



Harmonic gear-ratio	32-50	32-80	32-100	32-120	32-160
Peak torque for start and stop (Nm)	281	395	433	459	484
Permissible max.value of ave.load torque(Nm)	140	217	281	281	281
Rated torque(Nm)	99	153	178	178	178
Permissible max. momentary torque(Nm)	497	738	841	892	892
Max. output rotational speed(RPM)	40	25	20	16.7	12.5

Without brakes	Rotor inertia($g \cdot mm^2$)	1244894			
	OD*Length(mm)	$\phi 142 \times 133.9$			
	Weight(kg)	6.49			
With brakes	Rotor inertia ($g \cdot mm^2$)	1273287			
	OD*Length(mm)	$\phi 142 \times 133.9$			
	Weight(kg)	6.7			
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	10
DC Link Voltage(V)	48
Rated Power(W)	1000
Rated Torque(N·m)	4.78
Rated Speed(rpm)	2000
Rated Current(A)	22
Maximum torque(N·m)	14.3
Maximum Current(A)	71
Standstill torque(N·m)	5.25
Standstill current(A)	24.12
Resistance line-line(Ω)	0.059
Close circuit inductance(mH)	0.32
Voltage constant(V/krpm)	13.5
Torque constant(Nm/A)	0.22

UNLESS OTHERWISE SPECIFIED: DIMENSIONS APPLY BEFORE COATINGS REMOVE ALL SHARP BURRS AND BREAK ALL SHARP EDGES		MODEL		DRAWG NO.		QTY.	SCALE	MATERIAL	SURFACE TREATMENT
		eRob 142I		eRob142H××I-XX-18EX_V4					
UNSPECIFIED DIMENSIONAL TOLERANCE									
> 0.5-3	±0.1	NAME	DATE	SIZE	VERSION	2:3			
> 3-6		DRAWG		A3	MC2B.BX.XX	MATERIAL CODE			
> 6-30	±0.2								
> 30-120	±0.3	CHECK		PERSPECTIVE		<div> ZeroErr Control Co., Ltd</div>			
> 120-400	±0.5								
ANGULAR TOLERANCE: ±1°		APPROV		THIRD ANGLE					

MILLIMETERS