

Linear actuator




CAT 21B




Benefits

- Compact design (efficient and cost effective)
- Ball screw technology
- High operating reliability
- Low energy consumption
- Lubricated for service life
- Corrosion resistant
- Silent operation
- Range of front and rear attachments

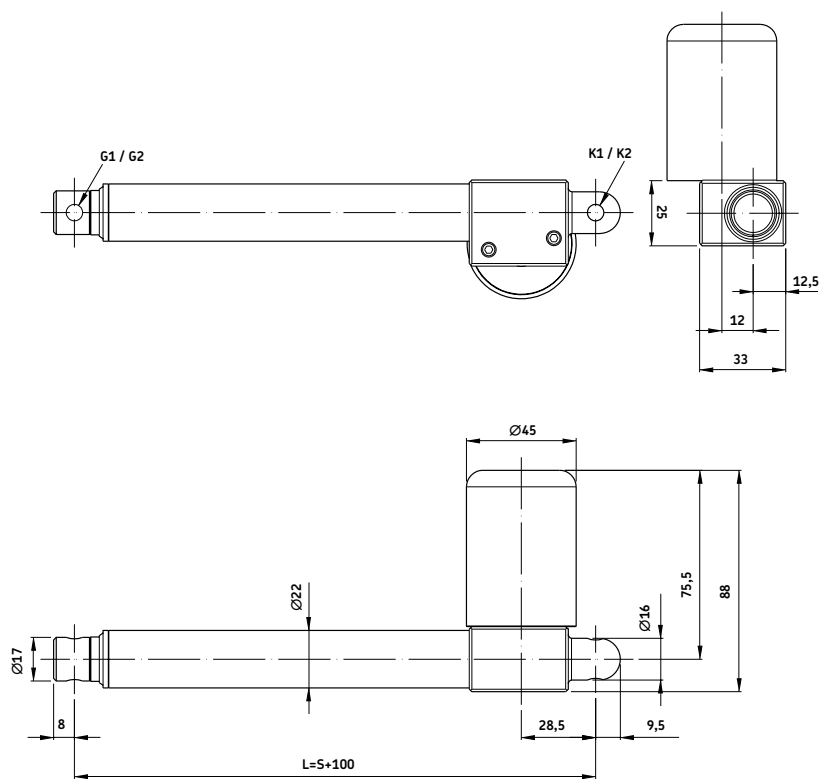


Suitable control units and accessories

		Control units				
		VCU 5	VCU 8	VCU 9	BCU 5	BCU 8
CAT 21B		•	•	•	•	•
	EHA3	•	•	•	•	•
	STJ	•	•	•	•	•
	STE	•	•	•	•	•

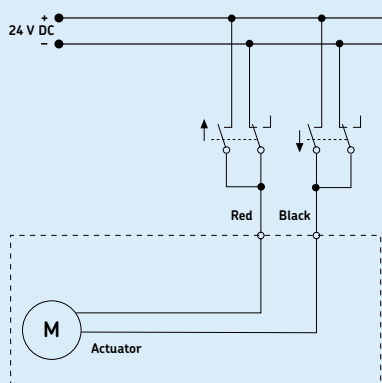
 Hand switch
 Foot switch
 Desk switch

Dimensional drawing



Legend:
 S = stroke
 L = retracted length

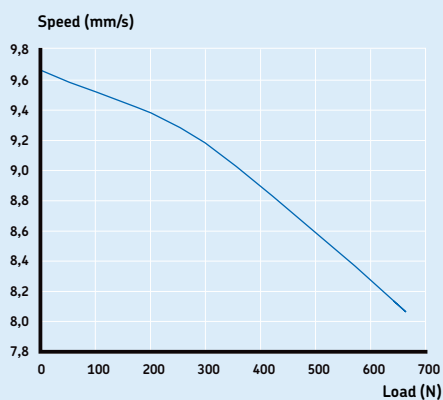
Connecting diagram



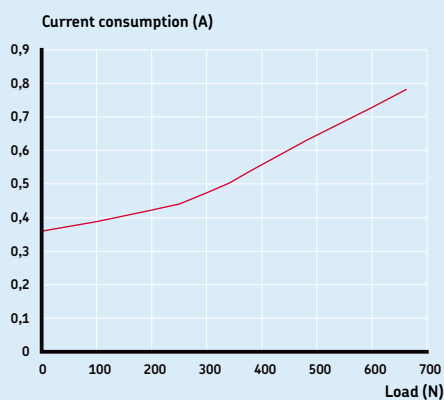
Technical data

	Unit	CAT 21B
Push load	N	600
Pull load	N	600
Speed (full load to no load)	mm/s	8,1 to 9,7
Stroke	mm	50 to 300
Retracted length	mm	S+100
Voltage	V DC	24
Power consumption	W	N/A
Current consumption	A	0,7
Duty cycle	%	see diagram on next page
Ambient temperature	°C	N/A
Type of protection	IP	×4
Weight	kg	0,7 to 1,5
Color	-	Black

Performance diagrams

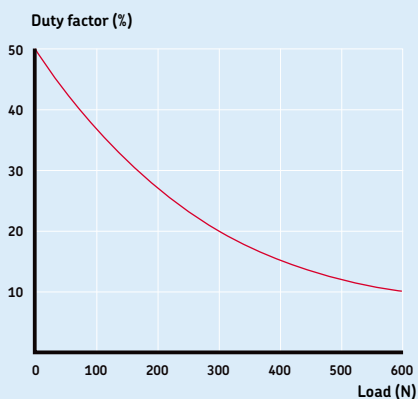


Speed-load diagram

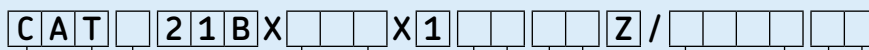


Current-load diagram

Duty factor diagram



Ordering key



Type

Motor assembly:

Right R
 Left L

Stroke (S):

50 mm	050
100 mm	100
200 mm	200
250 mm	250
300 mm	300
<i>Other stroke lengths</i>	---

Rear attachment:

Single ear, hole diameter 6,35 mm K1
 Single ear, hole diameter 8 mm K2

Front attachment:

Hole diameter 6,35 mm G1
 Hole diameter 8 mm G2

Motor option:

24 V DC G24C

Cable option for motors:

Straight cable 610 mm, without plug O6
 Straight cable 2500 mm, DIN8 plug C5

Options written in italic fonts are only available on demand. Please contact SKF.

Options

Standard options

Right or left handed motor orientation.
 With or without motor cover.

Customer options (available on request)

Encoder and feedback options
 Adjustable or fixed position limit switches
 Special front and rear attachments
 Special colors and gear house engravings
 Special wiring and connectors
 Special lead screws and nut combinations
 12 V DC motor in quantity of 100 pcs. or greater

If in any application there is a risk that the actuator mechanically runs into the end stop, we recommend that you use the limit switch option.

© SKF is a registered trademark of the SKF Group

© SKF Group 2009

The contents of this publication are the copyright of the publisher and may not be reproduced (even extracts) unless prior written permission is granted. Every care has been taken to ensure the accuracy of the information contained in this publication but no liability can be accepted for any loss or damage whether direct, indirect or consequential arising out of the use of the information contained herein.

Printed in Sweden on environmentally friendly paper.

PUB MT/P8 10432 EN · Decemember 2009

