

## Actuator **RE712**



RE712 is a very efficient, high speed 12kN actuator developed to meet the requirements in patient lifts. It is equipped with a manual lowering function, which allows lowering the lift by hand if the electrical power is not available. It also has a pull force protection to prevent injuries.

In combination with REAC control systems for patient handling (RCB15, RCB20 and RCB25), RE712 regenerates energy back to the batteries when lowering the lift, giving increased battery life time between charging.

**Standard features**

Max push force	12 000N
Max pull force	N/A <sup>1</sup>
Max speed (full load)	6,5 mm/s
Max speed (no load)	8,5 mm/s
Min built in length	290mm + stroke
Stroke lengths (mm)	100mm – 300m (in steps of 5 mm)
IP-class	IPX1
Current consumption (full load)	8,5 A
Current consumption (no load)	1,0 A
Feedback & switches	Mechanical limit switches
Motor	24VDC
Mounting brackets	Silver galvanized steel Angle for rear bracket: 0° or 90°.
Connection	6.3 mm stereo phone plug
Operating temperature	-15° to +50°C
Storage temperature	-20° to +60°C
Housing	Plastic housing (PC/ABS)
Piston	Galvanized steel
Color	White RAL9016
Flammability rating	UL94 V-0
Duty cycle	10%, max 2 min at continuous use followed by an 18 min rest

**Options**

Mounting brackets	Customizable
Cables	Customizable
Feedback & switches	Linear potentiometer

**Approvals**

IEC60601-1:2005 3rd edition - pending

ANSI/AAMI ES60601-1:2005 3rd edition - pending

CAN/CSA-22.2 No 60601:2008 - pending

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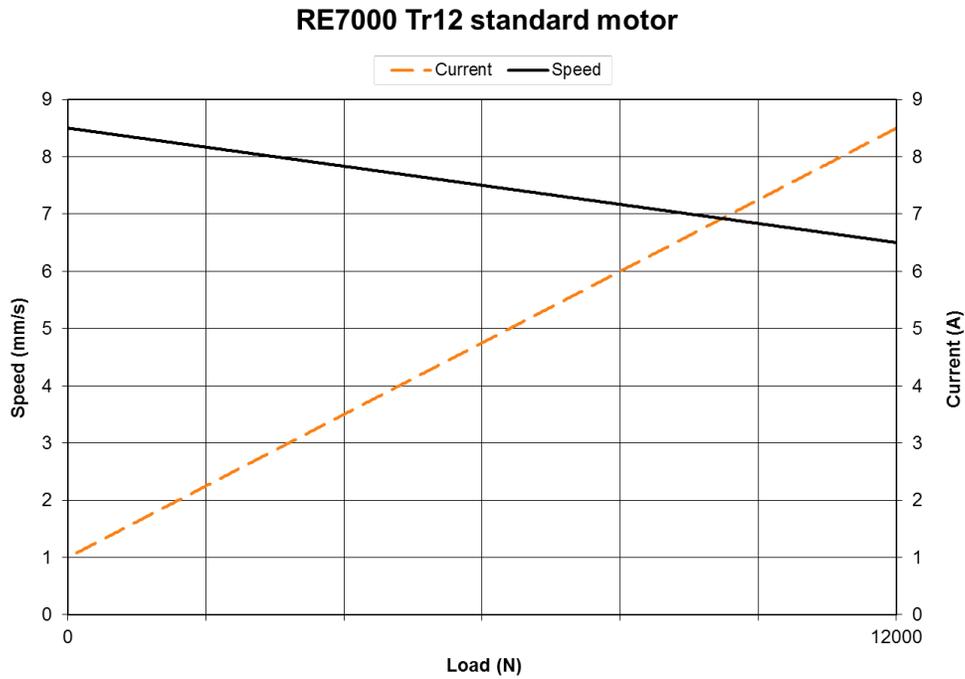
<sup>1</sup> No pull force is allowed and according to the requirements in ISO 10535 RE7000 has a pull force protection implemented as standard.



## Performance

Chart showing force, speed and current for RE712

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]
12	12 000	N/A <sup>2</sup>	12 000	8,5 /6,5	1,0 /8,5	Standard



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

<sup>2</sup> No pull force is allowed and according to the requirements in ISO 10535 RE7000 has a pull force protection implemented as standard

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