

NEMA

Model GPS0022C-01
MFG PN: SLF56H2Z2L

Model **GPS0022C-01**

Product Data Package



MODEL	HP	RPM	VOLTAGE	PHASE	Hz	FRAME	MOUNT	ENCLOSURE
GPS0022C-01	2	3460	115/208-230	1	60	56H	Rigid	TEFC

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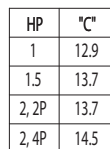
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ELECTRICAL DATA		
Rated Motor Output Power	2	HP
	-	kW
Rated Motor Speed	3460	r/min 60Hz
	-	r/min 50Hz
Rated Motor Voltage (+/-10%)	115/208-230	V/60Hz
	-	V/50Hz
Rated Motor Current	18.2/10.0-9.1	A (I _n) @ 60Hz
	-	A (I _n) @ 50Hz
Phase	1	Ø
Locked Rotor Current @ High Voltage	61.02	A (I _n) @ 60Hz
FI Current @ 208V	10	A (I _n) @ 60Hz
Service Factor	1.15	@ 60Hz
	-	@ 50Hz
KVA Code	J	60Hz
	-	50Hz
Nominal Efficiency	77	% @ 60Hz
Nominal Power Factor	0.93	cosΦ @ 60Hz
Leads (Qty, Size)	6	14
Connection	-	-
Coil Resistance	-	Ω
Start Capacitor	500/165	µF/V
Run Capacitor	115/250	µF/V
VFD DUTY (S.F. 1.0)	RATIO	Hz
Variable Torque	-	-
Constant Torque	-	-
FULL LOAD TEMPERATURE RISE		
Full Load Temperature Rise	55	°C @ 60Hz
	-	°C @ 50Hz

GENERAL DATA		
Frame Size	56H	
Enclosure	TEFC	
Mounting	Rigid	
Approximate Weight (lbs.)	43 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	NO	YES
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

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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: <u>CONT</u>	
DES: INS.CLASS: AMBIENT: <u>40 °C</u>	
ENCL: CAP: μF V	
DE. BRG: <u>ZZ</u> ODE. BRG: <u>ZZ</u>	

*For max speed please contact Techtop Canada

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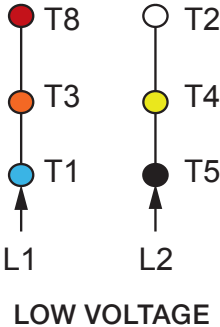
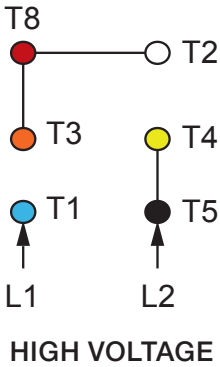
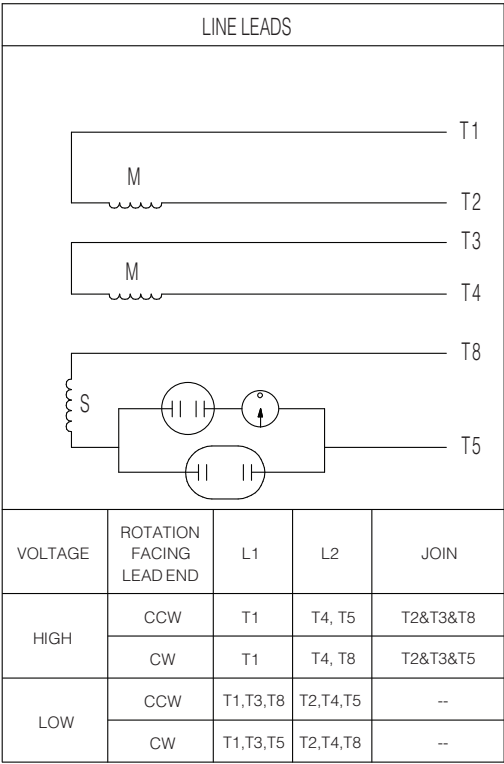
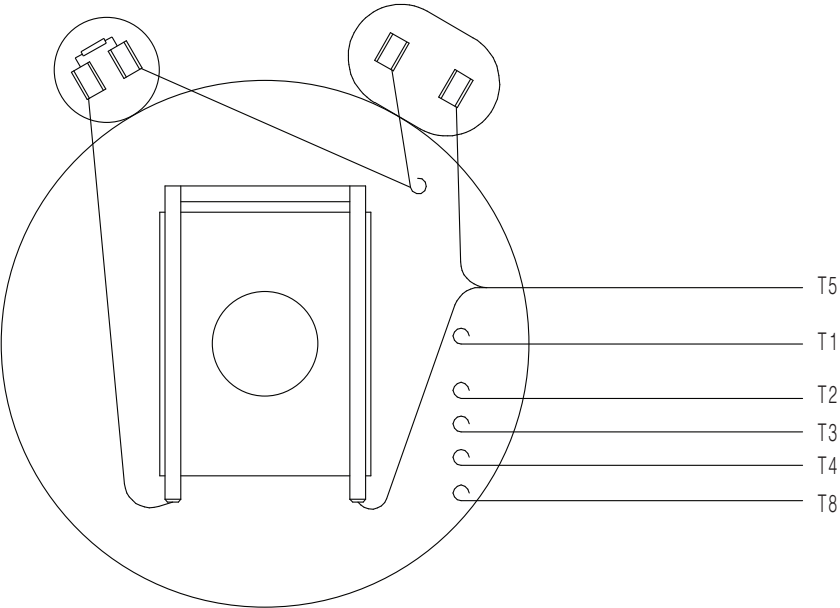


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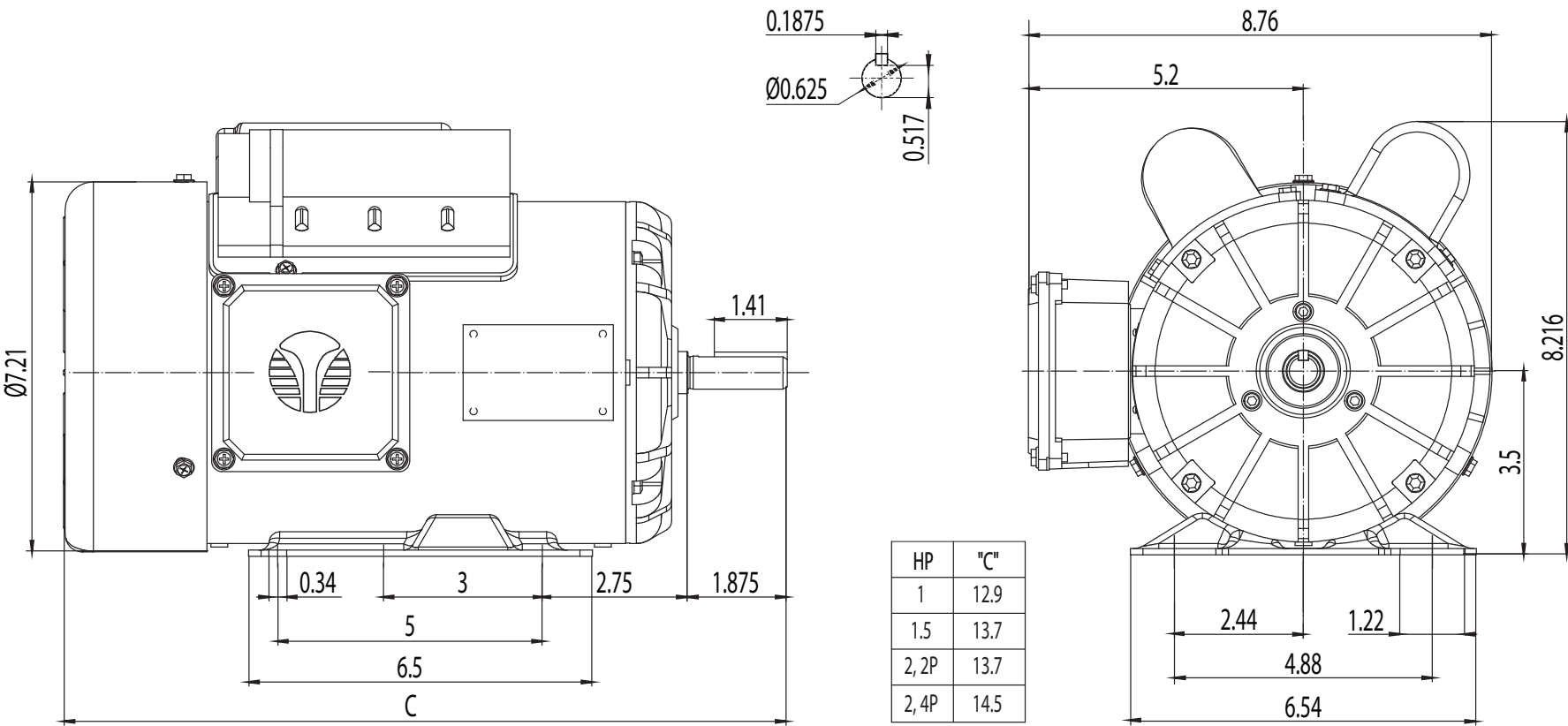
PERFORMANCE LOAD VALUES, HIGH VOLTAGE, 60Hz			TYPICAL PERFORMANCE - NOT GUARANTEED VALUES	
TORQUE VALUES	TORQUE (lb-ft)	TORQUE (% FULL LOAD)	PERFORMANCE VALUES	
Locked Rotor Torque	3	338	Start Configuration	DOL
Pull-Up Torque	4.8	159	Starting Current (A)	61.02
Breakdown Torque	8.6	284	No-Load Current (A)	2
Full Load Torque	10.3	100	No-Load Power Factor	-

% OF RATED LOAD	25	50	75	100	125	S.F. 1.15
Line Amperes (A)	-	-	-	7.8	-	8.9
Efficiency (%)	-	-	-	83.7	-	84.8
Speed (r/min)	-	-	-	3521	-	3504
Power Factor (cosΦ)	-	-	-	1	-	1
Input Power (kW)	-	-	-	-	-	-

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DRAWING NUMBER:	NEMA-GP-56-140T	ISSUED DATE	01/08/25
CONNECTION:	-	GENERAL PURPOSE SINGLE PHASE MOTORS	
NUMBER OF LEADS:	6		
THERMAL PROTECTION:	Optional		



DRAWING NUMBER:	BL1-RS-TF-56H-01	ISSUED DATE	01/08/25
DIMENSIONS:	Inches		
MOUNTING:	Rigid	GENERAL PURPOSE SINGLE PHASE MOTORS	
CASING MATERIAL:	Rolled Steel		