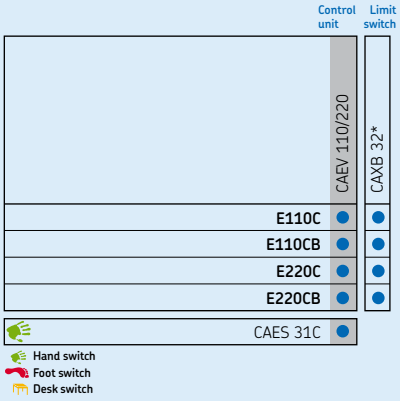
Linear actuator

CAR 32

Benefits

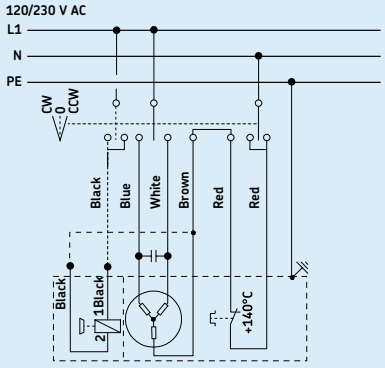
- Industrial reliable and robust actuator
- Wide range of components
- Right- and left-hand version

Suitable control units and accessories

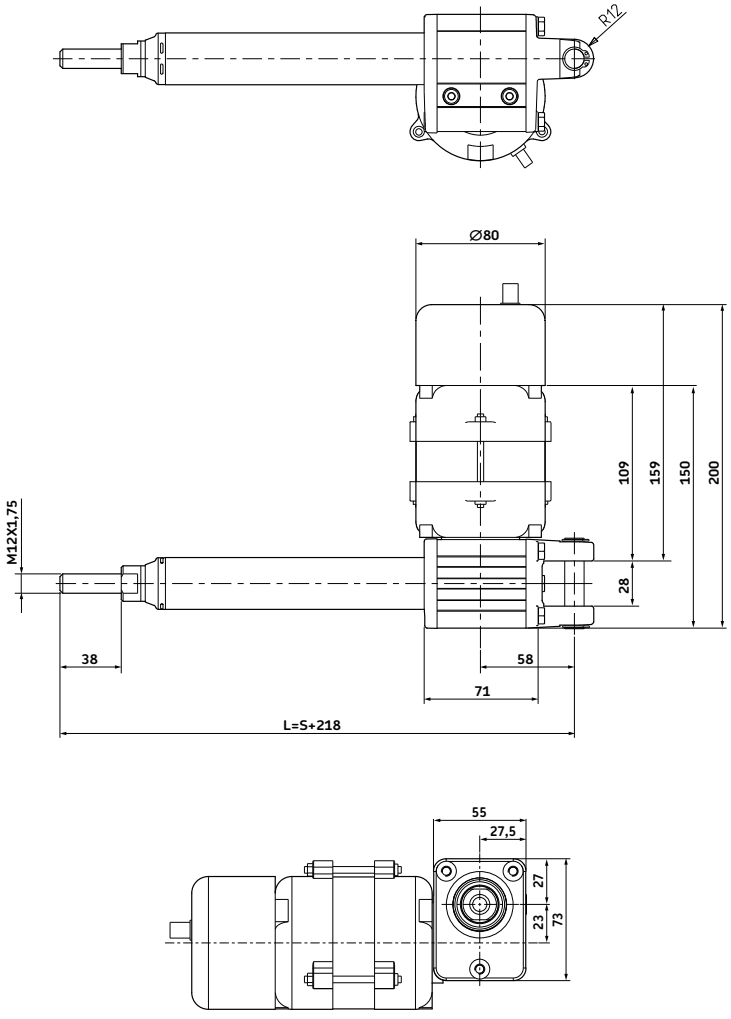


* See page 379

Connecting diagram – AC version



Dimensional drawing – AC version



Legend:
S = stroke
L = retracted length

Technical data

		Unit	CAR 32 – AC version
Rated push load		N	1 500 to 3 500
Rated pull load		N	1 500 to 3 500
Speed (at full load)		mm/s	6 to 32*
Stroke		mm	50 to 700
Retracted length		mm	S + 218
Voltage		V AC	120 or 230
Power consumption	120 V AC	W	98 (brake 133,2 W)
	230 V AC	W	92 (brake 117,3 W)
Current consumption	120 V AC	A	0,82 (brake +0,29 A)
	230 V AC	A	0,4 (brake + 0,11 A)
Duty cycle		%	30
Ambient temperature		°C	–20 to +70
Type of protection		IP	20/54
Weight		kg	2,1 to 3,7

* Depending on selected motor

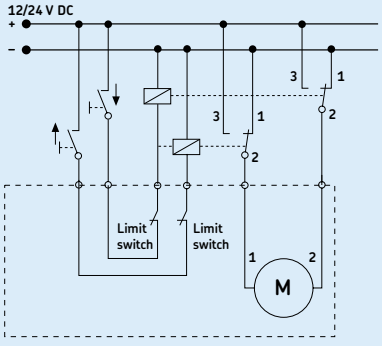
Suitable control units and accessories

	Control units		Limit switch
	CAED 5-24R	CAED 9-24R	CAXB 32*
D12C			●
D24C		●	●
D24CW	●		●
D24CS		●	●
D24CB			●
CAES 31C	●	●	

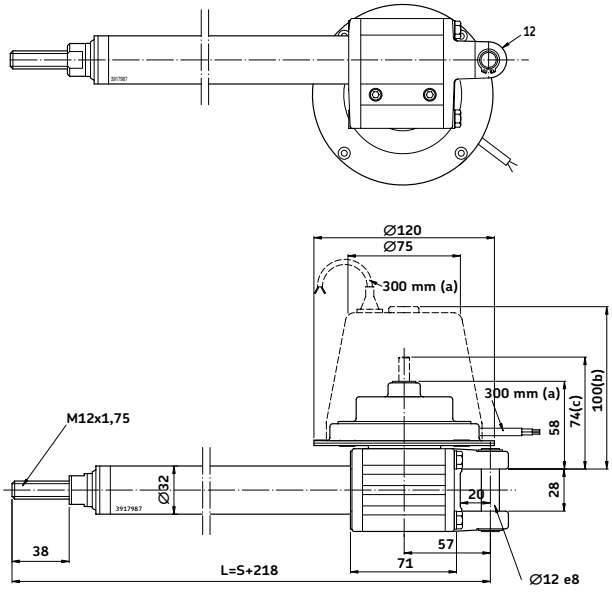
Hand switch
Foot switch
Desk switch

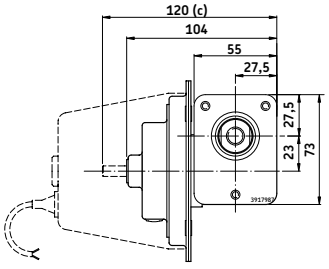
* See page 379

Connecting diagram – DC version



Dimensional drawing – DC version



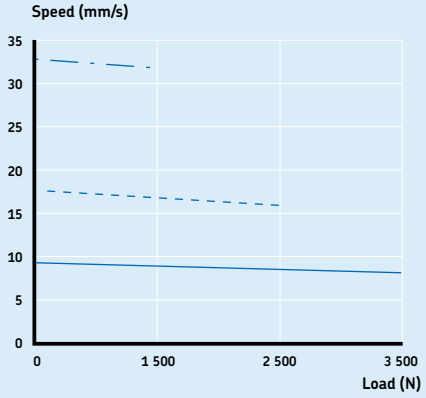


Legend:
S = stroke
L = retracted length
(a) = cable length
(b) = cover for brake (D24CB)
(c) = extended shaft (D24CS)

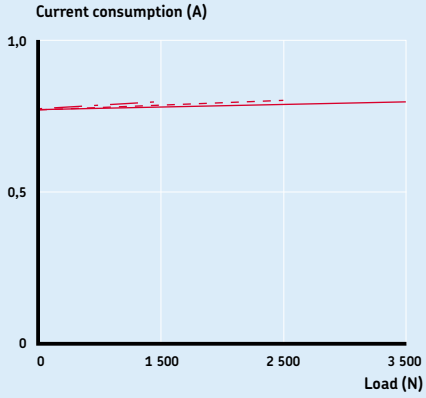
Technical data

		Unit	CAR 32 – DC version
Rated push load		N	1 000 to 3 500
Rated pull load		N	1 000 to 3 500
Speed (full load to no load)		mm/s	5 to 60
Stroke		mm	50 to 700
Retracted length		mm	S+ 218
Voltage		V DC	12 or 24
Power consumption		W	N/A
Current consumption	12 V DC	A	13
	24 V DC	A	8
	24 V DC	A	5 (for motor D24CW)
Duty cycle		%	25
Ambient temperature		°C	–20 to +70
Type of protection		IP	20/44
Weight		kg	2,1 to 3,7

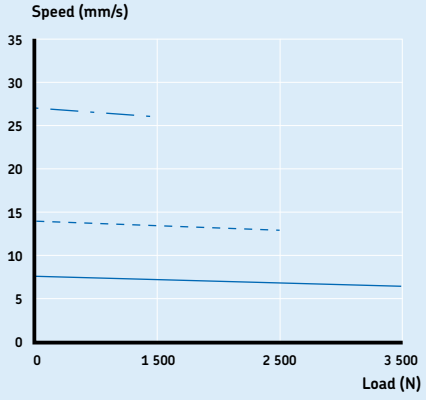
Performance diagrams – AC version



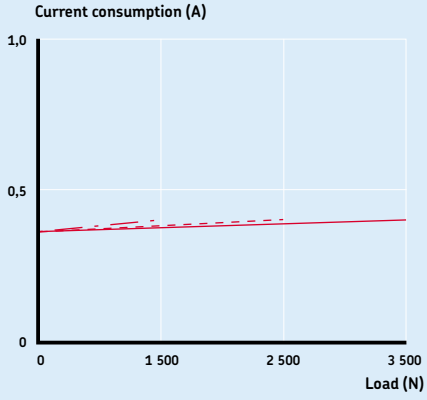
Speed-load diagram CAR 32 ... 120 V AC



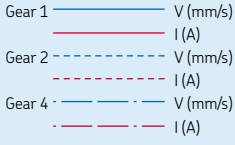
Current-load diagram CAR 32 ... 120 V AC



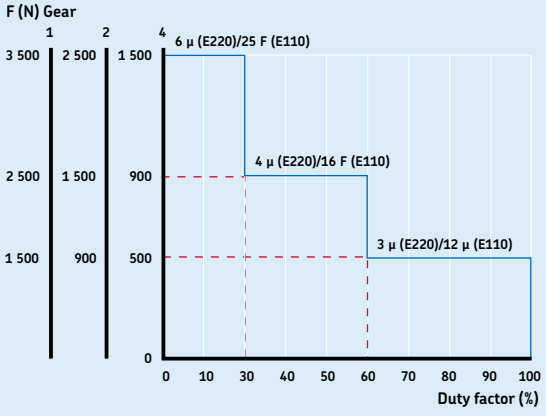
Speed-load diagram CAR 32 ... 230 V AC



Current-load diagram CAR 32 ... 230 V AC

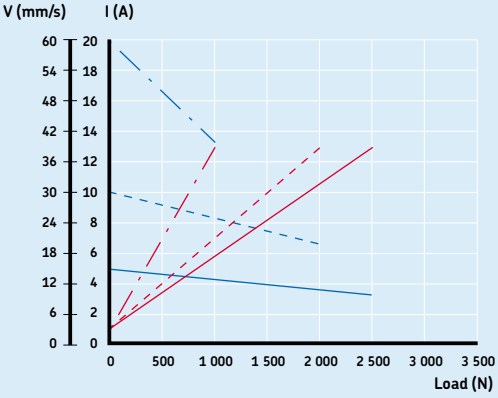


Duty cycle

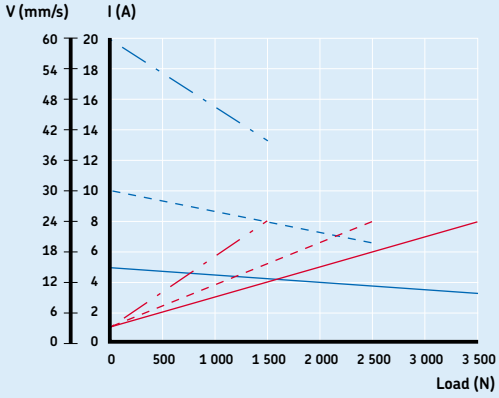


CAR 32 ... 230/120 V AC

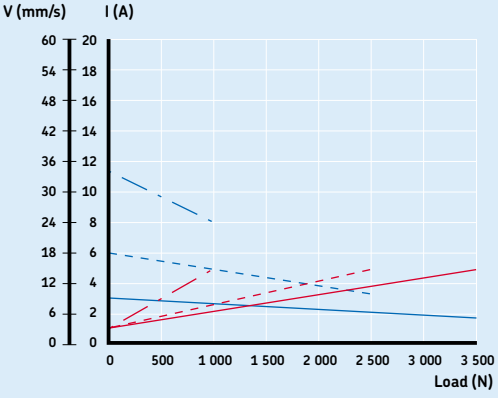
Performance diagrams – DC version



CAR 32.../D12C

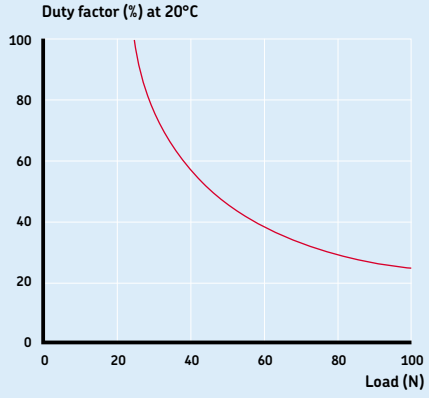


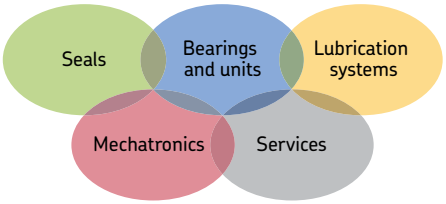
CAR 32.../D24C/D24CS/D24CB



CAR 32.../D24CW

Duty cycle





The Power of Knowledge Engineering

Drawing on five areas of competence and application-specific expertise amassed over more than 100 years, SKF brings innovative solutions to OEMs and production facilities in every major industry worldwide. These five competence areas include bearings and units, seals, lubrication systems, mechatronics (combining mechanics and electronics into intelligent systems), and a wide range of services, from 3-D computer modelling to advanced condition monitoring and reliability and asset management systems. A global presence provides SKF customers uniform quality standards and worldwide product availability.

Ordering key

Dynamic load (N) / Speed (mm/s)			Motor options	
3 500/xx	2 500/xx	1 500/xx	No motor	0000
3 500/8	2 500/16	1 500/32	120 V AC/60 Hz, 1-phase, IP54	E110C
3 500/8	2 500/16	1 500/32	120 V AC/60 Hz, 1-phase, brake, IP20	E110CB
3 500/6	2 500/13	1 500/26	230 V AC/50 Hz, 1-phase, IP54	E220C
3 500/6	2 500/13	1 500/26	230 V AC/50 Hz, 1-phase, brake, IP20	E220CB
3 500/xx	2 500/xx	1 500/xx	No motor	0000
2 500/15–10	2 000/30–20	1 000/60–40	12 V DC, flat motor, IP44	D12C
3 500/15–10	2 500/30–20	1 500/60–40	24 V DC, flat motor, IP44	D24C
3 500/9–5	2 500/18–10	1 500/34–24	24 V DC, flat motor, low speed, IP44	D24CW
3 500/15–10	2 500/30–20	1 500/60–40	24 V DC, flat motor, extended shaft, IP44	D24CS
3 500/15–10	2 500/30–20	1 500/60–40	24 V DC, flat motor, brake, IP20	D24CB
1	**2**	**4**		

C A R ☐ 3 2 X ☐ ☐ ☐ X ☐ ☐ / ☐ ☐ ☐ ☐ ☐ ☐

Type

Motor assembly:

Right	R
Left	L

Stroke (S):

50 mm	050
100 mm	100
200 mm	200
300 mm	300
500 mm	500
700 mm	700
Other stroke lengths	---

Option:

Friction clutch	F
Back-up nut	S

Options shown in italics are only available on demand. Contact SKF for more information on minimum quantities and additional costs.

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