



MOTOR SPECIFICATION		CONNECTION		
		UNIPOLAR	SERIES	PARALLEL
Voltage	V DC	5.03		
Current per Winding	A	6.7	4.7	9.5
Resistance per Phase (25°C)	±15% Ω	0.75	1.5	0.375
Inductance per Phase (1 kHz)	±20% mH	4.9	19.6	4.9
Holding Torque	Nm	8.5	12	12
Step Angle	±5% °	1.8		
Rotor Inertia	kg m <sup>2</sup>	400	x10 <sup>-6</sup>	

TYPE OF CONNECTION				
Unipolar	Series	Parallel	Wire Colour	Winding
A	A	A	RD	A
COM			RD/WH	
			BK/WH	A
A\	A\	A\	BK	
B	B	B	GN	B
COM			GN/WH	
			YE/WH	B
B\	B\	B\	YE	

A-Shaft		Preload Spring		B-Shaft	
Fa	Fr				
Max. Axial Force	Fa	N		65	
Max. Radial Force	Fr (a1 = 5 mm)	N		535	
Max. Radial Force	Fr (a2 = 20 mm)	N		200	
Axial Play	Fa = 10 N	mm		0.075	
Radial Play	Fr = 5 N	mm		0.025	

GENERAL MOTOR SPECIFICATION		
Ambient Temperature	°C	-20 ... 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	Weight: 5.4 kg
		Date	Name	<b>ST8918D6708-A</b>
		Drawn	Import	
		Checked	Lamfich_S	
		Approved	Lamfich_S	
08	cha. m. length/rev. draw.	Schneid_A	30.01.2019	01000964
REV	Rev. Text	Name	Rel. Date	State: Released
				Rev: 08
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