

Actuator **RE3000**



RE3000 is a powerful and quiet actuator designed for rehabilitation applications, but can be used also in other applications, demanding the smallest overall dimensions. The RE3000 is perfect for powered wheelchair application.

Standard features

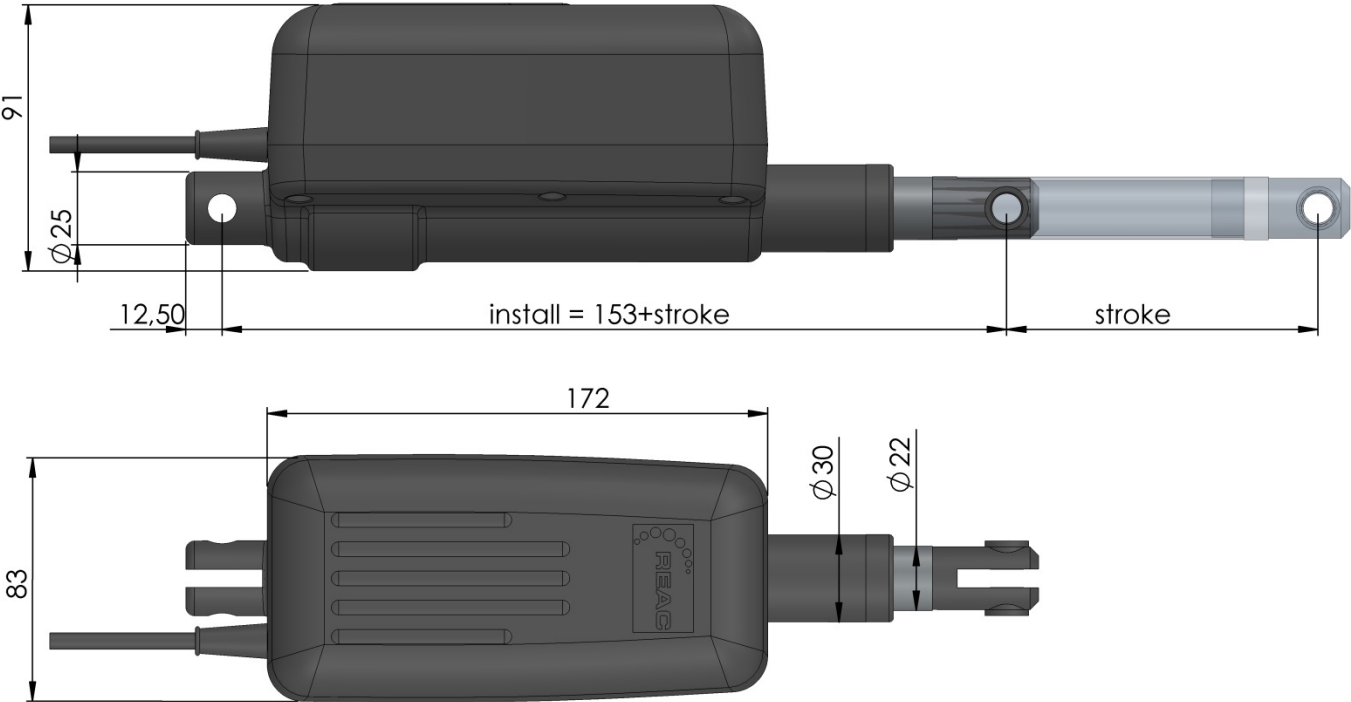
Max push force	2000N – 3000N
Max pull force	2000N – 3000N
Max speed (full load)	2,3 – 9,6 mm/s
Max speed (no load)	5,0 – 16,0 mm/s
Min built in length	153mm + stroke
Stroke lengths (mm)	50, 100, 150, 200, 250
IP-class	IPX1
Current consumption (full load)	1,6A – 6,0A
Current consumption (no load)	0,5A – 1,5A
Feedback & switches	-
Motor	24VDC standard or fast
Mounting brackets	cyl 10,2/12,0mm, fork 10,2mm. Angle for rear bracket: 0°, 90°
Connection	Cable 0,5m 2x0,5mm ² (stripped ends)
Operating temperature	+5° to +40°C
Storage temperature	-40° to +70°C
Housing	Plastic
Piston	Stainless steel
Color	Black
Duty cycle	10%, max 2 min at continuous use followed by an 18 min rest

Options

Stroke lengths (mm)	Customizable
Protection class	IPX1
Mounting brackets	Customizable
Connection & Cables	Customizable
Color	Customizable, Gray (RAL7035)
Feedback & switches	Hall sensor feedback, 1 or 2 channels Reed switch Position memory (3 positions available)

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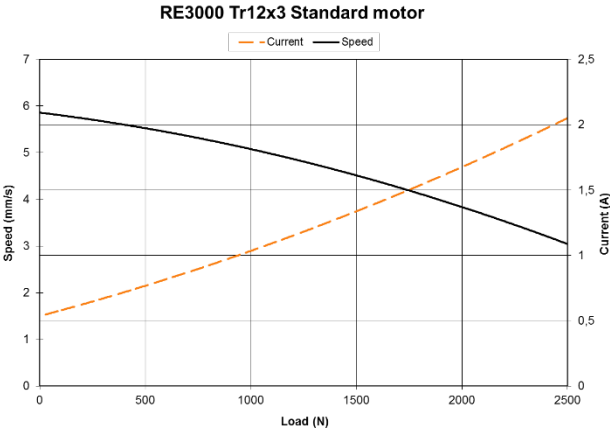
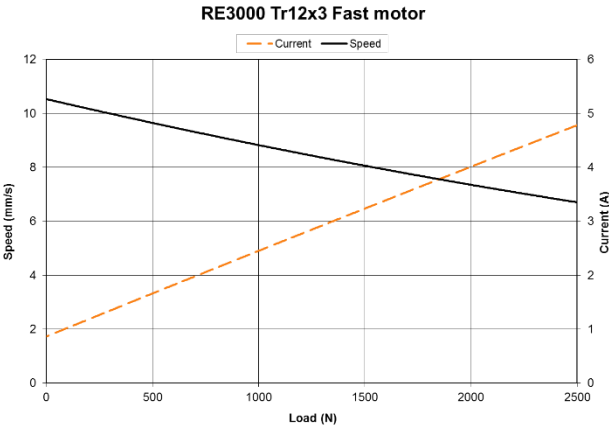
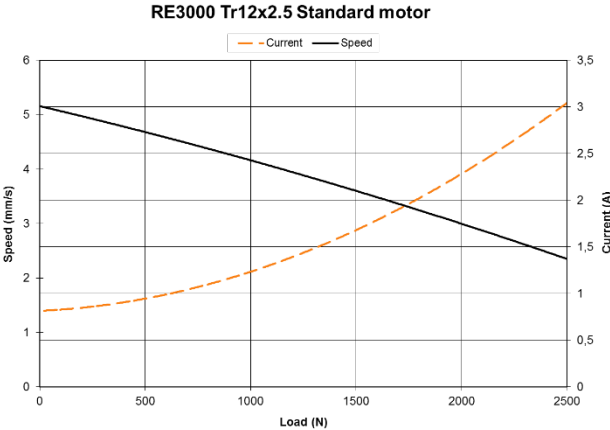
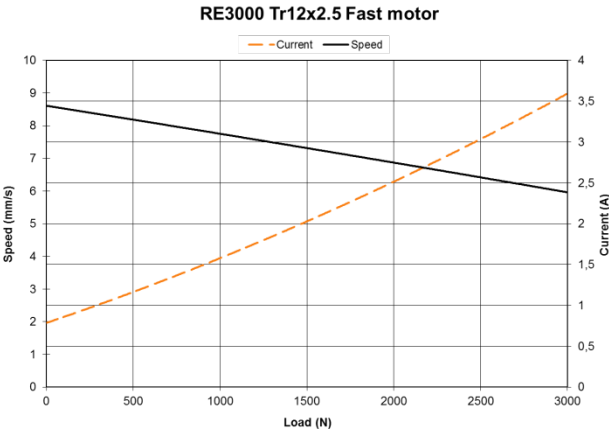
Dimensions



Performance

Chart showing force, speed and current for RE3000

Pitch [mm]	Max push force [N]	Max pull force [N]	Max self-locking push [N]	Speed at no/max force [mm/s]	Current consumption at no/max force [A]	DC motor [type]
2,5	3000	3000	3000	8,5 / 6,1	0,8 / 3,6	Fast
2,5	2500	2500	2500	5,0 / 2,3	0,8 / 3,1	Standard
3	2500	2500	2500	10,5 / 6,6	0,8 / 4,8	Fast
3	2000	2500	2000	6,0 / 4,0	0,5 / 1,6	Standard

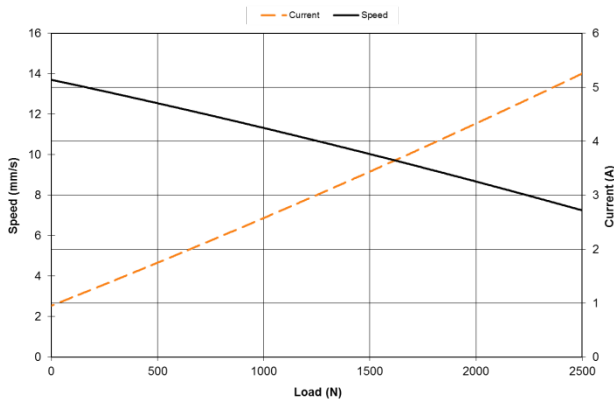


Charts show average figures for 24V actuator using stabilized power supply. All figures with ambient temperature of 20°C. Accuracy: ±5.

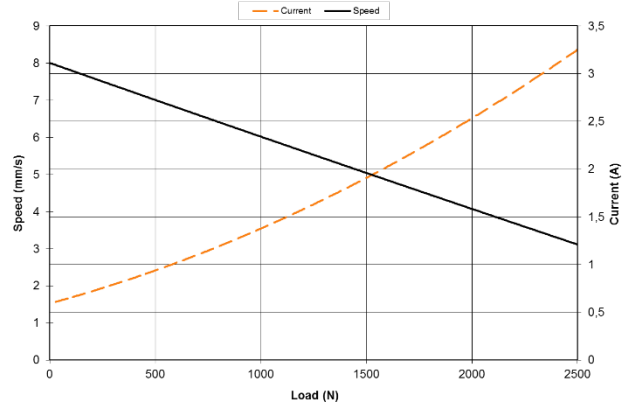
Actuator RE3000

Pitch [mm]	Max push force [N]	Max pull force [N]	Max self-locking push [N]	Speed at no/max force [mm/s]	Current consumption at no/max force [A]	DC motor [type]
4	2500	2500	2500	13,0 / 7,5	0,8 / 5,4	Fast
4	2500	2500	2500	8,0 / 3,1	0,5 / 3,3	Standard
6	2500	2500	750	16,0 / 9,6	1,5 / 6,0	Fast
6	2000	2500	750	10,0 / 5,6	0,8 / 3,2	Standard

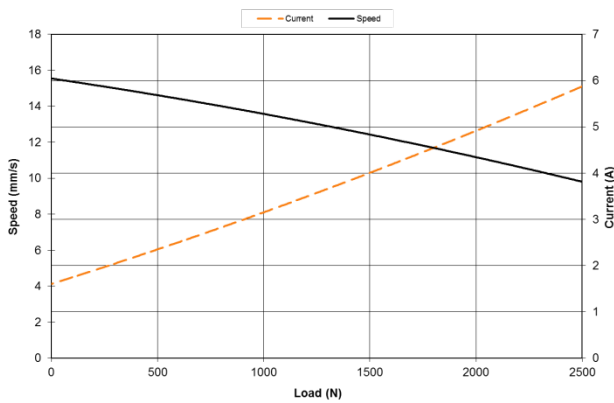
RE3000 Tr14x4 Fast motor



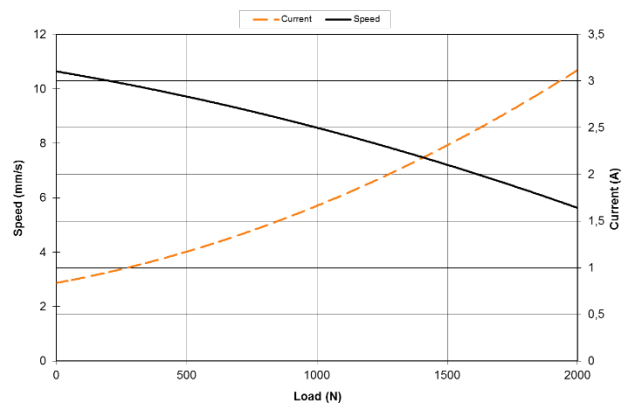
RE3000 Tr14x4 Standard motor



RE3000 Tr12x6 Fast motor



RE3000 Tr12x6 Standard motor



Charts show average figures for 24V actuator using stabilized power supply. All figures with ambient temperature of 20°C. Accuracy: ±5.

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REAC AB
J A Wettergrens gata 7
421 30 Västra Frölunda, Sweden

REAC Poland Sp. z o.o
Metalowców 10
97-300 Piotrków Trybunalski, Poland

www.reac-group.com
E-mail: info@reac.se
Phone: +46 532 78 50 00