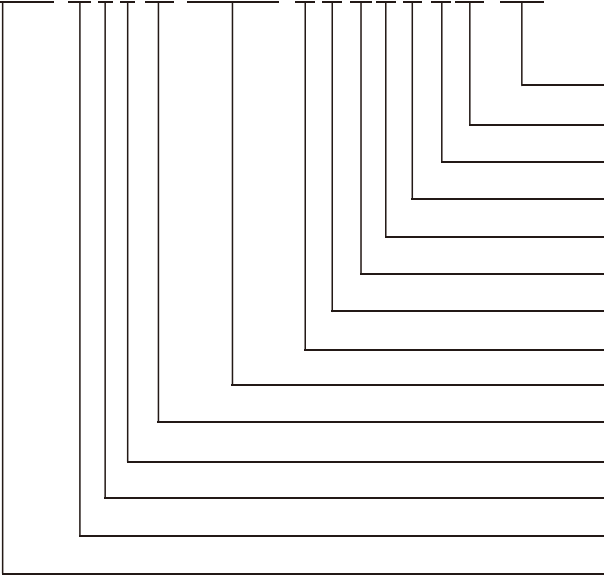
Performance Data

The diagram of relationship between current, speed and load of JC35DNF-6000N 24V (standard motor)



Ordering Key

JC35DNF 0 4 9 24 150/350 H B D Z D 0 02 1D5



Cable length	1D5=1.5M
Plug and cable	
Brake	1=left 2=right
Top clevis	D=Slot 6.5,hole 10.1
End clevis material	Z=Zinc aluminum alloy
End clevis	D=Slot 6.5, hole 10.1
Color	B=Black
Mounting position	H=horizontal V=vertical
Stroke/Retracted length	
Input voltage	24V
Speed at full load	9mm/s
Load capacity	4000N
Optional feature	0 standard
Type	P Anti-pitch option