E-Series - Machine Screw Jack

10kN Translating

Upright EMT0010-U00

Inverted EMT0010-I00

Performance

Model | EMT0010 | EMR0010
--- | --- | ---
Capacity (kN) | 10 | 10
Lifting Screw
Diameter (mm) | 20 | 20
Lead (mm) | Option 1 2 | Option 1 2

Gear Ratio
Option 1
Gear Ratio | 5:1 | 5:1
Static Efficiency | 0.233 | 0.339
Dynamic Efficiency | 0.306 | 0.424

Gear Ratio
Option 2
Gear Ratio | 20:1 | 20:1
Static Efficiency | 0.130 | 0.192
Dynamic Efficiency | 0.194 | 0.268

Max. Input power (kW)
Gear Ratio Option 1 | 0.375 | 0.375
Gear Ratio Option 2 | 0.19 | 0.19

Start up torque at full load (Nm)
Gear Ratio Option 1 | 6.8 | 6.8
Gear Ratio Option 2 | 3 | 3

Closed Height

Model | EMT0010 | EMR0010
--- | --- | ---
Capacity (kN) | 10 | 10
Lifting Screw Lead (mm) | 5 | 10

Turn of worm for travel of lifting screw
Gear Ratio 1 | 1 Turn | 1mm 2mm
Gear Ratio 2 | 4 Turn | 1mm 2mm

Maximum Through Torque (Nm) | 20 | 20
Lifting Screw Restraining Torque (Nm) | 22 | 30
Worm Shaft Maximum Radial Load (N) | 325 | 325

Maximum Input Speed (rpm) | 1800 | 1800
Gear Case Material | Aluminium | Aluminium

Weight (kg) - stroke = 150mm
EMT | 2.36 | EMR | 2.6

Weight (kg) - per extra 25mm stroke
EMT | 0.11 | EMR | 0.06

Note: All dimension in millimetres unless otherwise stated.
Designs subject to change without notice.

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