



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

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·mm <sup>2</sup> )	308632							
	OD*Length(mm)	Ø 110x80.2							
	Weight(kg)	2.57							
With brakes	Rotor inertia (g·mm <sup>2</sup> )	316600							
	OD*Length(mm)	Ø 110x80.2							
	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							
UNLESS OTHERWISE SPECIFIED: DIMENSIONS APPLY BEFORE COATINGS REMOVE ALL SHARP BURRS AND BREAK ALL SHARP EDGES		MODEL		DRAWG NO.		QTY.	SCALE	MATERIAL	SURFACE TREATMENT
UNSPECIFIED DIMENSIONAL TOLERANCE		eRob110I		eRob110H××I-XX-18EX_V6					
> 0.5-3	±0.1		NAME	DATE	SIZE	VERSION		2:3	
> 3-6	±0.1	DRAWG			A3	MC2D.BX.XX	MATERIAL CODE		
> 6-30	±0.2								
> 30-120	±0.3	CHECK			PERSPECTIVE		 ZeroErr Control Co., Ltd 零误云控		
> 120-400	±0.5	APPROV			THIRD ANGLE				

MILLIMETERS