



# FI-140120 DD Motor

MAIN PARAMETERS	VALUE
Voltage(VAC)	220
Rated torque (Nm)	14
Instant Max Torque (Nm)	35
Torque constant (Nm/Arms)	7
Rated Current (Arms)	2
Instant Max Current (Arms)	5
Resistance (Ω)	3.3
Inductance (mH)	6
Pole-pairs number (2P)	13
Back EMF coefficient (Vrms/rad/s)	2
Rated Output (W)	440.2
Rotor inertia 10 <sup>-4</sup> kg.m <sup>2</sup>	85
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)	3200
Radial load (N.m)	80
Axial runout (mm)	≤0.005
Radial runout (mm)	≤0.005
Weight (kg)	8

## Specification & drawing

