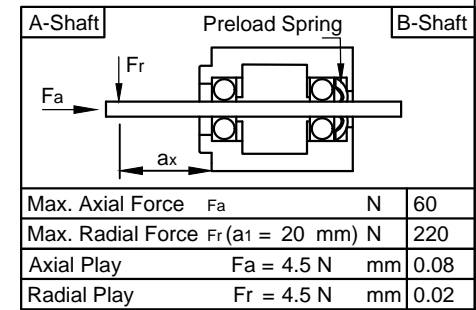


MOTOR SPECIFICATION			
No. of Poles		8	
Rated Voltage	V DC	48	
Current - No Load / Rated	A	10.77	32.31
Resistance Line to Line	$\pm 15\%$ Ω	0.15	$\triangle 6$ $\triangle 1$
Inductance Line to Line (1kHz)	$\pm 20\%$ mH	0.47	$\triangle 6$ $\triangle 1$
Torque - Rated / Peak	Nm	1.4	4.2
Torque Constant	Nm/A	0.13	
Power - Rated	W	440	$\triangle 3$
Speed - No Load / Rated	$\pm 10\%$ rpm	3500	$\triangle 5$ 3000
Rotor Inertia	kg m ²	160	$\times 10^{-6}$

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



GENERAL MOTOR SPECIFICATION			ISO 8015	ISO 1302	ISO 2768-1 cK	ISO 13715	Weight: 2.6 kg	
Ambient Temperature	$^{\circ}\text{C}$	Min. -10 Max. 50			Date	Name	DB87M01-S	
Max. Temperature Rise (at standstill - 2 phases energized)	$^{\circ}\text{C}$	80			Drawn	04.12.2017 Import		
Max. Ambient Humidity (non condensing)	%	85			Checked	01.02.2018 Schneid_A		
Insulation Class		B			Approved	01.02.2018 Schneid_A		
Insulation Resistance	M Ω	100	05	change NO-LOAD-SPEED	Schneid_A	01.02.2018	03000141	
Dielectric Strength (for 1 min - coil to case)	V AC	500	REV	Rev. Text	Name	Rel. Date		State: Released
							Rev: 06.A	P