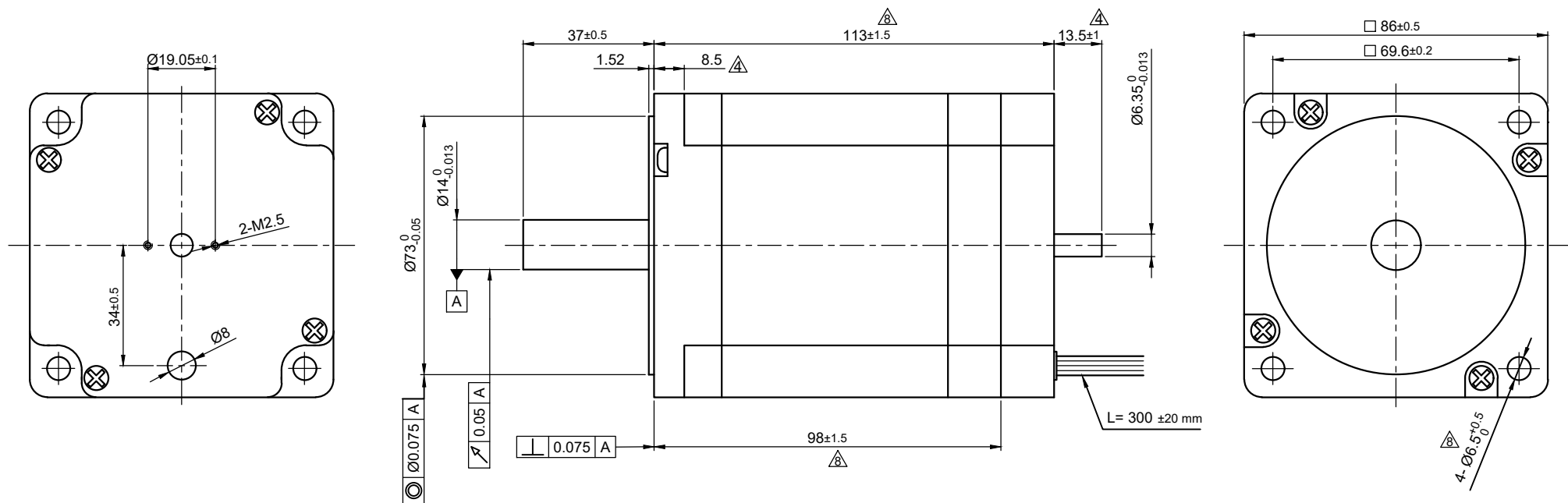




MOTOR SPECIFICATION

No. of Poles	8
Rated Voltage	V DC 48
Current - Rated / Peak	A 10.77 32.31
Resistance Line to Line	±15% Ω 0.15
Inductance Line to Line (1kHz)	±20% mH 0.47
Torque - Rated / Peak	Nm 1.4 4.2
Torque Constant	Nm/A 0.13
Power - Rated	W 440
Speed - No Load / Rated	±10% rpm 3500 3000
Rotor Inertia	kg m ² 160 x10 ⁻⁶

WIRING DIAGRAM

	Colour	Function	Lead Gauge
Motor 8 Pol.	Ye	U	AWM3135 AWG16
	Rd	V	
	Bk	W	
Hall 24 Impl. per Rev.	Rd	+5V	UL1332 AWG22
	Bu	H1	
	Wh	H2	
	Gn	H3	
	Bk	GND	

A-Shaft	Preload Spring	B-Shaft
Fa	Fr	ax
Max. Axial Force Fa	N	60
Max. Radial Force Fr (a1 = 20 mm)	N	220
Axial Play Fa = 4.5 N	mm	0.08
Radial Play Fr = 4.5 N	mm	0.02

GENERAL MOTOR SPECIFICATION

Ambient Temperature	°C	Min. -10	Max. 50
Max. Temperature Rise (at standstill - 2 phases energized)	°C	80	
Max. Ambient Humidity (non condensing)	%	85	
Insulation Class		B	
Insulation Resistance	MΩ	100	
Dielectric Strength (for 1 min - coil to case)	V AC	500	

ISO 8015	ISO 1302	ISO 2768 cK	ISO 13715
			Date
			Name
08	change diameter + tol.	Reith_S	Drawn 04.12.2017 Import
07	change induc./resist.		Reviewed 01.02.2018 Schneid_A
05	change NO-LOAD-SPEED		Released 01.02.2018 Schneid_A
REV	Rev. Text	Name	Rel. Date



Weight: ~2.6 kg	
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State: Released	Rev: 08
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