

Double Motor - Twinmat IV TW43



Features

- ◆ TW43 is a compact double motor featuring high force, low noise level and low built-in height, which is an ideal solution for home adjustable beds and medical beds. There are many optional functions such as internal switching mode power supply (SMPS) and internal RF receiver available for customers to choose.
- ◆ Main applications : furniture, homecare
- ◆ Input voltage : 100V AC / 120V AC / 220VAC / 230V AC / 100~240V AC
- ◆ Max. load : 2 x 4500N
- ◆ Max. speed : 5 mm/sec @ no load
- ◆ Stroke : 29~87mm (± 2 mm)
- ◆ Overload protection function
- ◆ Duty cycle : 10% or 2 min continuous operation in 20 min.
- ◆ Protection class : Class II
- ◆ Cable : Straight 3000mm
- ◆ Color : Black
- ◆ Certified : CE

Options

- ◆ 100~240V AC Internal switching mode power supply
- ◆ Internal RF receiving module
- ◆ Bore diameter:25.2mm/25.6mm
- ◆ Safety plug: SP4/SP5
- ◆ Backup batteries: 9V DC x1 (Standard version); 9V DC x2 (RF version)

Compatibility

1. Wired handset

Moteck P1 communication type handset with A-type DIN plug housing, such as HC, HD, HF, H3F, HI, HM, H2N, H2Z, H3N, HT

2. Wireless RF remote handset:

TXH, TXT, TX2T, TXZ

3. RF Receiver

TXA4

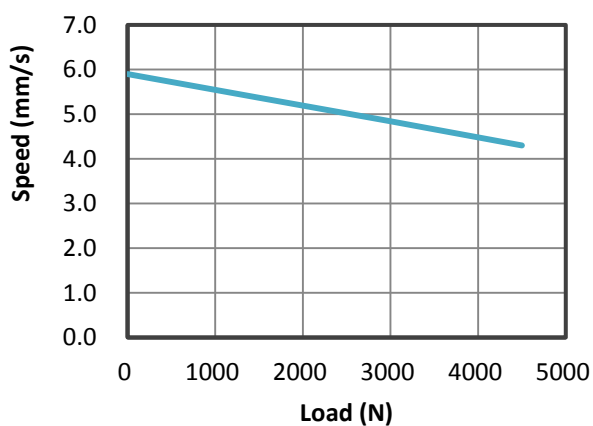


A type plug housing

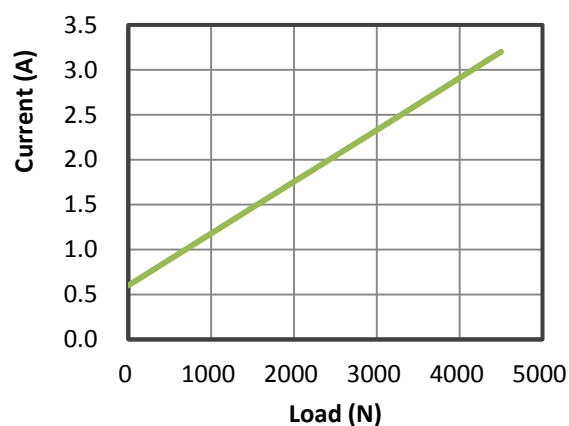
Performance

Model No.	Push Max. (N)	Speed (mm/s)		Current (A) @29VDC	
		No load	Full load	No load	Full load
TW43X-XXX-XX.XX-12-0XXXX	4500	5.9	4.3	0.6	3.2

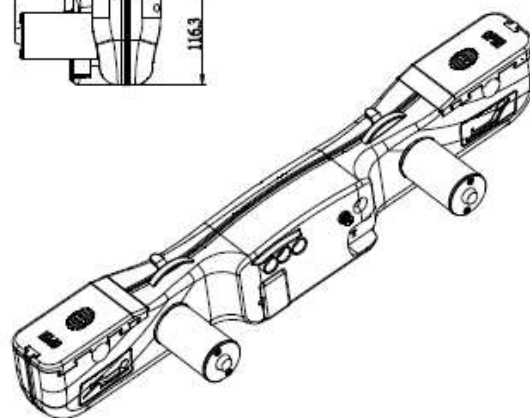
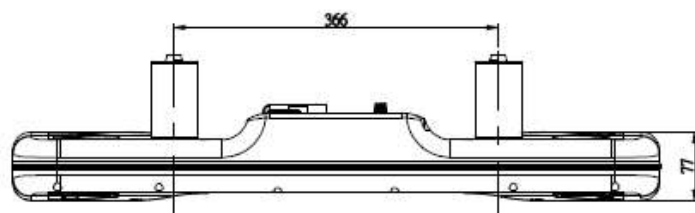
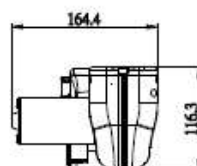
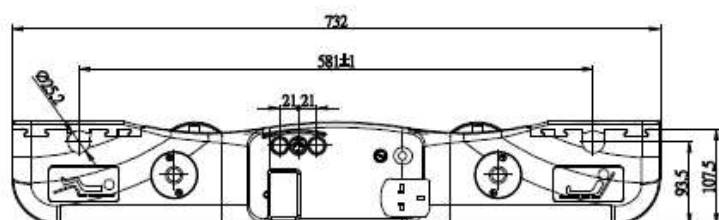
Speed vs Load



Current vs Load



Dimension



Unit: mm

Ordering Key

TW43 □ — □ □ □ — □ □ • □ □ — 12 — 0 □ □ □ □

Version

Blank : Standard version
R : RF version

Input Voltage

100 : 100V AC 120 : 120V AC
220 : 220V AC 230 : 230V AC
240 : 240V AC
ISW : Internal SMPS (100 ~240V AC)

Stroke for Back

29~87mm

Stroke for Leg

29~87mm

Socket for Handset

1 : 1 socket

Number of Drive

2 : 2 motors

Reserved

Safety plug

0 : None 4 : Wall plug type 5 : Power cord type

Cable

3 : Straight 3000 mm

Bore diameter

2 : 25.2mm (Standard) 6 : 25.6mm

Battery

0 : None 1 : With 9V DC battery x1 2 : With 9V DC battery x2

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