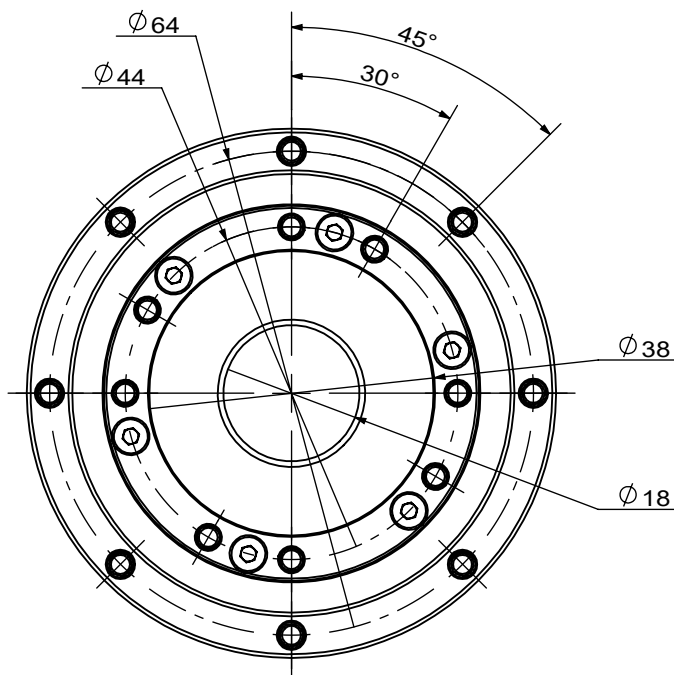
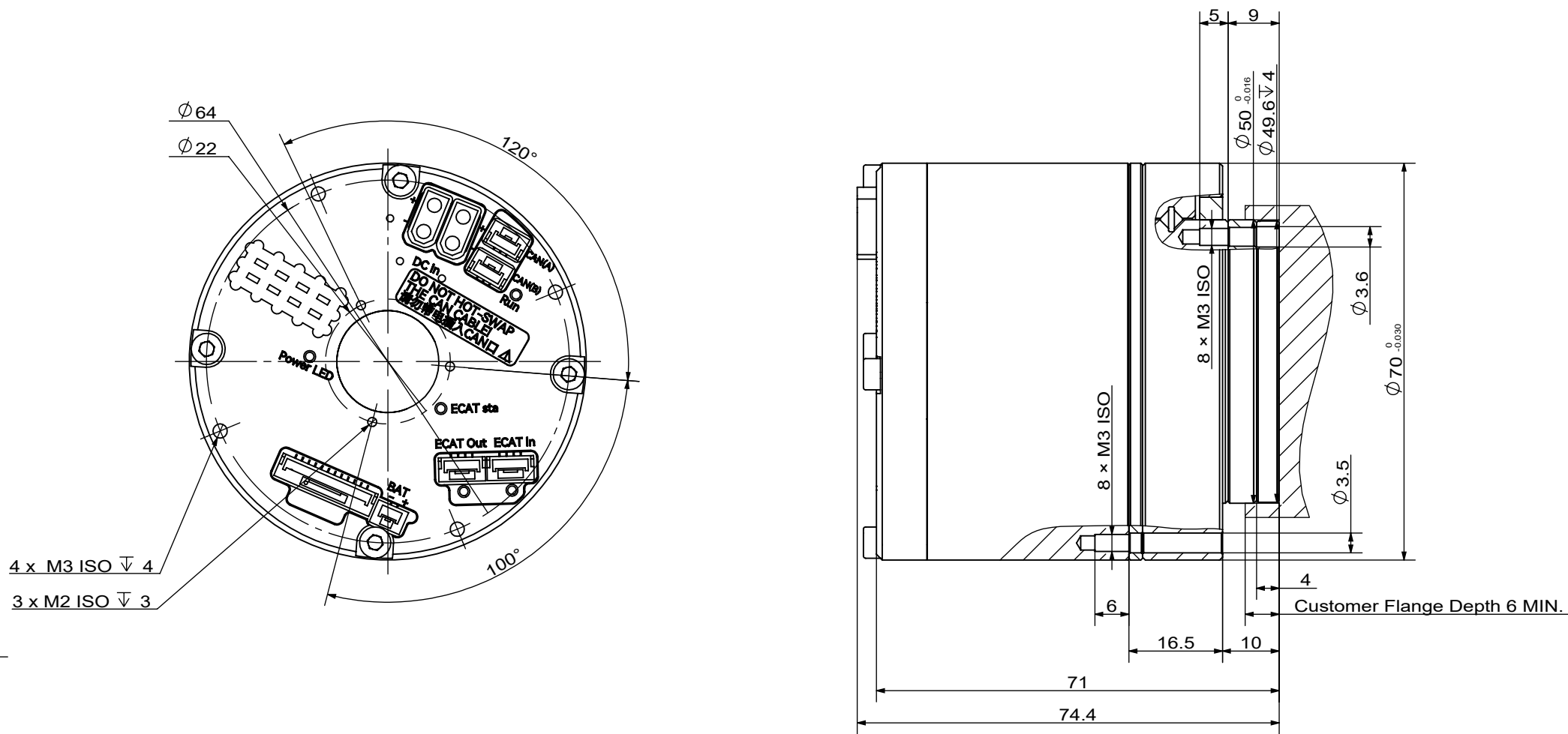



NOTE:  
1. UNSPECIFIED GEOMETRIC TOLERANCE GB/T1184-H (ISO 2768-2)  
2. DIMENSIONS ARE MEASURED AT 20°C



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( $\Omega$ )	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 <sup>2</sup> )	22674								
	OD*Length(mm)	Ø 70*71								
	Weight(kg)	0.82								
With brakes	Rotor inertia (g·mm <sup>2</sup> )	26128								
	OD*Length(mm)	Ø 70*71								
	Weight(kg)	0.88								
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
		eRob 70I		eRob70H*xI-XX-18EX_V5						
UNSPECIFIED DIMENSIONAL TOLERANCE			NAME	DATE	SIZE	VERSION		1:1		
> 0.5-3		±0.1	DRAWG		A3	MC2D.DX.XX	MATERIAL CODE			
> 3-6		±0.1								
> 6-30		±0.2								
> 30-120		±0.3		CHECK	PERSPECTIVE			ZeroErr™ ZeroErr Control Co., Ltd		
> 120-400		±0.5	APPROV		THIRD ANGLE					
ANGULAR TOLERANCE±1°										

**MILLIMETERS**