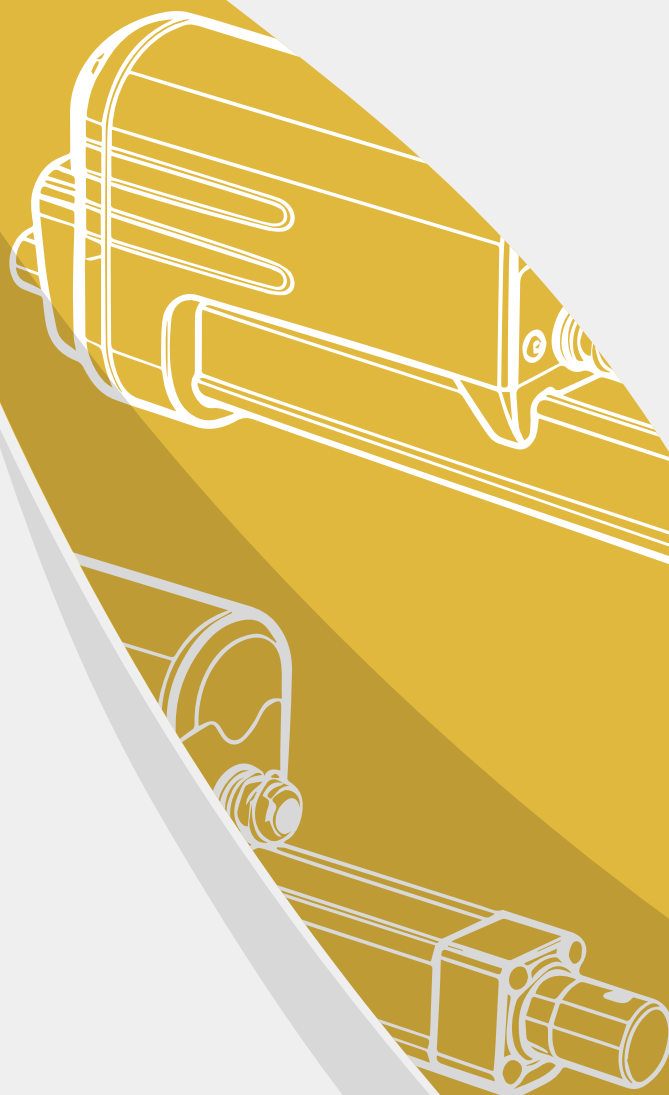
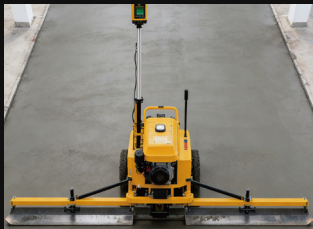


Linear Actuator

Technology drives intelligent life

Lonveda (Shanghai) Linear Drive Co., Ltd.





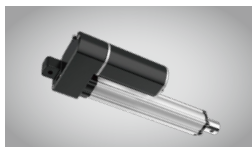
UNIVERSAL LINEAR ACTUATORS

Parallel Motor Type



Max. Dynamic Thrust: 50-16,000N
 No-load Speed: 3-130mm/s
 Stroke: 30-1,000mm
 Input Voltage: 12 / 24 / 36 / 48 / 72VDC

CAN BUS Type



Max. Dynamic Thrust: 500-12,000N
 No-load Speed: 7-35mm/s
 Stroke: 20-1,000mm
 Input Voltage: 12 / 24 / 36 / 48VDC

Telescope Type



Max. Dynamic Thrust: 100-6,000N
 No-load Speed: 3.5-35mm/s
 Stroke: 20-500mm
 Input Voltage: 12 / 24VDC

100% Duty Cycle Type



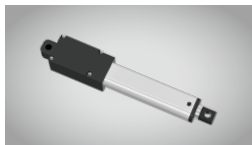
Max. Dynamic Thrust: 5,000-20,000N
 No-load Speed: 19.2-83.3mm/s
 Stroke: 50-1,000mm
 Input Voltage: 220 / 380VAC

Electro-Hydraulic Type



Max. Dynamic Thrust: 8,000N
 No-load Speed: 18mm/s
 Stroke: 50-350mm
 Input Voltage: 12 / 24V / 36 / 48DC

Miniature Type



Max. Dynamic Thrust: 8-400N
 No-load Speed: 4-150mm/s
 Stroke: 20-150mm
 Input Voltage: 12 / 24 VDC

INDUSTRY-SPECIFIC LINEAR ACTUATORS

Healthcare Type



Max. Dynamic Thrust: 500-8,000N
 No-load Speed: 4-28mm/s
 Stroke: 10-800mm
 Input Voltage: 12 / 24VDC

Furniture Type



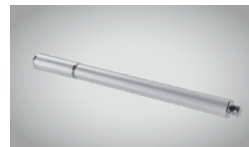
Max. Dynamic Thrust: 500-6,000N
 No-load Speed: 5-28mm/s
 Stroke: 50-800mm
 Input Voltage: 12 / 24 / 29VDC

Livestock Farm Type



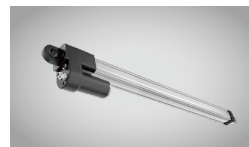
Max. Dynamic Thrust: 5,000N
 No-load Speed: 4.5mm/s
 Stroke: 50-1,200mm
 Input Voltage: 220 / 230VAC

Window Opener Type



Max. Dynamic Thrust: 40-3,000N
 No-load Speed: 4-25mm/s
 Stroke: 5-1,500mm
 Input Voltage: 12 / 24V / 220VDC

Solar Tracker Type



Max. Dynamic Thrust: 35,000-50,000N
 No-load Speed: 0.8-1.7mm/s
 Stroke: 100-1,200mm
 Input Voltage: 24VDC

COMPANY PROFILE

Lonveda is a company primarily engaged in customized electric linear actuators, lifting columns, servo cylinders, and related linear motion products. Since 2000, the company has been deeply involved in the mechatronics field. As a national high-tech enterprise, the company integrates R&D, production, and sales, specializing in LP series electric linear actuators, two-section/three-section lifting columns, and controllers. With complete certifications and reliable quality, it provides customized linear actuator solutions to global manufacturers. Its products are widely used in industrial automation, smart agriculture, photovoltaic and solar thermal, home and medical applications, and are exported to over 50 countries worldwide, enabling rapid response to customers' personalized needs in terms of load, stroke, etc.

The manufacturing base is equipped with advanced automatic winding machines, lead screw processing equipment, CNC machining centers, automatic assembly lines, and other advanced production equipment. All products undergo 100% inspection before leaving the factory. Furthermore, the company boasts a team of engineers with many years of experience in the design and application engineering of motors, lead screws, gears, and motion control.

The company has a production and sales capacity of nearly 400,000 sets per year. It has gained a good reputation for stable quality and has established itself in the market with high-quality products and perfect services, providing solutions for the linear motion execution needs of various industries.



26+

Years Manufacturer

35,000m²

Building Area

5+

Automatic Production Lines

What is an electric linear actuator?

A linear actuator is a device or machine that converts rotational motion into linear motion and linear movement (in a straight line). This can be done through electric AC and DC motors, as we do at Lonveda, or the movement could be powered by hydraulics and pneumatics.

However, electric linear actuators are a preferred option when precise and clean movement is needed. They are used for all types of applications where tilting, lifting, pulling or pushing with force is needed.

How do linear actuators work?

A common type of linear actuator is an electric linear actuator. It is made up of three main components: spindle, motor and gears. The motor can be AC or DC depending on the power needs and other influencing factors.

Once a signal is sent by the operator, which can be through a control as simple as a button, the motor converts the electric energy into mechanical energy, rotating the gears connected to the spindle. This rotates the spindle and causes the spindle nut and piston rod to travel outwards or inwards depending on the signal to the actuator.

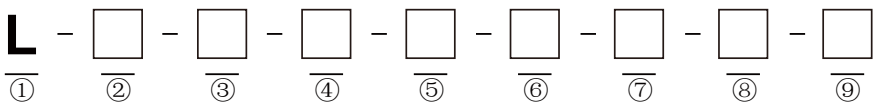
As a rule of thumb, a high thread count and smaller spindle pitch will cause slow movement but a much higher load capacity. On the other hand, a low thread count, and higher spindle pitch, will favor fast movement of lower loads.

What is an electric linear actuator used for?

Electric linear actuators are used in everything from private homes, the offices where we work, all areas of a hospitals, in production in factories, to farming equipment, and many other places. Lonveda electric actuators create adjustment in both desks, kitchens, beds, and couches, as well as hospital beds, patient lifts, surgery tables among others in for example hospitals and medical centers.

Electric linear actuators can also replace hydraulic and pneumatic solutions in industrial and rugged environments – for example those found in agriculture, construction, and in industrial automation equipment.

Product Part Number Naming Rule



① **L:** Lonveda Linear Actuator

② **Linear Actuator Type:**

P-Parallel Motor Type

T-Telescope Type

E-Electro-Hydraulic Type

H-Healthcare Type

L-Livestock Farm Type

S-Solar Tracker Type

C-CAN BUS Type

D-100% Duty Cycle Type

M-Miniature Type

F-Furniture Type

W-Window Opener Type

③ **Size Code:** 11-999

④ **Voltage:**

12: 12V

24: 24V

36: 36V

48: 48V

⑤ **Full Load Thrust:**

50: 50N

500: 500N

⑥ **Stroke:**

50: 50mm

500: 500mm

⑦ **Front And Rear End Connectors:**

See customization options for specific models

⑧ **Signal Feedback:**

Blank: None

P: Potentiometer

H: Hall sensor

⑨ **Motor Type:**

BLANK: Brushed DC Motor

HB: Hybrid Stepper Motor

BL: Brushless DC Motor

AS: Servo Motor

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LP SERIES

PARALLEL MOTOR TYPE LINEAR ACTUATOR

LP series-parallel motor type linear actuator is mainly suitable for industrial, with strong corrosion resistance, high sealing and water resistance, and can be used in harsh environment for a long time.

LP11 PARALLEL MOTOR TYPE

Max. Dynamic Thrust: 1,200N

No-load Speed: 5.5-80mm/s

Stroke: 50-600mm

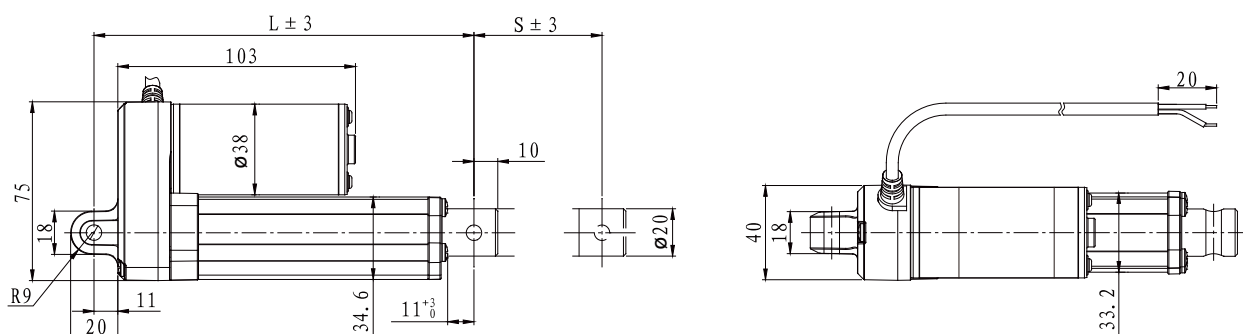
Input Voltage: 12 / 24 / 36 / 48VDC



TECHNICAL PARAMETERS

Transmission Code		A	B	C	D	E	F	G	H	I	J	K	L
Max Dynamic Thrust	N	1,200	1,000	800	700	600	500	450	400	250	200	100	50
Self-locking Thrust	N	1,700	1,500	1,200	1,000	900	800	700	600	400	300	150	100
No-load Speed	mm/s	5.5	7.2	8.5	11.5	10.5	16.5	13.0	17.0	25.0	40.0	60.0	80.0
Full Load Speed	mm/s	4.0	5.0	6.5	8.5	7.0	12.0	10.0	13.5	20.0	22.0	45.0	65.0
Input Voltage	VDC	12 / 24 / 36 / 48											
Standard Stroke	mm	50 to 600											
Ambient Temperature	°C	-40 to 65											
Noise	dB	≤65											
Color		Black or gray											
Limit Switch		Built-in											
IP Rating		IP66											
Duty Cycle		25% (2 minutes of continuous work, 6 minutes of rest)											
Signal Feedback		None or potentiometer											

OUTLINE DRAWING



Stroke	Installation Distance
S(mm)	L(mm)
50-300	105+S
301-500	120+S
501-600	130+S

Note: This outline drawing is the actuator without POT version. If needed, please contact us for the drawing of actuator with POT.

LP21 PARALLEL MOTOR TYPE

Max. Dynamic Thrust: 2,000N

No-load Speed: 6-15mm/s

Stroke: 50-600mm

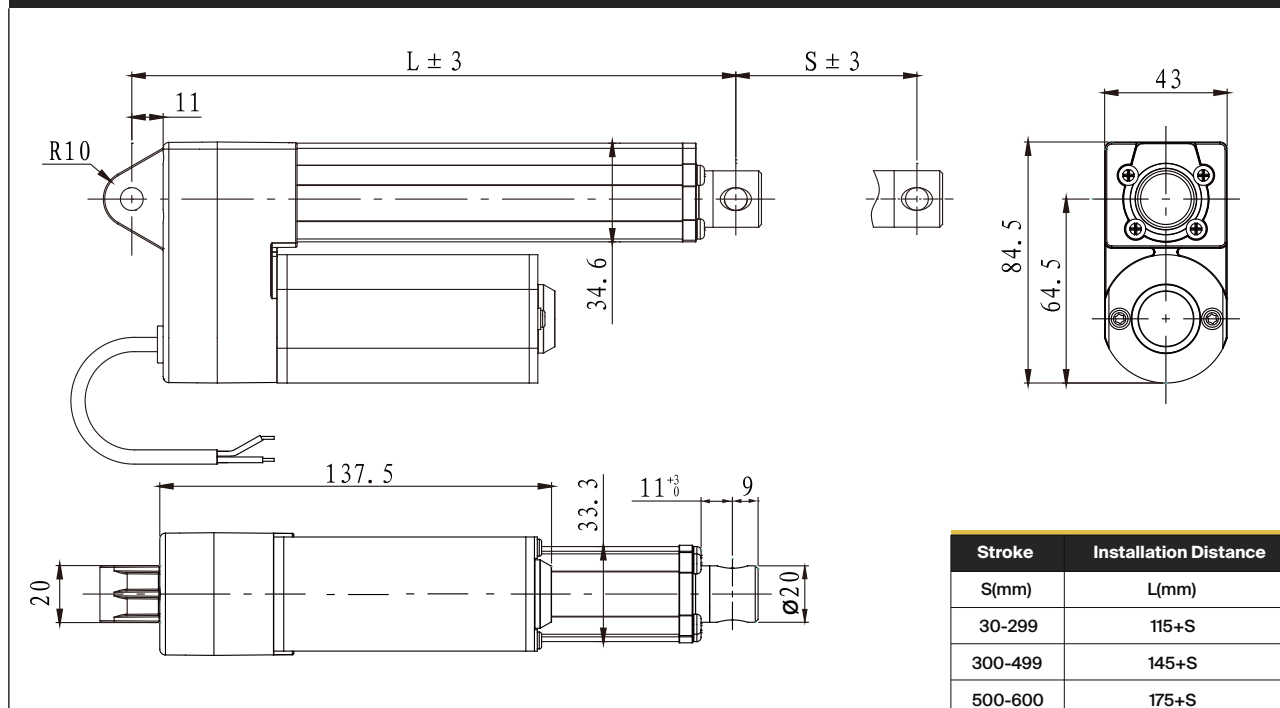
Input Voltage: 12 / 24 / 36 / 48VDC



TECHNICAL PARAMETERS

Transmission Code		A	B	C
Max Dynamic Thrust	N	2,000	1,500	1,000
Self-locking Thrust	N	3,000	2,500	1,500
No-load Speed	mm/s	6.0	10.0	15.0
Full Load Speed	mm/s	5.0	7.0	11.0
Input Voltage	VDC	12 / 24 / 36 / 48		
Standard Stroke	mm	50 to 600		
Ambient Temperature	°C	-40 to 65		
Noise	dB	≤45		
Color		Gray		
Limit Switch		Built-in		
IP Rating		IP66		
Duty Cycle		20% (2 minutes of continuous work, 8 minutes of rest)		
Signal Feedback		None or hall		

OUTLINE DRAWING



LP22 PARALLEL MOTOR TYPE

Max. Dynamic Thrust: 2,000N

No-load Speed: 5-55mm/s

Stroke: 30-1,000mm

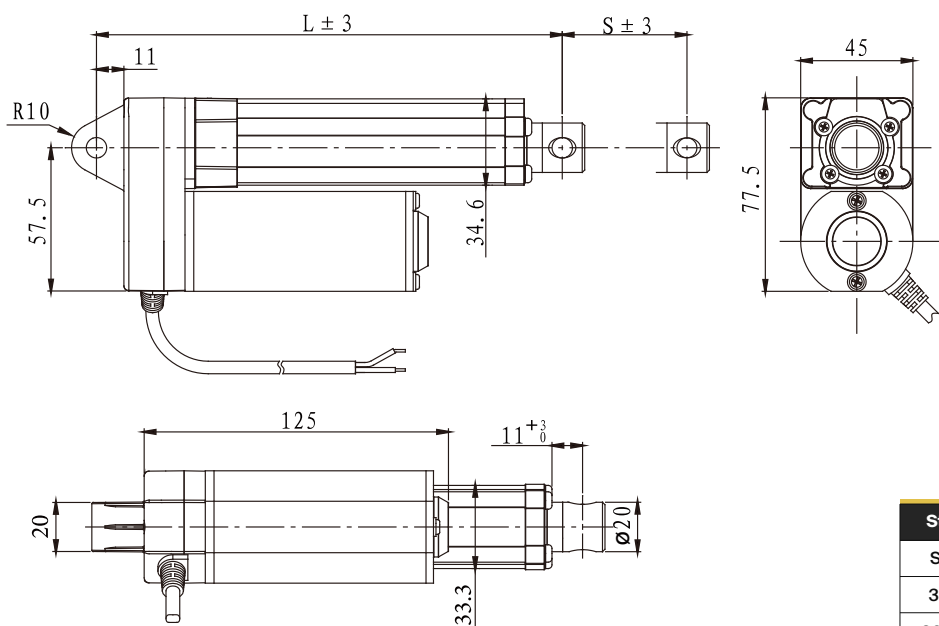
Input Voltage: 12 / 24 / 36 / 48VDC



TECHNICAL PARAMETERS

Transmission Code		A	B	C	D	E	F	G	H	I
Max Dynamic Thrust	N	2,000	1,600	1,200	800	700	600	400	300	200
Self-locking Thrust	N	3,000	2,200	1,600	1,100	900	800	600	400	300
No-load Speed	mm/s	5.0	7.0	10.0	10.5	20.0	15.0	30.0	40.0	55.0
Full Load Speed	mm/s	4.0	5.5	8.0	8.0	14.0	11.0	22.0	30.0	45.0
Input Voltage	VDC	12 / 24 / 36 / 48								
Standard Stroke	mm	30 to 1,000								
Ambient Temperature	°C	-40 to 65								
Noise	dB	≤65								
Color		Gray								
Limit Switch		Built-in								
IP Rating		IP66								
Duty Cycle		25% (2 minutes of continuous work, 6 minutes of rest)								
Signal Feedback		None or hall or potentiometer								

OUTLINE DRAWING



Note: This outline drawing is the actuator without POT version. If needed, please contact us for the drawing of actuator with POT.

Stroke	Installation Distance
S(mm)	L(mm)
30-299	108+S
300-399	120+S
400-1,000	130+S

LP31 PARALLEL MOTOR TYPE

Max. Dynamic Thrust: 3,000N

No-load Speed: 3-12mm/s

Stroke: 50-800mm

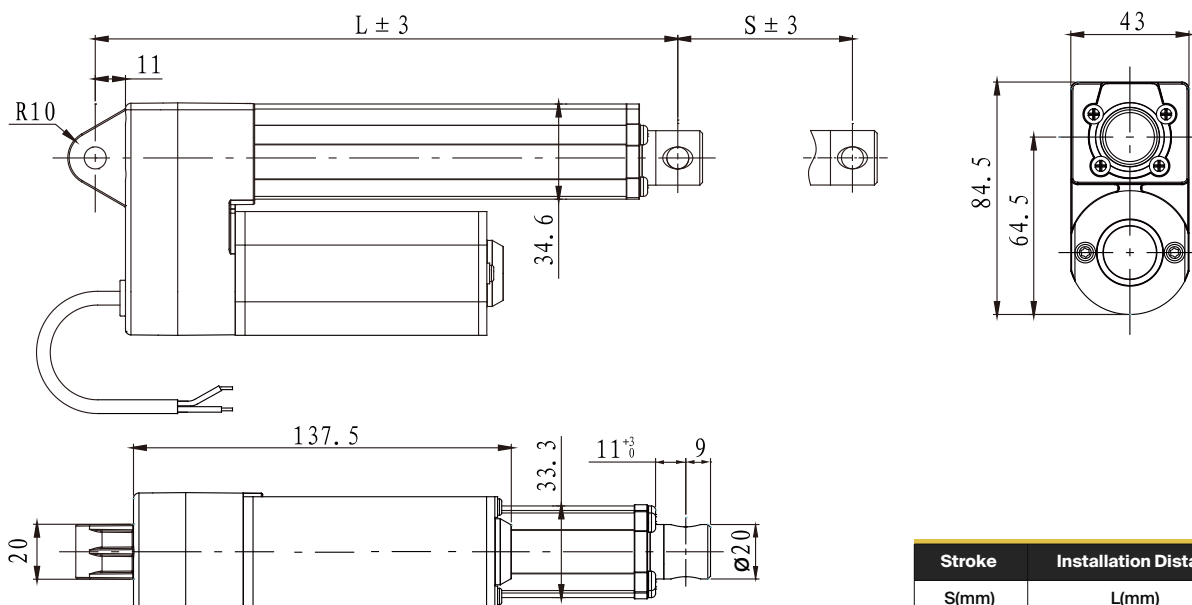
Input Voltage: 12 / 24VDC



TECHNICAL PARAMETERS

Transmission Code		A	B	C	D	E
Max Dynamic Thrust	N	3,000	2,500	2,000	1,200	1,000
Self-locking Thrust	N	3,000	2,500	2,000	1,200	1,000
No-load Speed	mm/s	3.0	5.0	6.0	10.0	12.0
Full Load Speed	mm/s	2.0	4.0	5.0	8.0	9.0
Input Voltage	VDC	12 / 24				
Standard Stroke	mm	50 to 800				
Ambient Temperature	°C	-10 to 65				
Noise	dB	≤45				
Color		Gray				
Limit Switch		Built-in				
IP Rating		IP66				
Duty Cycle		10% (2 minutes of continuous work, 18 minutes of rest)				
Signal Feedback		None or hall				

OUTLINE DRAWING



Stroke	Installation Distance
S(mm)	L(mm)
50-299	125+S
300-800	145+S

LP41 PARALLEL MOTOR TYPE

Max. Dynamic Thrust: 4,000N

No-load Speed: 5.5-35mm/s

Stroke: 50-1,000mm

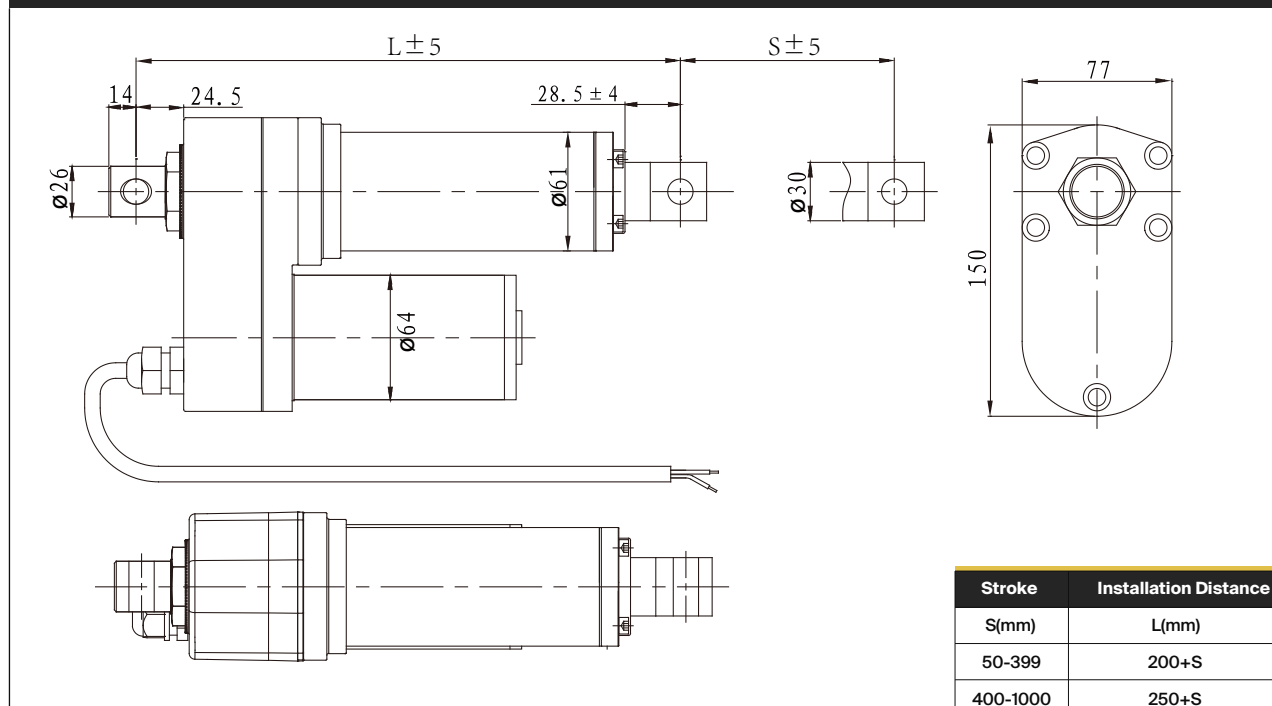
Input Voltage: 12 / 24 / 36 / 48VDC



TECHNICAL PARAMETERS

Transmission Code		A	B	C	D	E	F
Max Dynamic Thrust	N	4,000	3,500	3,000	2,500	2,000	1,000
Self-locking Thrust	N	5,000	5,000	4,000	3,500	2,500	2,000
No-load Speed	mm/s	5.5	8.5	11.0	17.0	22.0	35.0
Full Load Speed	mm/s	4.0	7.0	9.5	14.0	18.0	28.5
Input Voltage	VDC	12 / 24					
Standard Stroke	mm	50 to 1,000					
Ambient Temperature	°C	-40 to 65					
Noise	dB	≤65					
Color		Black					
Limit Switch		Built-in					
IP Rating		IP65					
Duty Cycle		25% (2 minutes of continuous work, 6 minutes of rest)					
Signal Feedback		None or hall					

OUTLINE DRAWING



LP51 PARALLEL MOTOR TYPE

Max. Dynamic Thrust: 5,000N

No-load Speed: 5-50mm/s

Stroke: 50-600mm

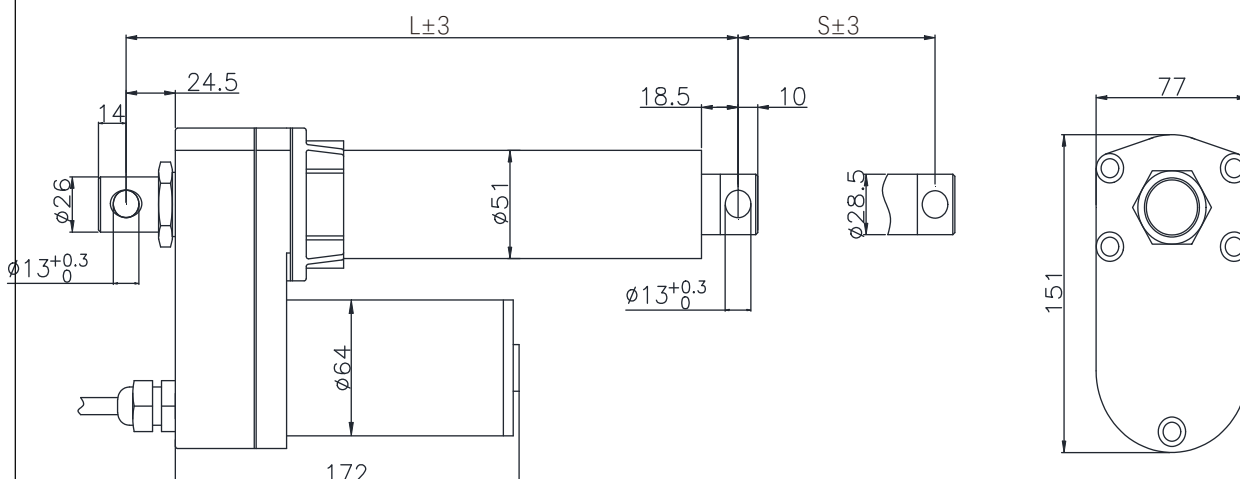
Input Voltage: 12 / 24 / 36 / 48VDC



TECHNICAL PARAMETERS

Transmission Code		A	B	C	D	E
Max Dynamic Thrust	N	5,000	4,000	3,000	2,000	1,000
Self-locking Thrust	N	6,000	5,000	4,000	3,000	2,000
No-load Speed	mm/s	5.0	8.5	17.0	24.0	50.0
Full Load Speed	mm/s	4.0	7.0	13.0	17.0	36.0
Input Voltage	VDC	12 / 24 / 36 / 48				
Standard Stroke	mm	50 to 600				
Ambient Temperature	°C	-40 to 65				
Noise	dB	≤60				
Color		Black				
Limit Switch		Built-in clutch				
IP Rating		IP65				
Duty Cycle		20% (2 minutes of continuous work, 8 minutes of rest)				
Signal Feedback		None or hall				

OUTLINE DRAWING



Stroke	Installation Distance
S(mm)	L(mm)
50-300	160+S
301-600	200+S

LP71 PARALLEL MOTOR TYPE

Max. Dynamic Thrust: 7,000N

No-load Speed: 5.5-35mm/s

Stroke: 50-1,000mm

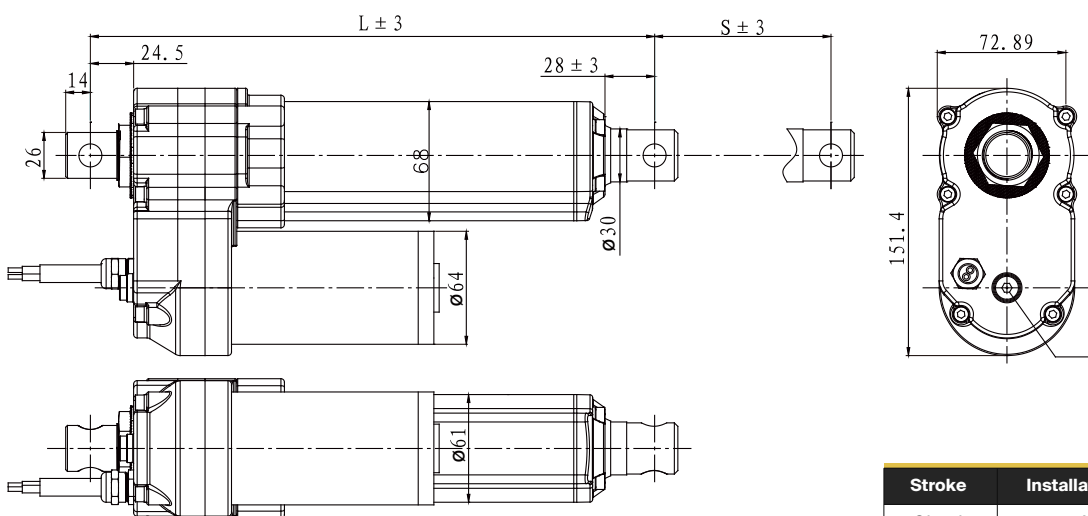
Input Voltage: 12 / 24 / 36 / 48VDC



TECHNICAL PARAMETERS

Transmission Code		A	B	C	D	E
Max Dynamic Thrust	N	7,000	5,000	4,000	3,000	2,000
Self-locking Thrust	N	10,000	8,000	7,000	5,000	4,000
No-load Speed	mm/s	5.5	11.0	17.0	22.0	35.0
Full Load Speed	mm/s	4.0	9.5	14.0	18.0	28.5
Input Voltage	VDC	12 / 24 / 36 / 48				
Standard Stroke	mm	50 to 1,000				
Ambient Temperature	°C	-40 to 65				
Noise	dB	≤65				
Color		Black or gray				
Limit Switch		Built-in				
IP Rating		IP65				
Duty Cycle		25% (2 minutes of continuous work, 6 minutes of rest)				
Signal Feedback		None or hall				

OUTLINE DRAWING



Stroke	Installation Distance
S(mm)	L(mm)
50-299	200+S
300-599	250+S
600-1,000	300+S

LP81 PARALLEL MOTOR TYPE

Max. Dynamic Thrust: 8,000N

No-load Speed: 7-30mm/s

Stroke: 50-600mm

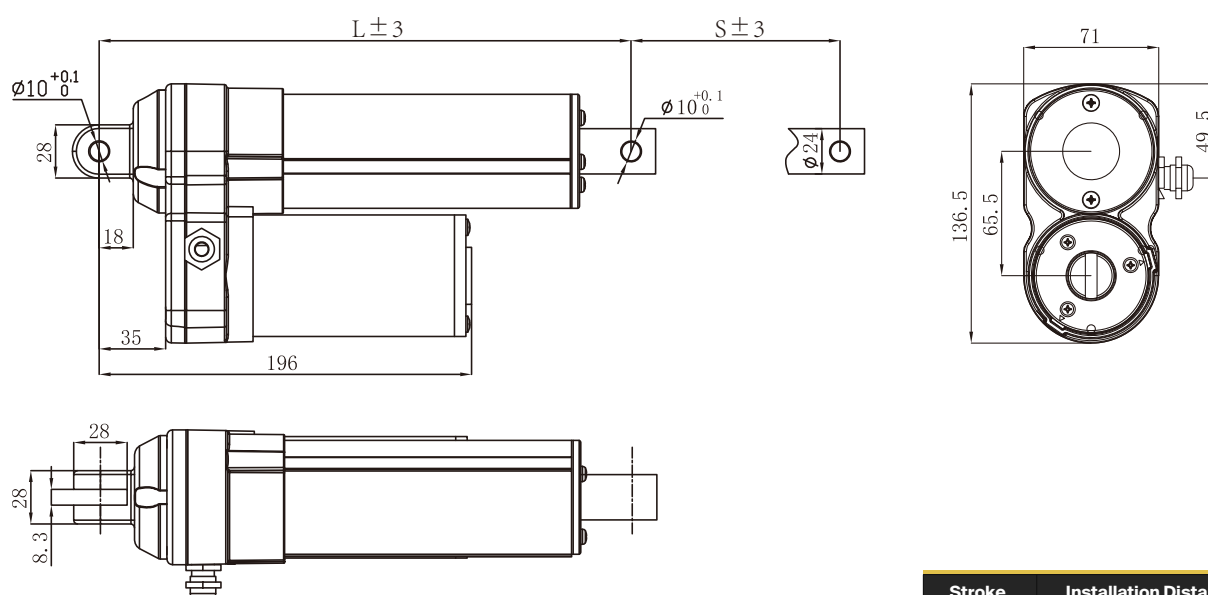
Input Voltage: 12 / 24 / 36 / 48 / 72VDC



TECHNICAL PARAMETERS

Transmission Code		A	B	C	D	E
Max Dynamic Thrust	N	8,000	6,000	5,000	3,000	2,000
Self-locking Thrust	N	8,000	6,500	5,000	2,000	1,000
No-load Speed	mm/s	7.0	10.0	12.0	20.0	30.0
Full Load Speed	mm/s	5.0	6.5	8.0	13.0	18.0
Input Voltage	VDC	12 / 24 / 36 / 48 / 72				
Standard Stroke	mm	50 to 600				
Ambient Temperature	°C	-15 to 45				
Noise	dB	≤65				
Color		Black or gray				
Limit Switch		Built-in				
IP Rating		IP67				
Duty Cycle		10% (2 minutes of continuous work, 18 minutes of rest)				
Signal Feedback		None or hall				

OUTLINE DRAWING



Stroke	Installation Distance
S(mm)	L(mm)
50-600	165+S

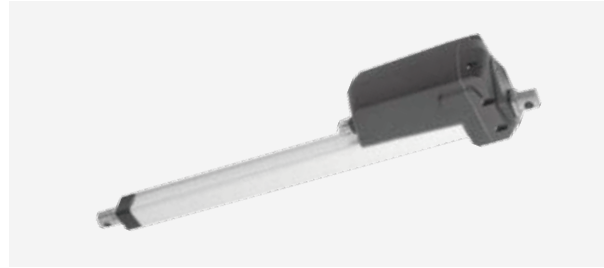
LP121 PARALLEL MOTOR TYPE

Max. Dynamic Thrust: 12,000N

No-load Speed: 6-37mm/s

Stroke: 50-1,000mm

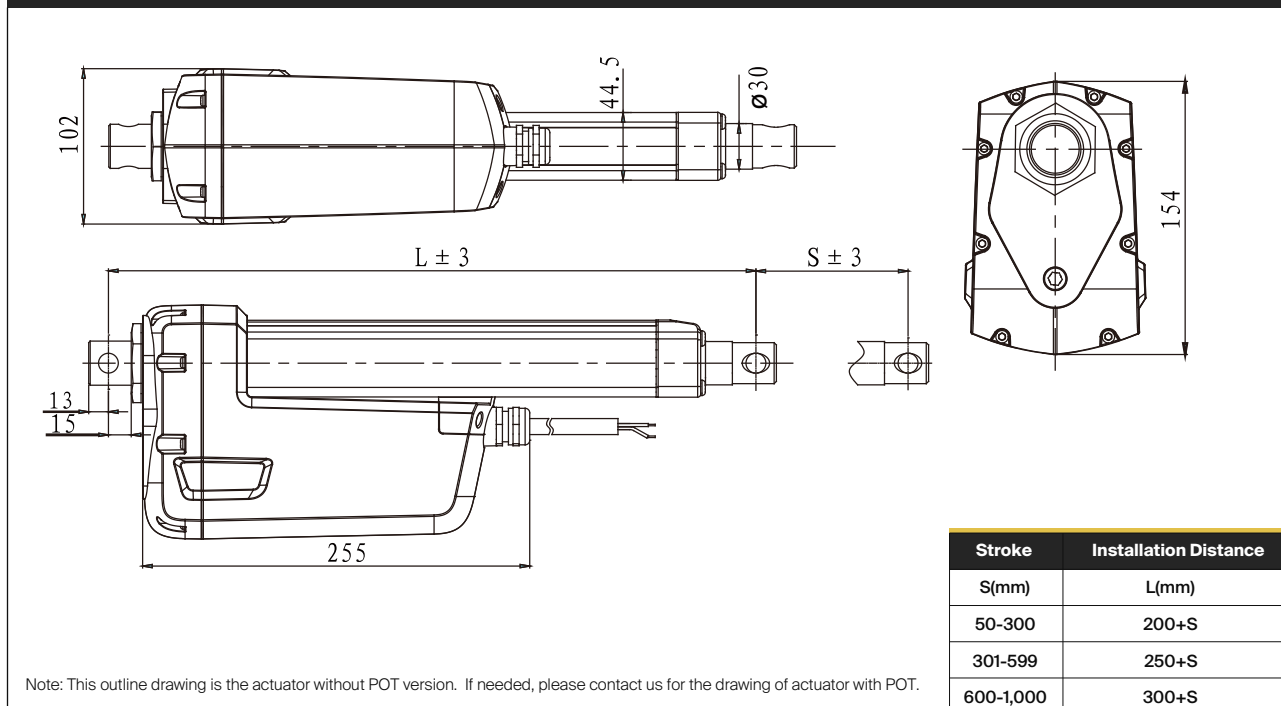
Input Voltage: 12 / 24 / 36 / 48VDC



TECHNICAL PARAMETERS

Transmission Code		A	B	C	D	E	F	G	H	I
Max Dynamic Thrust	N	12,000	11,000	10,000	7,500	7,000	6,500	5,000	4,500	3,200
Self-locking Thrust	N	15,000	12,000	12,000	9,000	8,000	8,000	6,000	5,500	4,000
No-load Speed	mm/s	6.0	8.0	12.0	12.0	17.0	18.5	25.0	25.0	37.0
Full Load Speed	mm/s	4.0	5.2	7.0	8.0	9.5	11.0	13.0	14.0	23.0
Input Voltage	VDC	12 / 24 / 36 / 48								
Standard Stroke	mm	50 to 1,000								
Ambient Temperature	°C	-40 to 65								
Noise	dB	≤65								
Color		Gray								
Limit Switch		Built-in								
IP Rating		IP66								
Duty Cycle		25% (2 minutes of continuous work, 6 minutes of rest)								
Signal Feedback		None or hall or potentiometer								

OUTLINE DRAWING



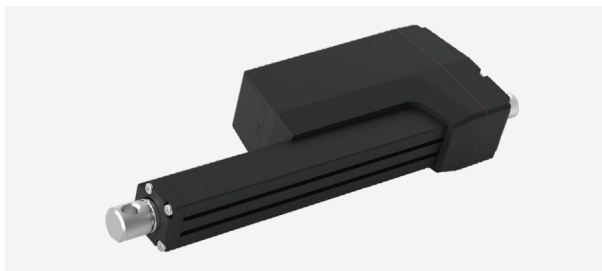
LP161 PARALLEL MOTOR TYPE

Max. Dynamic Thrust: 16,000N

No-load Speed: 5-130mm/s

Stroke: 50-900mm

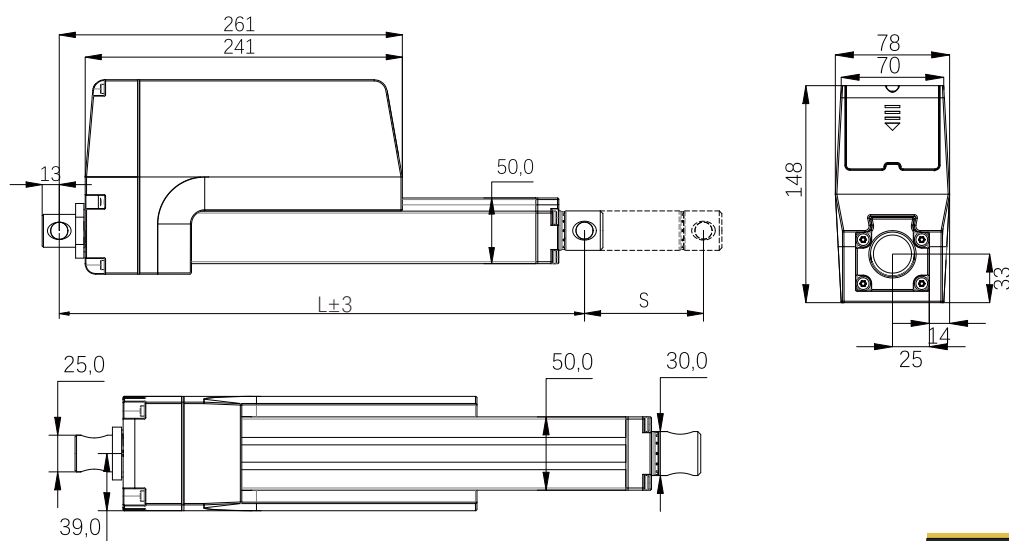
Input Voltage: 12 / 24 / 36 / 48VDC



TECHNICAL PARAMETERS

Transmission Code		A	B	C	D	E	F	G	H	I
Max Dynamic Thrust	N	16,000	12,000	9,000	6,000	3,000	2,000	1,500	1,000	500
Self-locking Thrust	N	17,000	13,000	10,000	7,000	4,000	3,000	2,500	1,500	1,000
No-load Speed	mm/s	5.0	7.0	9.0	14.0	30.0	40.0	65.0	100.0	130.0
Full Load Speed	mm/s	4.0	6.0	7.0	11.0	20.0	35.0	50.0	80.0	130.0
Input Voltage	VDC	12 / 24 / 36 / 48								
Standard Stroke	mm	50 to 900								
Ambient Temperature	°C	-35 to 75								
Noise	dB	≤65								
Color		Black								
Limit Switch		Built-in								
IP Rating		IP66								
Duty Cycle		25% (2 minutes of continuous work, 6 minutes of rest)								
Signal Feedback		None or hall or potentiometer								

OUTLINE DRAWING



Note: This outline drawing is the actuator without POT version. If needed, please contact us for the drawing of actuator with POT.

Stroke	Installation Distance
S(mm)	L(mm)
50-399	200+S
400-900	250+S



LC SERIES

CAN BUS TYPE LINEAR ACTUATOR

This actuator has a built-in controller and CAN bus interface, and it will also report its working status in real time (such as current position, speed, temperature, current, etc.), and can accept very precise and complex instructions (such as "moving to the exact XXX mm position, at the speed of YYY mm/s"), with high-precision control and feedback, strong networking and integration capabilities, etc.

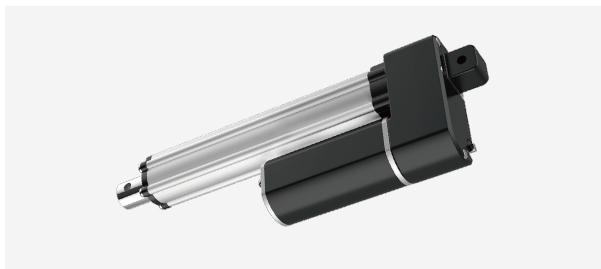
LC38 CAN BUS TYPE

Max. Dynamic Thrust: 3,000N

No-load Speed: 9-34mm/s

Stroke: 20-800mm

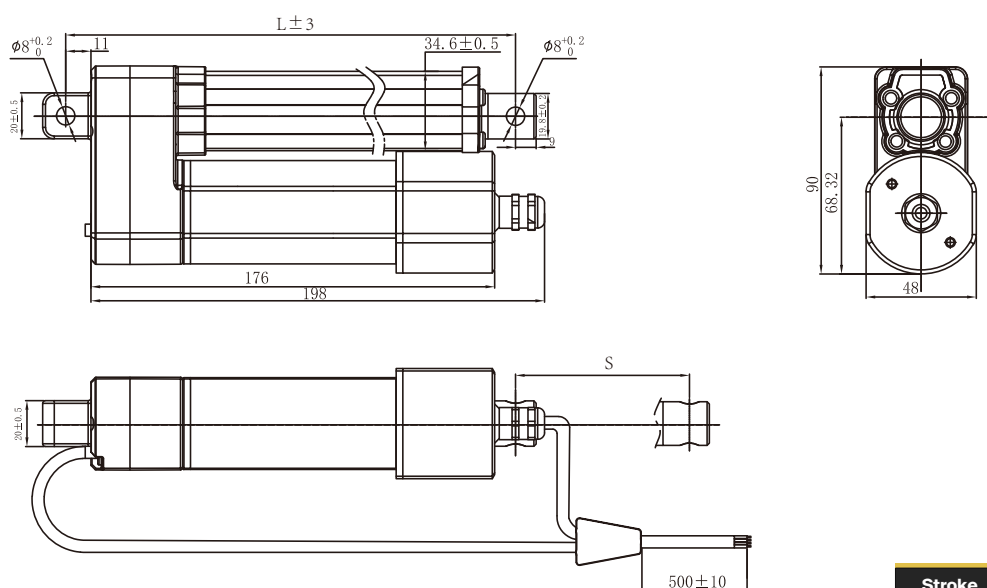
Input Voltage: 12 / 24VDC



TECHNICAL PARAMETERS

Transmission Code		A	B	C	D
Max Dynamic Thrust	N	3,000	2,500	1,500	500
Self-locking Thrust	N	3,500	3,000	2,000	1,000
No-load Speed	mm/s	9.0	9.0	13.0	34.0
Full Load Speed	mm/s	5.8	6.1	10.0	29.0
Input Voltage	VDC	12 / 24			
Standard Stroke	mm	20 to 800			
Ambient Temperature	°C	-40 to 70			
Noise	dB	≤55			
Color		Black			
Limit Switch		Built-in			
IP Rating		IP66			
Duty Cycle		20% (2 minutes of continuous work, 8 minutes of rest)			
Signal Feedback		None or Hall			

OUTLINE DRAWING



Stroke	Installation Distance
S(mm)	L(mm)
20-800	115+S

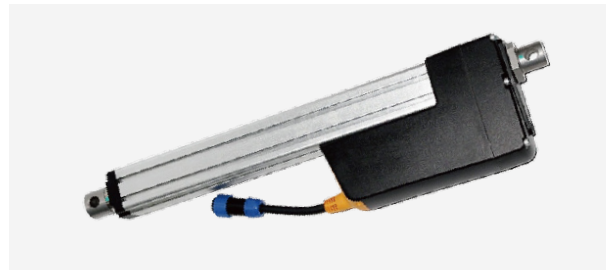
LC121 CAN BUS TYPE

Max. Dynamic Thrust: 12,000N

No-load Speed: 7-35mm/s

Stroke: 50-1,000mm

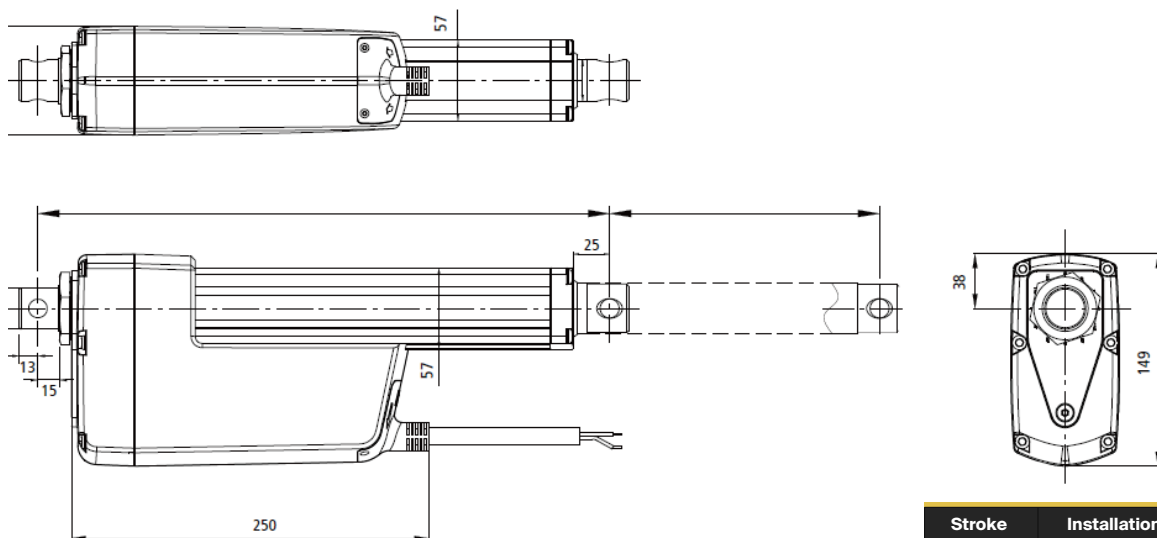
Input Voltage: 12 / 24 / 36 / 48VDC



TECHNICAL PARAMETERS

Transmission Code		A	B	C	D	E
Max Dynamic Thrust	N	12,000	10,000	7,500	5,000	3,500
Self-locking Thrust	N	15,000	12,000	10,000	8,000	5,000
No-load Speed	mm/s	7.0	10.0	14.0	23.0	35.0
Full Load Speed	mm/s	5.0	7.0	8.0	13.0	23.0
Input Voltage	VDC	12 / 24 / 36 / 48				
Standard Stroke	mm	50 to 1,000				
Ambient Temperature	°C	-40 to 65				
Noise	dB	≤65				
Color		Black				
Limit Switch		Built-in				
IP Rating		IP67				
Duty Cycle		20% (2 minutes of continuous work, 8 minutes of rest)				
Signal Feedback		none/hall/Analog semaphores/Magnetic switch				

OUTLINE DRAWING



Stroke	Installation Distance
S(mm)	L(mm)
30-300	200+S
301-600	250+S
601-1,000	300+S



LT SERIES

TELESCOPE TYPE LINEAR ACTUATOR

LT Series-Telescope type linear actuator has compact structure and high protection level, which is widely used in yacht automation, blinds, RV lifting system and so on.

LT16 TELESCOPE TYPE

Max. Dynamic Thrust: 100N

No-load Speed: 14mm/s

Stroke: 20-100mm

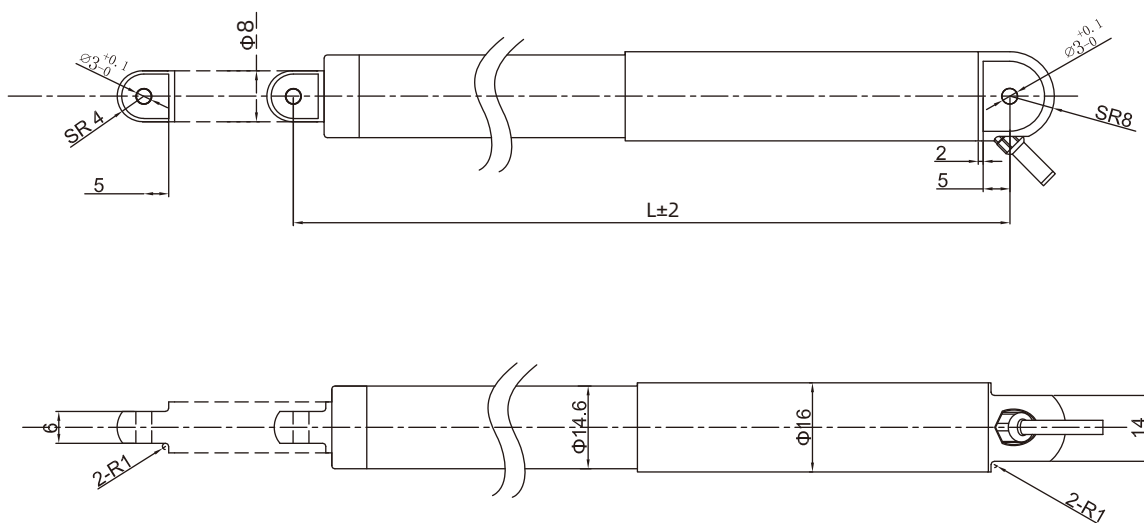
Input Voltage: 12VDC



TECHNICAL PARAMETERS

Transmission Code		A
Max Dynamic Thrust	N	100
Self-locking Thrust	N	500
No-load Speed	mm/s	14.0
Full Load Speed	mm/s	11.0
Input Voltage	VDC	12
Standard Stroke	mm	20 to 100
Ambient Temperature	°C	-20 to 60
Noise	dB	≤60
Color		Black
Limit Switch		Built-in
IP Rating		IP66
Duty Cycle	10% (2 minutes of continuous work, 18 minutes of rest)	
Signal Feedback		None

OUTLINE DRAWING



Signal Feedback	Installation Distance(mm)
None	120+S

LT28 TELESCOPE TYPE

Max. Dynamic Thrust: 500N

No-load Speed: 5-14mm/s

Stroke: 20-500mm

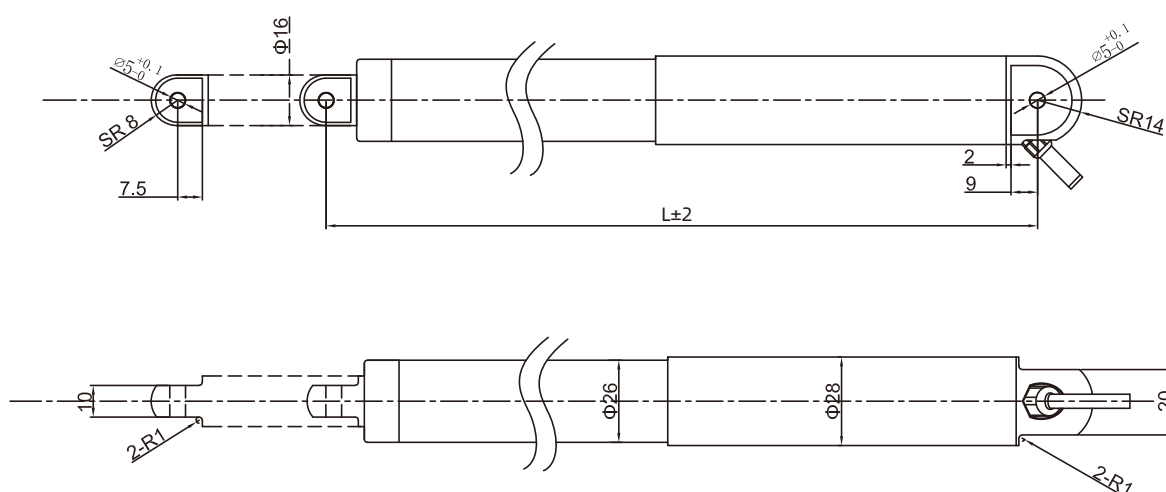
Input Voltage: 12 / 24VDC



TECHNICAL PARAMETERS

Transmission Code		A	B	C
Max Dynamic Thrust	N	500	250	100
Self-locking Thrust	N	1,000	750	500
No-load Speed	mm/s	5.0	7.5	14.0
Full Load Speed	mm/s	4.0	6.0	11.0
Input Voltage	VDC	12 / 24		
Standard Stroke	mm	20 to 500		
Ambient Temperature	°C	-20 to 60		
Noise	dB	≤60		
Color		Black		
Limit Switch		Built-in		
IP Rating		IP67/69K		
Duty Cycle		10% (2 minutes of continuous work, 18 minutes of rest)		
Signal Feedback		None or Hall		

OUTLINE DRAWING



Signal Feedback	Installation Distance(mm)
None	185+S
Hall	195+S

LT38 TELESCOPE TYPE

Max. Dynamic Thrust: 2,300N

No-load Speed: 3.5-35mm/s

Stroke: 20-500mm

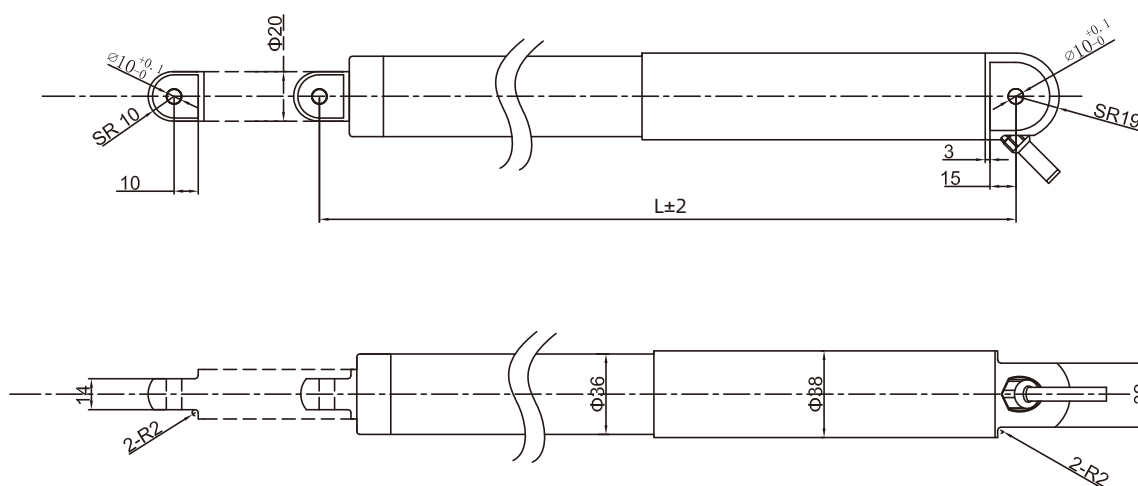
Input Voltage: 12 / 24VDC



TECHNICAL PARAMETERS

Transmission Code		A	B	C	D	E	F	G	H
Max Dynamic Thrust	N	2,300	1,800	1,200	800	550	400	250	100
Self-locking Thrust	N	3,500	3,700	1,900	1,700	1,700	600	600	150
No-load Speed	mm/s	3.5	6.0	8.0	12.0	12.0	16.0	24.0	35.0
Full Load Speed	mm/s	2.5	4.0	6.0	7.0	9.5	14.5	18.0	33.0
Input Voltage	VDC	12 / 24							
Standard Stroke	mm	20 to 500							
Ambient Temperature	°C	-20 to 60							
Noise	dB	≤60							
Color		Black							
Limit Switch		Built-in							
IP Rating		IP67/69K							
Duty Cycle		10% (2 minutes of continuous work, 18 minutes of rest)							
Signal Feedback		None or Hall							

OUTLINE DRAWING



Signal Feedback	Installation Distance(mm)
None	235+S
Hall	245+S

LT53 TELESCOPE TYPE

Max. Dynamic Thrust: 6,000N

No-load Speed: 8.5-13mm/s

Stroke: 20-500mm

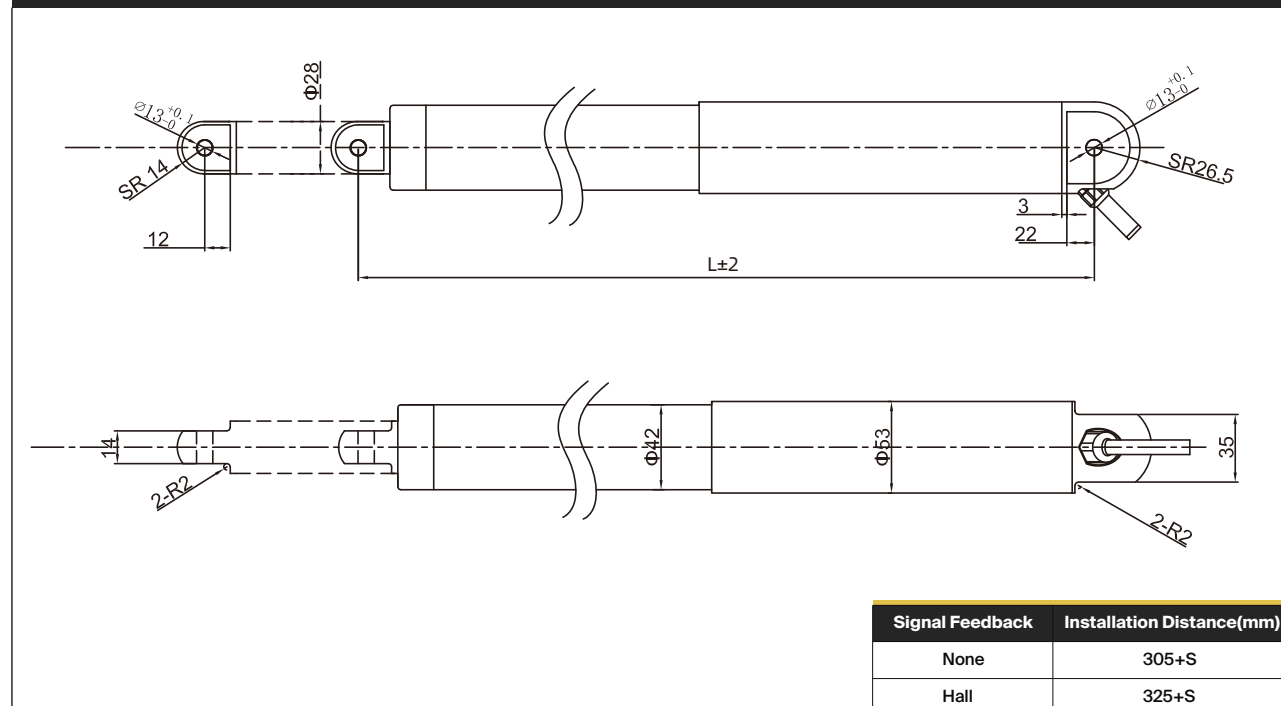
Input Voltage: 12 / 24VDC



TECHNICAL PARAMETERS

Transmission Code		A	B	C	D	E	F	G	H	I
Max Dynamic Thrust	N	6,000	5,000	4,500	3,500	3,000	1,800	1,200	300	100
Self-locking Thrust	N	8,000	8,000	8,000	8,000	6,000	3,500	2,500	600	150
No-load Speed	mm/s	8.5	8.5	8.5	8.5	13.0	13.0	13.0	13.0	13.0
Full Load Speed	mm/s	3.0	3.0	4.5	6.0	10.0	11.0	12.0	12.0	13.0
Input Voltage	VDC	12 / 24								
Standard Stroke	mm	20 to 500								
Ambient Temperature	°C	-20 to 60								
Noise	dB	≤60								
Color		Black								
Limit Switch		Built-in								
IP Rating		IP67/69K								
Duty Cycle		10% (2 minutes of continuous work, 18 minutes of rest)								
Signal Feedback		None or Hall								

OUTLINE DRAWING





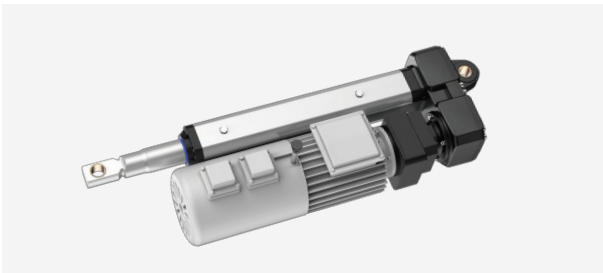
LD SERIES

100% DUTY CYCLE TYPE

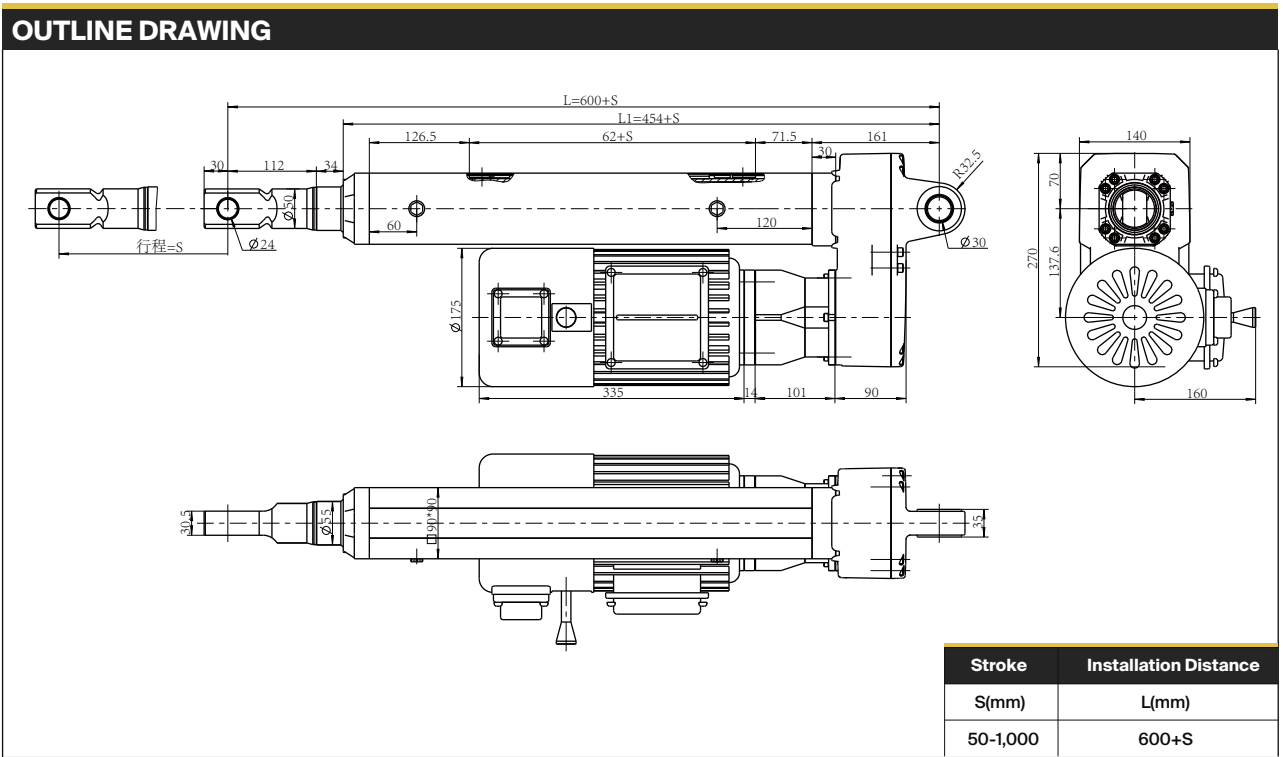
Breaking Limits, Sustained Power: 100% Duty Cycle Electric Linear Actuator—Capable of uninterrupted continuous operation without any cooling downtime, delivering stable and reliable linear motion solutions.

LD201 100% DUTY CYCLE TYPE

Max. Dynamic Thrust: 20,000N
No-load Speed: 19.2-60.9mm/s
Stroke: 50-1,000mm
Input Voltage: 380VAC
Motor Type: Three-phase AC motor



TECHNICAL PARAMETERS				
Transmission Code		A	B	C
Max Dynamic Thrust	N	20,000	10,000	6,000
Self-locking Thrust	N	50,000	25,000	12,500
No-load Speed	mm/s	19.2	38.4	60.9
Full Load Speed	mm/s	19.0	38.0	60.0
Input Voltage	VAC	380		
Standard Stroke	mm	50 to 1,000		
Ambient Temperature	°C	-15 to 40		
Color			Grey+Black	
Limit Switch		Signals need to be led out, and limit positions must be controlled externally.		
IP Rating			IP55	
Duty Cycle			100%	



LD202 100% DUTY CYCLE TYPE

Max. Dynamic Thrust: 20,000N

No-load Speed: 20.8-83.3mm/s

Stroke: 50-1,000mm

Input Voltage: 220VAC

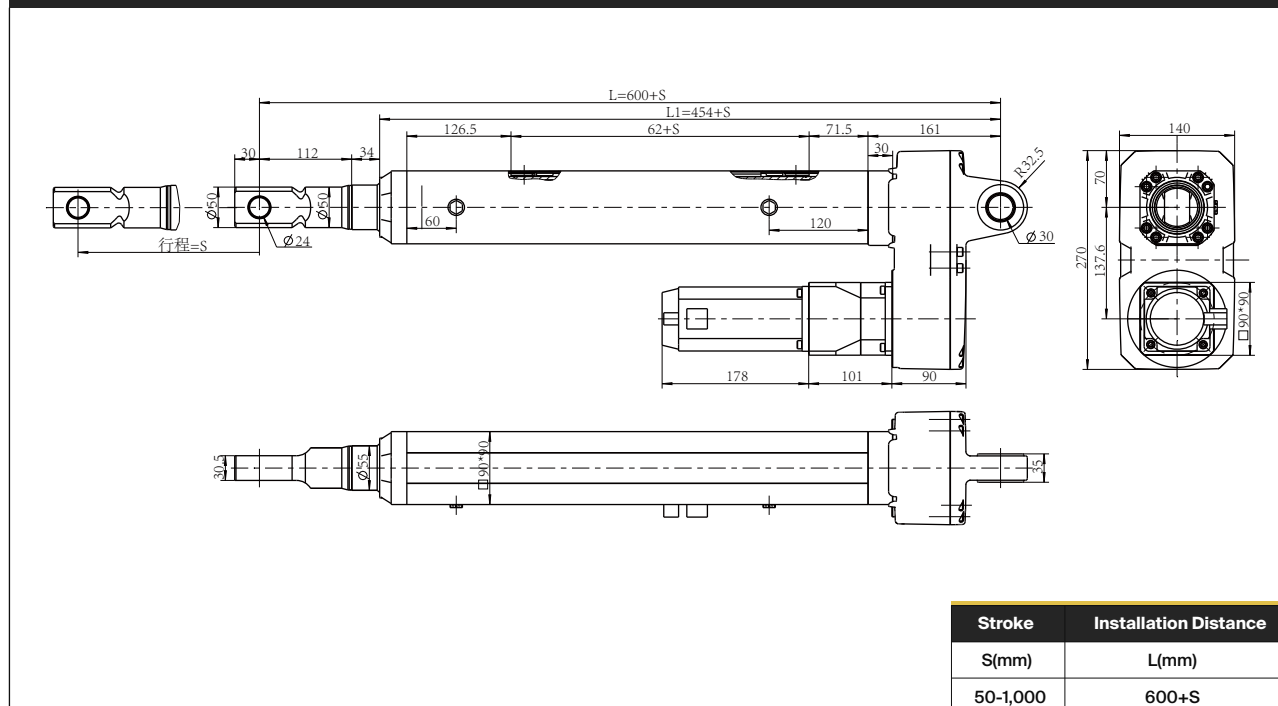
Motor Type: AC Servo Motor



TECHNICAL PARAMETERS

Transmission Code		A	B	C
Max Dynamic Thrust	N	20,000	10,000	5,000
Self-locking Thrust	N	50,000	25,000	12,500
No-load Speed	mm/s	20.8	41.7	83.3
Full Load Speed	mm/s	20.0	40.0	80.0
Input Voltage	VAC	220		
Standard Stroke	mm	50 to 1,000		
Ambient Temperature	℃	-15 to 40		
Color	Grey+Black			
Limit Switch	Signals need to be led out, and limit positions must be controlled externally.			
IP Rating	IP55			
Duty Cycle	100%			

OUTLINE DRAWING





LE SERIES

ELECTRO-HYDRAULIC TYPE LINEAR ACTUATOR

LE series-electro hydraulic type linear actuator is a new hydraulic flexible transmission mechanism that highly integrates DC motors, hydraulic pumps, hydraulic valves, and cylinders. It has the advantages of stable and stable hydraulic action, and also has the advantages of small size and low cost.

LE81

ELECTRO HYDRAULIC TYPE

Max. Dynamic Thrust: 8,000N (16,000N Customizable)

No-load Speed: 18mm/s

Stroke: 50-350mm

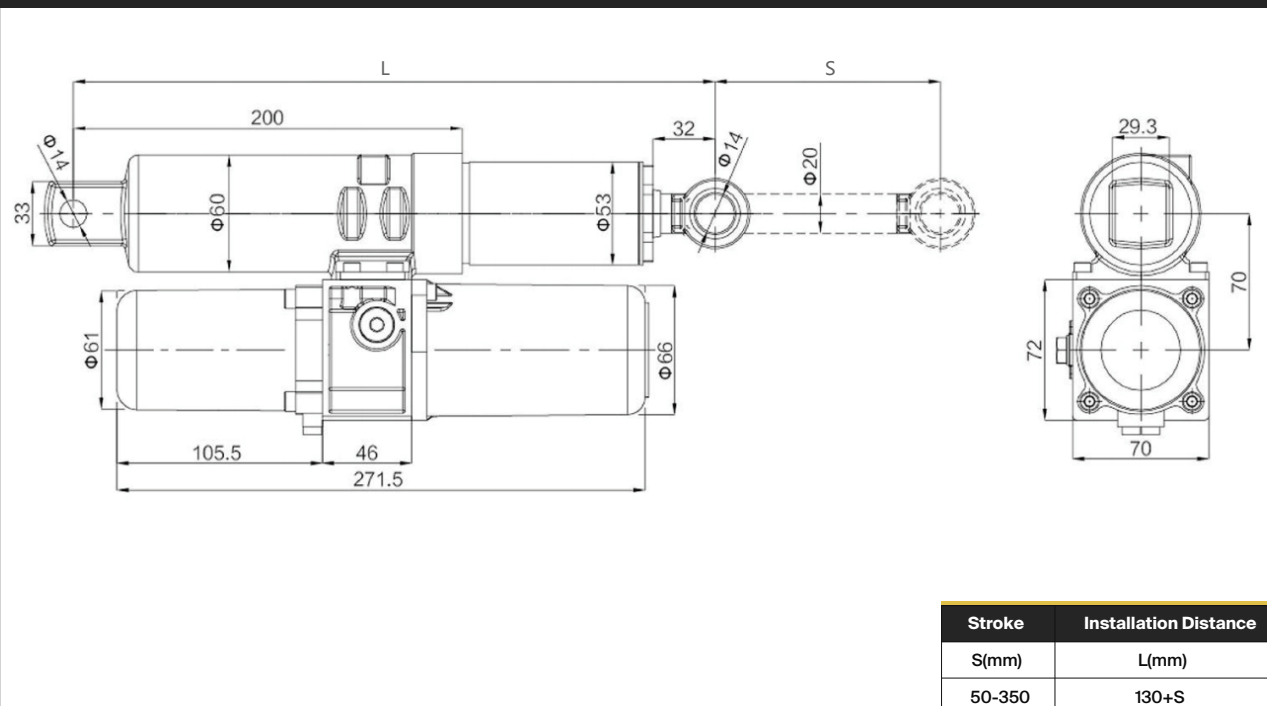
Input Voltage: 12 / 24 / 36 / 48VDC



TECHNICAL PARAMETERS

Transmission Code		A
Max Dynamic Thrust	N	8,000
Self-locking Thrust	N	8,000
No-load Speed	mm/s	18.0
Full Load Speed	mm/s	7.0
Input Voltage	VDC	12 / 24 / 36 / 48
Standard Stroke	mm	50 to 350
Ambient Temperature	°C	-20 to 70
Noise	dB	≤65
Color		Black
Limit Switch		Built-in
IP Rating		IP67
Duty Cycle	25% (2 minutes of continuous work, 6 minutes of rest)	
Signal Feedback		None

OUTLINE DRAWING





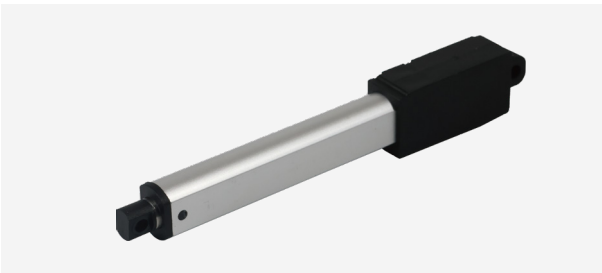
LM SERIES

MINIATURE TYPE LINEAR ACTUATOR

LM series-miniature type linear actuator is widely used in lighting equipment, pipe valve switch, such as the need for linear motion actuator occasions, easy to install, compact structure, energy saving and safety.

LM10 MINIATURE TYPE

Max. Dynamic Thrust: 120N
No-load Speed: 4-30mm/s
Stroke: 30-150mm
Input Voltage: 12 VDC



TECHNICAL PARAMETERS					
Transmission Code		A	B	C	D
Max Dynamic Thrust	N	120	70	50	20
Self-locking Thrust	N	120	70	50	20
No-load Speed	mm/s	4.0	8.0	15.0	30.0
Full Load Speed	mm/s	2.0	6.0	13.0	27.0
Input Voltage	VDC	12			
Standard Stroke	mm	30 to 350			
Ambient Temperature	°C	0 to 40			
Noise	dB	≤50			
Color		Black			
Limit Switch		Built-in			
IP Rating		IP54 (IP66 customizable)			
Duty Cycle		16% (2 minutes of continuous work, 10 minutes of rest)			
Signal Feedback		None			

OUTLINE DRAWING

Stroke	Installation Distance
S(mm)	L(mm)
30-150	57.5+S

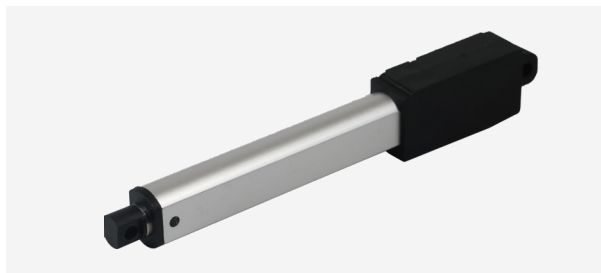
LM20 MINIATURE TYPE

Max. Dynamic Thrust: 200N

No-load Speed: 5-150mm/s

Stroke: 30-150mm

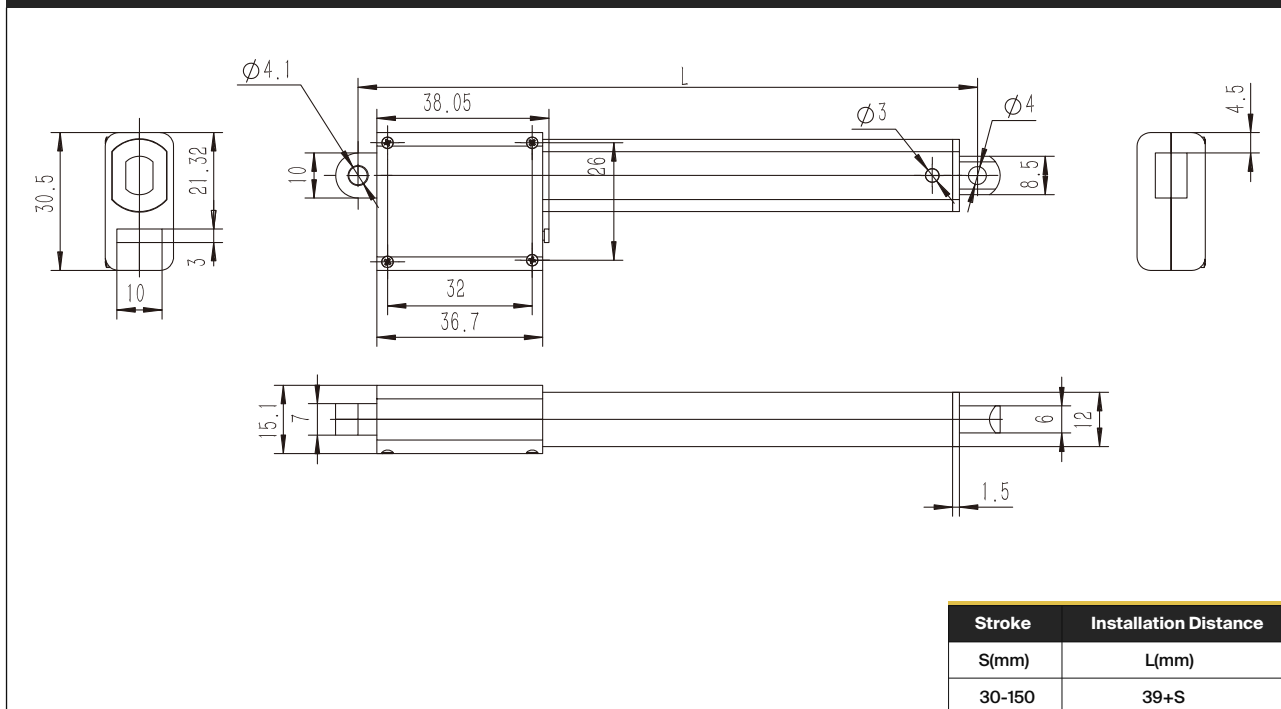
Input Voltage: 12 / 24 VDC



TECHNICAL PARAMETERS

Transmission Code		A	B	C	D	E	F	G
Max Dynamic Thrust	N	200	128	96	64	32	19	8
Self-locking Thrust	N	235	160	120	80	40	24	13
No-load Speed	mm/s	5.0	7.0	10.0	15.0	30.0	50.0	150.0
Full Load Speed	mm/s	4.0	6.0	8.0	14.0	28.0	46.0	138.0
Input Voltage	VDC	12 / 24						
Standard Stroke	mm	30 to 150						
Ambient Temperature	°C	-20 to 65						
Noise	dB	≤50						
Color		Black						
Limit Switch		Built-in						
IP Rating		IP54						
Duty Cycle		16% (2 minutes of continuous work, 10 minutes of rest)						
Signal Feedback		None						

OUTLINE DRAWING



LM40 MINIATURE TYPE

Max. Dynamic Thrust: 400N

No-load Speed: 6.0mm/s

Stroke: 20-150mm

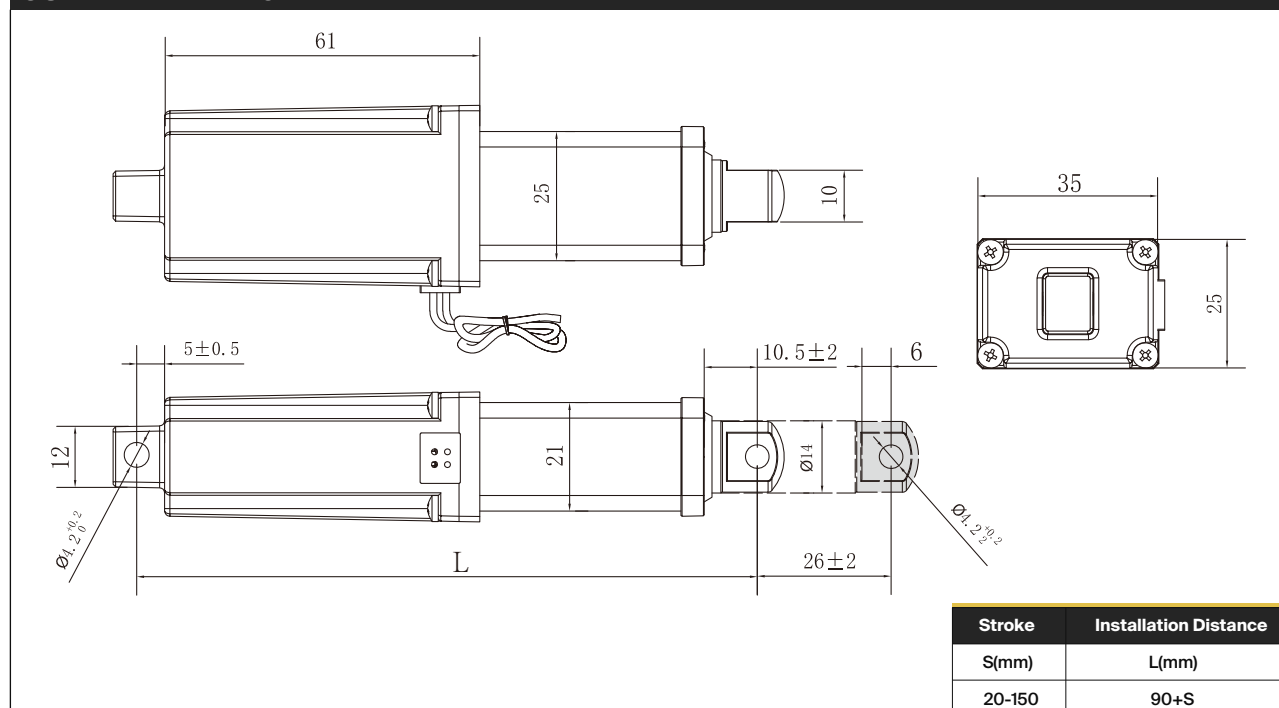
Input Voltage: 12 / 24 VDC



TECHNICAL PARAMETERS

Transmission Code		A
Max Dynamic Thrust	N	400
Self-locking Thrust	N	500
No-load Speed	mm/s	6.0
Full Load Speed	mm/s	3.0
Input Voltage	VDC	12 / 24
Standard Stroke	mm	20 to 150
Ambient Temperature	°C	-20 to 60
Noise	dB	≤60
Color		Black
Limit Switch		Built-in
IP Rating		IP65
Duty Cycle	10% (2 minutes of continuous work, 18 minutes of rest)	
Signal Feedback		None or Hall

OUTLINE DRAWING





LH SERIES

HEALTHCARE TYPE LINEAR ACTUATOR

LH series-medical care type linear actuator adopts worm gear drive, easy to operate and install, long service life, low noise, free maintenance. Widely used in medical beds, surgical beds, nursing beds, dental chairs, wheelchairs and so on.

LH31 HEALTHCARE TYPE

Max. Dynamic Thrust: 3,000N

No-load Speed: 4-15mm/s

Stroke: 50-800mm

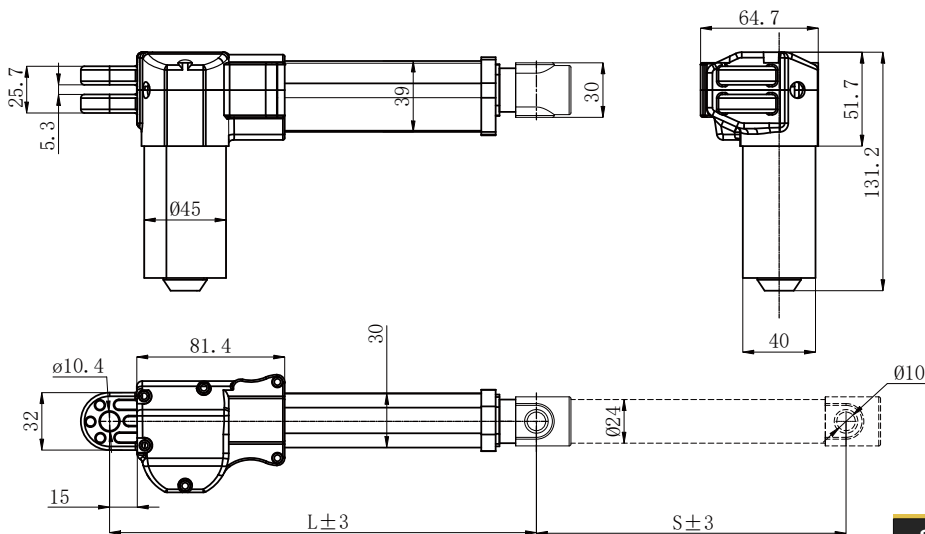
Input Voltage: 12 / 24VDC



TECHNICAL PARAMETERS

Transmission Code		A	B	C	D	E
Max Dynamic Thrust	N	3,000	1,500	1,000	750	500
Self-locking Thrust	N	3,000	500	1,000	1,000	500
No-load Speed	mm/s	4.0	4.0	5.0	13.0	15.0
Full Load Speed	mm/s	3.0	2.0	3.0	8.0	10.0
Input Voltage	VDC	12 / 24				
Standard Stroke	mm	50 to 800				
Ambient Temperature	°C	-15 to 45				
Noise	dB	≤45				
Color		Black or Gray				
Limit Switch		Built-in				
IP Rating		IP43				
Duty Cycle		10% (2 minutes of continuous work, 18 minutes of rest)				
Signal Feedback		None or Hall				

OUTLINE DRAWING



Stroke	Installation Distance
S(mm)	L(mm)
50-300	135+S
301-499	150+S
500-600	155+S

LH51 HEALTHCARE TYPE

Max. Dynamic Thrust: 5,000N

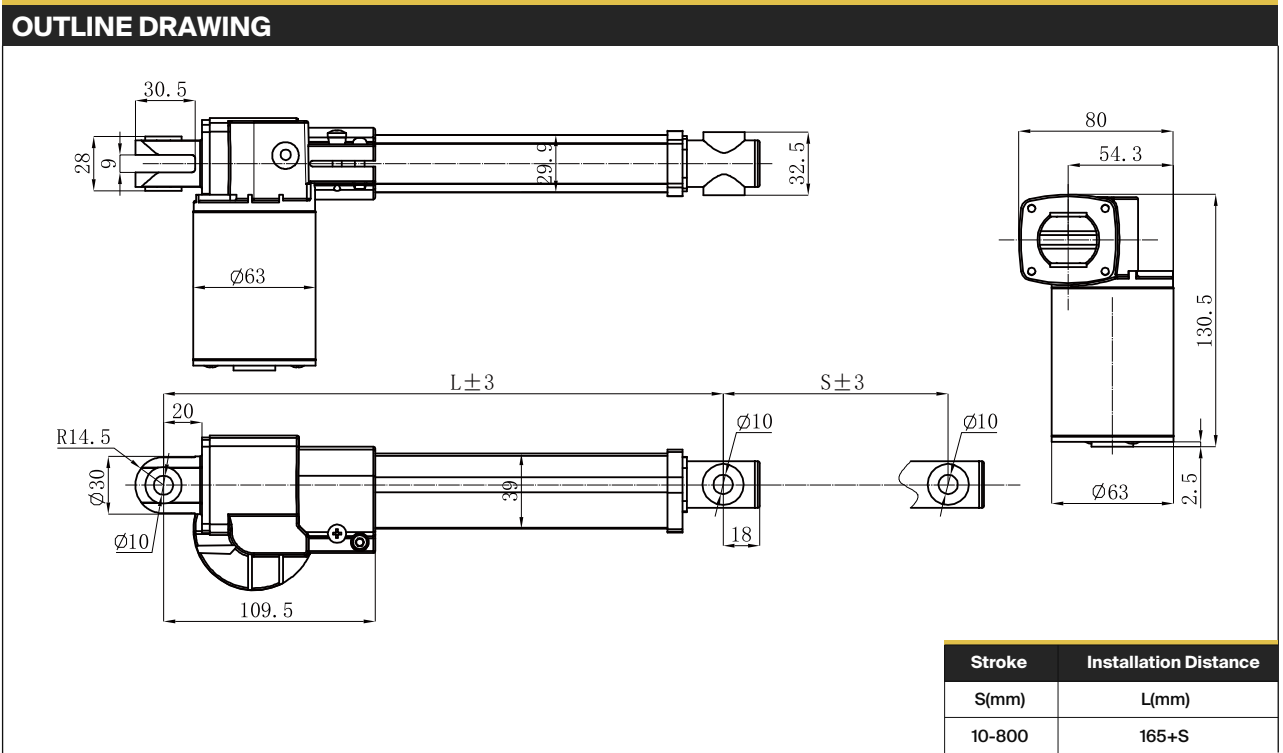
No-load Speed: 4-14mm/s

Stroke: 10-800mm

Input Voltage: 12 / 24VDC



TECHNICAL PARAMETERS						
Transmission Code		A	B	C	D	E
Max Dynamic Thrust	N	5,000	4,000	3,000	2,000	1,000
Self-locking Thrust	N	5,000	4,000	3,000	2,000	1,000
No-load Speed	mm/s	4.0	4.0	10.0	11.0	14.0
Full Load Speed	mm/s	3.0	3.0	6.0	8.0	9.0
Input Voltage	VDC	12 / 24				
Standard Stroke	mm	10 to 800				
Ambient Temperature	°C	-15 to 45				
Noise	dB	≤45				
Color				Black or Gray		
Limit Switch				Built-in		
IP Rating				IP43		
Duty Cycle			10% (2 minutes of continuous work, 18 minutes of rest)			
Signal Feedback				None or Hall		



LH61 HEALTHCARE TYPE

Max. Dynamic Thrust: 6,000N

No-load Speed: 4-28mm/s

Stroke: 50-800mm

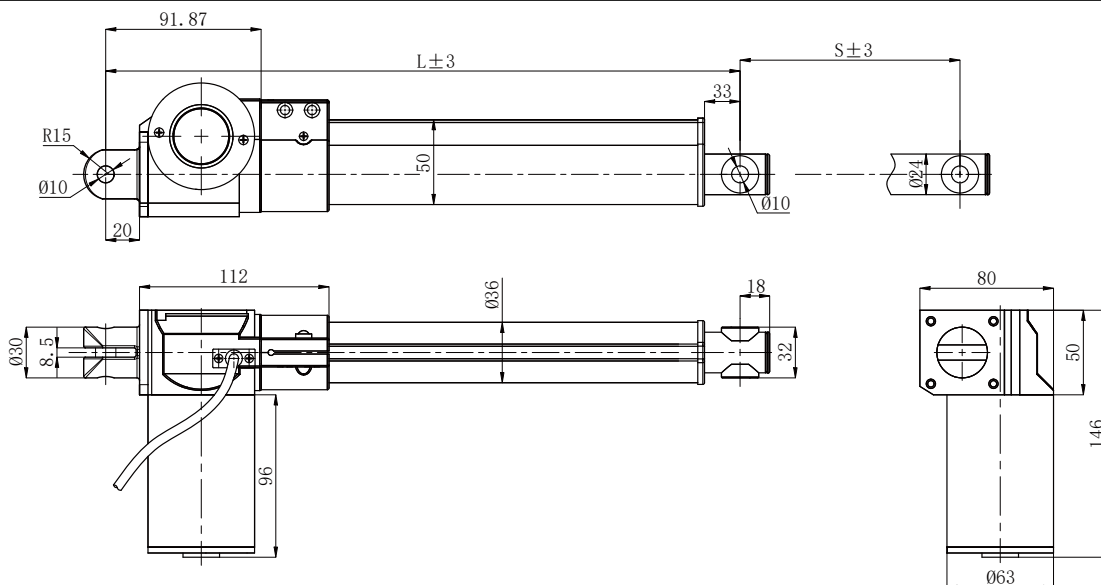
Input Voltage: 12 / 24VDC



TECHNICAL PARAMETERS

Transmission Code		A	B	C	D	E	F
Max Dynamic Thrust	N	6,000	4,000	3,000	2,000	1,500	500
Self-locking Thrust	N	6,000	4,000	3,000	2,000	1,500	500
No-load Speed	mm/s	4.0	6.0	9.0	15.0	17.0	28.0
Full Load Speed	mm/s	3.0	5.0	8.0	13.0	15.0	23.0
Input Voltage	VDC	12 / 24					
Standard Stroke	mm	50 to 800					
Ambient Temperature	°C	-15 to 45					
Noise	dB	≤45					
Color		Black or Gray					
Limit Switch		Built-in					
IP Rating		IP43					
Duty Cycle		10% (2 minutes of continuous work, 18 minutes of rest)					
Signal Feedback		None or Hall					

OUTLINE DRAWING



Stroke	Installation Distance
S(mm)	L(mm)
50-800	175+S

LH62 HEALTHCARE TYPE

Max. Dynamic Thrust: 6,000N

No-load Speed: 5.2-10mm/s

Stroke: 50-800mm

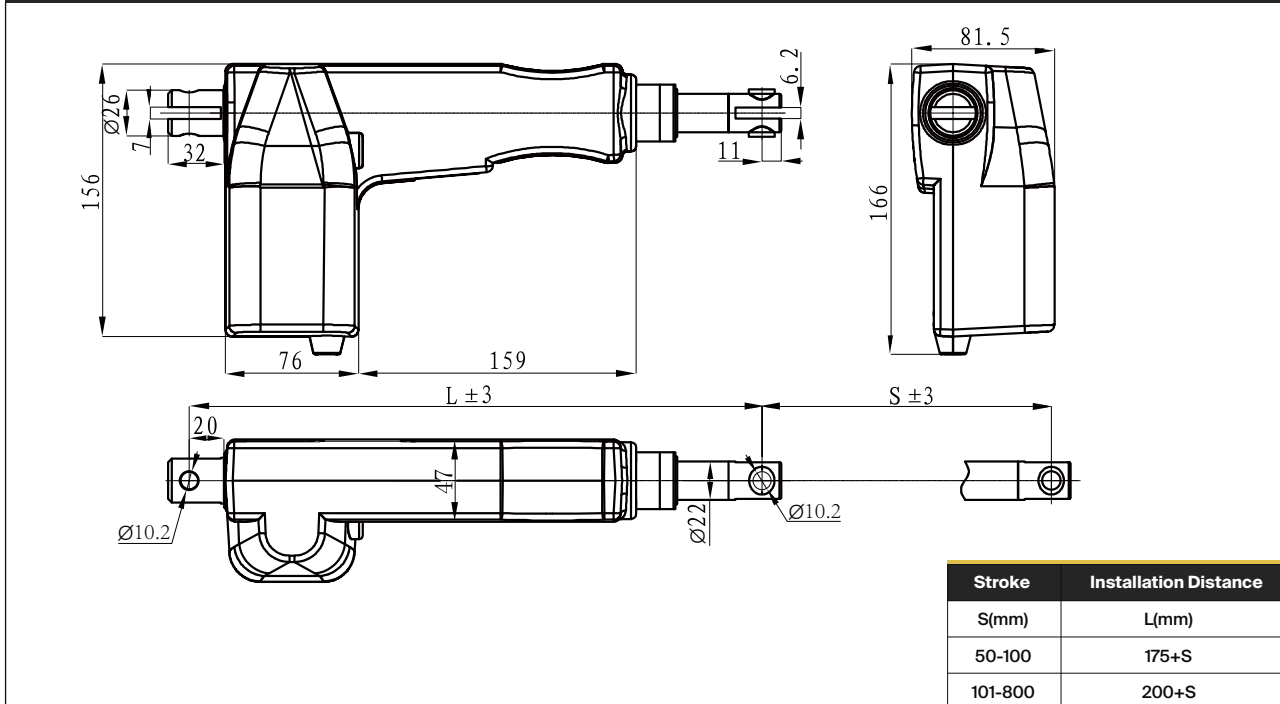
Input Voltage: 12 / 24VDC



TECHNICAL PARAMETERS

Transmission Code		A	B	C
Max Dynamic Thrust	N	6,000	4,000	2,000
Self-locking Thrust	N	7,000	5,000	3,000
No-load Speed	mm/s	5.2	6.7	10.0
Full Load Speed	mm/s	4.7	5.2	5.7
Input Voltage	VDC	12 / 24		
Standard Stroke	mm	50 to 800		
Ambient Temperature	°C	-15 to 45		
Noise	dB	≤45		
Color		Gray		
Limit Switch		Built-in		
IP Rating		IP54		
Duty Cycle		10% (2 minutes of continuous work, 18 minutes of rest)		
Signal Feedback		None or hall		

OUTLINE DRAWING



LH81 HEALTHCARE TYPE

Max. Dynamic Thrust: 8,000N

No-load Speed: 4-16mm/s

Stroke: 50-800mm

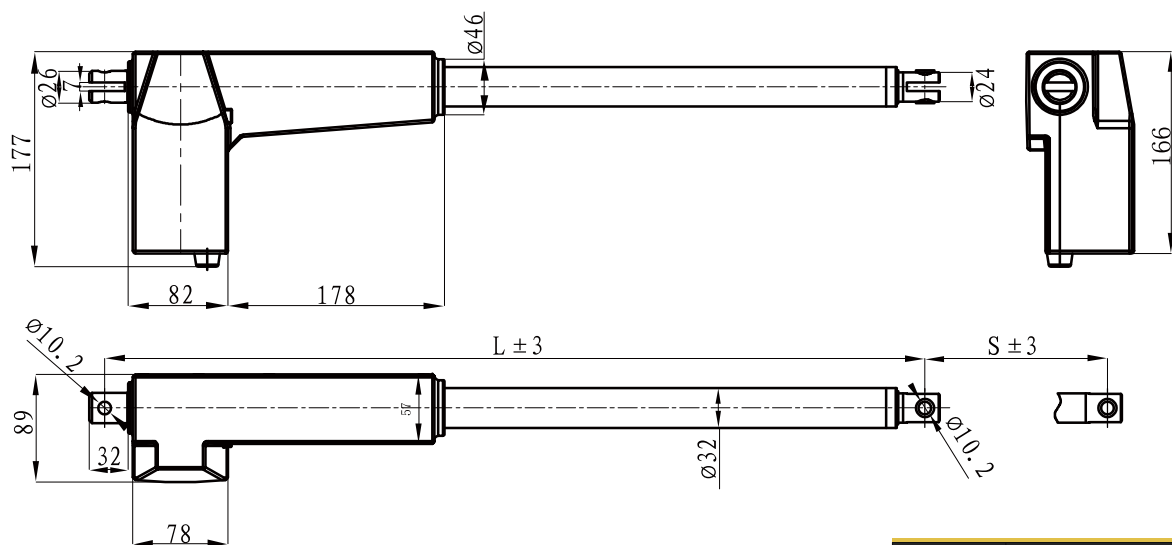
Input Voltage: 12 / 24VDC



TECHNICAL PARAMETERS

Transmission Code		A	C	B	D	E
Max Dynamic Thrust	N	8,000	6,000	4,000	3,000	1,500
Self-locking Thrust	N	9,000	7,000	5,000	4,000	2,000
No-load Speed	mm/s	4.0	5.0	6.5	10.0	16.0
Full Load Speed	mm/s	3.0	4.3	5.0	7.5	12.0
Input Voltage	VDC	12 / 24				
Standard Stroke	mm	50 to 800				
Ambient Temperature	°C	-15 to 45				
Noise	dB	≤45				
Color		Gray				
Limit Switch		Built-in				
IP Rating		IP54				
Duty Cycle		10% (2 minutes of continuous work, 18 minutes of rest)				
Signal Feedback		None or hall				

OUTLINE DRAWING



Stroke	Installation Distance
S(mm)	L(mm)
50-100	175+S
101-800	200+S

LH82 HEALTHCARE TYPE

Max. Dynamic Thrust: 8,000N

No-load Speed: 4-15mm/s

Stroke: 50-800mm

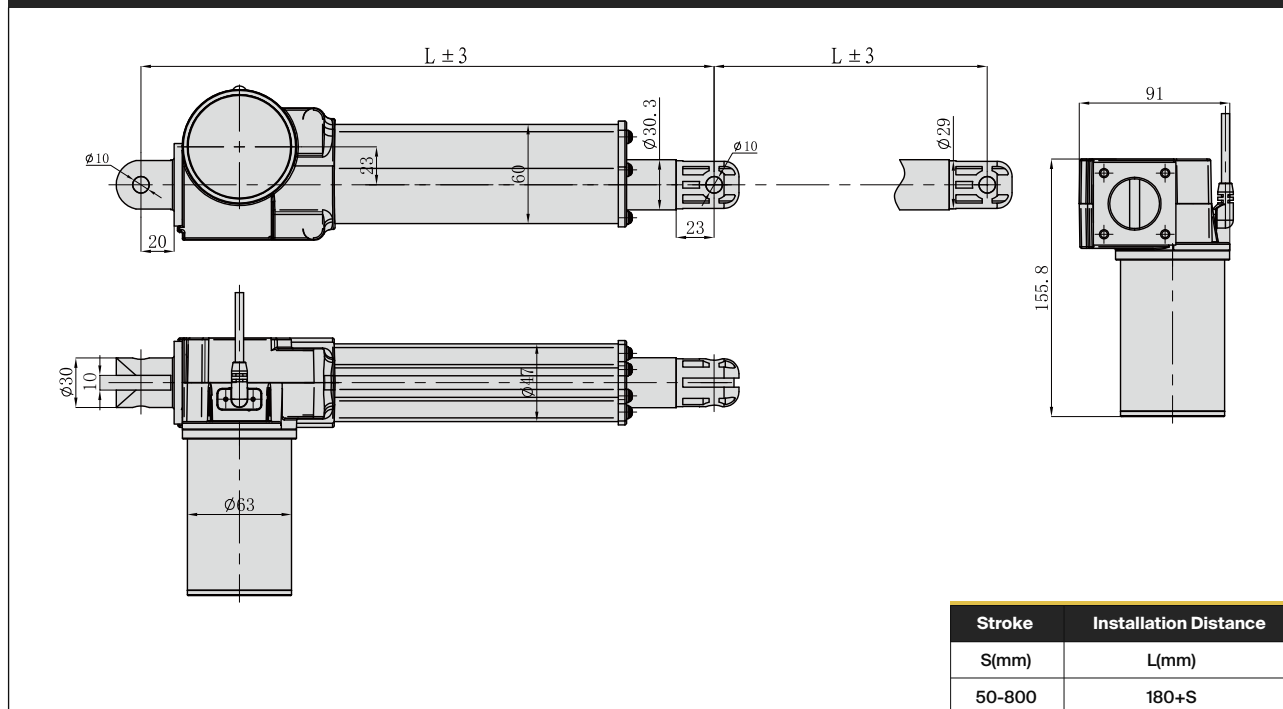
Input Voltage: 12 / 24VDC



TECHNICAL PARAMETERS

Transmission Code		A	B	C
Max Dynamic Thrust	N	8,000	4,000	2,000
Self-locking Thrust	N	8,000	4,000	2,000
No-load Speed	mm/s	4.0	8.0	15.0
Full Load Speed	mm/s	3.0	5.0	10.0
Input Voltage	VDC	12 / 24		
Standard Stroke	mm	50 to 800		
Ambient Temperature	°C	-15 to 45		
Cable Length	mm	Customizable		
Color		Black or Gray		
Limit Switch		Built-in		
IP Rating		IP67		
Duty Cycle		10% (2 minutes of continuous work, 18 minutes of rest)		
Signal Feedback		None or hall		

OUTLINE DRAWING





LF SERIES

FURNITURE TYPE LINEAR ACTUATOR

Use technology to enhance ordinary living spaces. Electric linear actuators infuse sofas, beds, and desks with tech-driven precision adjustment, allowing seamless switching to comfortable positions without manual effort. Further simplified by intelligent controls, this thoughtful convenience elevates your lifestyle, making a better life within easy reach.

LF21 FURNITURE TYPE

Max. Dynamic Thrust: 2,500N

No-load Speed: 5-20mm/s

Stroke: 50-800mm

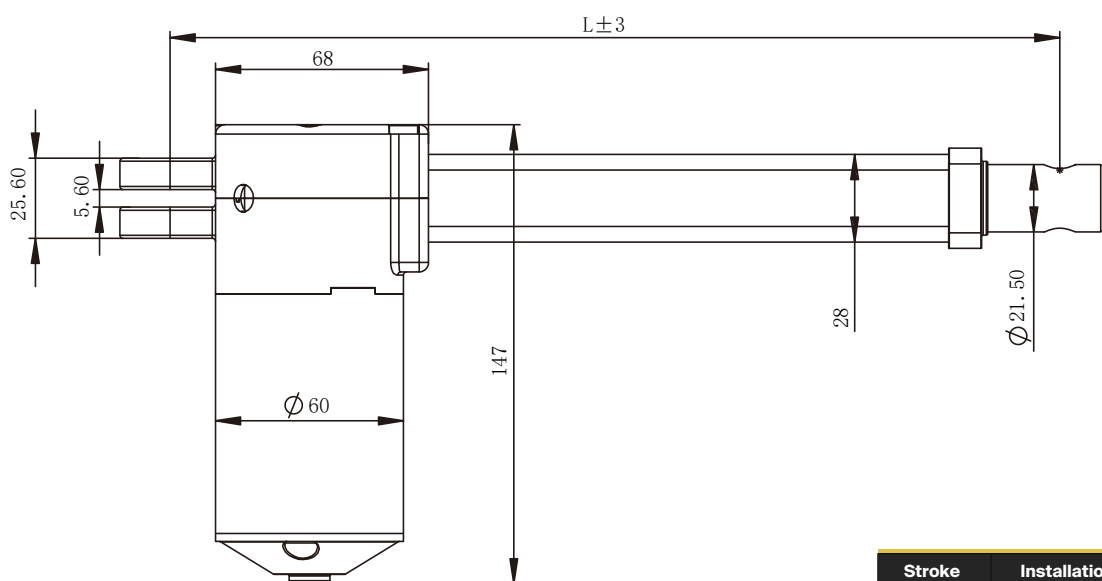
Input Voltage: 12 / 24 / 29VDC



TECHNICAL PARAMETERS

Transmission Code		A	B	C	D
Max Dynamic Thrust	N	2,500	2,000	1,000	500
Self-locking Thrust	N	3,200	2,600	1,300	650
No-load Speed	mm/s	5.0	10.0	16.0	20.0
Full Load Speed	mm/s	4.0	6.0	13.0	15.0
Input Voltage	VDC	12 / 24 / 29			
Standard Stroke	mm	50 to 800			
Ambient Temperature	°C	-20 to 45			
Noise	dB	≤45			
Color		Black or Gray			
Limit Switch		Built-in			
IP Rating		IP43			
Duty Cycle		10% (2 minutes of continuous work, 18 minutes of rest)			
Signal Feedback		None or hall			

OUTLINE DRAWING



Stroke	Installation Distance
S(mm)	L(mm)
50-800	140+S

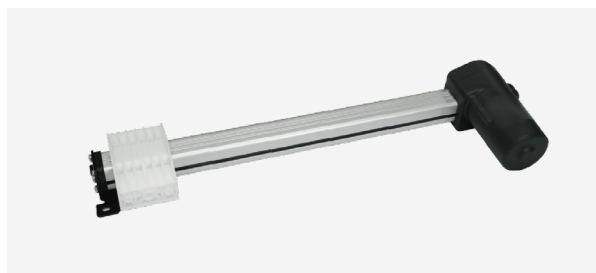
LF41 FURNITURE TYPE

Max. Dynamic Thrust: 4,000N

No-load Speed: 6-20mm/s

Stroke: 50-800mm

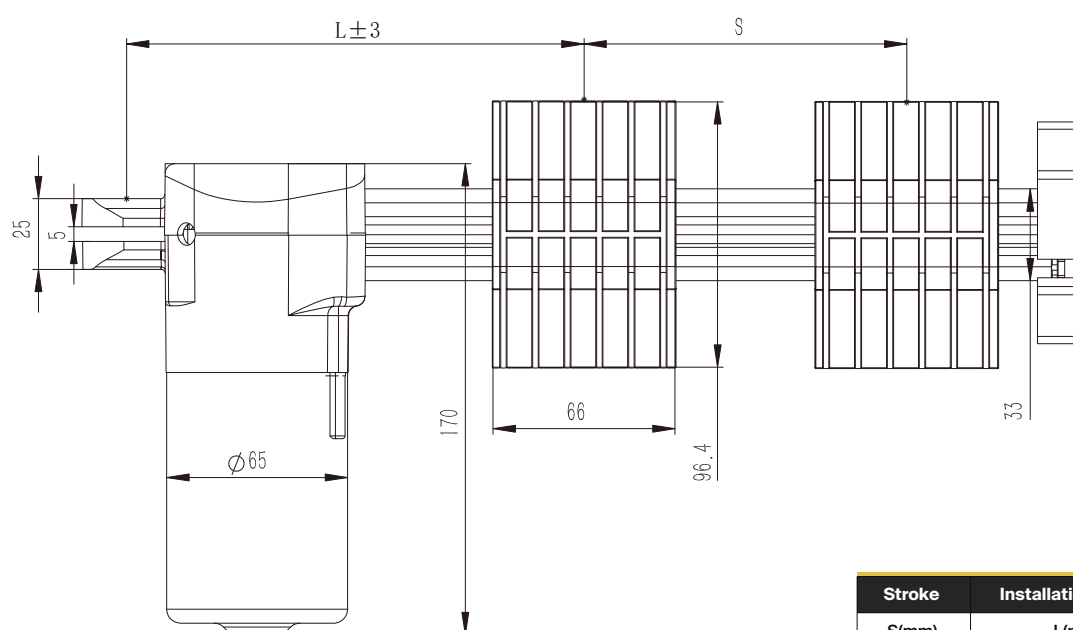
Input Voltage: 12 / 24 / 29VDC



TECHNICAL PARAMETERS

Transmission Code		A	B	C	D
Max Dynamic Thrust	N	4,000	3,000	1,500	500
Self-locking Thrust	N	2,600	1,900	1,300	650
No-load Speed	mm/s	6.0	14.0	17.0	20.0
Full Load Speed	mm/s	4.0	10.0	13.0	15.0
Input Voltage	VDC	12 / 24 / 29			
Standard Stroke	mm	50 to 800			
Ambient Temperature	°C	-20 to 45			
Noise	dB	≤45			
Color		Black or Gray			
Limit Switch		Built-in			
IP Rating		IP43			
Duty Cycle		10% (2 minutes of continuous work, 18 minutes of rest)			
Signal Feedback		None or hall			

OUTLINE DRAWING



Stroke	Installation Distance
S(mm)	L(mm)
50-800	115+S

LF61 FURNITURE TYPE

Max. Dynamic Thrust: 6,000N

No-load Speed: 5-28mm/s

Stroke: 50-800mm

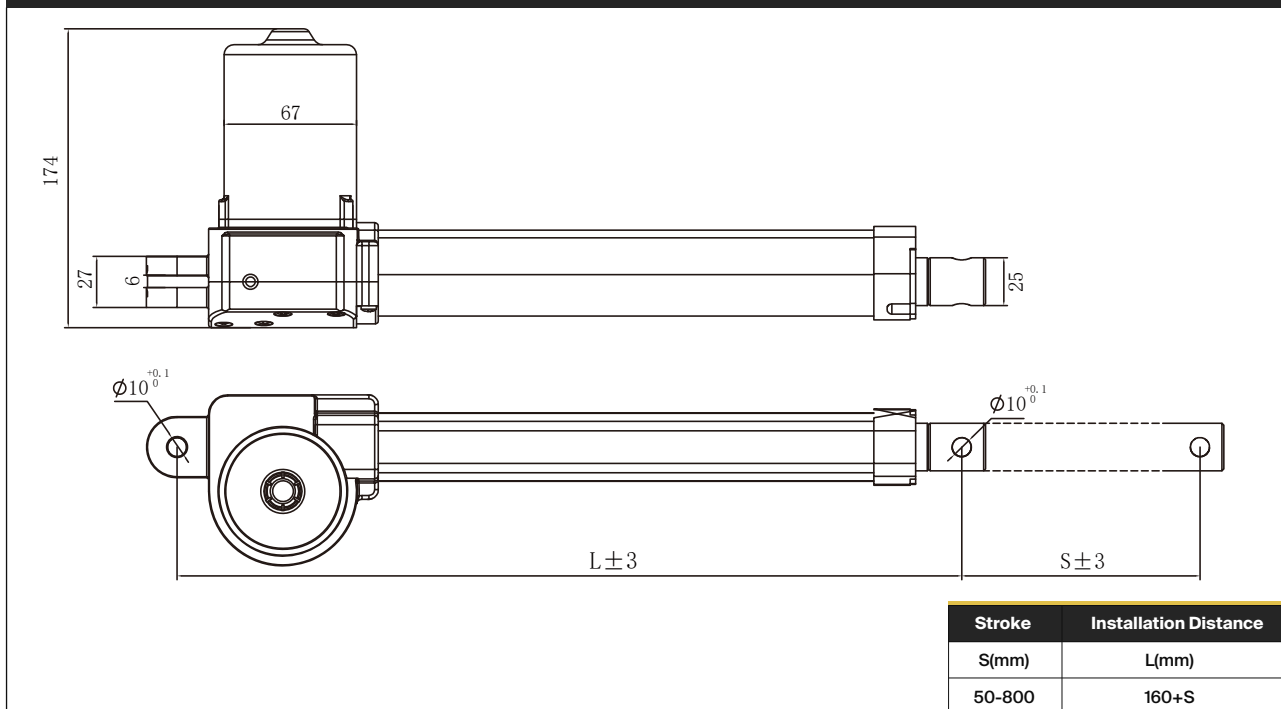
Input Voltage: 12 / 24 / 29VDC



TECHNICAL PARAMETERS

Transmission Code		A	B	C	D	E	F
Max Dynamic Thrust	N	6,000	4,000	3,000	2,000	1,500	500
Self-locking Thrust	N	7,500	5,000	4,000	2,600	2,000	650
No-load Speed	mm/s	5.0	8.0	13.0	15.0	17.0	28.0
Full Load Speed	mm/s	4.0	7.0	11.0	13.0	15.0	23.0
Input Voltage	VDC	12 / 24 / 29					
Standard Stroke	mm	50 to 800					
Ambient Temperature	°C	-20 to 45					
Noise	dB	≤45					
Color		Black or Gray					
Limit Switch		Built-in					
IP Rating		IP65					
Duty Cycle		10% (2 minutes of continuous work, 18 minutes of rest)					
Signal Feedback		None or hall					

OUTLINE DRAWING





LL SERIES

LIVESTOCK FARM TYPE LINEAR ACTUATOR

Livestock actuators, also known as agricultural electric actuators, are electric linear motion devices specifically designed for agricultural and livestock environments. It is mainly used in the fields of automatic feeding system, pen environment control, pen and door control management, and has the characteristics of sturdiness, high protection level, and adaptation to harsh environments.

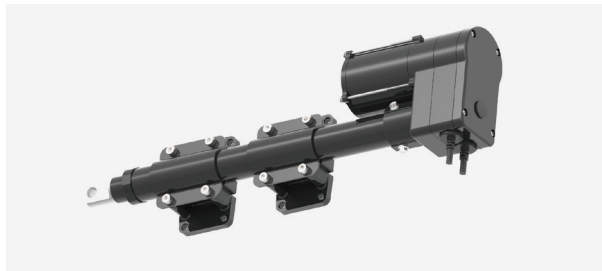
LL51 LIVESTOCK FARM TYPE

Max. Dynamic Thrust: 5,000N

No-load Speed: 4.5mm/s

Stroke: 50-1,200mm

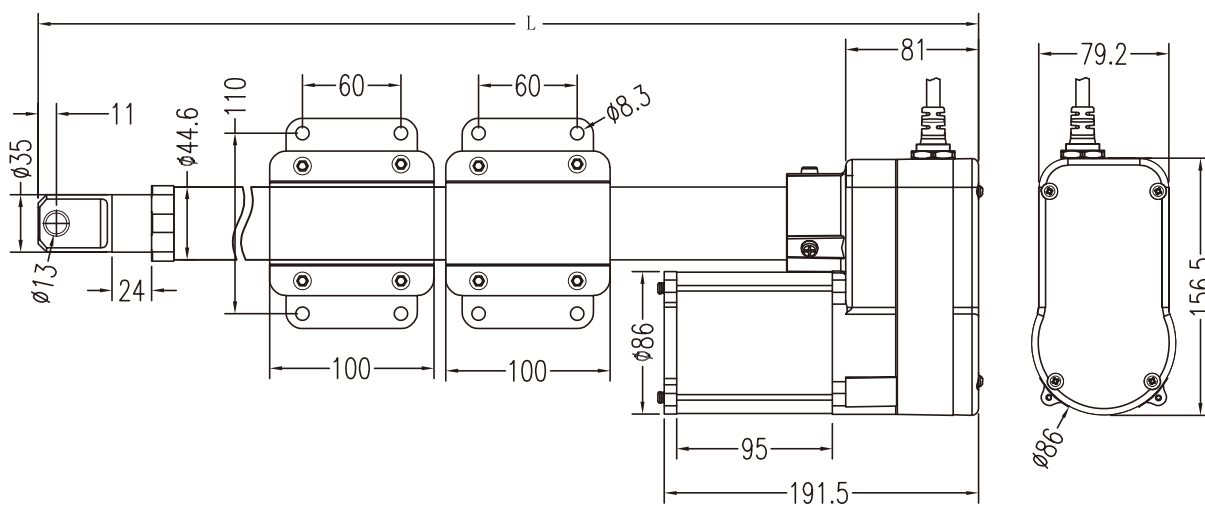
Input Voltage: 220 / 230VAC



TECHNICAL PARAMETERS

Transmission Code		A
Voltage	VAC	220 / 230
Power	W	168
Max Dynamic Thrust	N	5,000
No-load Speed	mm/s	4.5
Full Load Speed	mm/s	4
Stroke Length	mm	50-1200
Ambient Temperature	°C	-20 to 60
Limit Switch		Built-in
IP Rating	IP	IP66
Duty Cycle	%	10% (2 minutes of continuous work, 18 minutes of rest)
Signal Feedback		Potentiometer

OUTLINE DRAWING



Stroke	Installation Distance
S(mm)	L(mm)
50-1,200	295+S



LW SERIES

WINDOW OPENER TYPE LINEAR ACTUATOR

A windowed actuator, also known as a sliding actuator, is a special type of electric linear actuator. It is widely used in office buildings, commercial complexes and other places, and the products have the characteristics of beauty and small space occupation.

LW20 WINDOW OPENER TYPE

Max. Dynamic Thrust: 150N

No-load Speed: 4-15mm/s

Stroke: 5-400mm

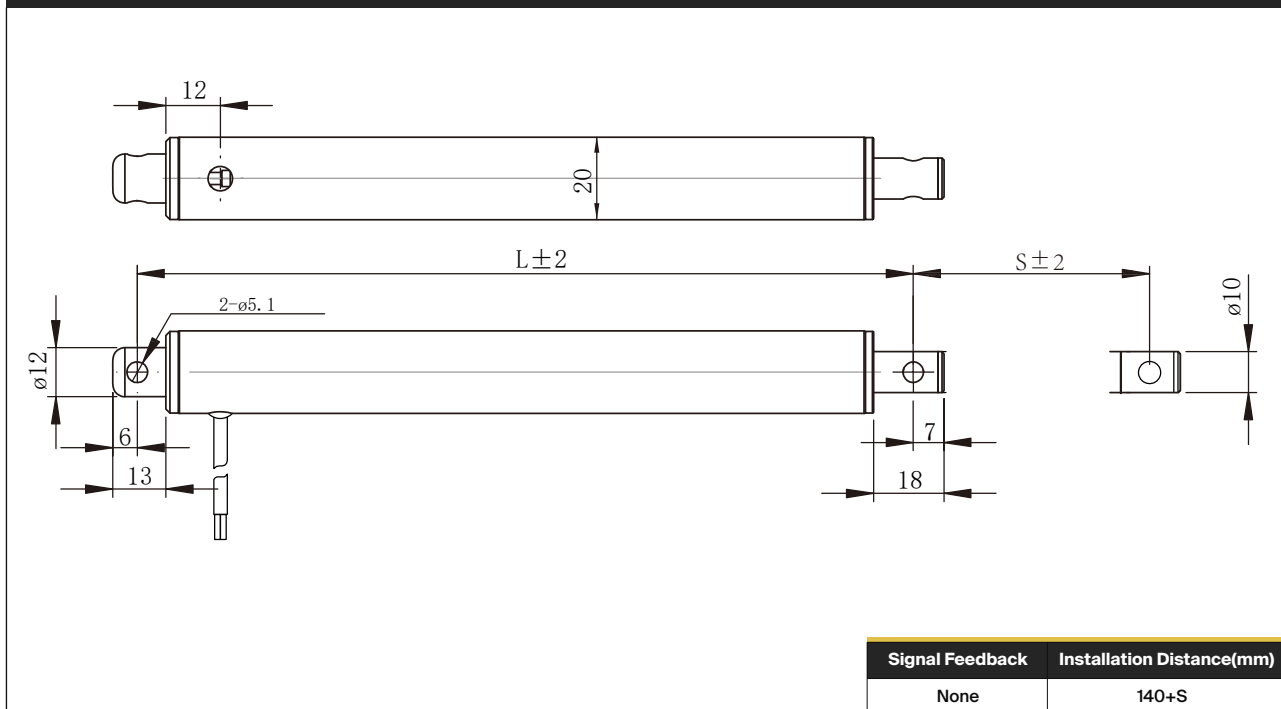
Input Voltage: 12 / 24VDC



TECHNICAL PARAMETERS

Transmission Code		A	B	C
Max Dynamic Thrust	N	150	100	40
Self-locking Thrust	N	150	100	40
No-load Speed	mm/s	4.0	10.0	15.0
Full Load Speed	mm/s	3.0	6.0	10.0
Input Voltage	VDC	12 / 24		
Standard Stroke	mm	5 to 400		
Ambient Temperature	°C	-25 to 65		
Noise	dB	≤45		
Color		Black or Gray		
Limit Switch		Built-in		
IP Rating		IP65		
Duty Cycle		20% (2 minutes of continuous work, 8 minutes of rest)		
Signal Feedback		None		

OUTLINE DRAWING



LW24 WINDOW OPENER TYPE

Max. Dynamic Thrust: 150N

No-load Speed: 4-15mm/s

Stroke: 50-200mm

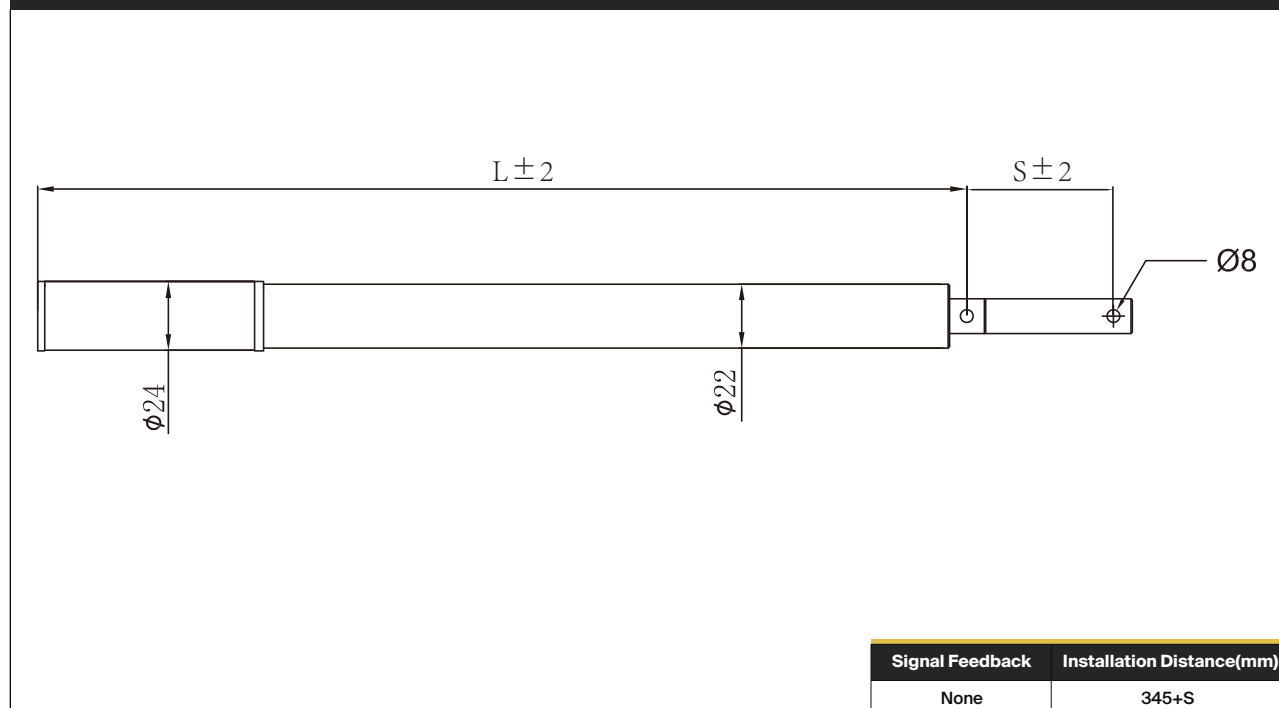
Input Voltage: 12 / 24VDC



TECHNICAL PARAMETERS

Transmission Code		A	B	C
Max Dynamic Thrust	N	150	100	40
Self-locking Thrust	N	195	100	40
No-load Speed	mm/s	4.0	10.0	15.0
Full Load Speed	mm/s	2.4	6.0	9.0
Input Voltage	VDC	12 / 24		
Standard Stroke	mm	50 to 200		
Ambient Temperature	°C	-20 to 60		
Noise	dB	≤60		
Color		Black		
Limit Switch		Built-in		
IP Rating		IP54		
Duty Cycle		10% (2 minutes of continuous work, 18 minutes of rest)		
Signal Feedback		None		

OUTLINE DRAWING



LW30 WINDOW OPENER TYPE

Max. Dynamic Thrust: 300N

No-load Speed: 4-20mm/s

Stroke: 10-600mm

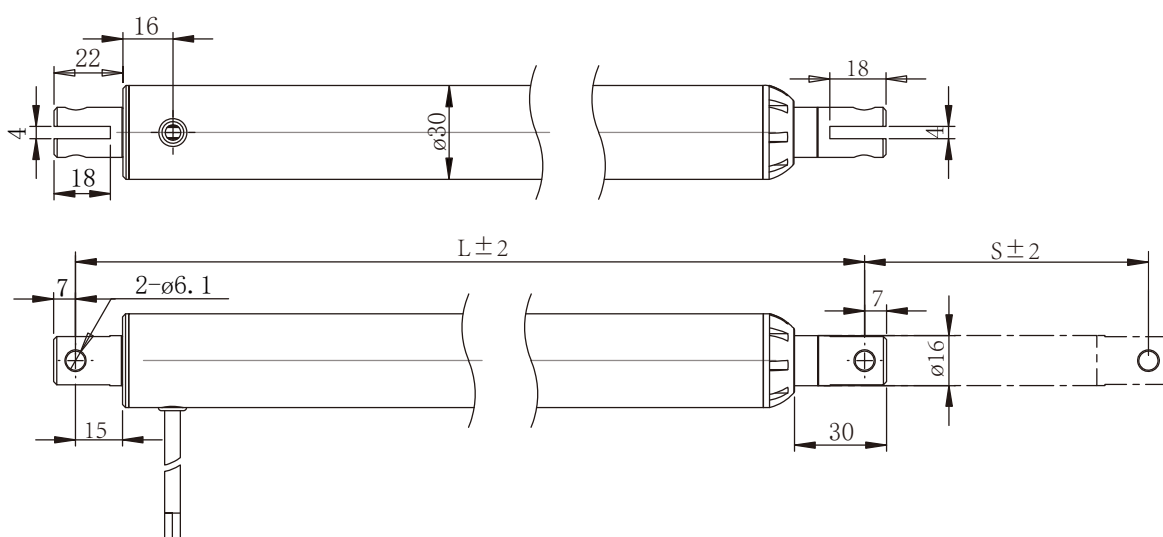
Input Voltage: 12 / 24VDC



TECHNICAL PARAMETERS

Transmission Code		A	B	C	D
Max Dynamic Thrust	N	300	200	120	70
Self-locking Thrust	N	300	200	120	70
No-load Speed	mm/s	4.0	6.0	12.0	20.0
Full Load Speed	mm/s	3.0	4.0	8.0	15.0
Input Voltage	VDC	12 / 24			
Standard Stroke	mm	10 to 600			
Ambient Temperature	°C	-25 to 65			
Noise	dB	≤65			
Color		Gray			
Limit Switch		Built-in			
IP Rating		IP65			
Duty Cycle		10% (2 minutes of continuous work, 18 minutes of rest)			
Signal Feedback		None or Hall			

OUTLINE DRAWING



Signal Feedback	Installation Distance(mm)
None	210+S
Hall	230+S

LW33 WINDOW OPENER TYPE

Max. Dynamic Thrust: 500N

No-load Speed: 4-25mm/s

Stroke: 10-600mm

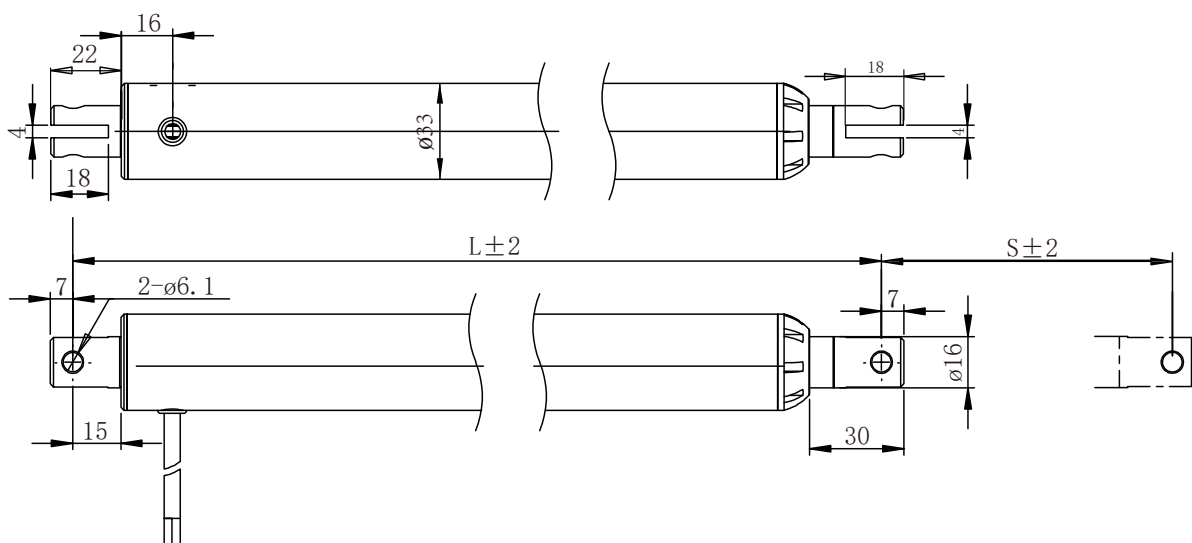
Input Voltage: 12 / 24VDC



TECHNICAL PARAMETERS

Transmission Code		A	B	C	D
Max Dynamic Thrust	N	500	400	300	200
Self-locking Thrust	N	500	400	300	200
No-load Speed	mm/s	4.0	8.0	12.0	25.0
Full Load Speed	mm/s	3.0	6.0	9.0	20.0
Input Voltage	VDC	12 / 24			
Standard Stroke	mm	10 to 600			
Ambient Temperature	°C	-25 to 65			
Noise	dB	≤65			
Color		Gray			
Limit Switch		Built-in			
IP Rating		IP65			
Duty Cycle		10% (2 minutes of continuous work, 18 minutes of rest)			
Signal Feedback		None or Hall			

OUTLINE DRAWING



Signal Feedback	Installation Distance(mm)
None	235+S
Hall	255+S

LW36 WINDOW OPENER TYPE

Max. Dynamic Thrust: 1,500N

No-load Speed: 5-15mm/s

Stroke: 50-1,500mm

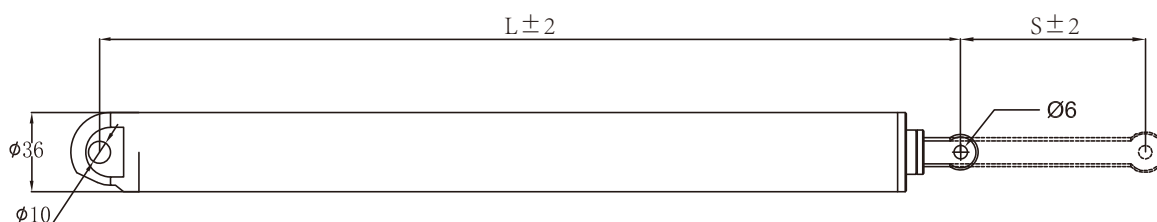
Input Voltage: 12 / 24VDC



TECHNICAL PARAMETERS

Transmission Code		A	B	C
Max Dynamic Thrust	N	1,500	1,000	500
Self-locking Thrust	N	2,000	1,300	650
No-load Speed	mm/s	5.0	10.0	15.0
Full Load Speed	mm/s	2.0	5.0	8.0
Input Voltage	VDC	12 / 24		
Standard Stroke	mm	50 to 1,500		
Ambient Temperature	°C	-20 to 60		
Noise	dB	≤60		
Color		Black		
Limit Switch		Built-in		
IP Rating		IP66		
Duty Cycle		10% (2 minutes of continuous work, 18 minutes of rest)		
Signal Feedback		None		

OUTLINE DRAWING



Signal Feedback	Installation Distance(mm)
None	295+S

LW45 WINDOW OPENER TYPE

Max. Dynamic Thrust: 3,000N

No-load Speed: 4-24mm/s

Stroke: 10-600mm

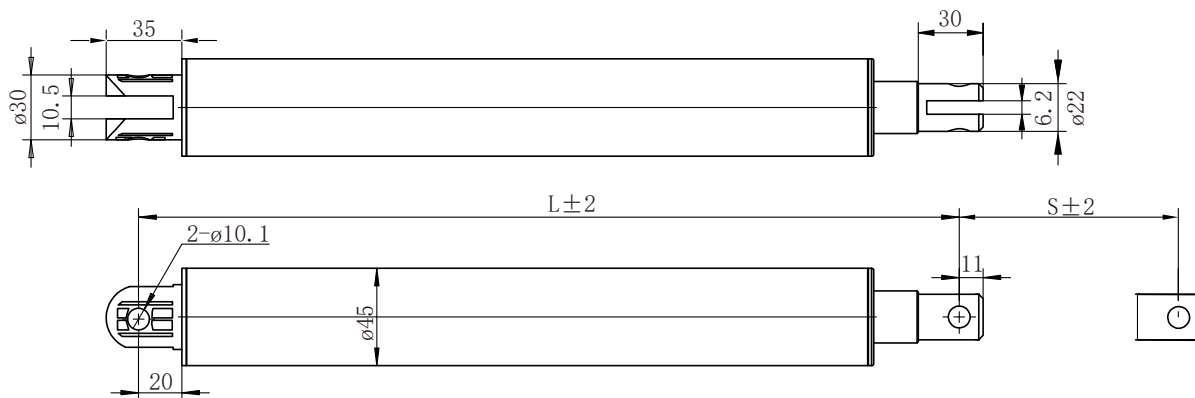
Input Voltage: 12 / 24VDC



TECHNICAL PARAMETERS

Transmission Code		A	B	C	D
Max Dynamic Thrust	N	3,000	2,000	1,000	500
Self-locking Thrust	N	3,000	2,000	1,000	500
No-load Speed	mm/s	4.0	7.5	16.0	24.0
Full Load Speed	mm/s	2.0	4.0	10.0	18.0
Input Voltage	VDC	12 / 24			
Standard Stroke	mm	10 to 600			
Ambient Temperature	°C	-25 to 65			
Noise	dB	≤65			
Color		Gray			
Limit Switch		Built-in			
IP Rating		IP65			
Duty Cycle		10% (2 minutes of continuous work, 18 minutes of rest)			
Signal Feedback		None or Hall			

OUTLINE DRAWING



Signal Feedback	Installation Distance(mm)
None	270+S
Hall	290+S

LW46 WINDOW OPENER TYPE

Max. Dynamic Thrust: 400N

No-load Speed: 8-14mm/s

Stroke: 100-1,500mm

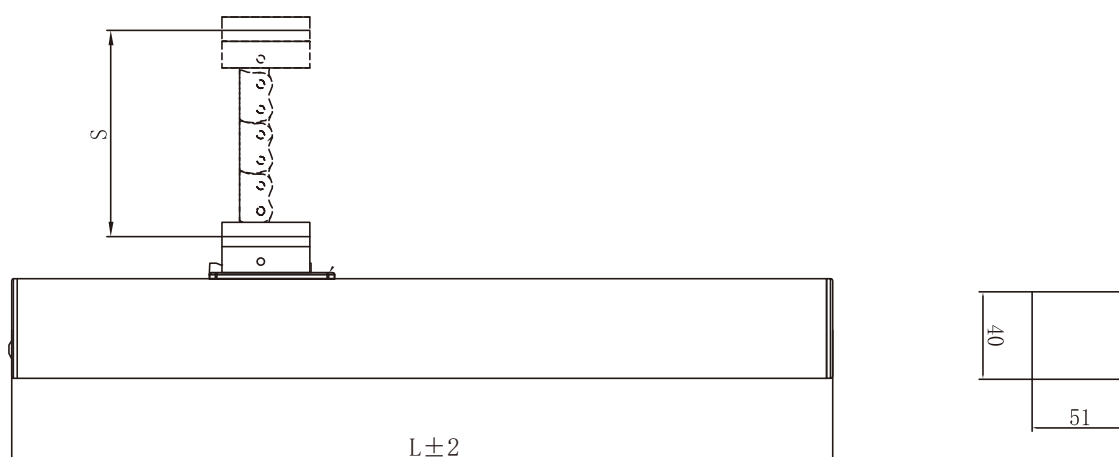
Input Voltage: 24 / 220VDC



TECHNICAL PARAMETERS

Transmission Code		A	B
Max Dynamic Thrust	N	400	200
Self-locking Thrust	N	600	400
No-load Speed	mm/s	14.0	8.0
Full Load Speed	mm/s	4.0	6.0
Input Voltage	VDC	24 / 220	
Standard Stroke	mm	100 to 1,500	
Ambient Temperature	°C	-20 to 60	
Noise	dB	≤60	
Color		Black	
Limit Switch		Built-in	
IP Rating		IP54	
Duty Cycle		10% (2 minutes of continuous work, 18 minutes of rest)	
Signal Feedback		None	

OUTLINE DRAWING



Signal Feedback	Installation Distance(mm)
None	265+S/2



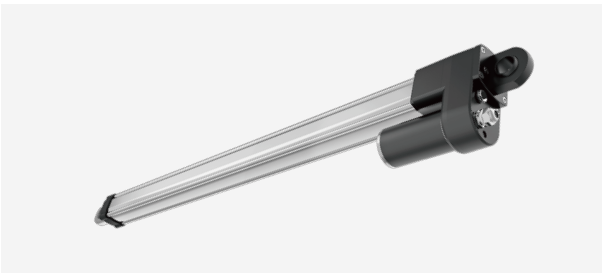
LS SERIES

SOLAR TRACKER TYPE LINEAR ACTUATOR

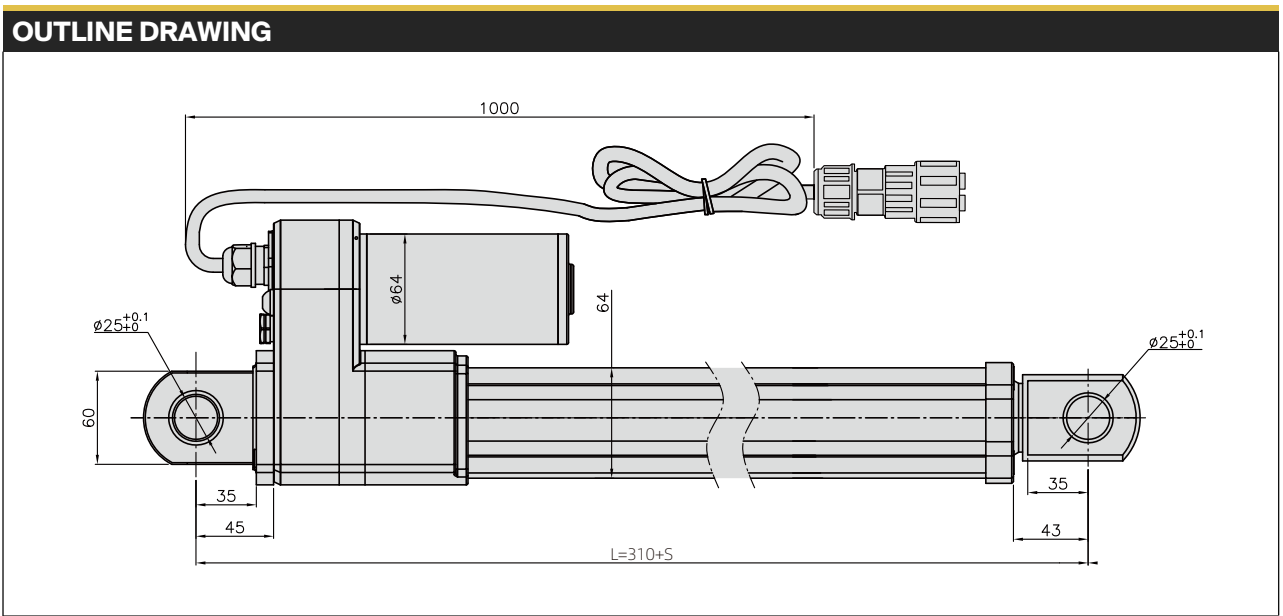
Solar tracker actuators are a type of electric linear actuator powered by solar photovoltaics. It perfectly combines solar clean energy, intelligent control technology and traditional mechanical actuators. It is mainly used in the field of photovoltaic thermal power generation, with the characteristics of automatic intelligent control, wireless convenience, and low maintenance.

LS312 SOLAR TRACKER TYPE

Max. Dynamic Thrust: 35 ,000N
No-load Speed: 1.7±10%mm/s
Stroke: 100-1,200mm
Input Voltage: 24 VDC



TECHNICAL PARAMETERS		
Voltage	VDC	24
Power	W	156
Rated Load	N	20,000
Maximum Load	N	35,000
Half Stroke Static Load	N	70,000
No-load Current	A	≤1.2
Rated Load Speed	mm/s	1.3±10%
No-load Speed	mm/s	1.7±10%
Ambient Temperature	°C	-40-+65
Relative Humidity	%	<85 C
Standard Stroke	mm	100 to 1,200 (customizable)
IP Rating	IP	IP66
Highest Altitude	m	3,500
Noise Level	dB	85
Fixed Load Pulling Current	A	≤6.0
Rated Load Thrust Current	A	≤6.5
Limit Switch		Built-in



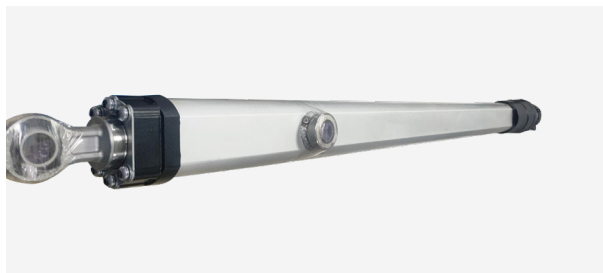
LS320 SOLAR TRACKER TYPE

Max. Dynamic Thrust: 46,000N

No-load Speed: 1.65±10%

Stroke: 993.5±2mm

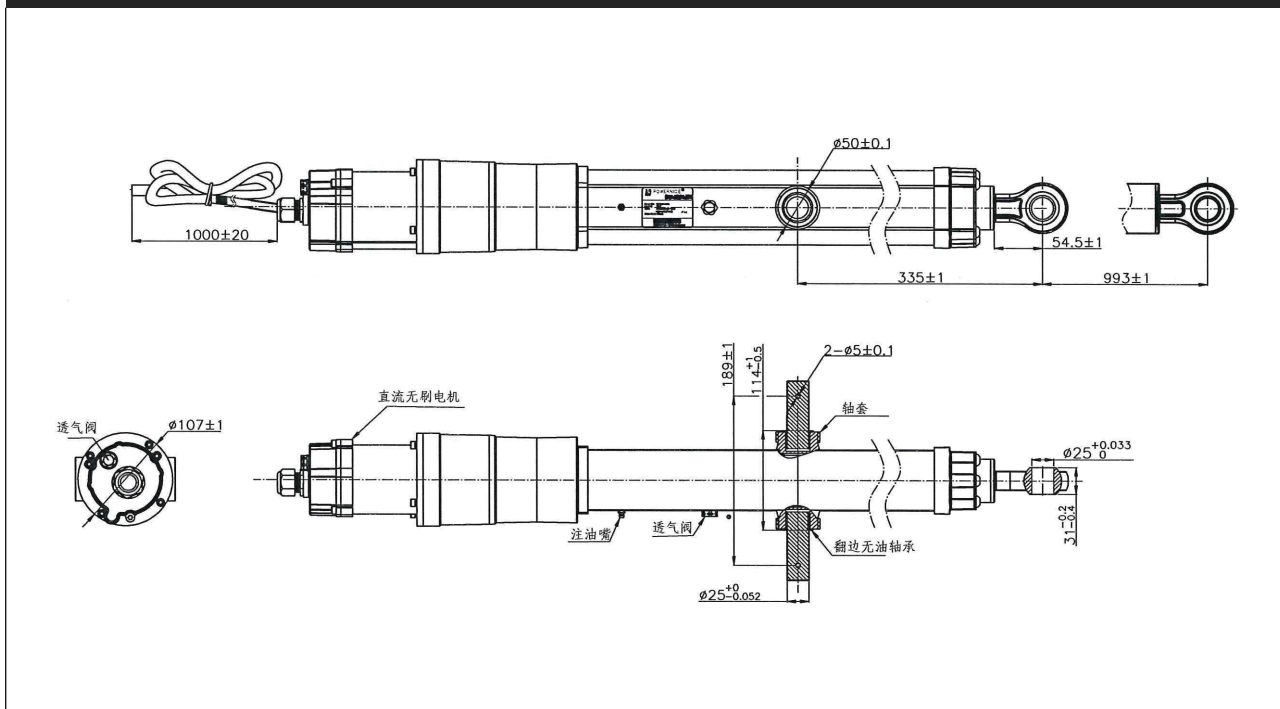
Input Voltage: 24 VDC



TECHNICAL PARAMETERS

Voltage	VDC	24
Rated Load	N	32,000
Maximum Load	N	46,000
Full-stroke Static Load	N	46,000
No-load Speed	mm/s	1.65±10%
Load Speed	mm/s	1.3±10%
Stroke	mm	993.5±2
Load Current	A	≤7.5
Signal Type	Dual Hall signal	
Relative Humidity	< 90%	
Ambient Temperature	-30 C ~ +65 C	
IP Rating	IP65	
Corrosion Protection Rating	C3-15Years (ISO12944-2)	
Limit Switch	Built-in	

OUTLINE DRAWING



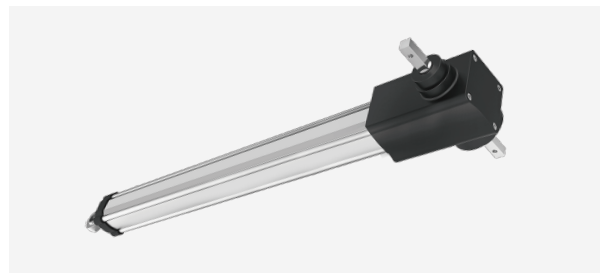
LS412 SOLAR TRACKER TYPE

Max. Dynamic Thrust: 40,000N

No-load Speed: 0.8mm/s

Stroke: 100-1,200mm

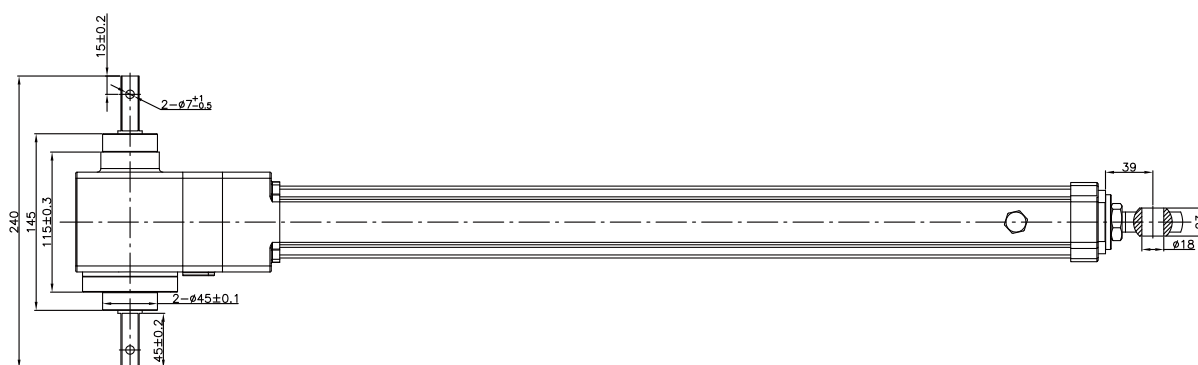
Input Voltage: 24 VDC



TECHNICAL PARAMETERS

Voltage	VDC	24
Power	W	156
Rated Load	N	20,000
Maximum Load	N	40,000
Half Stroke Static Load	N	60,000
No-load Speed	mm/s	0.8mm/s (customizable)
Ambient Temperature	°C	-40 to +65
Relative Humidity	%	< 85
Standard Stroke	mm	100 to 1200 (customizable)
Ip Rating	IP	IP66
Highest Altitude	m	3500
Noise Level	dB	85
Limit Switch		Built-in

OUTLINE DRAWING



LS512 SOLAR TRACKER TYPE

Max. Dynamic Thrust: 50,000N

No-load Speed: 1.54±10%mm/s

Stroke: 100-1,200mm

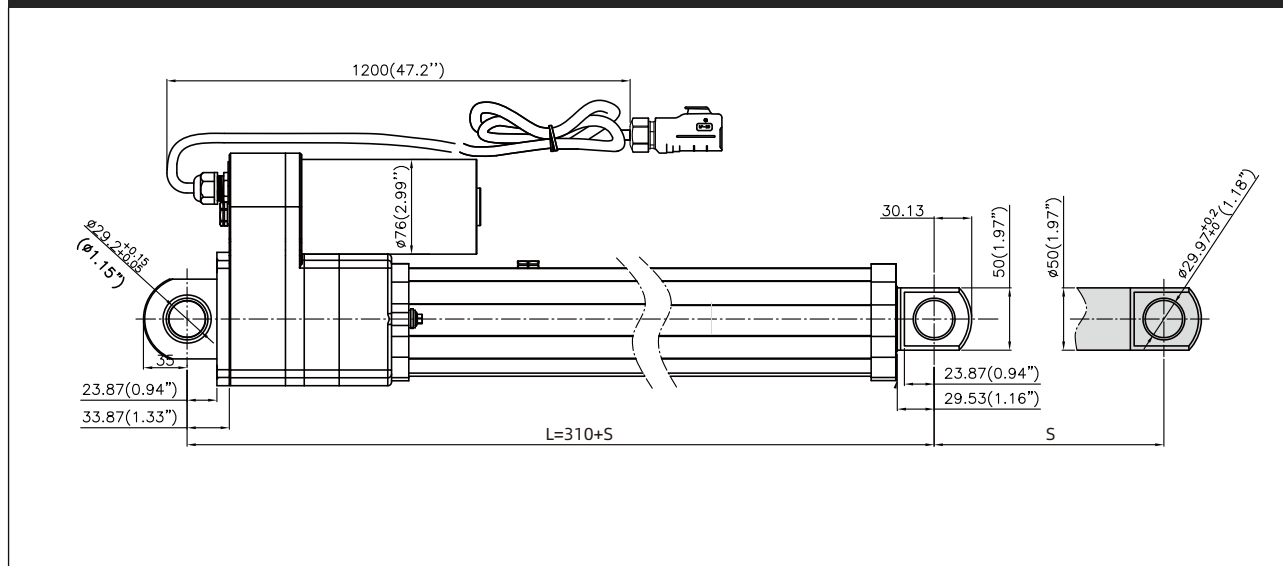
Input Voltage: 24 VDC



TECHNICAL PARAMETERS

Voltage	VDC	24
Power	W	220
Rated Load	N	31,000
Maximum Load	N	50,000
Half Stroke Static Load	N	110,000
No-load Current	A	≤1.8
Rated Load Speed	mm/s	1.2±10%
No-load Speed	mm/s	1.54±10%
Ambient Temperature	°C	-40 to 65
Relative Humidity	°C	< 85
Standard Stroke	mm	150 to 1200 (customizable)
IP Rating	IP	IP66
Highest Altitude	m	3500
Noise Level	dB	85
Fixed Load Pulling Current	A	≤9.0
Rated Load Thrust Current	A	≤9.2
Limit Switch		Built-in

OUTLINE DRAWING



CUSTOMIZATION



FRONT END CONNECTORS

01	02	03	04	05

REAR END CONNECTORS

01	02	03	04	05

MOUNTING BRACKET

U Type	H Type



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