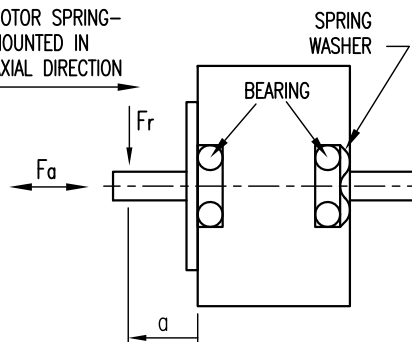
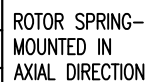




SPECIFICATION	CONNECTION	STAR
NO. OF POL./PHASE		8/3
VOLTAGE RATED (VDC)		48
CURRENT RATED/PEAK (AMP)		6.25/19 \triangle
RESISTANCE/PHASE TO PHASE (Ohms) @25°C		0.18±15%
INDUCTANCE/PHASE TO PHASE (mH) @1KHz		0.35±20%
TORQUE RATED/PEAK (Nm) [lb-in]		0.70/2.1 [6.2/18.59] \triangle
TORQUE CONSTANT (Nm/A) [lb-in/A]		0.112 [0.99]
POWER RATED (W)		250
SPEED RATED/NO LOAD (U/min)		3000/4500
ROTOR INERTIA (Kg-m ²) [lb-in ²]		8.0x10 ⁻⁵ [0.273]
WEIGHT (Kg) [lb]		1.85 [4.08]

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)	60	
DISTANCE a (mm)	20	
RADIAL-FORCE F_r (N)	220	
	AXIAL	RADIAL
SHAFT PLAY (mm)	0.08	0.02
AT LOAD MAX: (N)	4.5	4.5

	COLOR	FUNCTION	Dir. \longleftrightarrow						LEAD GAUGE
MOTOR 8 POL.	YEL	U	X	HI	HI	X	LOW	LOW	AWM3135 AWG16 
	RED	V	HI	X	LOW	LOW	X	HI	
	BLK	W	LOW	LOW	X	HI	HI	X	
HALL 24 IMPL. REV.	RED	+5V							UL1332 AWG22 
	BLU	H1	0	0	0	1	1	1	
	WHT	H2	0	1	1	1	0	0	
	GRN	H3	1	1	0	0	0	1	
	BLK	GND							

2	NEW WIRE NO.+UPDT. CONN. DIAG.	24.02.14	J.D.
1	NEW WIRE NO.+SPECIFICATIONS	07.08.08	J.W.
REV	DESCRIPTION	DATE	APVD



DB87S01-S

SCALE	FREE	APVD	<i>S.Ha.</i>	19.06.07
X	±0.5	CHKD		
1PL	±0.2	DRN	<i>J.W.</i>	18.10.06
2PL	±0.1	SIGNATURE		DATE
ANGLE	±30'			

BRUSHLESS DC MOTOR

DWG.NO	
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DB87S01-S