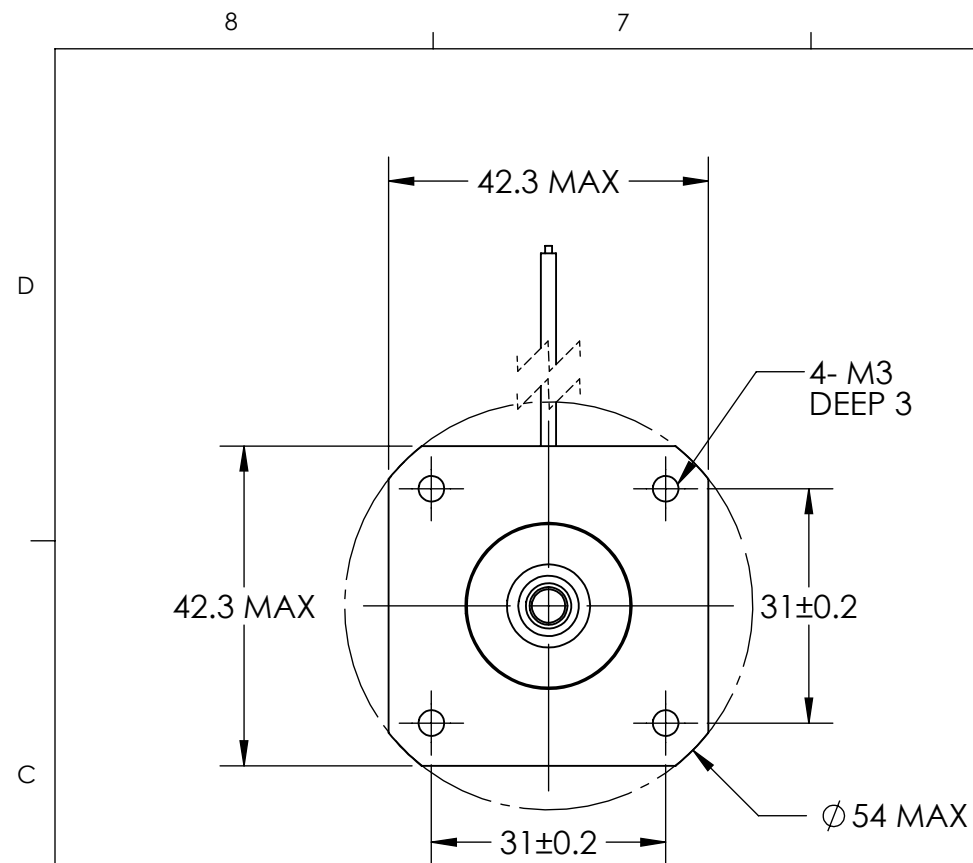
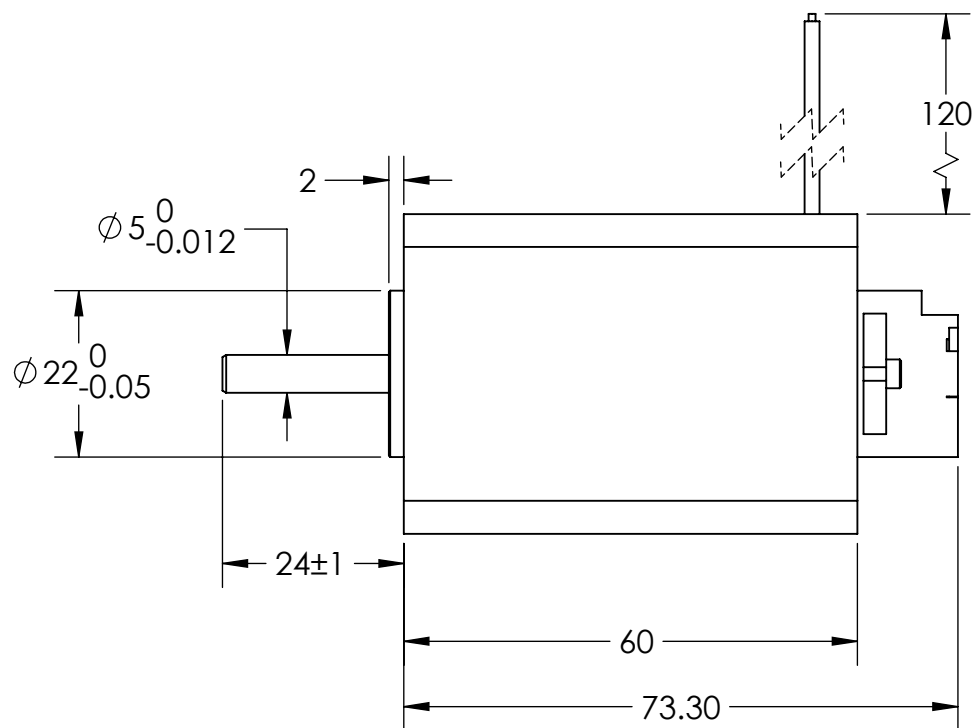




EC4260 Specifications		
Parameter	Unit	Value
Rated Power	W	60.00
Rated Voltage	VDC	48.00
Continuous Stall Torque	N-m	0.12
Max Torque	N-m	0.24
Rated Speed/Max Speed	rpm	4000/6800
Rated Current	A _(peak)	1.82
Max. Current	A _(peak)	3.63
Ke : Back EMF Constant	V _(peak) /krpm	7.00
Kt : Torque Constant	Nm/A _(peak)	0.066
Resistance	Ω	2.10
Inductance	mH	3.00
Moment of Inertia	gcm ²	48.00
Number of Poles	#	8.00
Mass	g	440
Winding Type	3-phase	
Hall Sensors	120° electrical spacing	
Pole Count	8	
Shaft Runout	.025 mm	
Radial Play	.02 mm @ 450 g	
End Play	.08 mm @ 450 g	
Max Radial Force	28 N @20 mm from flange	
Max Axial Force	10N	
Insulation Class	B	
Dielectric Strength	500 VDC for 60s	
Insulation Resistance	>100MΩ, 500 VDC	



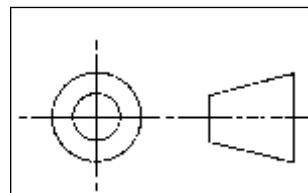
Encoder Specifications	
Feedback Type	Magnetic Incremental Encoder
Power Requirements	5 VDC $\pm 10\%$
Resolution	4096 counts/rev.
Signals	A+, A-, B+, B-, Z+, Z-

PIN 1	5 V
PIN 2	A+
PIN 3	A-
PIN 4	B+
PIN 5	B-
PIN 6	Z+
PIN 7	Z-
PIN 8	GND



HALL SENSORS AWG 26				
5VDC	GND	A	B	C
RED	BLK	BLU	GRN	WHT

Motor Cable		
A	B	C
WHT	RED	BLK



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UNLESS OTHERWISE SPECIFIED:		
DRAWING SYMBOLS & TOLERANCES PER ANSI Y14.5 DIMENSIONS ARE METRIC TOLERANCES:		
DECIMALS	LINEAR	ANGULAR
.X	±0.2	±0.5DEG
.XX	±0.02	±0.2DEG
.XXX	±0.005	±0.01DEG
INTERPRET GEOMETRIC TOLERANCING PER: ANSI Y14.5		
MATERIAL SEE CHART		
FINISH Clean		
DRAWN Sun KPO 10/11/2019		



Orbex Group

TITLE:

EC4260

SIZE B	PRT. NO. 100118	REV A
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SCALE: 1:1

SHEET 1 OF 1

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	CUSTOMER INFORMATIONAL	10/11/2019	RA