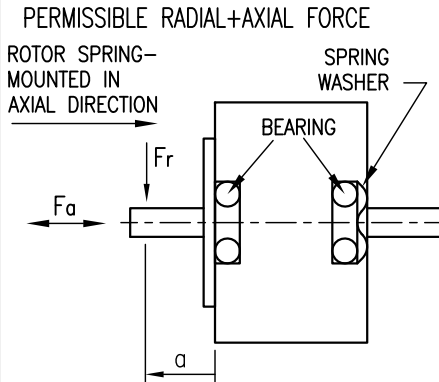


SPECIFICATION	CONNECTION	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR	
			SERIAL	PARALLEL
VOLTAGE (VDC)		2.97		
AMPS/PHASE		4.5	3.18	6.36
RESISTANCE/PHASE (Ohms)@25°C		0.66±15%	1.32±15%	0.33±15%
INDUCTANCE/PHASE (mH) @1KHz		3.0±20%	12±20%	3.0±20%
HOLDING TORQUE (Nm) [lb-in]		4.2 [37.17]	5.94 [52.57]	5.94 [52.57]
DETENT TORQUE (Nm) [lb-in]		0.21 [1.8585]		
STEP ANGLE (°)		1.8 Δ		
STEP ACCURACY (NON-ACCUM)		± 5% Δ		
ROTOR INERTIA (Kg-m ²) [lb-in ²]		1.9x10 ⁻⁴ [0.65] Δ		
WEIGHT (Kg) [lb]		2.8 [6.174]		
TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)				
AMBIENT TEMPERATURE -20~ 50°C [-4°F ~ 122°F]				
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)				
INSULATION CLASS B 130° [266°F] Δ				
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)				
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)				

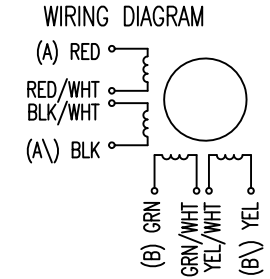


	AXIAL-FORCE Fa (N)				Fa=65			
DISTANCE a (mm)	5	10	15	20				
RADIAL-FORCE Fr (N)	535	355	256	200				
			AXIAL	RADIAL				
SHAFT PLAY (mm)			0.075	0.025				
AT LOAD MAX: (N)			10	5.0				

UNIPOLAR	TYPE OF CONNECTION (EXTERN)			MOTOR	
	1WINDING	BIPOLAR SERIAL	BIPOLAR PARALLEL	LEADS	WINDING
A	A	A	A	RED	A
COM				RED/WHT	
A\		A\	A\	BLK/WHT	A\
B	B	B	B	BLK	B
COM				GRN	
B\		B\	B\	GRN/WHT	B\
				YEL/WHT	
				YEL	

FULL STEP 2 PHASE-Ex., WHEN FACING MOUNTING END (X)

STEP	A	B	A\	B\	CCW	CW
1	+	+	-	-	↓	↑
2	-	+	+	-	↓	↑
3	-	-	+	+	↓	↑
4	+	-	-	+	↓	↑



4	REMOVE TEXT	04.03.15	A.S.
3	NEW THREAD	25.07.13	A.S.
2	THICKNESS OF FLANGE	27.05.11	J.W.
REV	DESCRIPTION	DATE	APVD



ST8918M4508-B

SCALE FREE	APVD	S.Ha.	09.01.07
X ±0.5	CHKD		
1PL ±0.2	DRN	J.W.	13.06.06
2PL ±0.1	SIGNATURE		DATE
ANGLE ±30'			

STEPPING MOTOR	
DWG.NO	ST8918M4508-B