

Product Data Sheet for **070mm frame motor**

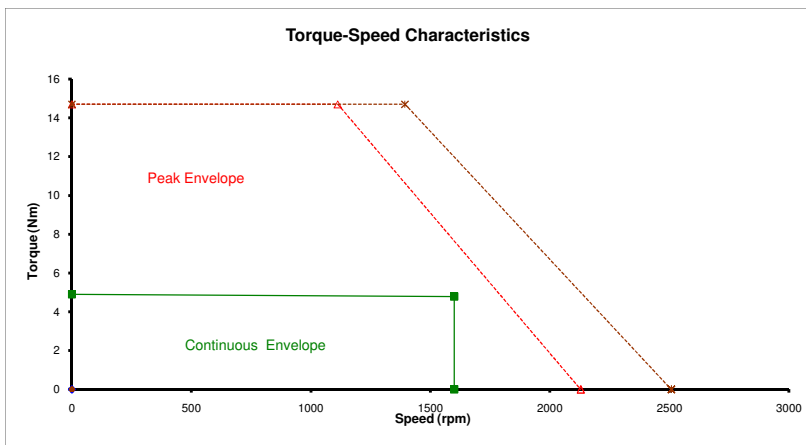
Version 4.0

Motor Performance data at Δt 100°C. Maximum ambient 40°C			
All data subject to +/- 10% tolerance		kt,ke and stall current stated at a 20°C motor temperature	
Peak Torque (Nm)	14.7	Rated Torque (Nm) @1600rpm	4.8
Continuous Stall Torque (Nm)	4.9	Rated Power (kW) @1600rpm	0.8
Stall Current (A)	1.8	Rated Torque (Nm) @2000rpm	4.7
Kt (Nm/A)	2.7	Rated Power (kW) @2000rpm	1.0
Ke (V/krpm)	149	Number of poles	10
Standard Inertia (kgcm ²)	0.97	Resistance (Ohms)	16.9
Unbraked Motor Weight (kg)	3.8	Inductance (mH)	64
Feedback device ECI 1118	Sincos Single turn En-Dat 16ppr 5V		
Encoder set	DC comuncation set zero position U+ve and V/W -ve		
Eeprom data	No data set		
Thermal Monitoring Thermistor Type	KTY84-130		

Radial Force @ 15mm from front mounting face	Axial Force
810	80

Bearings	
Front	Rear
6303ZZ	6202ZZ

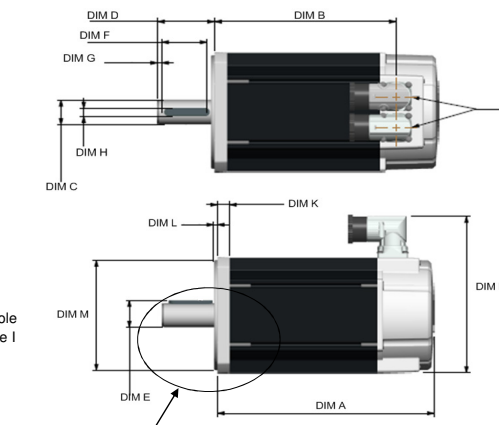
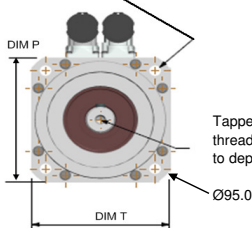
Performance graph



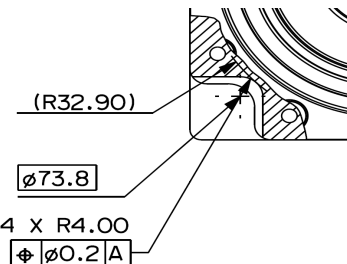
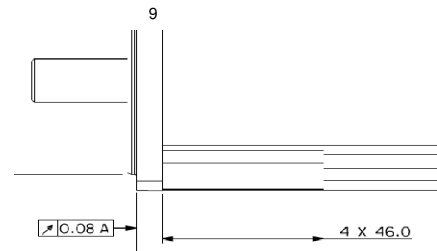
Dimensional Information

Note: Output key dimensions (Dim E, F, G and H) applicable to keyed units only

4 Holes \varnothing Dim R (H14) on a mounting PCD \varnothing Dim S



Details of additional cutouts on housing



Details of additional cutouts on housing

Dimensions		mm
Unbraked Motor Length	A (± 0.9)	232.7
	B (± 1.0)	198.8
Flange Thickness	K (± 0.5)	7.5
Register Length	L (± 0.1)	2.5
Register Diameter	M (\varnothing)	60.0
Overall Height	N (± 0.3)	111.5
Flange Square	P (± 0.2)	70.0
Fixing Hole Diameter	R (H14)	6.4
Fixing Hole PCD	S (± 0.4)	78.5
Motor Housing	T (± 0.6)	70.0

Shaft Size = 14.0 No Key		mm
Shaft Diameter	C (\varnothing)	14.0
Shaft Length	D (± 0.45)	30.0
Key Height	E	N/A
Key Length	F	N/A
Shaft Key to Shaft End	G	N/A
Key Width	H	N/A
Tapped hole Thread Size	I	M5x0.8
Tapped Hole Depth	J (± 1.0)	13.5

(The drawing is a representation only and although the dimension legends will be the same it may not be an exact picture of the motor)

The information contained in this data sheet is for guidance only and does not form part of any contract. Control Techniques Dynamics is not responsible for any errors or omissions and reserves the right to change the specification without notice.