

NEMA

Model GPS0002C-C-RND-01
MFG PN: SLF56H1Z2L

Model **GPS0002C-C-RND-01**

Product Data Package



MODEL	HP	RPM	VOLTAGE	PHASE	Hz	FRAME	MOUNT	ENCLOSURE
GPS0002C-C-RND-01	1	3460	115/208-230	1	60	56HC	Round Body/C-Flange	TEFC

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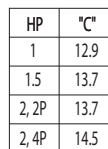
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ELECTRICAL DATA		
Rated Motor Output Power	1	HP
	-	kW
Rated Motor Speed	3460	r/min 60Hz
	-	r/min 50Hz
Rated Motor Voltage (+/-10%)	115/208-230	V/60Hz
	-	V/50Hz
Rated Motor Current	9.6/5.3-4.8	A (I _n) @ 60Hz
	-	A (I _n) @ 50Hz
Phase	1	Ø
Locked Rotor Current @ High Voltage	31.72	A (I _n) @ 60Hz
FI Current @ 208V	5.3	A (I _n) @ 60Hz
Service Factor	1.15	@ 60Hz
	-	@ 50Hz
KVA Code	J	60Hz
	-	50Hz
Nominal Efficiency	74	% @ 60Hz
Nominal Power Factor	0.93	cosΦ @ 60Hz
Leads (Qty, Size)	6	14
Connection	-	-
Coil Resistance	-	Ω
Start Capacitor	400/165	µF/V
Run Capacitor	80/250	µF/V
VFD DUTY (S.F. 1.0)	RATIO	Hz
Variable Torque	-	-
Constant Torque	-	-
FULL LOAD TEMPERATURE RISE		
Full Load Temperature Rise	57.4	°C @ 60Hz
	-	°C @ 50Hz

GENERAL DATA		
Frame Size	56HC	
Enclosure	TEFC	
Mounting	Round Body/C-Flange	
Approximate Weight (lbs.)	35 lbs.	
Casing Material / Fan Cover	Rolled Steel	Steel
Shaft Material	1045	
NEMA Design	L	
Degree of Protection (IP)	54	
Insulation Class / Temp Rise (60Hz)	F	B
Tropicalization	NO	
Duty	Cont. / S1	
Conduit Box Location	F1	
Feet Removable / Double Drilled	-	-
Paintwork	7024	
	Graphite Gray	
MECHANICAL DATA		
Bearing DE Side	6204 2RS	
Bearing ODE Side	6203 2RS	
Grease Type	Mobil Polyrex EM	
Compensation Ring (wavy washer)	NDE	
Moment of Inertia (lb-ft²)	-	
Sound Pressure @ 3 FT dBA	-	
SITE CONDITIONS		
Ambient Temperature (°C)	40	
Meters Above Sea Level (MASL)	1000	
HAZARDOUS LOCATIONS		
CSA Certified	-	
Temperature Code	-	-

Questions? Call 1.888.286.1820

MFG PN: SLF56H1Z2L



NAMEPLATE LAYOUT

 TECHTOP	Date of Mfg:
	SER No.
GEN. PURPOSE SINGLE PHASE MOTOR	
MODEL:	MFG PN:SLF
FRAME: HP: RPM: SF:	WIRING DIAGRAM
VOLTS: HZ: AMPS:	
KVA Code: PF: EFF: DUTY: CONT	
DES: INS.CLASS: AMBIENT: 40 °C	
ENCL: CAP: µF V	
DE. BRG: ZZ ODE. BRG: ZZ	

*For max speed please contact Techtop Canada

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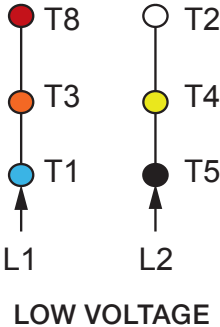
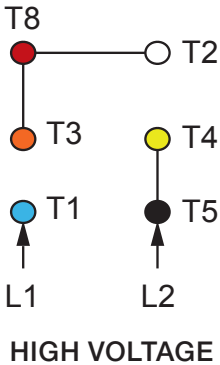
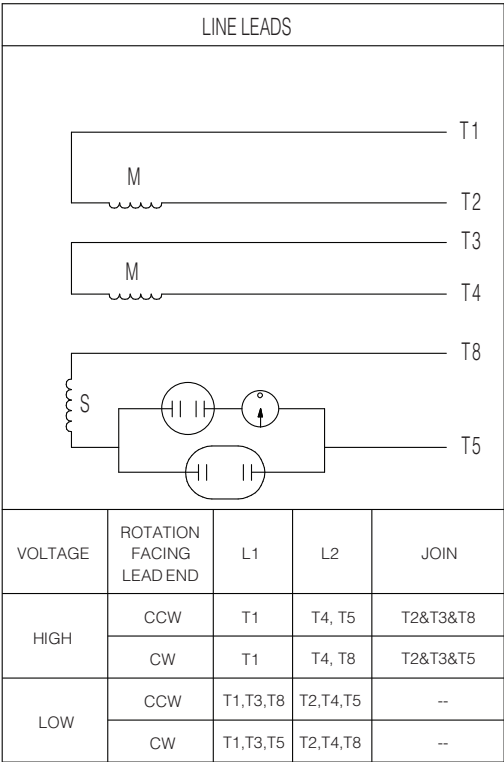
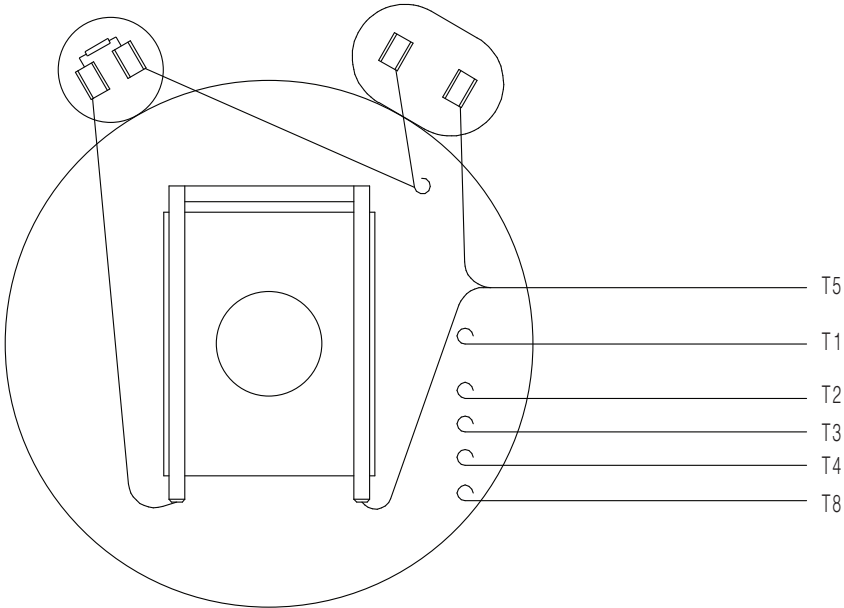


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PERFORMANCE LOAD VALUES, HIGH VOLTAGE, 60Hz			TYPICAL PERFORMANCE - NOT GUARANTEED VALUES	
TORQUE VALUES	TORQUE (lb-ft)	TORQUE (% FULL LOAD)	PERFORMANCE VALUES	
Locked Rotor Torque	1.5	279	Start Configuration	DOL
Pull-Up Torque	4	261	Starting Current (A)	31.72
Breakdown Torque	4.8	314	No-Load Current (A)	2.2
Full Load Torque	4.2	100	No-Load Power Factor	-

% OF RATED LOAD	25	50	75	100	125	S.F. 1.15
Line Amperes (A)	-	-	-	4.9	-	5.3
Efficiency (%)	-	-	-	69.4	-	71.9
Speed (r/min)	-	-	-	3508	-	3490
Power Factor (cosΦ)	-	-	-	0.97	-	0.99
Input Power (kW)	-	-	-	-	-	-

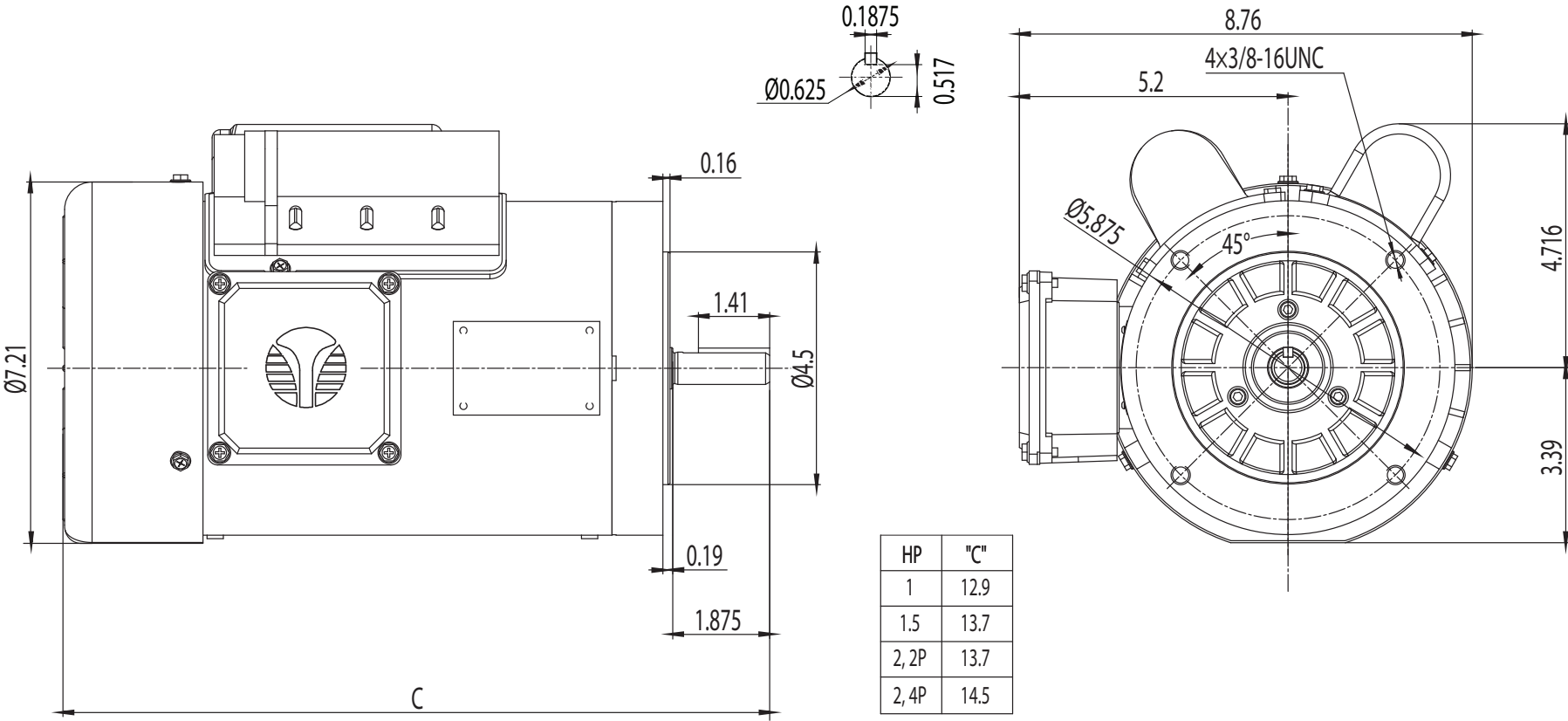
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NEMA 10 General Purpose Dual Voltage

DRAWING NUMBER:	NEMA-GP-56-140T
CONNECTION:	-
NUMBER OF LEADS:	6
THERMAL PROTECTION:	Optional

ISSUED DATE	01/08/25
GENERAL PURPOSE SINGLE PHASE MOTORS	



TEFC 56HC

DRAWING NUMBER:	BL1-RS-TF-56HC-RND-01	ISSUED DATE	01/08/25
DIMENSIONS:	Inches	GENERAL PURPOSE SINGLE PHASE MOTORS	
MOUNTING:	Round Body/C-Flange		
CASING MATERIAL:	Rolled Steel		