

Actuator **RE3006**



RE3006 is a powerful and quiet actuator designed for rehabilitation applications, but can be used also in other applications, demanding the smallest overall dimensions. The RE3006 is perfect for powered wheel chair application.

Standard features

Max push force	6000N
Max pull force	2000N
Max speed (full load)	3,0mm/s
Max speed (no load)	5,0mm/s
Min built in length	160mm+stroke
Stroke lengths (mm)	50, 100, 150, 200, 250mm
IP-class	IPX1
Current consumption (full load)	5.5A
Current consumption (no load)	0.8A
Mounting brackets	cyl 10,2/12,0mm
Feedback & switches	Mechanical limit switches
Motor	24VDC angle 14°, 16°, 20°
Operating temperature	+5° to 40° C
Storage temperature	-40° to +60° 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
Connection & Cables	customizable
Color	customizable
Feedback & switches	Linear potentiometer

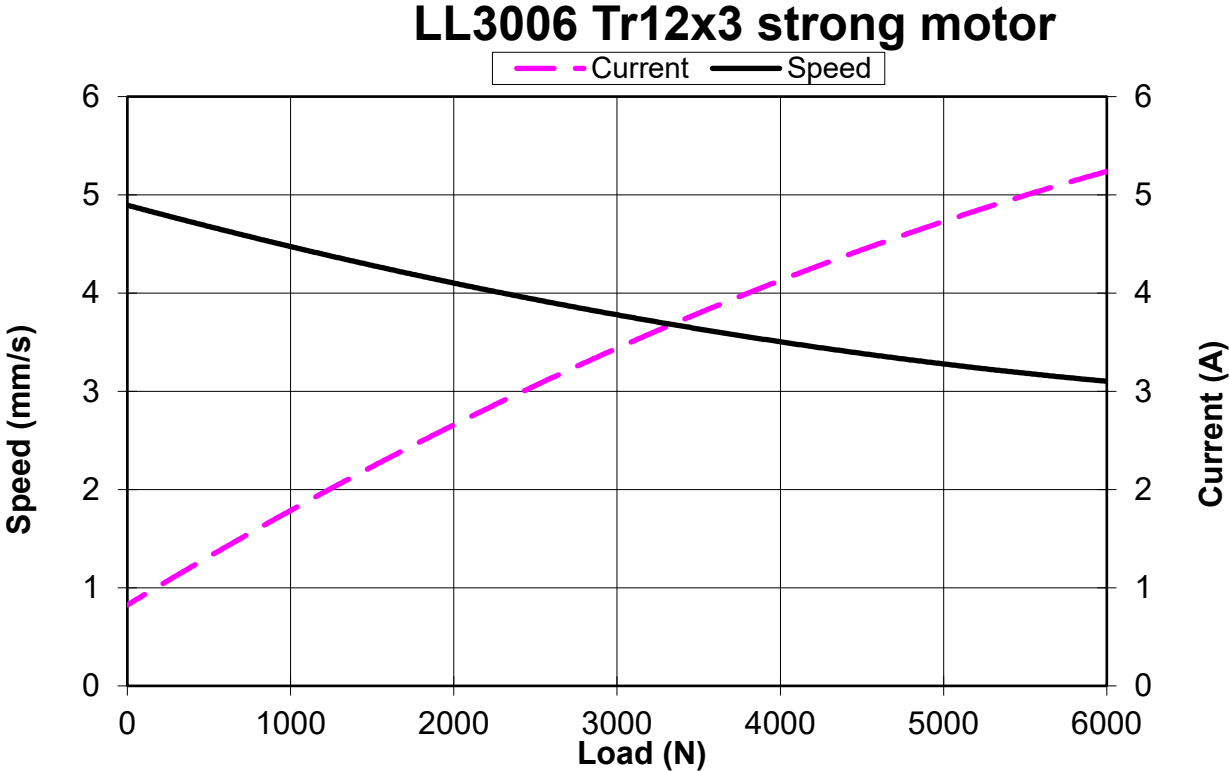
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Dimensions

Performance

Chart showing speed and current for REXXX

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]
3	6000	4000	6000	5,0/3,0	0,8/5,5	strong



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

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