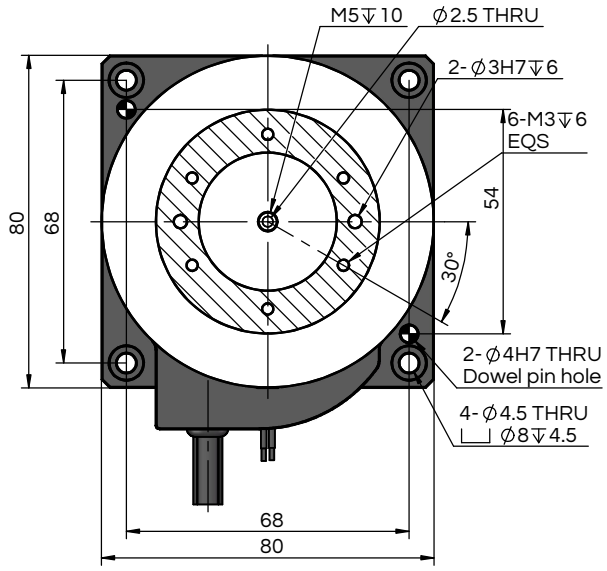
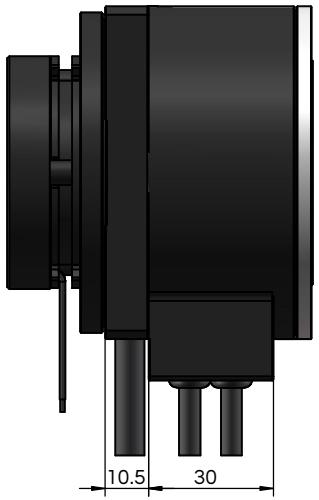
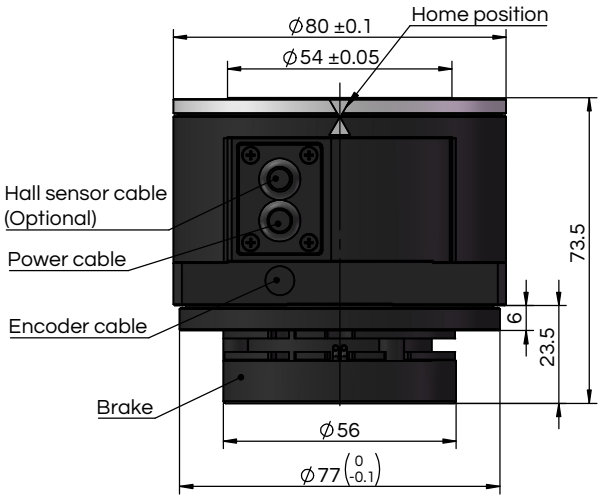
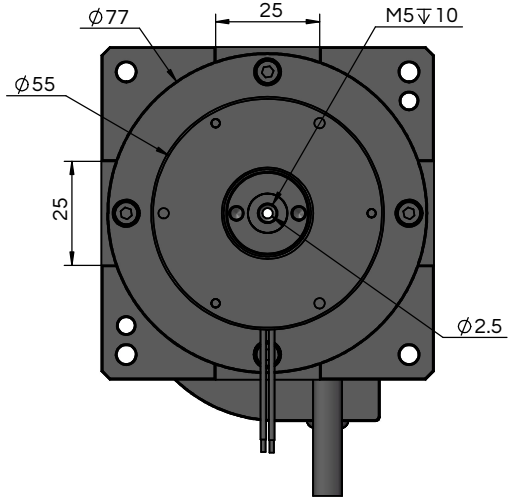








NOTE:
1.Please make sure the flatness of customer's surface when mounting the motor must be within 0.01/300 mm.
2.The mounting surface without black oxidation.

Wiring Definition	Installation Instructions	Maintenance Instructions

No.	Specification	Unit	Value
1	Continuous Torque	Nm	1.1
2	Peak Torque	Nm	3.3
3	Rated Speed	Rpm	300
4	Maximum Speed	Rpm	500
5	Continuous Current	Arms	0.9
6	Peak Current	Arms	3.1
7	Torque Constant	Nm/Arms	1.2
8	Back EMF Constant*	Vrms/rad/s	0.82
9	Resistance Phase to Phase at 25°C	Ω	23.2
10	Inductance Phase to Phase at 25°C	mH	18.9
11	Number of poles	-	20
12	Rotor Inertia	$kg{\cdot}m^2$	0.0002
13	Incremental encoder resolution	ppr	1800000
14	Absolute encoder resolution	ppr	24bit (optional)
15	Absolute Position Accuracy	arcsec	±30
16	Repeat Position Accuracy	arcsec	±4
17	Axial Load	N	800
18	Radial Load	Nm	9
19	Axial Run Out*2	um	20/5 (optional)
20	Radial Run Out*3	um	20 (optional)
21	Mass	kg	1.6
22	Static Friction Torque	Nm)	Minl.0
23	Rated Voltage	V	DC12V
24	Starting Voltage	V	≤DC10
25	Holding Excitation Voltage	V	≤DC5
26	IP level	-	40
27	Motor Color	-	black
28	Max. DC BUS	V	220

*1 The back electromotive force (back EMF) is the value measured between any two conductors when the motor is running at a constant speed.
*2 *3 Please contact sales.

ITEM	DATE	MODIFIED	DESCRIPTION	APPD

TKOOLLE MOTION CONTROL	SCALE	1:X	UNIT	mm		Model	TDDI-080050-E		
						Desc	Rotary Motor		
	GENERAL TOLERANCE					Surface	Black oxidation	DRN	Tang
	Up to 6	6 30	30 120	120 300	300 600	DWG.NO	M080A010	CHK	Zhou
	±0.1	±0.2	±0.3	±0.4	±0.5	Sheet	1-1	APPD	Le
TKOOLLE MOTION CONTROL INTERNATIONAL CO.,LIMITED						DATE	17-Jul-25		