JC35N6 Linear Actuator

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

JC35N6 has following specifications: JC35N6-600N; JC35N6-
1200N, It is used in medical rehabilitation equipment and other
industrial occasions. It is characterized by fast speed, low noise,
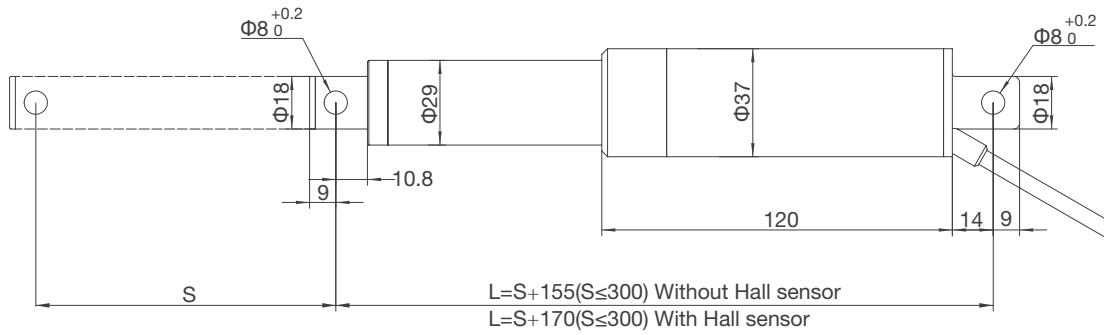small dimensions as well great protection level.
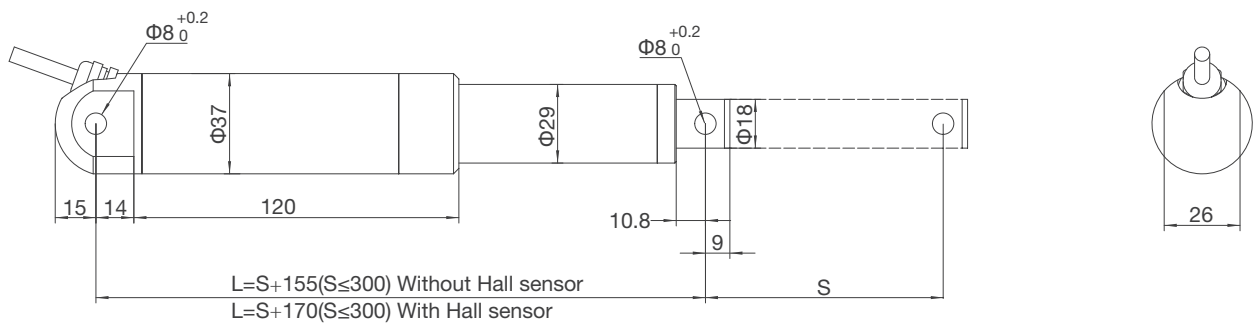
General Features

Load in push (N):	600 | 1200
Load in pull (N):	600 | 1200
Motor rated voltage Input Input (VDC):	24
Installation dimensions:	L = S+155 (S≤300, Without Hall sensor)
	L = S+170 (S≤300, With Hall sensor)
Stroke length (mm):	600N: 0-300mm
	1200N: 0-300mm
Options:	Hall sensor
Colour:	Black (RAL 9005)
Built-in electrical limit switch:	None
Weight:	About 0.7kg
	(different stroke length and installation dimensions with different weight)
Duty cycle:	10%, max. 2min. continuous use
IP grade:	IPX4 / IPX6
Noise leve:	≤58dB (environmental noise≤40dB)
Static bending moment:	Lateral load is not allowed
Flame retardant grade:	UL94-0

Dimension Drawing

IPX4

$$\Phi8^{+0.2}_{0}$$

$$\Phi18$$ $$\Phi29$$ $$\Phi37$$ $$\Phi8^{+0.2}_{0}$$ $$\Phi18$$

9 — 10.8 — 120 — 14 9

S

L=S+155(S≤300) Without Hall sensor
L=S+170(S≤300) With Hall sensor

IPX6

$$\Phi8^{+0.2}_{0}$$ $$\Phi37$$ $$\Phi29$$ $$\Phi8^{+0.2}_{0}$$ $$\Phi18$$

15 14 — 120 — 10.8 — 9 — S — 26

L=S+155(S≤300) Without Hall sensor
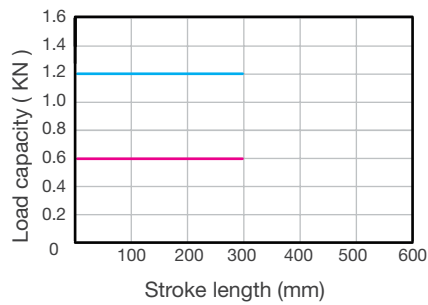L=S+170(S≤300) With Hall sensor

Technical parameters

Input voltage (VDC)	Spindle pitch (mm)	Max.Load capacity (N)	Self locking (N)	Speed no load (mm/s)	Speed full load (mm/s)	Current full load (A)
24	3	600	600	10.5	7.4	1.0
24	3	1200	1200	7	4.5	1.3

Remark: the above data are typical values at 25 "C

Stroke length versus load

Load capacity (KN)

Stroke length (mm)

Characteristic

Typical speed
Min. speed
Typical current
Max. current

600N

24V

Current (A) or Speed (mm/s)

Load capacity (KN)

1200N

24V

Current (A) or Speed (mm/s)
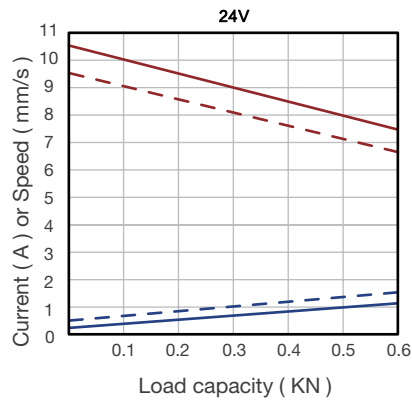
Load capacity (KN)
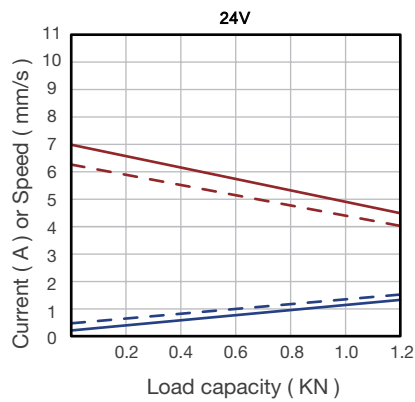
Ordering Key

Take **JC35N600D67D424100/2550BTL220020D5** for example

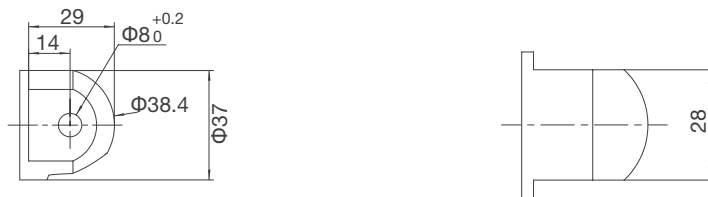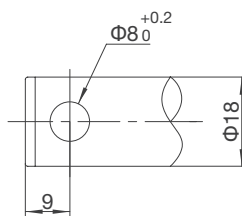| Model	JC35N6	
Optional features	0	0 = Standard / Y = Hall sensor
Load in push	0D6	0D6 = 600N / 1D2 = 1200N
Speed at full load	7D4	7D8 = 7.4mm/s 4D5 = 4.5mm/s
Input voltage	24	24 = 24 VDC
Stroke length/ Installation dimension	100/255	Stroke length = XXX Installation dimension = XXX
Clevis directions	0	0 = Standard
Color	B	B = Black (RAL9005)
End clevis specification	T	T = Without slot Φ8
End clevis material	L	L = Aluminium alloy
Top clevis specification	22	22 = F22: With JC35N6 plastic cover, without slot, with groove Φ8
Brake specification	0	0 = No brake
Type of plug and cable	02	02 = 4-pin DIN plug 21 = 6-pin ET plug
Cable length	0D5	0D5 = 0.5m / 1D5=1.5m

Ordering Details

Dimension drawing of clevis

End clevis: T Standard

$\Phi 8_{\ 0}^{+0.2}$
R2
$\Phi 18$
R2.5
14

End clevis: T Waterproof

29
14
$\Phi 8_{\ 0}^{+0.2}$
$\Phi 38.4$
$\Phi 37$
28

Top clevis: F22
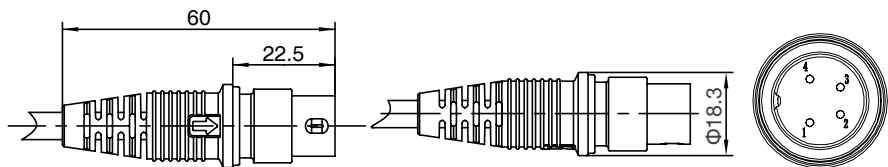
$\Phi 8_{\ 0}^{+0.2}$
$\Phi 18$
9

JIECANG
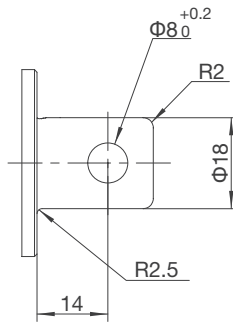
Motor wire

4-pin straight plug (standard)

Matching controller: JCB35Q/
JCB35T/ JCB35R/ JCB35R1/
JCB35S/ JCB35K2

Pin	Color	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 elbow plug

Matching control box :JCB35N/
JCB35H

Pin	Color	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
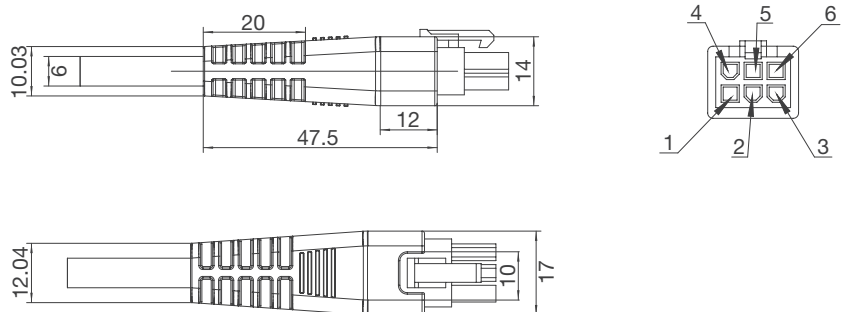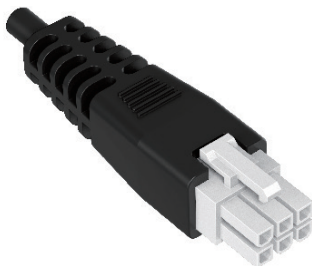
Strictly abiding by medical safety certifications

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

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

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