



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)	100
Rated Torque(N·m)	0.32
Rated Speed(rpm)	3000
Rated Current(A)	3.3
Maximum torque(N·m)	0.96
Maximum Current(A)	11
Resistance line-line(Ω)	1.75
Inductance line-line(mh)	2.5
Voltage constant(V/krpm)	8.42
Torque constant(Nm/A)	0.075

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)	50809			
	OD*Length(mm)	$\phi 73 \times 99$			
	Weight(kg)	1.18			
With brakes	Rotor inertia (g·mm ²)	54038			
	OD*Length(mm)	$\phi 73 \times 99$			
	Weight(kg)	1.24			
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.	
		eRob 70T		eRob70H××T-XX-18XX_V3	
UNSPECIFIED DIMENSIONAL TOLERANCE		NAME		DATE	
		SIZE		VERSION	
DRAWG		QTY.		SCALE	
		MATERIAL		SURFACE TREATMENT	
CHECK		PERSPECTIVE		MATERIAL CODE	
		THIRD ANGLE		ZeroErr Control Co., Ltd	
APPROV		THIRD ANGLE		ZeroErr Control Co., Ltd	
		THIRD ANGLE		ZeroErr Control Co., Ltd	

MILLIMETERS