

HD24B017-1000SY23FFSD



Actuator, Electrak HD, 24 Vdc, Dynamic Load: ball screw, 1.7 kN (382 lbs), Max Stroke Length: 1000 mm, Control: Synchronous Control, 5.0 m long cables with flying leads

Lead Time: 5 Weeks*

1 314,54 € each**

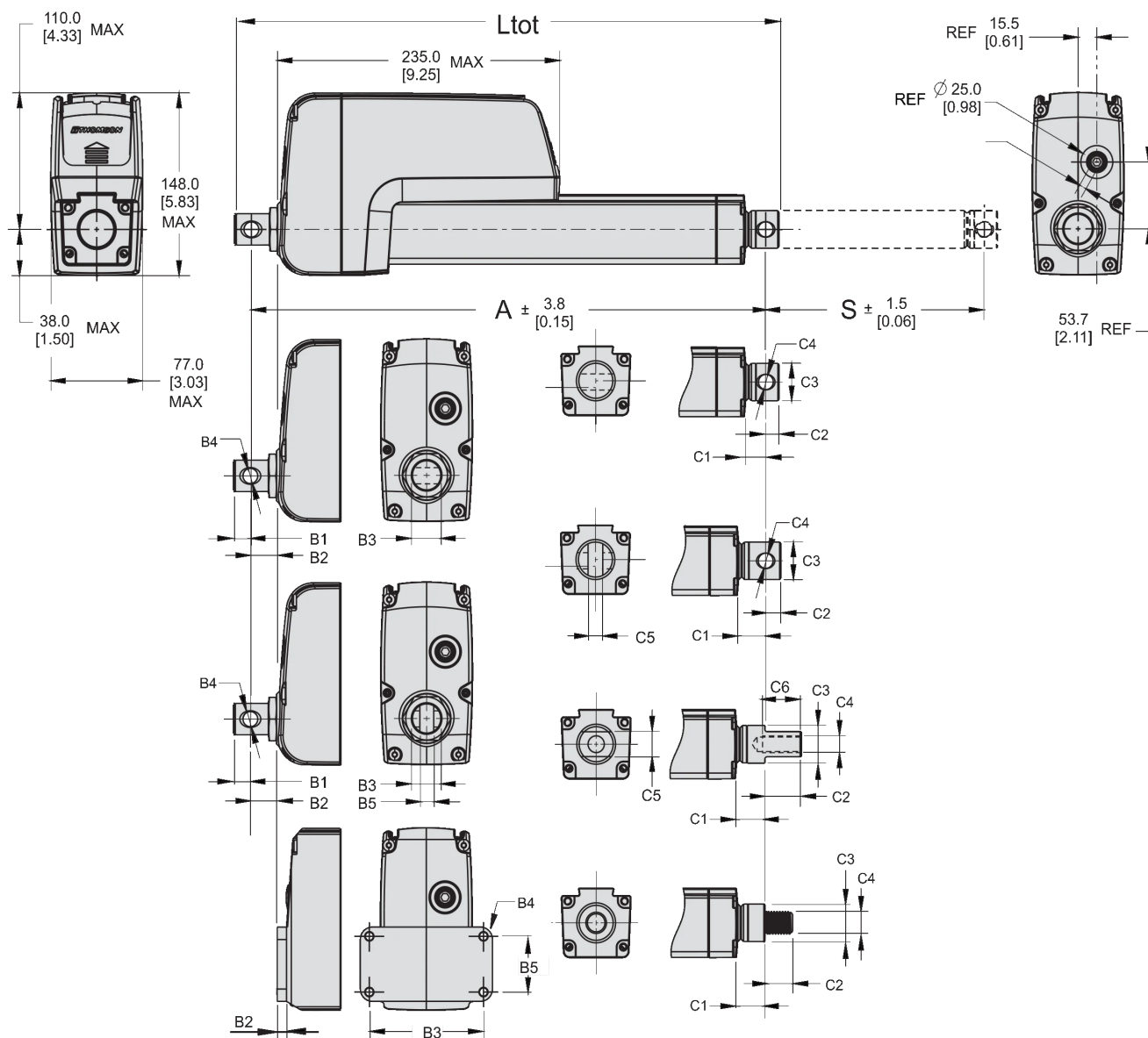
AVAILABLE TO BUY ONLINE

*Lead times may increase with higher quantities. Lead time displayed in business days.

**Costs associated with shipping, packaging, import taxes/duty, and surcharges not included.

- Electrak® HD – Superior Performance Linear Actuator Higher Power, Longer Stroke, On-board Controls. Available with optional J1939 CAN bus/CANOpen and Unmatched Environmental Protection
- Unrivaled Environmental Protection. IP69K (static), IP67 (static) and IP66 (dynamic) ratings prove Electrak HD can withstand the harshest environments.
- Salt spray tested for 500 hours.
- RoHS and REACH (EU) certified. CE compliant.
- Integrated manual override.
- Standard anti-rotation actuation.
- Integrated thermal overload protection.
- 25% Duty Cycle @ 25 degrees C

Dimensions



Dimension	Value
A	1,199.0 mm (47.205 in)
B1	13.4 mm (0.528 in)
B2	21.6 mm (0.850 in)
B3	25.4 mm (1.000 in)
B4	12.8 mm (0.504 in)
B5	8.2 mm (0.323 in)
C1	26.5 mm (1.043 in)
C2	12.9 mm (0.508 in)
C3	30.2 mm (1.189 in)
C5	8.2 mm (0.323 in)
S	1,000.0 mm (39.370 in)

Specifications

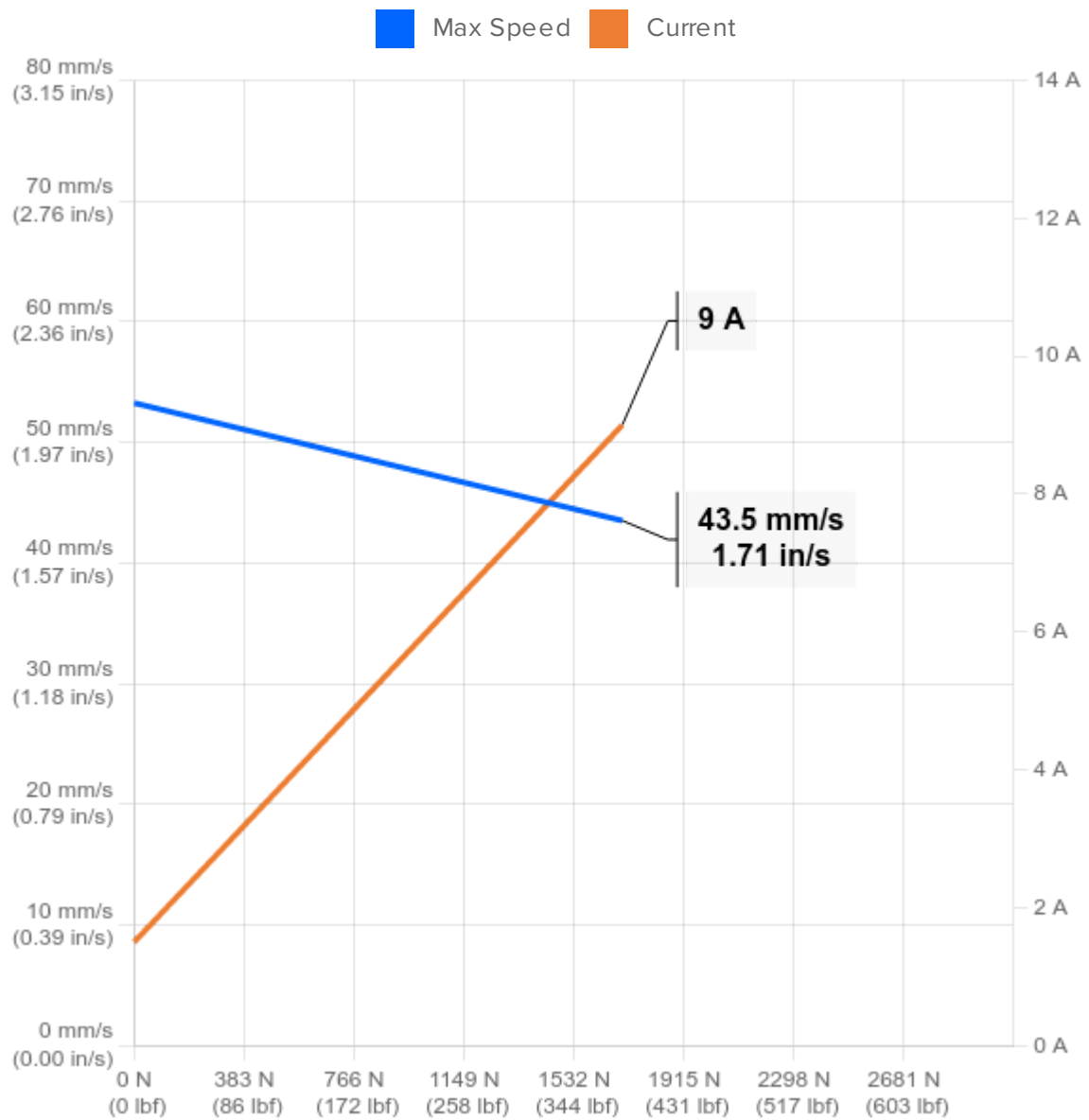
Specifications	Value
Anti-Rotation	Yes

Specifications	Value
Brake	Yes
Cable Length	5,000.000 mm / 196.850 in
Certifications	CE
Special Connector	Flying Leads
End Play, Max	1.200 mm / 0.047 in
IP Rating, Dynamic	66
IP Rating, Static	66, 67, 69K
Manual Override	Yes
Material	Zinc alloy, Aluminum, Stainless Steel
Nominal Stroke	1,000.00 mm / 39.37 in
Protection, End of Stroke	Potentiometer output limits
Protection, Mid Stroke	Electronic Load Monitoring
Screw Type	Ball
Temperature Max	85 °C / 185 °F
Temperature Min	-40 °C / -40 °F
Temperature Monitoring	Yes
Voltage	24 Vdc
Voltage Tolerance	18-32 VDC
Maximum Current Draw	9.0 amp
Weight	11.000 kg / 24.251 lbs
Integrated Motor Control	Yes
Electronic Load Monitoring	Yes
Control	Low Level Switching
Feedback	None
Serialized	No
Smart Actuation	No
Stroke Tolerance	1.200 mm / 0.047 in
Contains Liquids	No
Returnable	No
Warranty	12 Months
Install Manual Link	https://www.thomsonlinear.com/downloads/actuators/Electrak_HD_Installation_Operation_mnen.pdf

Performance

Performance	Value
Duty Cycle	25%
Load, Dynamic	1,700 N / 382 lbf
Load, Static	18,000 N / 4,047 lbf
Salt Spray Resistance	500 hours
Max Speed	53.25 mm/s / 2.10 in/s
Min Speed	43.50 mm/s / 1.71 in/s

Max Speed and Current vs Load



Order Code

Ordering Key

1	2	3	4	5	6	7	8	9
HD12	B026-	0300	LXX	2	M	M	S	D

1. Model and input voltage

HD12 = Electrak HD, 12 Vdc

HD24 = Electrak HD, 24 Vdc

2. Screw type, dynamic load capacity

B017- = ball screw, 1.7 kN (382 lbf)

B026- = ball screw, 2.6 kN (585 lbf)

B045- = ball screw, 4.5 kN (1012 lbf)

B068- = ball screw, 6.8 kN (1529 lbf)

B100- = ball screw, 10 kN (2248 lbf)

B160- = ball screw, 16 kN (3584 lbf)

3. Ordering stroke length ^{(1) (2)}

0050 = 50 mm ⁽³⁾

0100 = 100 mm

0150 = 150 mm

0200 = 200 mm

0250 = 250 mm

0300 = 300 mm

0350 = 350 mm

0400 = 400 mm

0450 = 450 mm

0500 = 500 mm

0550 = 550 mm

0600 = 600 mm

0650 = 650 mm

0700 = 700 mm

0750 = 750 mm

0800 = 800 mm

0850 = 850 mm

0900 = 900 mm

0950 = 950 mm

1000 = 1000 mm

4. Electrak Modular Control System options

EXX = Electronic Monitoring Package only

ELX = EXX + end-of-stroke indication output

EXP = EXX + analog (potentiometer) position output

EXD = EXX + digital position output

ELP = ELX + analog (potentiometer) position output

ELD = ELX + digital position output

LXX = EXX + low-level signal motor switching

LLX = EXX + LXX + end-of-stroke indication output

LXP = EXX + LXX + analog (potentiometer) position output

CNO = SAE J1939 CAN bus + open-loop speed control

COO = CANopen CAN bus + open-loop speed control

SYN = LXX + synchronization option

5. Cable length

1 = 0.3 m long cables

2 = 1.5 m long cables

3 = 5.0 m long cables

6. Rear adapter/mounting flange options

A = rear mounting flange ^{(4) (5)}

M = cross hole for 12 mm pin

E = cross hole for ½ inch pin

N = forked cross hole for 12 mm pin

F = forked cross hole for ½ inch pin

7. Front adapter options

A = metric M16 male thread

M = cross hole for 12 mm pin

E = cross hole for ½ inch pin

N = forked cross hole for 12 mm pin

F = forked cross hole for ½ inch pin

P = metric M12 female thread

G = inch 1/2-20 UNF-2B female thread

8. Adapter orientation

S = standard

M = 90 ° turned

9. Connection options

D = flying leads

(1) Other stroke lengths available upon request. Please contact customer support.

(2) 500 mm is the max. stroke length for 16 kN units.

(3) 50 mm stroke units will have same retracted length and envelope size as a 100 mm unit.

(4) Max. ordering stroke for the rear mounting flange type A is 300 mm.

(5) Max. dynamic load capacity for the rear mounting flange type A is 10 kN.