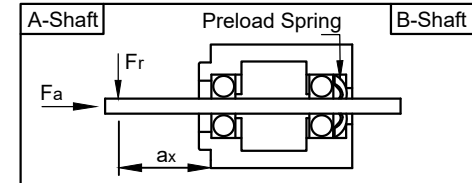


**MOTOR SPECIFICATION**

No. of Poles	14
Rated Voltage	V DC 24
Current - No Load / Rated / Peak	A 0.65/5.6 /17
Resistance Line to Line	±10% Ω 0.25
Inductance Line to Line (1kHz)	±20% mH 0.2
Torque - Rated / Peak	Nm 0.29 /0.87
Torque Constant	Nm/A 0.054
Back-EMF Constant	V <sub>rms</sub> /krpm 3.75
Rated Power	W 110
Speed - No Load / Rated	±10% rpm 4400 /3700
Rotor Inertia	kg m <sup>2</sup> 100 x10 <sup>-6</sup>

**WIRING DIAGRAM**

	Colour	Function	Lead Gauge
Motor	Ye	U	UL1430 AWG18
	Rd	V	
	Bk	W	
Hall 42 Impl. per Rev.	Rd	+5V	UL1430 AWG26
	Bu	H1	
	Gn	H2	
	Wh	H3	
	Bk	GND	



Max. Axial Force $F_a$	N	20
Max. Radial Force $F_r$ ( $a_2 = 20$ mm)	N	50
Axial Play $F_a = 4$ N	mm	0.08
Radial Play $F_r = 4$ N	mm	0.02

**GENERAL MOTOR SPECIFICATION**

Ambient Temperature	°C	-20 ...50
Max. Temperature Rise (at standstill)	°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: 0.47 kg
			Date	Name
			Drawn	21.11.2018 Schneid_A
			Reviewed	09.01.2020 Hofstet_M
			Released	09.01.2020 Hofstet_M
01	change weight	Schneid_A	08.01.2020	
REV	Rev. Text	Name	Date	
<b>DFA68M024037-A</b>				03200067
State: Released		Rev: 01	CONFIDENTIAL	