



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)				60	37.5	30			
Without brakes	Rotor inertia(g·mm ²)			43656					
	OD*Length(mm)			Ø 70*60.4					
	Weight(kg)			0.77					
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 70F(WITHOUT BRAKES)		eRob70F××I-F-XX-18CX_V3					
UNSPECIFIED DIMENSIONAL TOLERANCE			NAME	DATE	SIZE	VERSION		1:1	
> 0.5-3	±0.1								
> 3-6	±0.1	DRAWG			A3	MC2A.AX.XX	MATERIAL CODE		
> 6-30	±0.2								
> 30-120	±0.3	CHECK			PERSPECTIVE		 ZeroErr Control Co., Ltd		
> 120-400	±0.5	APPROV			THIRD ANGLE				
ANGULAR TOLERANCE:±1°									

MILLIMETERS