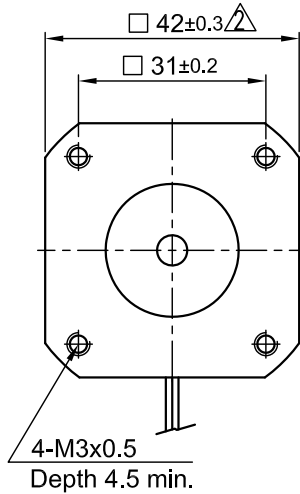
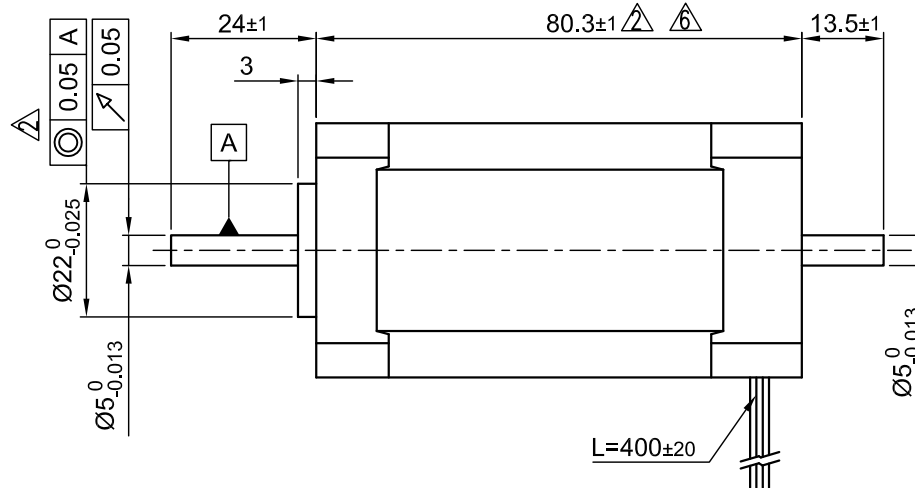


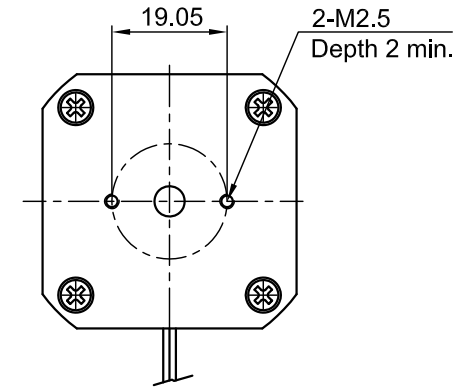
Front view and mounting



Side view

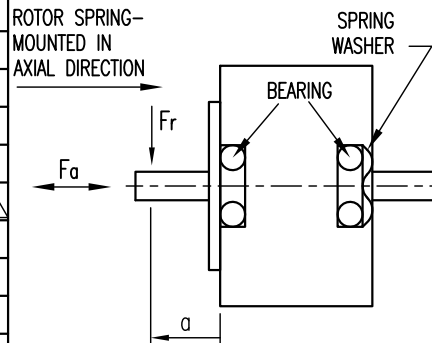


Rear view



SPECIFICATION	CONNECTION	DELTA
NO. OF POL./PHASE		8/3
VOLTAGE RATED		24
CURRENT RATED/PEAK (AMP)		5.14/15.5
RESISTANCE/PHASE TO PHASE (Ohms) @25°C		0.43±15%
INDUCTANCE/PHASE TO PHASE (mH) @1KHz		0.71±20%
TORQUE RATED/PEAK (Nm) [lb-in]		0.18/0.56 [1.95/4.96]
TORQUE CONSTANT (Nm/A)		0.036
POWER RATED (W)		77.5
SPEED RATED/NO LOAD (RPM)		4000/6100
ROTOR INERTIA (Kg-m ²) [lb-in ²]		7.2x10 ⁻⁶ [0.0246]
WEIGHT (Kg) [lb]		0.65 [1.433]
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 Fa (N)	Fa=10
DISTANCE a (mm)	20
RADIAL-FORCE Fr (N)	28
SHAFT PLAY (mm)	0.08
AT LOAD MAX: (N)	4.5

WIRING DIAGRAM								
	COLOR	FUNCTION	Dir. →					
MOTOR 8 POL.	YEL	U	X	HI	HI	X	LOW	LOW
	RED	V	HI	X	LOW	LOW	X	HI
	BLK	W	LOW	LOW	X	HI	HI	X
HALL 24 IMPL. REV.	RED	+5V						
	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						
DELTA CONNECTING PHASE A YEL PHASE B RED PHASE C BLK								

7	UPDT. DATA	24.10.14	J.D.
6	NEW LENGTH	07.03.14	J.D.
5	NEW/ DELETE VALUES	27.11.13	A.S.
REV	DESCRIPTION	DATE	APVD

Nanotec
PLUG & DRIVE

DB42L01

SCALE	FREE	APVD	S.Ha.	19.06.07
X	±0.5	CHKD		
1PL	±0.2	DRN	J.W.	19.04.07
2PL	±0.1	SIGNATURE	DATE	
ANGLE	±30°			

BRUSHLESS DC MOTOR

DWG.NO

DB42L01