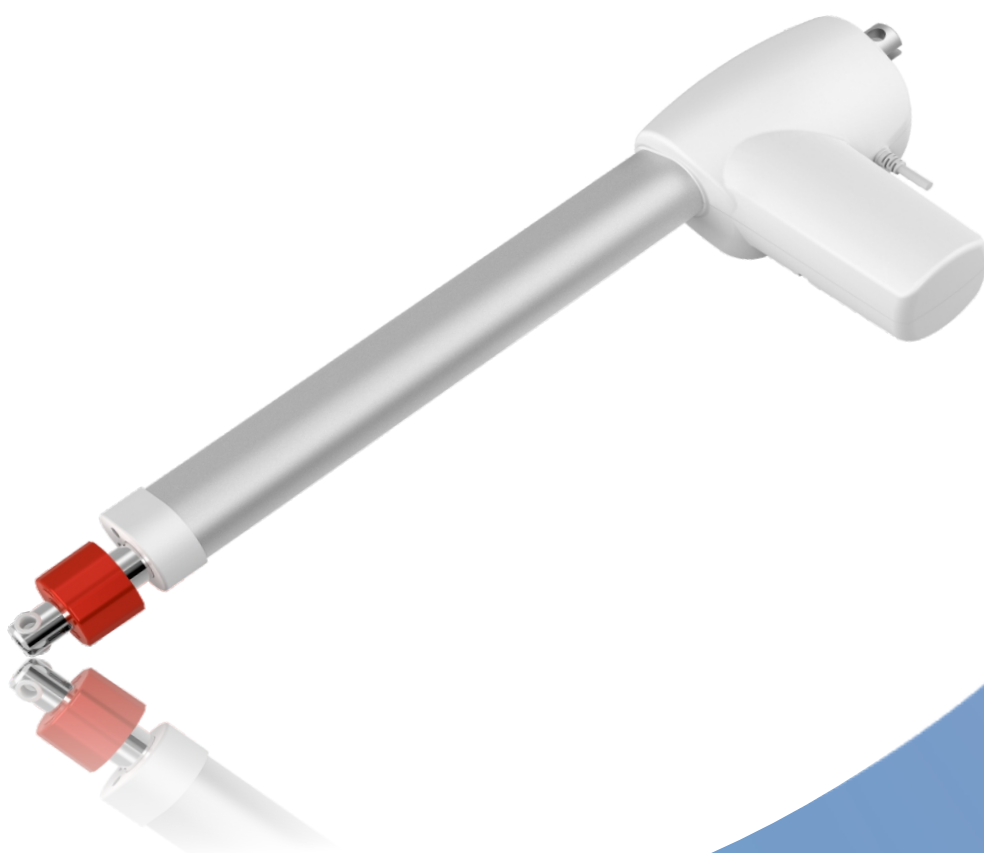


Linear Actuator JC35L11



TECHNOLOGY
DRIVES INTELLIGENT LIFE



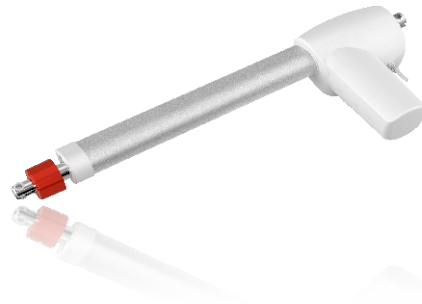
Data sheet

Linear Actuator JC35L11

JC35L11 has a maximum thrust of 12000N and a maximum pull of 6000N, providing a good solution for the patient lift. JC35L11 shows its superior performances in the aspect of high load capacity, excellent IP rating, low noise level as well as some safety features, among which are:

- Brake to increase friction so that strengthen the self-locking ability.
- Safety nut to avoid unintended rapid lowering due to the damage of the nut.
- Electronic limit switches and mechanical limit.
- Manual lowering to ensure nursing carers could lower the actuator when power supplier has been cut or other emergency occurs.

These features make JC35L11 a good choice to be applied in patient lift.



Features

- Load thrust up to 12000N
- Max. load pull 6000N
- Color: Grey /Black
- Manual clevis: Red
- Max IP rating: IPX6 (standard or with manual lowering)
- 24V DC permanent magnet motor
- Stroke length:
 - 0-350mm(± 2 mm) when in push load of 10000N;
 - 0-200mm(± 2 mm) when in push load of 12000N
- Noise level ≤ 50 dB(ambient level ≤ 35 dB)
- Safety nut: necessary
- Electrical limit switches or signal switch: built-in
- Mechanical limit switches: upper limit and end limit
- Certificated by: EN60601-1, UL60601-1

Options

- Built-in hall sensor
- Manual descent in emergency
- Only push

Usage

- Compatible with: JCB35K3 for patient lifter
- Duty cycle: 10%, continuous work for most 2 minutes with a pause of 18 minutes
- Using temperature: 5°C~40°C



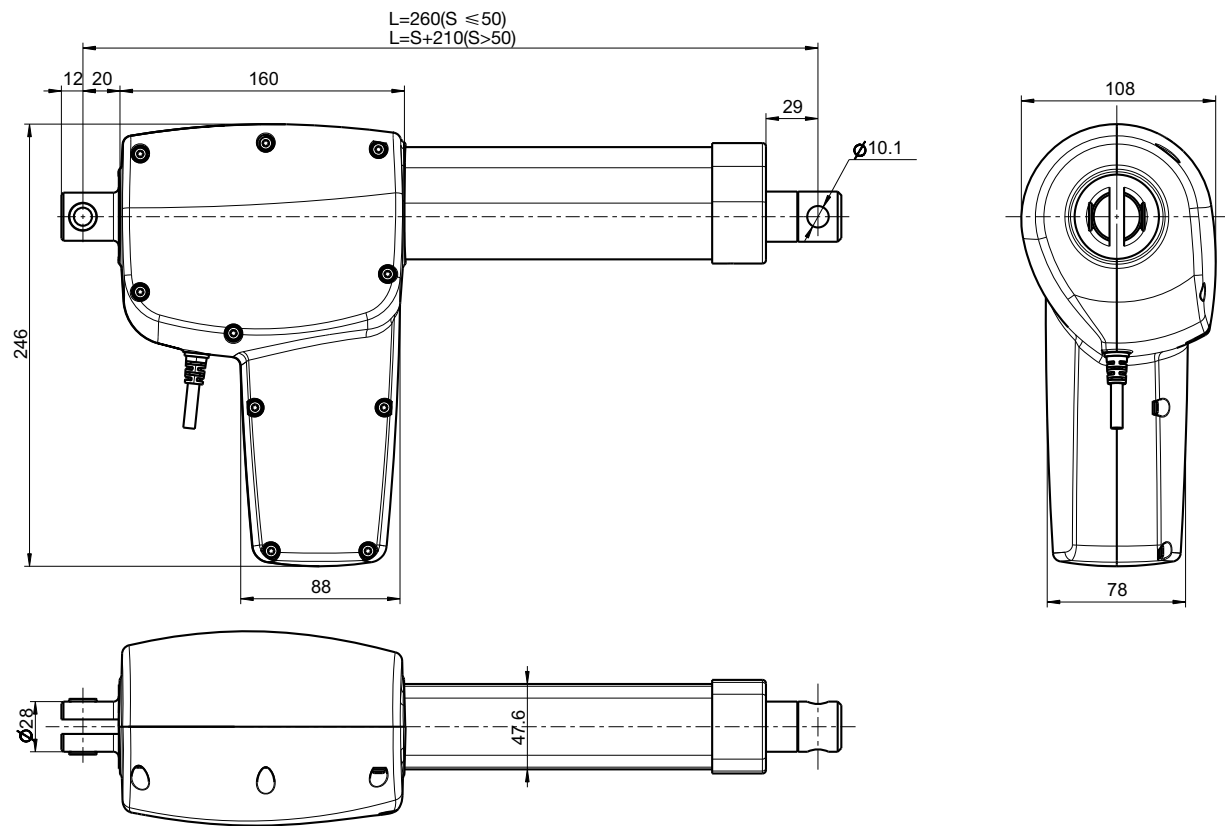
Technical specifications

Power Supply (VDC)	Spindle pitch (mm)	Max. Load Push (N)	Self-Lock Load (N)	Speed at 0/ Full Load (mm/s)	Current at Full Load (A)
24	8	12000	12000	5/3.8	6
JCB35K3 29	8	12000	12000	6/4.5	6
24	10	10000	10000	7/5.0	7
JCB35K3 29	10	10000	10000	8.5/6.0	7

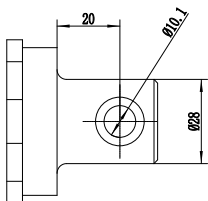
- When the actuators are not running, Jiechang's control boxes could short-circuit the motor terminals (electrodes). Such solutions give actuators higher self-locking load.
- These data above are typical ones.



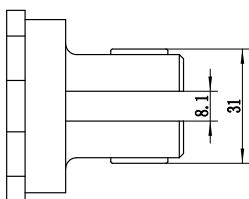
Dimensions with standard top clevis



End Clevis

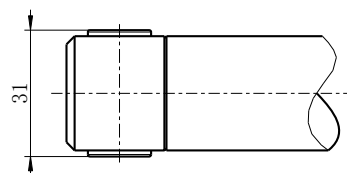
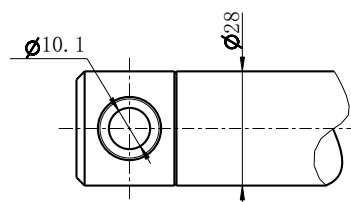


V=vertical 90°



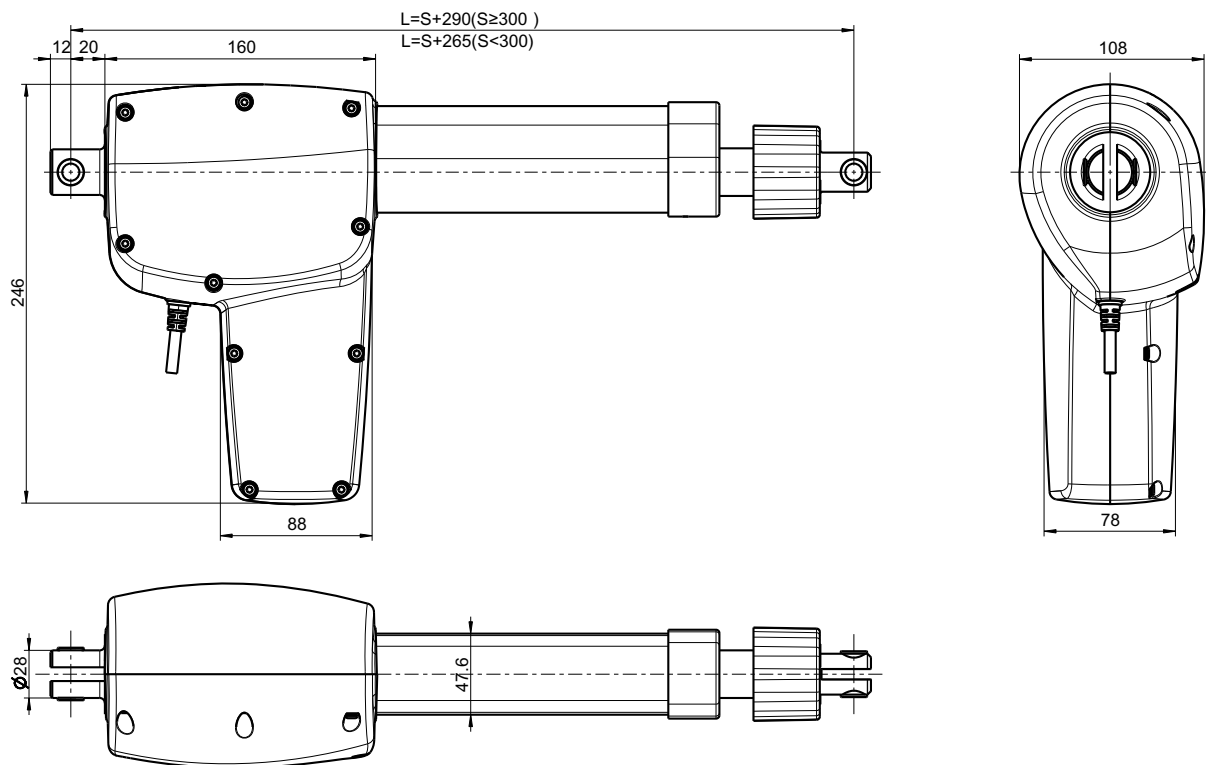
H=horizontal 0°

Top Clevis



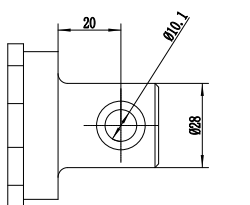
F13=Od 28, no slotting, hole 10.1

Dimensions with manual lowering

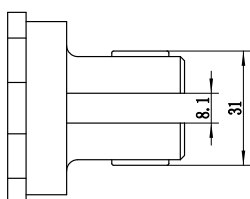


End Clevis

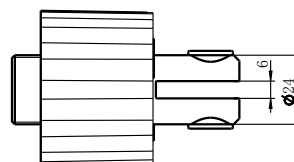
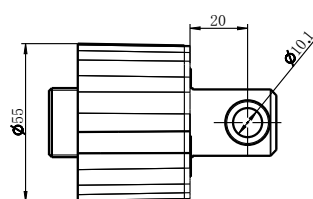
Top Clevis



V=vertical 90°



H=horizontal 0°



28= with slot 6, hole 12.5,
with bushing

Installing Dimensions of 10000N(spindle pitch of 2mm)

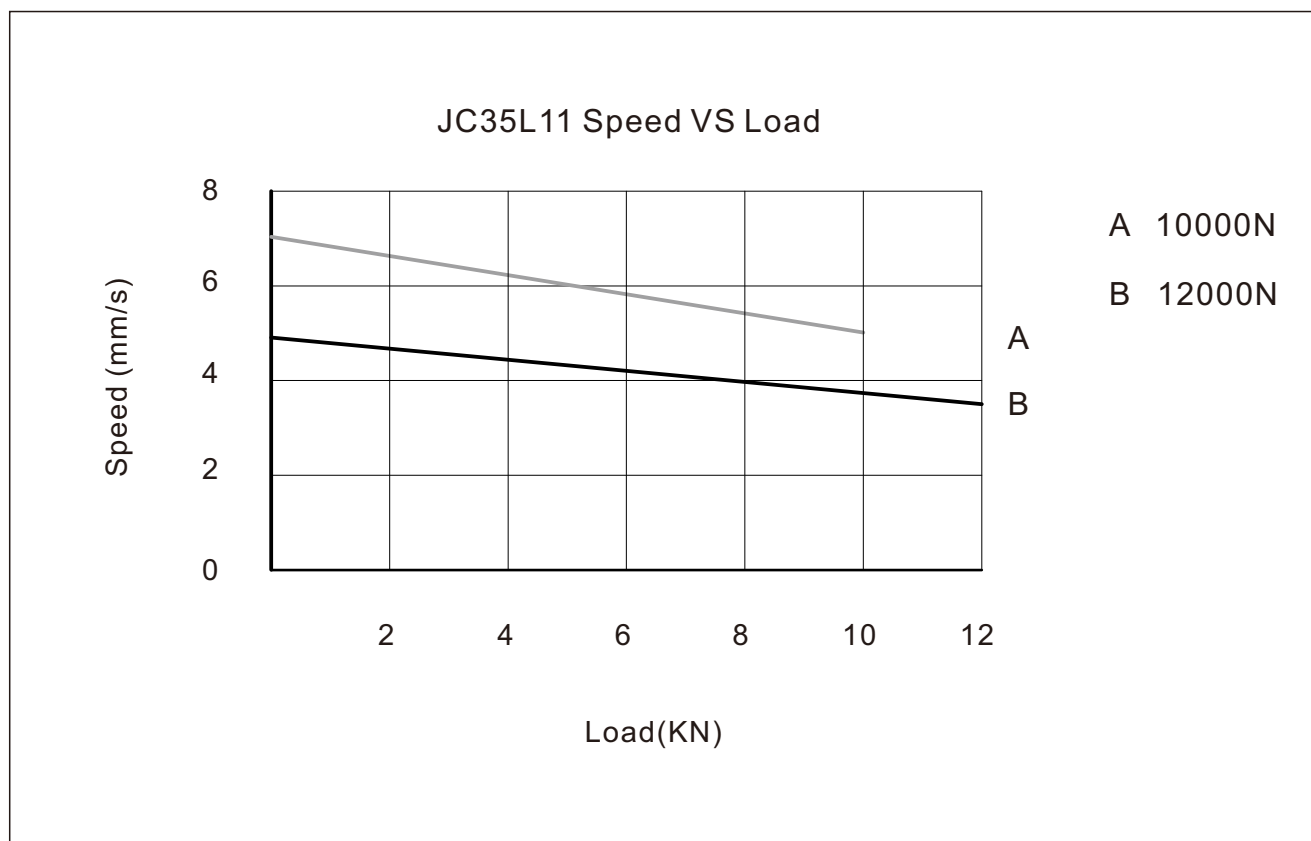
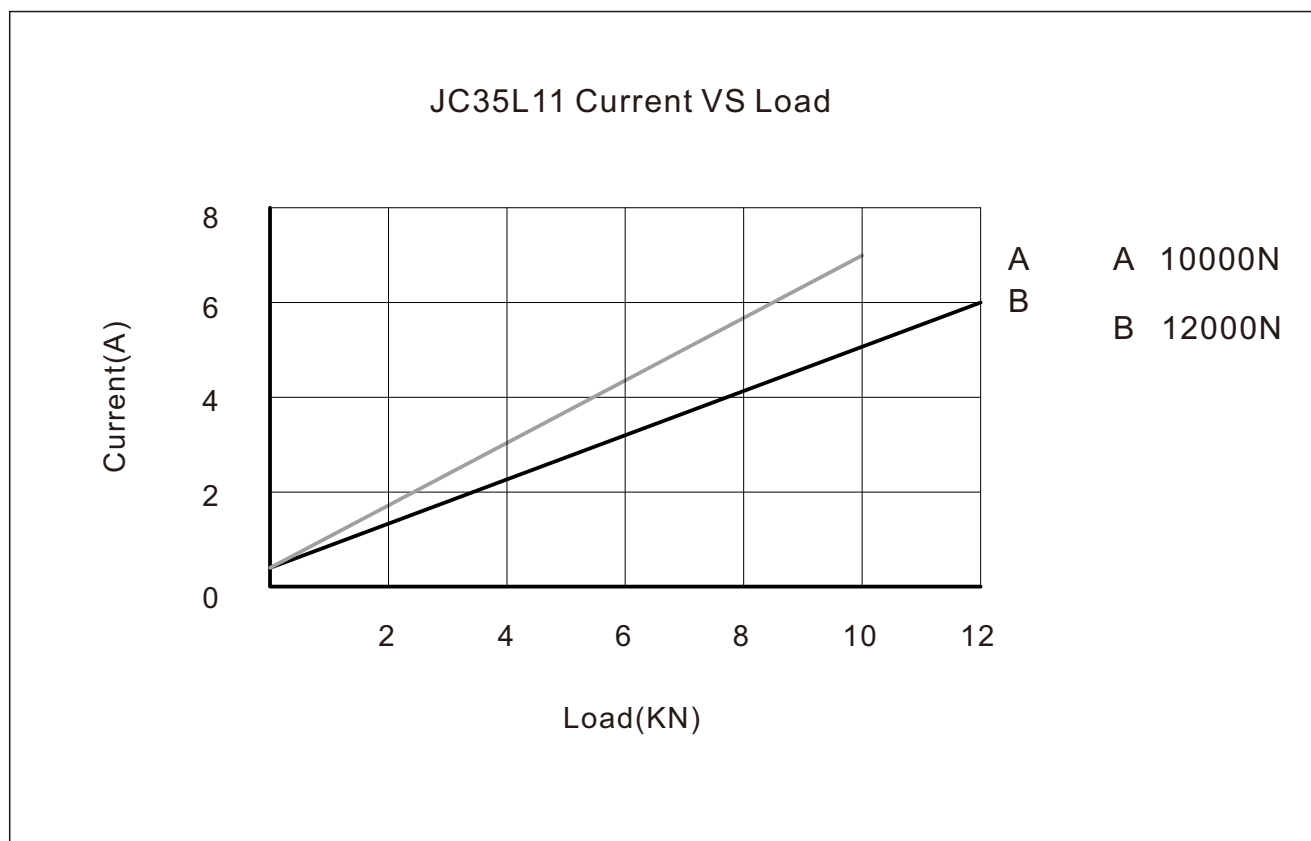
	Stroke Length(S)	Retraced Length
Standard	0-350mm(± 2 mm)	$L=260(S \leq 50)$ $L=S+210(50 < S \leq 350)$
With manual lowering	50-350mm(± 2 mm)	$L=S+265(50 \leq S < 300)$ $L=S+290(300 \leq S \leq 350)$
Safety nut does not matter		

Installing Dimensions of 12000N(spindle pitch of 4mm)

	Stroke Length(S)	Retraced Length
Standard	0-200mm(± 2 mm)	$L=260(S \leq 50)$ $L=S+210(50 < S \leq 200)$
With manual lowering	50-200mm(± 2 mm)	$L=S+265$
Safety nut does not matter		

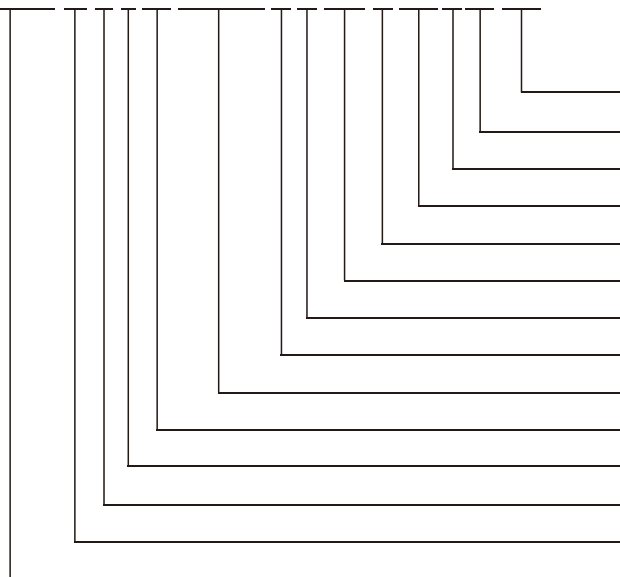


Performance Data (24V DC)



Ordering Key Example

JC35L11 X 10 5 24 300/590 H G B09 G F13 2 89 1D5



Cable length	1D5=1.5m
Plug and cable	
Brake	1=left 2=right
Top clevis	F13=Od 28, no slotting, hole 10.1
End clevis material	G=Cast steel body
End clevis	B09=Slot width 8.1, slot depth 32, hole 12.5
Color	G=Grey
Mounting position	H=horizontal V=vertical
Stroke/Retracted length	
Input voltage	24V
Speed at full load	5mm/s
Load capacity	10000N
Optional feature	0 standard
Type	Y Hall sensor option P Anti-pitch option X=Manual operation+Only push +Safety nut

