



Motor parameters	
No. of poles	10
DC Link Voltage(V)	48
Rated Power(W)	750
Rated Torque(N·m)	2.4
Rated Speed(rpm)	2000
Rated Current(A)	20
Maximum torque(N·m)	7.2
Maximum Current(A)	40
Resistance line-line( $\Omega$ )	0.119
Inductance line-line(mh)	0.2
Voltage constant(V/krpm)	8.65
Torque constant(Nm/A)	0.112

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> )		252193							
	OD*Length(mm)		Ø 116*147.5							
	Weight(kg)		4.52							
With brakes	Rotor inertia (g·mm <sup>2</sup> )		260161							
	OD*Length(mm)		Ø 116*147.5							
	Weight(kg)		4.64							
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  UNSPECIFIED DIMENSIONAL TOLERANCE			MODEL		DRAWING NO.		QTY.	SCALE	MATERIAL	SURFACE TREATMENT
			eRob 110I		eRob110H×T-XX-18XX_V3					
				NAME	DATE	SIZE	VERSION		1:2	
			DRAWG			A3	MC1A.XX.XX	MATERIAL CODE		
			CHECK			PERSPECTIVE		 ZeroErr Control Co., Ltd		
APPROV			THIRD ANGLE							
ANGULAR TOLERANCE±1°										

MILLIMETERS