

ARM28270T1



Motor Performance Parameters	Symbol	Value	Unit
Rated Power	P_o	45	W
Max. Speed	ω	350	rpm
DC Bus Voltage	V_{DC}	24	V
Max. FEA Eff.	η	80	%
Continous Torque @20°C	T_e	1,6	Nm
Peak (Stall) Torque	T_p	6,5	Nm
bEMF Constant @25°C	k_v	15,5	rpm/V
Resistance (L-L) @25°C ±5%	R	1,3	Ω
Inductance (L-L) @25°C ±5%	L	4,4E-3	H
Peak(Stall) Current (DC Source)	A_{peak}	10	A
Number of Pole Pairs	pp	14	-
Max. Operating Temperature	C_{max}	75	C°

Mechanical Parameters

Total Mass		1,55	kg
Rotor Inertia		0,0015	kgm ²
Gear Type and Ratio		-	

Other Parameters

Position Sensor Type	Hall sensors + ams AS5045 – on axis magnetic encoder
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MECHANICAL DRAWING

