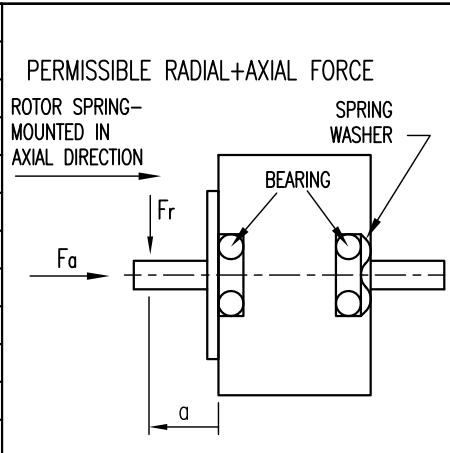
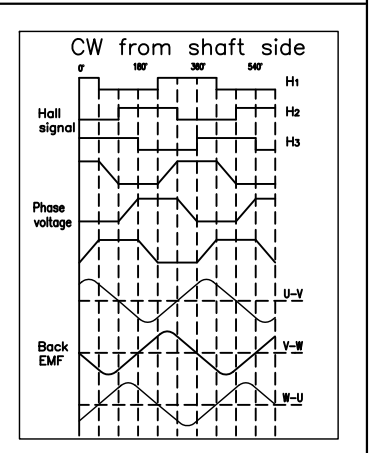


SPECIFICATION	CONNECTION	STAR
NO. OF POL./PHASE		6/3
VOLTAGE RATED (VDC)		48
CURRENT RATED/PEAK (AMP)		3.66/ 11
RESISTANCE/LINE TO LINE (Ohms) @20°C		1.5 ±10%
INDUCTANCE/LINE TO LINE (mH) @1KHz		1.25 ±20%
TORQUE RATED/PEAK (Nm)		0.44/ 1.32
TORQUE CONSTANT (Nm/A)		0.12
POWER RATED (W)		138
SPEED RATED/NO LOAD (RPM)		3000/3700
ROTOR INERTIA (Kg-m <sup>2</sup> )		16.7x10 <sup>-6</sup>
WEIGHT (Kg)		1.0
TEMPERATURE RISE: MAX.80°C		
AMBIENT TEMPERATURE -10°~ 50°C [14°F ~ 122°F]		
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)		
INSULATION CLASS B 130° [266°F]		
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)		
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)		



AXIAL-FORCE $F_a$ (N)	$F_a=10$	
DISTANCE $a$ (mm)	20	
RADIAL-FORCE $F_r$ (N)	28	
	AXIAL	RADIAL
SHAFT PLAY (mm)	0.08	0.02
AT LOAD MAX: (N)	4.5	4.5

WIRING DIAGRAM			
	COLOR	FUNCTION	LEAD GAUGE
MOTOR 6 POL.	YE	U	UL1430 AWG20
	RD	V	
	BK	W	
HALL 18 IMPL. REV.	RD	+5V	UL1430 AWG26
	BU	H1	
	GN	H2	
	WH	H3	
	BK	GND	



				APVD	G.S.	18.08.16	BRUSHLESS DC MOTOR
				CHKD			
Surface specification DIN ISO 1302 General tolerances DIN ISO 2768- cH Work piece edge DIN ISO 13715				DRN	A.S.	17.08.16	DWG.NO
				SIGNATURE		DATE	DB43C048030-B
REV	DESCRIPTION	DATE	DRN				