



MOTOR SPECIFICATION

No. of Poles		6
Rated Voltage	V DC	24
Current - No Load / Rated / Peak	A	<0.8/9.4 /28
Resistance Line to Line	$\pm 10\%$ Ω	0.22
Inductance Line to Line (1kHz)	$\pm 20\%$ mH	0.29
Torque - Rated / Peak	Nm	0.47 /1.41
Torque Constant	Nm/A	0.05
Back-EMF Constant	$V_{rms}/krpm$	3.8
Rated Power	W	172
Speed - No Load / Rated	$\pm 10\%$ rpm	4500 /3500
Rotor Inertia	$kg\ m^2$	11.9 $\times 10^{-6}$

WIRING DIAGRAM

	Colour	Function	Lead Gauge
Motor	Ye	U	UL1332 AWG18
	Rd	V	
	Bk	W	

A-Shaft	Preload Spring	B-Shaft	
F_a	F_r	a_x	
Max. Axial Force F_a	N	15	
Max. Radial Force F_r ($a_2 = 20$ mm)	N	75	
Axial Play	$F_a = 40$ N	mm	0.1
Radial Play	$F_r = 4.6$ N	mm	0.025

GENERAL MOTOR SPECIFICATION

Ambient Temperature	$^\circ C$	-10 ... 50
Max. Temperature Rise (at standstill)	$^\circ C$	80
Max. Ambient Humidity (non condensing)	%	85
Insulation Class		B
Insulation Resistance	M Ω	100
Dielectric Strength (for 1 min - coil to case)	V AC	500

ISO 8015 ISO 1302 ISO 2768 cK ISO 13715

REV	Rev. Text	Name	Rel. Date	Date	Name
02	change depth screw M2.5	Schneid_A	11.12.2018	04.12.2017	Import
				06.12.2018	Knoll_J
				11.12.2018	Schneid_A



Weight: 0.72 kg	
DB59L024035R-B	
04000037	-
State: Released	A4-Q
Rev: 02	P