

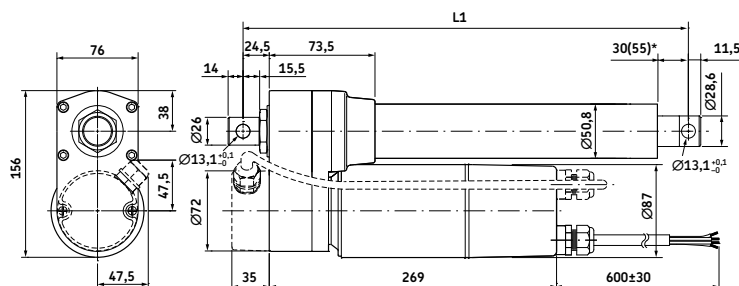
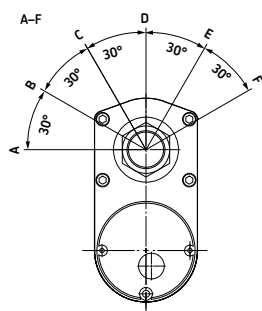
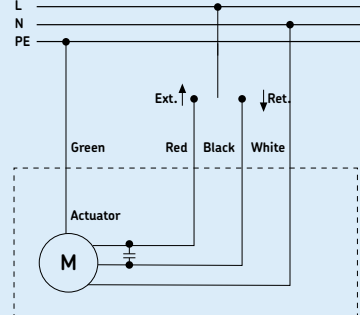
Linear actuator

CAHB-30 series

Benefits

- ACME screw drive
- Extension tube (stainless steel)
- Protection tube (steel)
- Enhanced corrosion resistance
- Mechanical overload protection (clutch)
- Lubricated for service life
- Robust, designed for tough environment
- Self-locking
- Motor with thermal protection





Legend:
L1 = retracted length
* 55 = dimension with limit switch

	With limit switch ¹⁾						Without limit switch ²⁾					
Stroke (mm)	102	153	204	305	457	610	102	153	204	305	457	610
L1 Retracted length	440	440	440	592	744	897	380	415	415	465	668	821

1) Tolerance: S and L1 = $\pm 5,0$ mm (If $S \geq 305$ mm, S = $\pm 7,5$ mm)

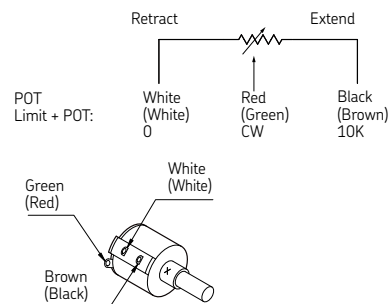
2) Tolerance: $S = \pm 2,5 \text{ mm}$ and $L1 = \pm 3,8 \text{ mm}$

Technical data

		Unit	CAHB-30... 1	CAHB-30... 2
Push load		N	1 500	2 300
Pull load		N	1 500	2 300
Speed (full load to no load)	115 VAC/60 Hz	mm/s	25 to 26	12 to 13
	230 VAC/50 Hz	mm/s	21 to 22	11 to 12
Stroke		mm	102 to 610	102 to 610
Retracted length		mm	—*	—*
Voltage		V AC	115 or 230	115 or 230
Power consumption		W	N/A	N/A
Current consumption	115 VAC/60 Hz	A	2,3	1,8
	230 VAC/50 Hz	A	1,35	1,4
Duty cycle		%	25	25
Ambient temperature		°C	–26 to +65	–26 to +65
Type of protection		IP	65	65
Weight (at 305 mm stroke)		kg	9	9
Color		—	Black	Black

* See above table
For outdoors application, please contact SKF.

Current-load diagram



	With limit switch ¹⁾						Without limit switch ²⁾					
Stroke (mm)	102	153	204	305	457	610	102	153	204	305	457	610
L2 Retracted length	478	478	478	630	782	935	418	453	453	503	706	859

¹⁾ Tolerance: S and L2 = $\pm 5,0$ mm (If $S \geq 305$ mm, S = $\pm 7,5$ mm)

2) Tolerance: $S = \pm 2,5 \text{ mm}$ and $L2 = \pm 3,8 \text{ mm}$

Stroke (mm)	102	153	204	305	457	610
Ohm/mm	59,0	59,0	29,5	29,5	9,84	9,84

Ordering key

CAHB-30-□□A-□□□□-A□□□□0-000

Type

Voltage:

115 V AC
230 V AC

N
P

Load:

1 500 N
2 300 N

1
2

Screw:

Acme screw

A

Stroke:

102 mm
153 mm
204 mm
305 mm
457 mm
610 mm

102
153
204
305
457
610

Retracted length:

Stroke

with L.S.¹⁾

102 mm
153 mm
204 mm
305 mm
457 mm
610 mm

w/o POT²⁾

440 mm
440 mm
440 mm
592 mm
744 mm
897 mm

with POT²⁾

478 mm
478 mm
478 mm
630 mm
782 mm
935 mm

w/o L.S.¹⁾

102 mm
153 mm
204 mm
305 mm
457 mm
610 mm

380 mm
415 mm
415 mm
465 mm
668 mm
821 mm

418 mm
453 mm
453 mm
503 mm
706 mm
859 mm

IP:

Standard (IP 65)

A

Front attachment:

Standard (hole: Ø 13,1 mm)
Customized

A
X

Rear attachment:

Standard (0° and hole: Ø 13,1 mm)

30°

60°

90°

120°

150°

Customized

A
B
C
D
E
F
X

Option 1:

None

Limit switch (only for load version 2 300 N)

0
L

Option 2:

None

Potentiometer

0
P

¹⁾ L.S. = Limit switch

²⁾ POT = Potentiometer

