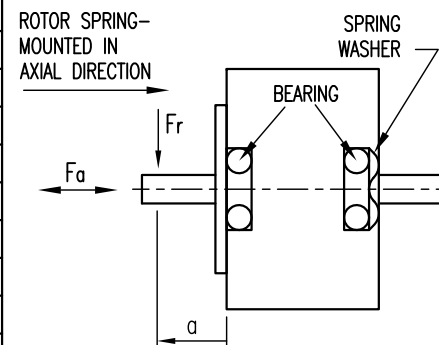


SPECIFICATION	CONNECTION	STAR
NO. OF POL./PHASE	8/3	
VOLTAGE RATED (VDC)	48	
CURRENT RATED/PEAK (AMP)	17.95/53.85	
RESISTANCE/PHASE TO PHASE (Ohms) @25°C	0.07±15%	
INDUCTANCE/PHASE TO PHASE (mH) @1KHz	0.10±20%	
TORQUE RATED/PEAK (Nm) [lb-in]	2.1/6.3 [18.59/55.76]	
TORQUE CONSTANT (Nm/A) [lb-in/A]	0.117 [1.04]	
POWER RATED (W)	750	
SPEED RATED/NO LOAD (U/min)	3000/4500	
ROTOR INERTIA (Kg-m ²) [lb-in ²]	2.4X10 ⁻⁴ [0.82]	
WEIGHT (Kg) [lb]	4.0 [8.82]	
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)		

PERMISSIBLE RADIAL+AXIAL FORCE

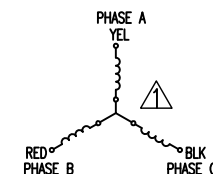


AXIAL-FORCE F_a (N)	60	
DISTANCE a (mm)	20	
RADIAL-FORCE F_r (N)	220	
	AXIAL	RADIAL
SHAFT PLAY (mm)	0.08	0.02
AT LOAD MAX: (N)	4.5	4.5

WIRING DIAGRAM

	COLOR	FUNCTION	Dir. →						LEAD GAUGE
MOTOR 8 POL.	YEL	U	X	HI	HI	X	LOW	LOW	AWM 3515 AWG16 ⚠
	RED	V	HI	X	LOW	LOW	X	HI	
	BLK	W	LOW	LOW	X	HI	HI	X	
HALL 24 IMPL. REV.	RED	+5V							UL 1332 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							

STAR CONNECTING



				 Nanotec [®] PLUG & DRIVE	SCALE FREE	APVD	S.Ha.	19.06.07	BRUSHLESS DC MOTOR	
1	NEW WIRE NO.	13.11.08	J.W.		X ±0.5 1PL ±0.2 2PL ±0.1 ANGLE ±30'	CHKD				
REV	DESCRIPTION	DATE	APVD	DB87L01-S		DRN	J.W.	18.10.06	DWG.NO	DB87L01-S
						SIGNATURE		DATE		