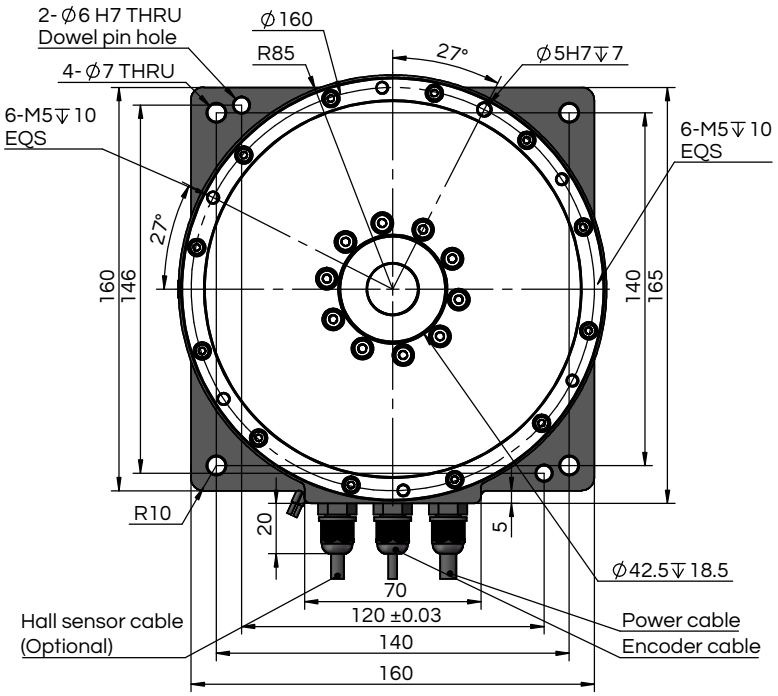
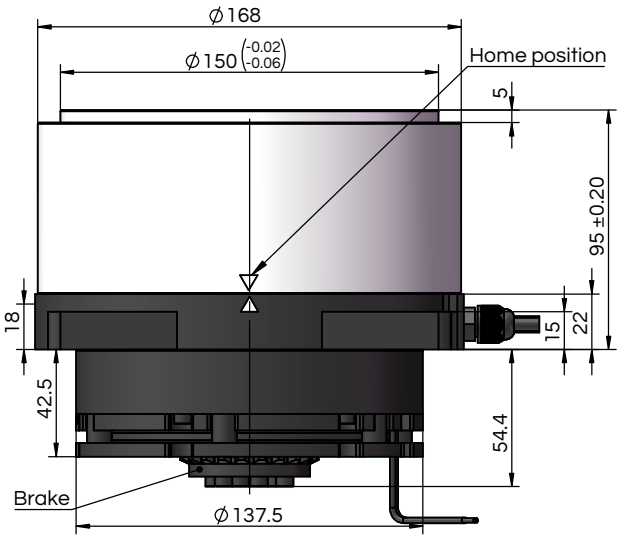
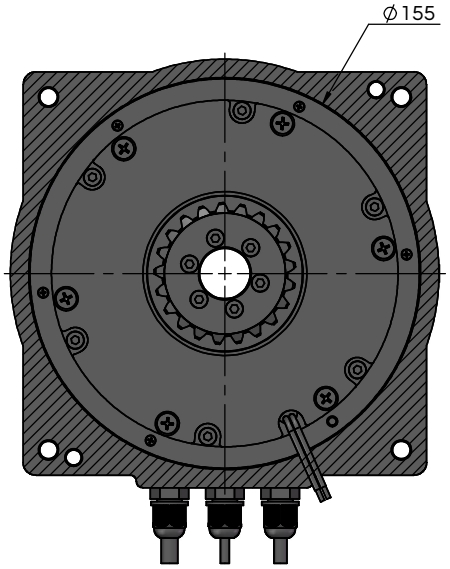






No.	Specification	Unit	Value
1	Continuous Torque	Nm	28
2	Peak Torque	Nm	83
3	Rated Speed	Rpm	150
4	Maximum Speed	Rpm	200
5	Continuous Current	Arms	2.8
6	Peak Current	Arms	8.4
7	Torque Constant	Nm/Arms	10
8	Back EMF Constant*	Vrms/rad/s	6.14
9	Resistance Phase to Phase at 25°C	Ω	21.3
10	Inductance Phase to Phase at 25°C	mH	57.1
11	Number of poles	-	22
12	Rotor Inertia	$kg{\cdot}m^2$	0.02
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	9000
18	Radial Load	Nm	50
19	Axial Run Out*2	um	20/5/3
20	Radial Run Out*3	um	20/5/3
21	Mass	kg	11
22	Rated Voltage	V	DC24±10%
23	Rated Power	W	32.2
24	Static Friction Torque	Nm	min55
25	Insulation Class	-	F
26	Insulation Withstand Voltage	V 1s	AC1200
27	Rotational Angle	°	≤0.5
28	Operating Environment	°C	-10 to +40
29	Starting Voltage	V	Max18
30	Holding Voltage	V	18
31	Temperature Rise	°C	45K
32	Static Brake Life	10,000 times	100
33	Dynamic Brake Life	times	200
34	IP level	-	40
35	Motor Color	-	black
36	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	UNIT		Model	TDDE-170095-E		
1:X	mm		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	M170A049	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