



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

Motor parameters	
No. of poles	16
DC Link Voltage(V)	48
Rated Power(W)	100
Rated Torque(N·m)	0.32
Rated Speed(rpm)	3000
Rated Current(A)	2.55
Maximum torque(N·m)	0.96
Maximum Current(A)	7.8
Standstill torque(N·m)	0.36
Standstill current(A)	2.87
Resistance line-line(Ω)	1.99
Close circuit inductance(mH)	1.88
Voltage constant(V/krpm)	8.0
Torque constant(Nm/A)	0.132

Harmonic gear-ratio		14-50	14-80	14-100	14-120
Peak torque for start and stop (Nm)		23	30	36	36
Permissible max.value of ave.load torque(Nm)		9	14	14	14
Rated torque(Nm)		7	10	10	10
Permissible max. momentary torque(Nm)		46	61	70	70
Max. output rotational speed(RPM) [Using 48V operating at rated torque]		60	37.5	30	25
Without brakes	Rotor inertia(g·mm ²)	47767			
	OD*Length(mm)	$\phi 70 \times 75.3$			
	Weight(kg)	0.87			
With brakes	Rotor inertia (g·mm ²)	50996			
	OD*Length(mm)	$\phi 70 \times 75.3$			
	Weight(kg)	0.93			
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.	
		eRob 70I		eRob70H××I-XX-18CX_V4	
UNSPECIFIED DIMENSIONAL TOLERANCE		NAME		DATE	
		SIZE		VERSION	
DRAWG		A3		MC2B.DX.XX	
		MATERIAL CODE			
CHECK		PERSPECTIVE			
		THIRD ANGLE			
APPROV					
ANGULAR TOLERANCE:±1°					
MILLIMETERS					