



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 ²)		46885						
		OD*Length(mm)		∅ 70*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.		QTY.	SCALE	MATERIAL	SURFACE TREATMENT
		eRob 70F(WITH BRAKES)			eRob70F**I-B-XX-18CX_V3					
UNSPECIFIED DIMENSIONAL TOLERANCE										
> 0.5-3	±0.1	DRAWG	NAME	DATE	SIZE	VERSION	1:1			
> 3-6	±0.1									
> 6-30	±0.2									
> 30-120	±0.3									
> 120-400	±0.5	CHECK	PERSPECTIVE				ZeroErr Control Co., Ltd			
ANGULAR TOLERANCE±1°		APPROV	THIRD ANGLE 							

MILLIMETERS