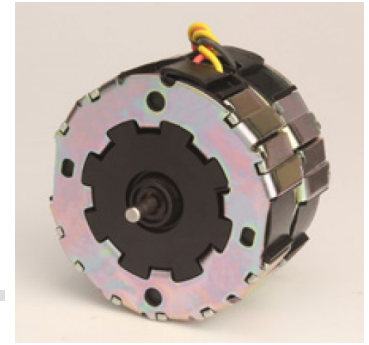




MTS8c



Stepper Motor 11.25°

Design

11.25° MTS8c - Permanent magnet stepper motor with simple mechanical structure. Clawpole principle (Tin Can) with 2 stator halves. Self lubricated sinteres sleeve with long life expectancy.

Features

11.25° MTS8c - Permanent magnet stepper motor with simple mechanical structure. Clawpole principle (Tin Can) with 2 stator halves. Self lubricated sinteres sleeve with long life expectancy.

Application

Combi Ovens, Doner Kebab machines, Voltage Stabiliser.

Options

11.25° MTS8c - Permanent magnet stepper motor with simple mechanical structure. Clawpole principle (Tin Can) with 2 stator halves. Self lubricated sinteres sleeve with long life expectancy.

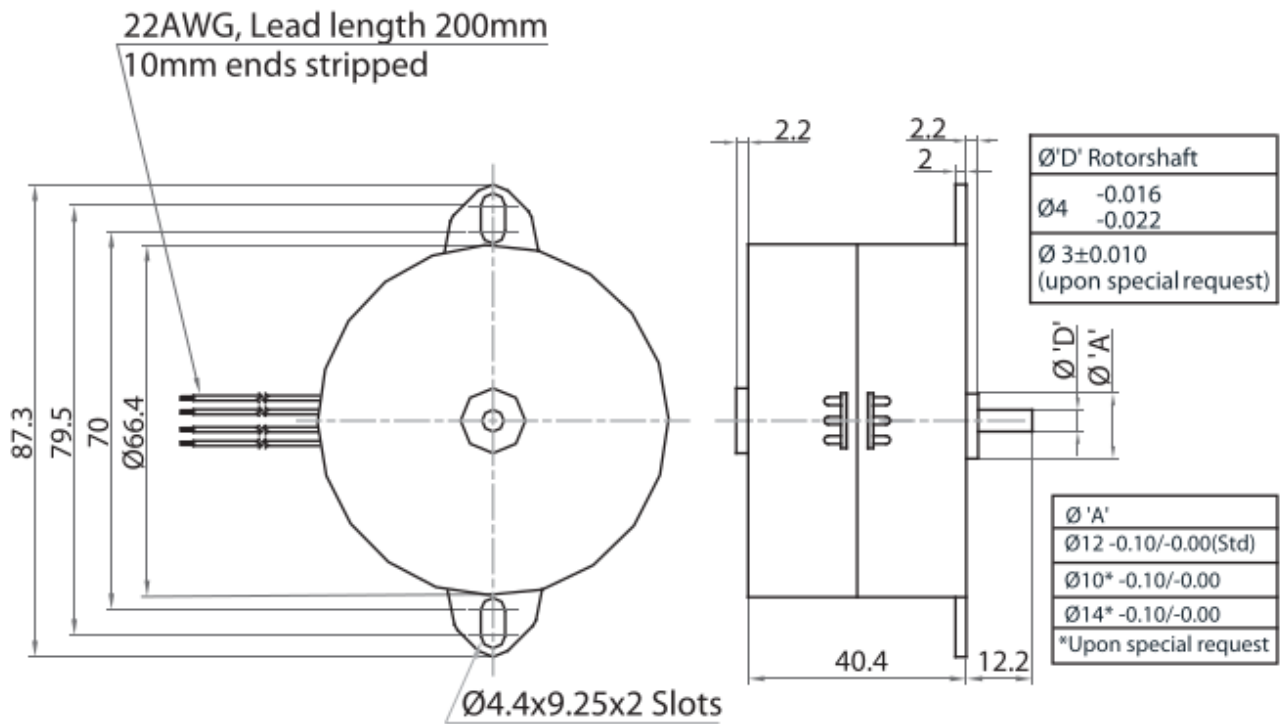
Standard Data

Parameter	Value	Unit
Motor type	Permanent Magnet (PM) stepper motor	
Electrical Enclosure	40	IP
Connections	Flexible leads 22 AWG, 200mm length, end striped 10mm	
Duty cycle	Continuous	
Weight	450	g
Mounting	Any position by ears or screw clip	

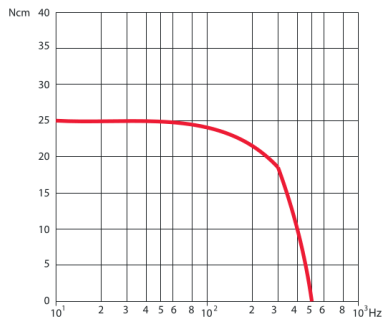
Technical Data

Parameter	Value	Unit
Steps per revolution	32	
Degree/step	11.25	
Winding type	bipolar	
Standard Voltage	4.5	V
Resistance per winding	4.0	Ω
Winding Temperature	130 max	°C
Magnet Type	(MTSB8c) Regular, (MTSB8C-RE) Strong	
Holding torque at (MTSB8c) Regular	30	Ncm
Holding torque at (MTSB8C-RE) Strong	45	Ncm
Axial Force at (MTSB8c) Regular	6	N
Axial Force at (MTSB8C-RE) Strong	6	N
Lateral Force at (MTSB8c) Regular	15	N
Lateral Force at (MTSB8C-RE) Strong	15	N
Detent Torque at (MTSB8c) Regular	2	Ncm
Detent Torque at (MTSB8C-RE) Strong	7.5	Ncm
Rotor inertia at (MTSB8c) Regular	155	gcm ²
Rotor inertia at (MTSB8C-RE) Strong	180	gcm ²

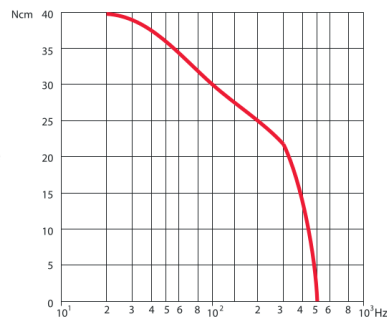
Dimensional Drawing



Torque Graphs



Torque
Start range



Strong Magnet Start range (pull-in) with constant current power stage (chopper Drive)