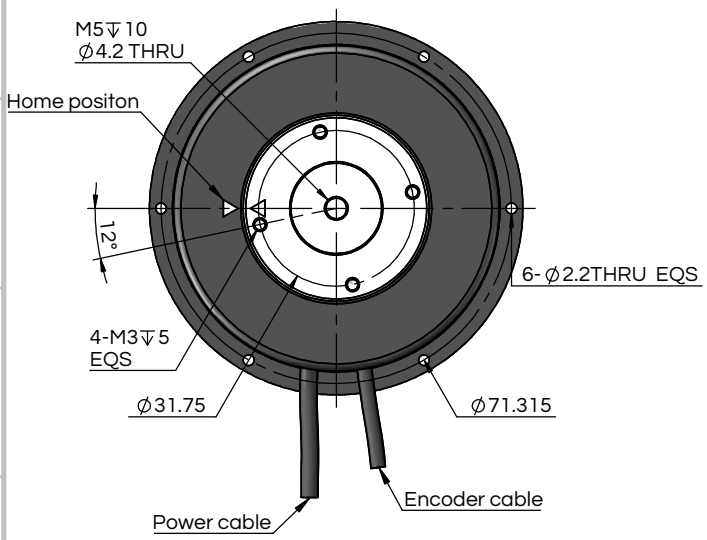
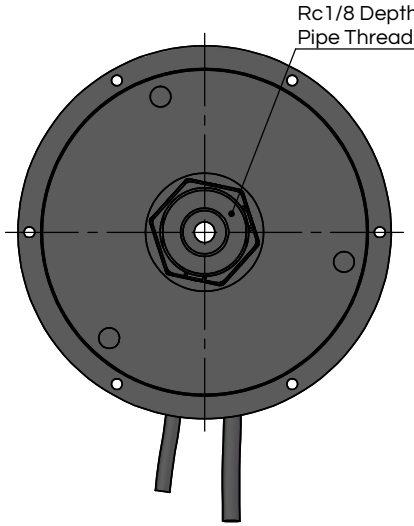
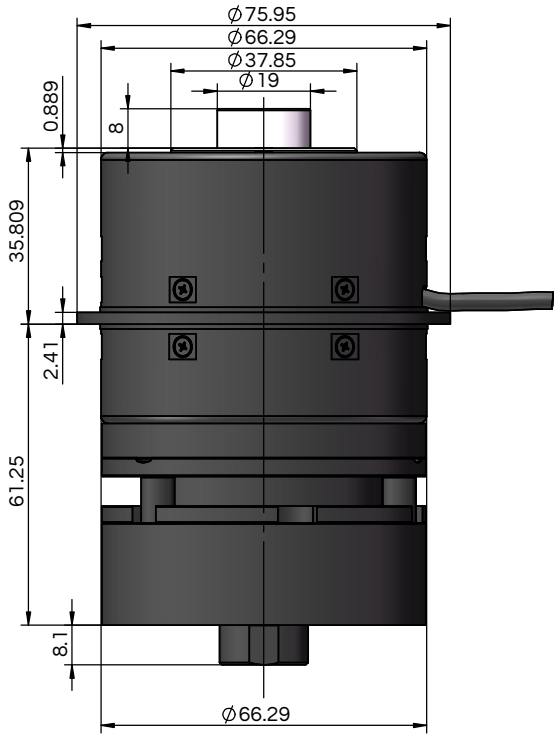






No.	Specification	Unit	Value
1	Continuous Torque	Nm	0.28
2	Peak Torque	Nm	1.1
3	Rated Speed	Rpm	300
4	Maximum Speed	Rpm	400
5	Continuous Current	Arms	1.6
6	Peak Current	Arms	6.4
7	Torque Constant	Nm/Arms	0.18
8	Back EMF Constant*	Vrms/rad/s	0.12
9	Resistance Phase to Phase	Ω	4.1
10	Inductance Phase to Phase	mH	3.2
11	Number of poles	-	20
12	Rotor Inertia	$kg{\cdot}m^2$	0.000044
13	Incremental encoder resolution	ppr	1800000
14	Absolute encoder resolution	ppr	24bit (16777216)
15	Absolute Position Accuracy	arcsec	±25
16	Repeat Position Accuracy	arcsec	±3
17	Axial Load	N	1200
18	Radial Load	Nm	8
19	Axial Run Out*2	um	5 (optional)
20	Radial Run Out*3	um	10 (optional)
26	Mass	kg	1.6
21	Rated Voltage	V	DC 24
22	Holding Torque	Nm	3
23	RatedPower	W	11.5
24	ReleaseTime	ms	200
25	Brake Time	ms	300
27	IP level	-	40
28	Motor Color	-	black
29	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.

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

ITEM	DATE	MODIFIED	DESCRIPTION	APPD

TKOOLLE MOTION CONTROL	SCALE	1:X	UNIT	mm			Model	TDDI-065056-E		
							Desc	Rotary Motor		
	GENERAL TOLERANCE						Surface	Black oxidation	DRN	Tang
	Up to 6	6 to 30	30 to 120	120 to 300	300 to 600		DWG.NO	M065A008	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		