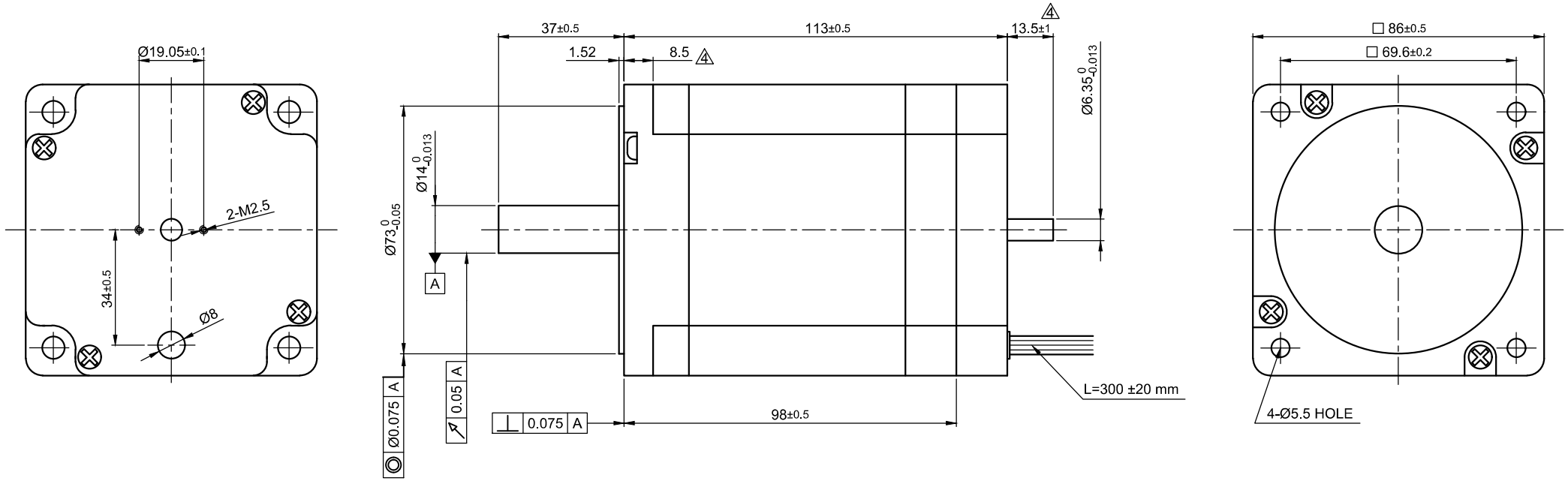
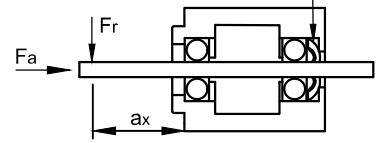


MOTOR SPECIFICATION				
No. of Poles			8	
Rated Voltage		V DC	48	
Current - Rated / Peak		A	10.77	32.31
Resistance Line to Line	±15%	Ω	0.15 7 6 1	
Inductance Line to Line (1kHz)	±20%	mH	0.47 7 6 1	
Torque - Rated / Peak		Nm	1.4	4.2
Torque Constant		Nm/A	0.13	
Power - Rated		W	440 3	
Speed - No Load / Rated	±10%	rpm	3500 5	3000
Rotor Inertia		kg m²	160	x10⁻⁶

WIRING DIAGRAM				
	Colour	Function	Lead Gauge	
Motor 8 Pol.	Ye	U	AWM3135 AWG16	1 2
	Rd	V		
	Bk	W		
Hall 24 Impl. per Rev.	Rd	+5V	UL1332 AWG22	1
	Bu	H1		
	Wh	H2		
	Gn	H3		
	Bk	GND		

A-Shaft	Preload Spring	B-Shaft



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 2768-1 cK	ISO 13715	Weight: 2.6 kg

					Date	Name
				Drawn	04.12.2017	Import
				Checked	01.02.2018	Schneid_A
07	change induc./resist.	Schneid_A	21.06.2018	Approved	01.02.2018	Schneid_A
05	change NO-LOAD-SPEED	Schneid_A	01.02.2018	Nanotec® PLUG & DRIVE		
REV	Rev. Text	Name	Rel. Date			

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	A4-Q
State: Released	Rev: 07 P