



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

Motor parameters	
No. of poles	16
DC Link Voltage	48
Rated Power	75
Rated Torque	0.24
Rated Speed	3000
Rated Current	1.91
Maximum torque	0.72
Maximum Current	5.9
Standstill torque	0.27
Standstill current	2.15
Resistance line-line	2.59
Close circuit inductance	2.07
Voltage constant	7.24
Torque constant	0.12

Harmonic gear-ratio	14-50	14-80	14-100
Peak torque for start and stop ( Nm )	12	16	19
Permissible max.value of ave.load torque(Nm)	4.8	7.7	7.7
Rated torque(Nm)	3.7	5.4	5.4
Permissible max. momentary torque(Nm)	23	35	35
Max. output rotational speed(RPM) [Using 48V operating at rated torque]	60	37.5	30
With brakes	Rotor inertia(g·mm <sup>3</sup> )	46885	
	OD*Length(mm)	Ø70*67.7	
	Weight(kg)	0.83	
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		eRob 70F(WITH BRAKES)	
		eRob70FxxI-B-XX-18EX_V3	
		QTY.	
		SCALE	
		MATERIAL	
		SURFACE TREATMENT	
		1:1	
		DRAWG	
		A3	
		MC2A.BX.XX	
		MATERIAL CODE	
		PERSPECTIVE	
		THIRD ANGLE	
		ZeroErr Control Co., Ltd	

MILLIMETERS