



FI-140188 DD Motor

MAIN PARAMETERS	VALUE
Voltage(VAC)	220
Rated torque (Nm)	36
Instant Max Torque (Nm)	100
Torque constant (Nm/Arms)	4
Rated Current (Arms)	9
Instant Max Current (Arms)	25
Resistance (Ω)	1.28
Inductance (mH)	12.5
Pole-pairs number (2P)	13
Back EMF coefficient (Vrms/rad/s)	2.4
Rated Output (W)	1131.8
Rotor inertia 10 ⁻⁴ kg.m ²	102
Rated Speed (rpm)	300
Max Speed (rpm)	600
Positioning accuracy(arc_sec)	± 20
Repeat positioning accuracy (arc_sec)	± 1.5
Encoder resolution (sin/cos)	8192
Axial load (N)	4000
Radial load (N.m)	110
Axial runout (mm)	≤0.005
Radial runout (mm)	≤0.005
Weight (kg)	8

Specification & drawing

