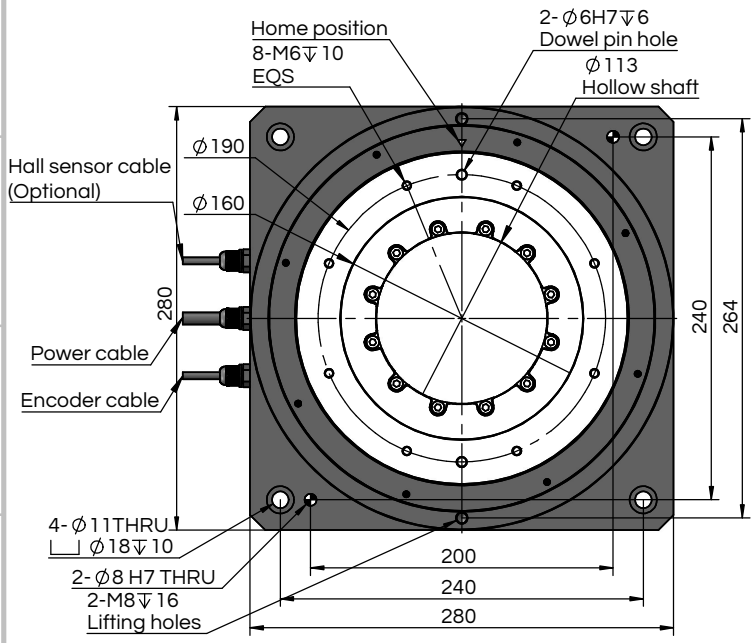
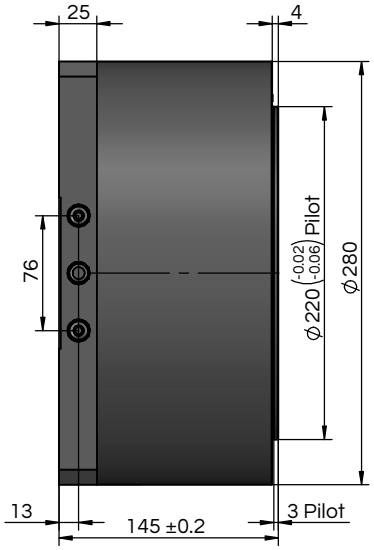
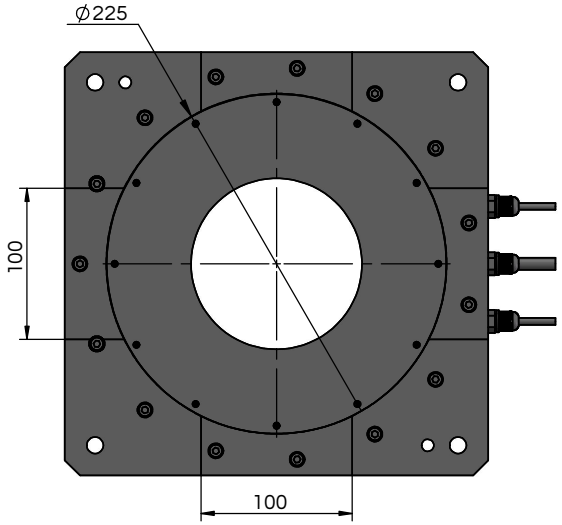






No.	Specification	Unit	Value
1	Continuous Torque	Nm	110
2	Peak Torque	Nm	380
3	Rated Speed	Rpm	60
4	Maximum Speed	Rpm	80
5	Continuous Current	Arms	7.6
6	Peak Current	Arms	22.8
7	Torque Constant	Nm/Arms	14.5
8	Back EMF Constant*	Vrms/rad/s	10.9
9	Resistance Phase to Phase at 25°C	Ω	4.1
10	Inductance Phase to Phase at 25°C	mH	16.1
11	Number of poles	-	40
12	Rotor Inertia	$kg{\cdot}m^2$	0.0776
13	Incremental encoder resolution	ppr	4720000
14	Absolute encoder resolution	ppr	/
15	Absolute Position Accuracy	arcsec	±15
16	Repeat Position Accuracy	arcsec	±2
17	Axial Load	N	6000
18	Radial Load	Nm	100
19	Axial Run Out*2	um	5(optional)
20	Radial Run Out*3	um	5(optional)
21	Mass	kg	42
22	IP level	-	40
23	Motor Color	-	black
24	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	TDI-280145-P		
1:X	mm		Desc	Rotary Motor		
GENERAL TOLERANCE			Surface	Black oxidation	DRN	Tang
Up to 6	6 30	30 120	120 300	300 600	DWG.NO	M280A105	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