



NOTE:

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

		Harmonic gear-ratio		14-50		14-100					
		Peak torque for start and stop (Nm)		12		19					
		Rated torque(Nm)		3.7		5.4					
		Permissible max. momentary torque(Nm)		23		35					
Motor parameters		Max. output rotational speed(RPM)		60		30					
No. of poles	16	Without brakes	Rotor inertia(g·mm ²)		43656						
DC Link Voltage	48		OD*Length(mm)		Ø 70*60.4						
Rated Power	75		Weight(kg)		0.77						
Rated Torque	0.24	Common parameters				Supply voltage: 48V(±10%) Inner diameter:18mm IP54 & Friction brake					
Rated Speed	3000										
Rated Current	1.91	Optional device				Communication type: EtherCAT/CANopen/Modbus Output encoder resolution:19/20 Bit RP/AP:±7/±15 arc sec or ±10/±25 arc sec					
Maximum torque	0.72										
Maximum Current	5.9										
Standstill torque	0.27	UNLESS OTHERWISE SPECIFIED, DIMENSIONS APPLY BEFORE COATINGS REMOVE ALL SHARP BURRS AND BREAK ALL SHARP EDGES		MODEL		DRAWG NO.		QTY.	SCALE	MATERIAL	SURFACE TREATMENT
Standstill current	2.15			eRob 70F(WITHOUT BRAKES)		eRob70F**I-F-XX-18EX_V3					
Resistance line-line	2.59	UNSPECIFIED DIMENSIONAL TOLERANCE									
Close circuit inductance	2.07	> 0.5-3	±0.1	DRAWG	NAME	DATE	SIZE	VERSION		1:1	
		> 3-6	±0.1								
		> 6-30	±0.2								
Voltage constant	7.24	> 30-120	±0.3	CHECK			PERSPECTIVE				
		> 120-400	±0.5								
Torque constant	0.12	ANGULAR TOLERANCE:±1°		APPROV			THIRD ANGLE		 ZeroErr Control Co., Ltd		