



Motor parameters	
No. of poles	16
DC Link Voltage(V)	48
Rated Power(W)	100
Rated Torque(N·m)	0.32
Rated Speed(rpm)	3000
Rated Current(A)	2.55
Maximum torque(N·m)	0.96
Maximum Current(A)	7.8
Standstill torque(N·m)	0.36
Standstill current(A)	2.87
Resistance line-line(Ω)	1.99
Close circuit inductance(mH)	1.88
Voltage constant(V/krpm)	8.0
Torque constant(Nm/A)	0.132

Harmonic gear-ratio	14-50	14-80	14-100	14-120
Peak torque for start and stop (Nm)	23	30	36	36
Permissible max.value of ave.load torque(Nm)	9	14	14	14
Rated torque(Nm)	7	10	10	10
Permissible max. momentary torque(Nm)	46	61	70	70
Max. output rotational speed(RPM) [Using 48V operating at rated torque]	60	37.5	30	25

Without brakes	Rotor inertia(g·mm ²)	47767
	OD*Length(mm)	Ø 73*99
	Weight(kg)	1.10
With brakes	Rotor inertia (g·mm ²)	50996
	OD*Length(mm)	Ø 73*99
	Weight(kg)	1.16
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.		QTY.	SCALE	MATERIAL	SURFACE TREATMENT
		eRob 70T		eRob70H××T-XX-18XX_V4					
UNSPECIFIED DIMENSIONAL TOLERANCE									
> 0.5-3	±0.1	NAME		DATE	SIZE	VERSION	1:1		
> 3-6	±0.1	DRAWG			A3	MC2B.XX.XX	MATERIAL CODE		
> 6-30	±0.2	CHECK			PERSPECTIVE		 ZeroErr Control Co., Ltd 零误差控		
> 30-120	±0.3								
> 120-400	±0.5	APPROV			THIRD ANGLE				
ANGULAR TOLERANCE:±1°									

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

MILLIMETERS