



NOTE:
1. UNSPECIFIED GEOMETRIC TOLERANCE GB/T1184-H (ISO 2768-2)
2. DIMENSIONS ARE MEASURED AT 20°C

Motor parameters	
No. of poles	10
DC Link Voltage(V)	48
Rated Power(W)	200
Rated Torque(N·m)	0.64
Rated Speed(rpm)	3000
Rated Current(A)	6.9
Maximum torque(N·m)	1.92
Maximum Current(A)	16.8
Resistance line-line(Ω)	0.7
Inductance line-line(mh)	1.362
Voltage constant(V/krpm)	8.36
Torque constant(Nm/A)	0.101

Harmonic gear-ratio		17-50	17-80	17-100	17-120
Peak torque for start and stop (Nm)		44	56	70	70
Permissible max.value of ave.load torque(Nm)		34	35	51	51
Rated torque(Nm)		21	29	31	31
Permissible max. momentary torque(Nm)		91	113	143	112
Max. output rotational speed(RPM) [Using 48V operating at rated torque]		60	37.5	30	25
Without brakes	Rotor inertia(g·mm ²)	67425			
	OD*Length(mm)	Ø 85*111.8			
	Weight(kg)	1.88			
With brakes	Rotor inertia (g·mm ²)	70654			
	OD*Length(mm)	Ø 85*111.8			
	Weight(kg)	1.94			
Common parameters		Supply voltage: 48V(±10%) Inner diameter:18mm IP54 & Friction brake			
Optional device		Communication type: EtherCAT/CANopen/Modbus Output encoder resolution:19/20 Bit RP/AP:±7/±15 arc sec or ±10/±25 arc sec			
UNLESS OTHERWISE SPECIFIED: DIMENSIONS APPLY BEFORE COATINGS REMOVE ALL SHARP BURRS AND BREAK ALL SHARP EDGES		MODEL		DRAWG NO.	
UNSPECIFIED DIMENSIONAL TOLERANCE		eRob80T		eRob80H**T-XX-18XX_V3	
> 0.5-3		±0.1		QTY.	
> 3-6		±0.1		SCALE	
> 6-30		±0.2		MATERIAL	
> 30-120		±0.3		SURFACE TREATMENT	
> 120-400		±0.5		1:2	
ANGULAR TOLERANCE:±1°		NAME		DATE	
DRAWG		SIZE		VERSION	
CHECK		A3		MC1A.XX.XX	
APPROV		PERSPECTIVE		MATERIAL CODE	
THIRD ANGLE		ZeroErr Control Co., Ltd			

MILLIMETERS