



Electrak® 050 – Technical Features



Standard Features

- Designed for office or medical applications
- Small, quiet and lightweight
- Short retracted length
- Low cost
- Durable and corrosion free plastic housing
- Color molded into the plastic, no painting required
- Maintenance free
- Internally restrained extension tube
- Estimated life is minimum 40000 cycles

General Specifications

Screw type	worm
Nut type	lead
Manual override	no
Anti-rotation	yes
Static load holding brake	no (self-locking)
Safety features	internal limit switches overload clutch auto reset thermal switch
Electrical connections	cable with flying leads or connector
Compliances	CE

Optional Mechanical Features

Cross hole orientation

Optional Electrical Features

End of stroke limit switches with dynamic braking

Potentiometer feedback

Electrak[®] 050 – Technical Specifications

Mechanical Specifications		
Max. static load ⁽¹⁾	[N (lbf)]	
DExx17W41		1020 (224)
DExx17W42		550 (120)
DExx17W44		280 (60)
Max. dynamic load (Fx)	[N (lbf)]	
DExx17W41		510 (112)
DExx17W42		275 (60)
DExx17W44		140 (30)
Speed @ no load/max. load	[mm/s (in/s)]	12/9 (0.5 /0.35) 24/18 (0.9/0.7) 48/37 (1.9/1.5)
Min. ordering stroke (S) length	[mm]	25
Max. ordering stroke (S) length	[mm]	200
Ordering stroke length increments	[in]	25
Operating temperature limits	[°C (F)]	-30 – 80 (-22 – 176)
Full load duty cycle @ 20 °C (70 °F)	[%]	25
End play, maximum	[mm (in)]	1.5 (0.06)
Restraining torque	[Nm (lbf-in)]	0
Protection class - static		IP56
Salt spray resistance	[h]	96

Electrical Specifications		
Available input voltages	[Vdc]	12, 24, 36
Input voltage tolerance	[%]	± 10
Current draw @ no load/max. load ⁽¹⁾	[A]	
DE12-17W41		1.4/3.8
DE12-17W42		0.7/1.9
DE12-17W44		1.2/3.8
DE24-17W41		0.6/1.8
DE24-17W42		1.4/3.8
DE24-17W44		0.7/1.9
Cable lengths, standard ⁽²⁾	[mm (in)]	150 (6.0)
Cable diameter	[mm (in)]	13 (0.5)
Cable leads cross section	[mm ² (AWG)]	1 (18)

(1) For current draw for 36 Vdc input voltage models - contact customer support.

(2) The same cable is used both for the input voltage and the feedback signals.