



Harmonic gear-ratio	25-50	25-80	25-100	25-120	25-160
Peak torque for start and stop (Nm)	127	178	204	217	229
Permissible max.value of ave.load torque(Nm)	72	113	140	140	140
Rated torque(Nm)	51	82	87	87	87
Permissible max. momentary torque(Nm)	242	332	369	395	408
Max. output rotational speed(RPM)	60	37.5	30	25	18.75

Without brakes	Rotor inertia($g \cdot mm^2$)	308632
	OD*Length(mm)	$\phi 110 \times 80.2$
	Weight(kg)	2.57
With brakes	Rotor inertia ($g \cdot mm^2$)	316600
	OD*Length(mm)	$\phi 110 \times 80.2$
	Weight(kg)	2.68

Common parameters		Supply voltage: 48V($\pm 10\%$) Inner diameter: 18mm IP54 & Friction brake			
Optional device		Communication type: EtherCAT/CANopen/Modbus Output encoder resolution: 19/20 Bit RP/AP: $\pm 7/\pm 15$ arc sec or $\pm 10/\pm 25$ arc sec			

Motor parameters	
No. of poles	16
DC Link Voltage(V)	48
Rated Power(W)	723
Rated Torque(N·m)	2.3
Rated Speed(rpm)	3000
Rated Current(A)	18.9
Maximum torque(N·m)	6.9
Maximum Current(A)	56.7
Standstill torque(N·m)	2.53
Standstill current(A)	20.79
Resistance line-line(Ω)	0.07
Close circuit inductance(mH)	0.21
Voltage constant(V/krpm)	8.1
Torque constant(Nm/A)	0.134

UNLESS OTHERWISE SPECIFIED: DIMENSIONS APPLY BEFORE COATINGS REMOVE ALL SHARP BURRS AND BREAK ALL SHARP EDGES		MODEL		DRAWG NO.		QTY.	SCALE	MATERIAL	SURFACE TREATMENT
		eRob110I		eRob110H×I-XX-18CX_V6					
UNSPECIFIED DIMENSIONAL TOLERANCE									
> 0.5-3	±0.1	DRAWG	NAME	DATE	SIZE	VERSION	2:3		
> 3-6	±0.1				A3	MC2D.BX.XX			
> 6-30	±0.2	CHECK			PERSPECTIVE		MATERIAL CODE		
> 30-120	±0.3								
> 120-400	±0.5	APPROV			THIRD ANGLE				
ANGULAR TOLERANCE:±1°									
								ZeroErr Control Co., Ltd	

MILLIMETERS