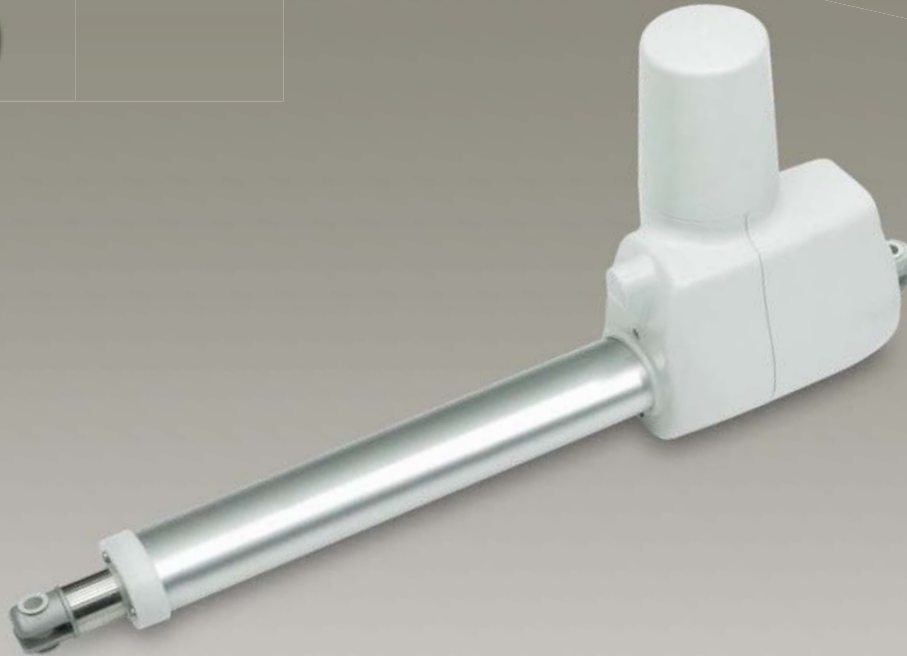


Actuator

MD100

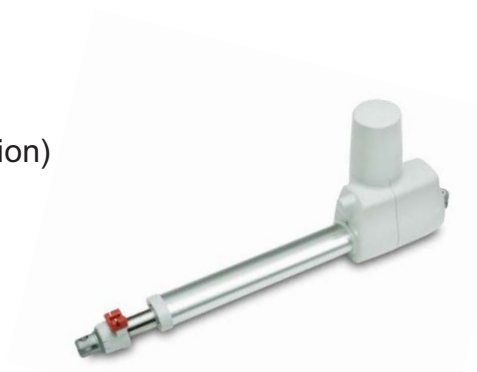


Features

- ◆ MD100 is quiet and powerful actuator designed for variety of medical and home care applications such as patient lift and medical bed.
- ◆ Main applications : medical and home care
- ◆ Input voltage : 24V DC
- ◆ Max. load : 10000N (push) / 6000N (pull)
- ◆ Max. current : 8.2 A @ 24V DC
- ◆ Max. speed : 9 mm/s @ no load
- ◆ Stroke : 100 ~ 600mm
- ◆ Duty cycle : 10% or 2 min. continuous operation in 20 min.
- ◆ IP protection level : IPX4
- ◆ Color : Light Gray(RAL 7035)
- ◆ Certified : EN60601-1-2, EN-61000-4-2, EN 61000-4-3, EN 60000-4-8, CISPR11:2003, UL ANSI/AAMI 60601-1
- ◆ Noise level : ≤ 52 dB
- ◆ Preset limit switches
- ◆ Stainless extension tube
- ◆ Aluminum outer tube
- ◆ Working environment temperature : +5 ~ 40 C

Options

- ◆ Push only
- ◆ Safety nut (in push direction)
- ◆ IPX6
- ◆ QR2 quick release
- ◆ MR2 manual release



With QR2 Quick Release



With MR2 Manual Release

Compatibility

- 1. Control box**
CBP2, CB4P
- 2. Handset**
HC, HD, HF, HT
- 3. Accessory**
None

Performance Data

Model No.	Push Max. (N)	Pull Max. (N)	Speed (mm/s)		Current (A)	
			No load	Full load**	No load	Full load**
MD100-24DC-xxx.xxx-xxxxxxx	10,000*	6,000	7.0	5.2	1.0	7.0
MD100-24FC-xxx.xxx-xxxxxxx	10,000*	6,000	9.0	6.7	1.0	8.2

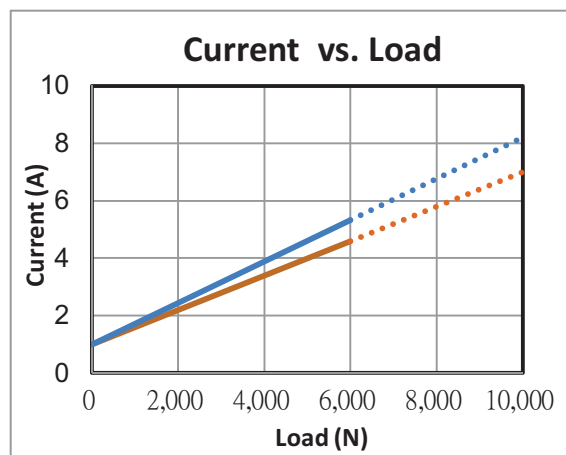
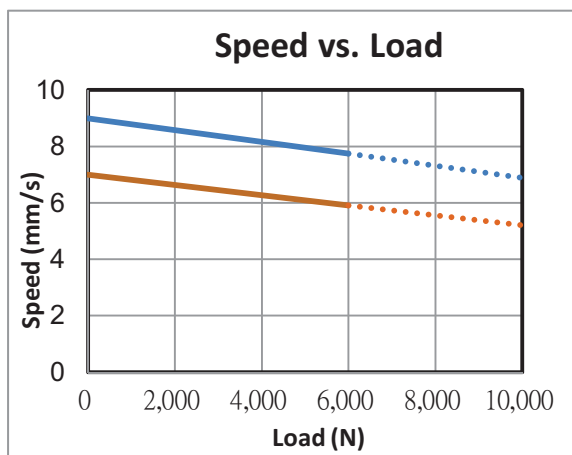
Note * : Within the stroke range of 150 mm.

Note ** : At 10,000N loaded.

Table of max. push load

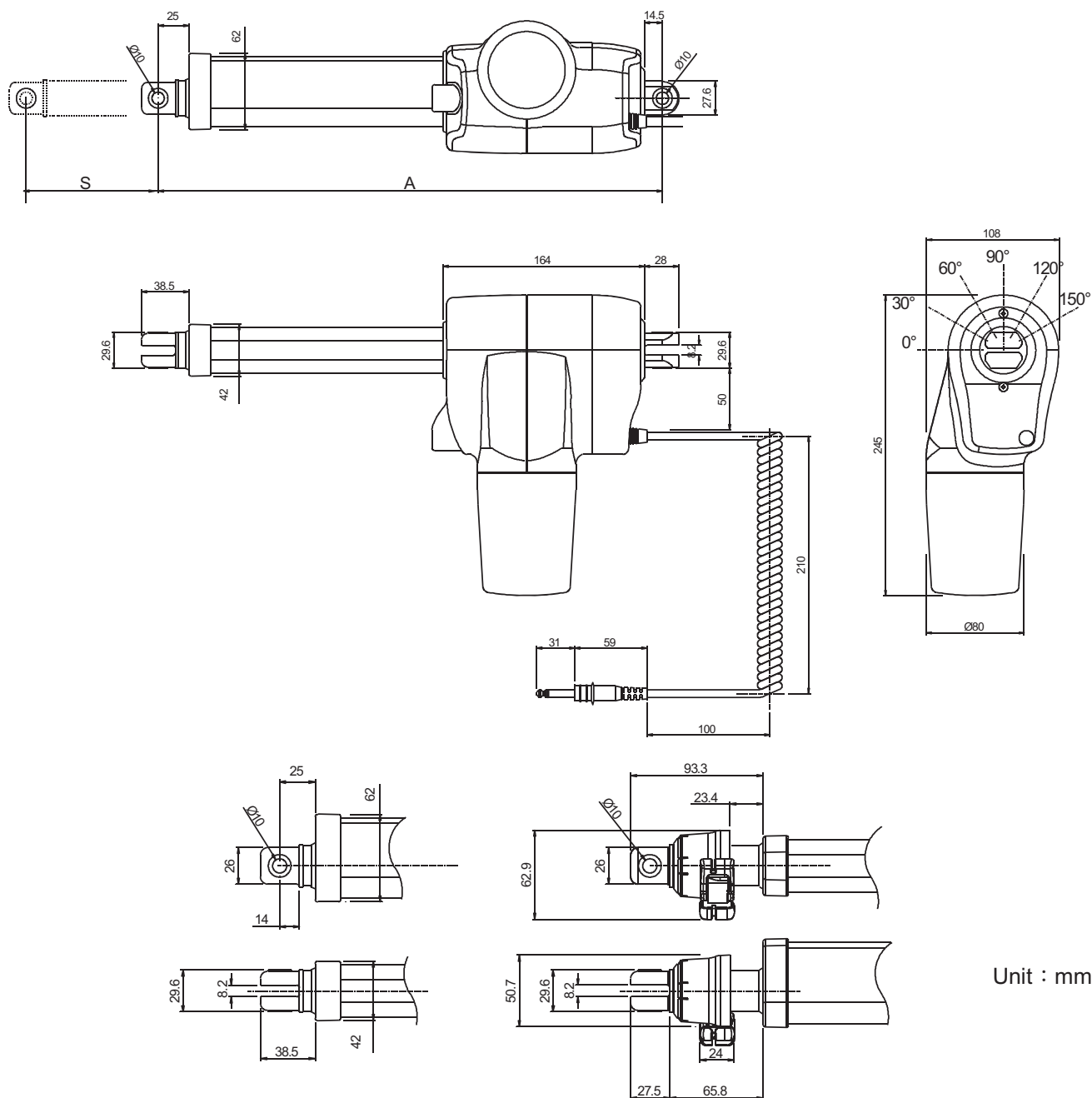
Unit : KN

Spec of stroke (mm)	At actual stroke position (mm)					
	150	200	300	400	500	600
200	10	8	-	-	-	-
300	10	10	5	-	-	-
600	10	10	10	9	6	5



— DC : Standard Motor — Push/Pull
— FC : Fast Motor - - - Push

Dimensions



Item		Spec
Stroke (S)		100~600 mm (available)
Installation (A)	Standard	$A \geq S+210$ mm
	Option (QR2/MR2)	$A \geq S+267$ mm

MD100— —.— 0

Input Voltage

24 : 24V DC

Motor

DC : Standard Motor

FC : Fast Motor

Retracted Length (mm)

Extended Length (mm)

Front Connector

1 : Zinc alloy with nylon bushing, $\phi 10$ mm

Rear Connector

(Zinc alloy with nylon bushing, $\phi 10$ mm, with following angle options)

1 : 0° 3 : 30° 6 : 60° 9 : 90° C : 120° F : 150°

Safety Options

S : Safety Nut

P : Push Only + Safety Nut

M : MR2 Manual Release + Push Only + Safety Nut

Q : QR2 Quick Release + Push Only + Safety Nut

0 : None

Reserved

Color

G : RAL 7035

IP level

4 : IPX4

6 : IPX6

Cable & Pug

6.35mm jack plug ($\Phi 13.8$)

1 : Straight cable 300mm

2 : Straight cable 1000mm

3 : Coiled cable 400mm

6.35mm jack plug (Φ16.7)

A : Straight cable 300mm

B : Straight cable 1000mm

C : Coiled cable 400mm



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