



NOTE:

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

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) [Using 48V operating at rated torque]	60	37.5	30	25	18.75

Without brakes	Rotor inertia(g·mm <sup>2</sup> )	308632			
	OD*Length(mm)	$\phi 110 \times 80.2$			
	Weight(kg)	2.57			
With brakes	Rotor inertia (g·mm <sup>2</sup> )	316600			
	OD*Length(mm)	$\phi 110 \times 80.2$			
	Weight(kg)	2.68			
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			

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( $\Omega$ )	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-18EX_V6					
UNSPECIFIED DIMENSIONAL TOLERANCE			NAME	DATE	SIZE	VERSION		2:3	
> 0.5-3	±0.1	DRAWG			A3	MC2E.DX.XX	MATERIAL CODE		
> 3-6	±0.1								
> 6-30	±0.2								
> 30-120	±0.3	CHECK			PERSPECTIVE		 ZeroErr Control Co., Ltd		
> 120-400	±0.5								
ANGULAR TOLERANCE:±1°		APPROV			THIRD ANGLE				

MILLIMETERS