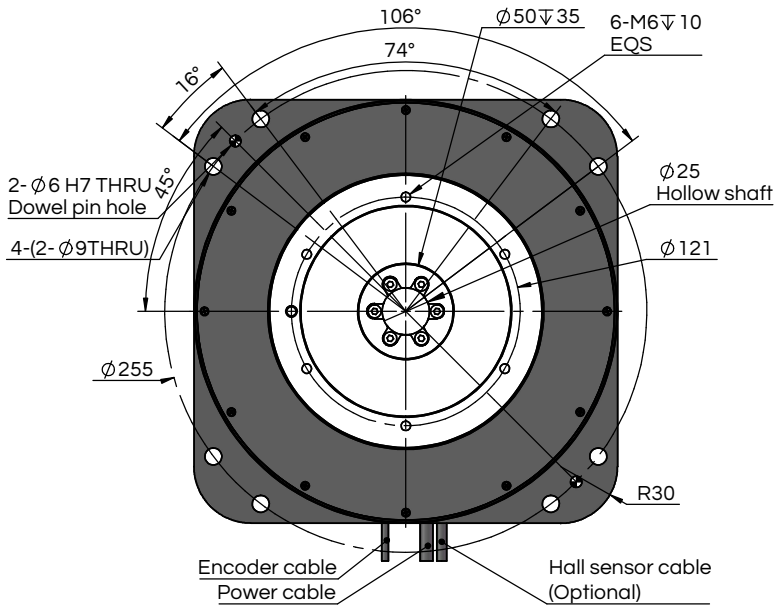
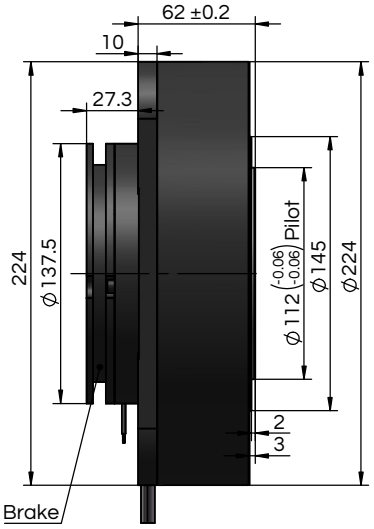
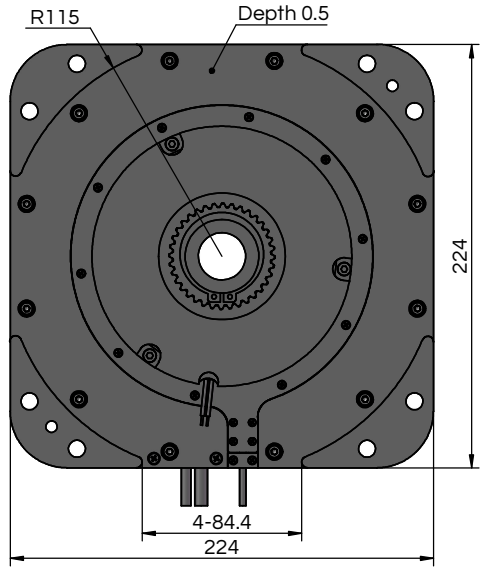






No.	Specification	Unit	Value
1	Continuous Torque	Nm	41
2	Peak Torque	Nm	119
3	Rated Speed	Rpm	100
4	Maximum Speed	Rpm	200
5	Continuous Current	Arms	3
6	Peak Current	Arms	9
7	Torque Constant	Nm/Arms	6.3
8	Back EMF Constant*	Vrms/rad/s	3.8
9	Resistance Phase to Phase at 25°C	Ω	13.8
10	Inductance Phase to Phase at 25°C	mH	41.2
11	Number of poles	-	40
12	Rotor Inertia	$kg{\cdot}m^2$	0.022
13	Incremental encoder resolution	ppr	3100000
14	Absolute encoder resolution	ppr	24bit (16777216)
15	Absolute Position Accuracy	arcsec	±15
16	Repeat Position Accuracy	arcsec	±2
17	Axial Load	N	16000
18	Radial Load	Nm	130
19	Axial Run Out*2	um	20/5/3
20	Radial Run Out*3	um	20/5/3
21	Mass	kg	17
22	Brake Torque	Nm	20
23	Supply Voltage	DC	24
24	Operating Environment	°C	0-40
25	IP level	-	40
26	Motor Color	-	black
27	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-224062-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	M224A071	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