

Classic TPM design with straight-toothed high torque gearhead

Ratio	i	110	220
DC bus voltage	U_D V DC	560 / 320	
Max. acceleration torque (max. 1000 cycles per hour)	T_{2S} Nm	798	950
Stall torque	T_{20} Nm	292	583
Brake Holding Torque at output (optional), 100°C	T_{2BR} Nm	440	880
Max. speed	n_{2max} min ⁻¹	46	23
Peak speed for T_{2B}	n_{2B} min ⁻¹	28	18
Peak current	I_{max} A _{eff}	13.7	7.1
Stall current	I_0 A _{eff}	3.6	3.6
Moment of inertia (at motor shaft without brake with resolver)	J_2 kgcm ²	2.43	2.31
Torsional backlash	j_t arcmin	≤ 1	
Torsional rigidity	C_t Nm/arcmin	186	
Tilting rigidity	C_K Nm/arcmin	560	
Max. axial force	F_{Amax} N	6130	
Max. tilting moment	M_{Kmax} Nm	1295	
Weight (with resolver and without brake)	m kg	17.6	
Operating noise (measured at 3000 rpm motor speed)	L_{PA} dB(A)	70	
Max. permissible housing temperature	°C	+90	
Ambient temperature	°C	+40	
Protection class		IP 64	
Mounting position		Any	
Lubrication		Synthetic oil, lubricated for Life	
Insulation class		F	
Paint		RAL 5002 (blue) or RAL 9005 (jet black)	

For complete specifications and speed torque curves, download data sheets at www.wmc-us.com.

