

NEMA

Model GPS0024C-01
MFG PN: SLF56H2Z4L

Model **GPS0024C-01**

Product Data Package



MODEL	HP	RPM	VOLTAGE	PHASE	Hz	FRAME	MOUNT	ENCLOSURE
GPS0024C-01	2	1740	115/208-230	1	60	56H	Rigid	TEFC

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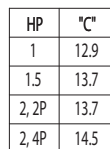
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ELECTRICAL DATA		
Rated Motor Output Power	2	HP
	-	kW
Rated Motor Speed	1740	r/min 60Hz
	-	r/min 50Hz
Rated Motor Voltage (+/-10%)	115/208-230	V/60Hz
	-	V/50Hz
Rated Motor Current	17.3/10.4-8.65	A (I _n) @ 60Hz
	-	A (I _n) @ 50Hz
Phase	1	Ø
Locked Rotor Current @ High Voltage	64.12	A (I _n) @ 60Hz
FI Current @ 208V	10.4	A (I _n) @ 60Hz
Service Factor	1.15	@ 60Hz
	-	@ 50Hz
KVA Code	H	60Hz
	-	50Hz
Nominal Efficiency	81.5	% @ 60Hz
Nominal Power Factor	0.92	cosΦ @ 60Hz
Leads (Qty, Size)	6	14
Connection	-	-
Coil Resistance	-	Ω
Start Capacitor	500/165	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	73.7	°C @ 60Hz
	-	°C @ 50Hz

GENERAL DATA		
Frame Size	56H	
Enclosure	TEFC	
Mounting	Rigid	
Approximate Weight (lbs.)	53 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:
VOLTS:	HZ:	AMPS:
KVA Code:	PF:	EFF:
DUTY: CONT		
DES:	INS.CLASS:	AMBIENT: 40 °C
ENCL:	CAP:	μF
DE. BRG: ZZ	ODE. BRG: ZZ	
WIRING DIAGRAM		

*For max speed please contact Techtop Canada

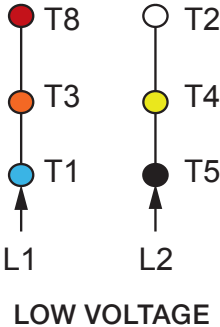
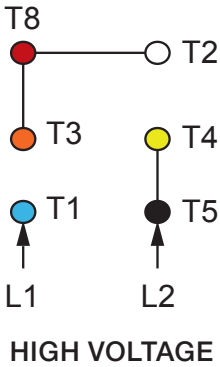
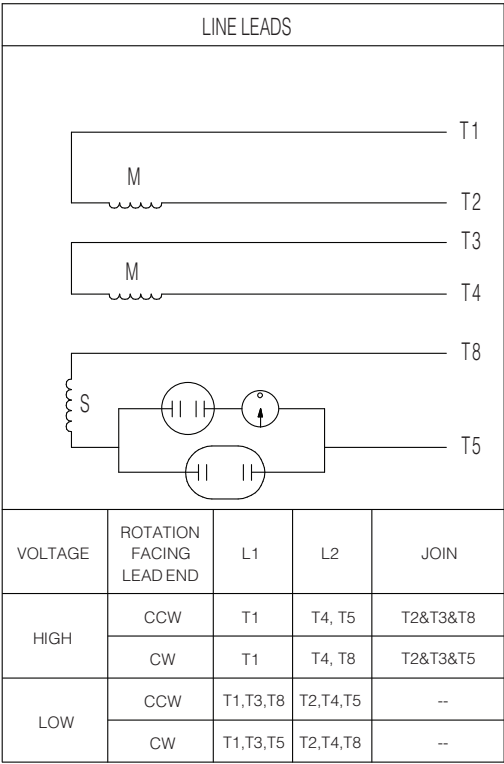
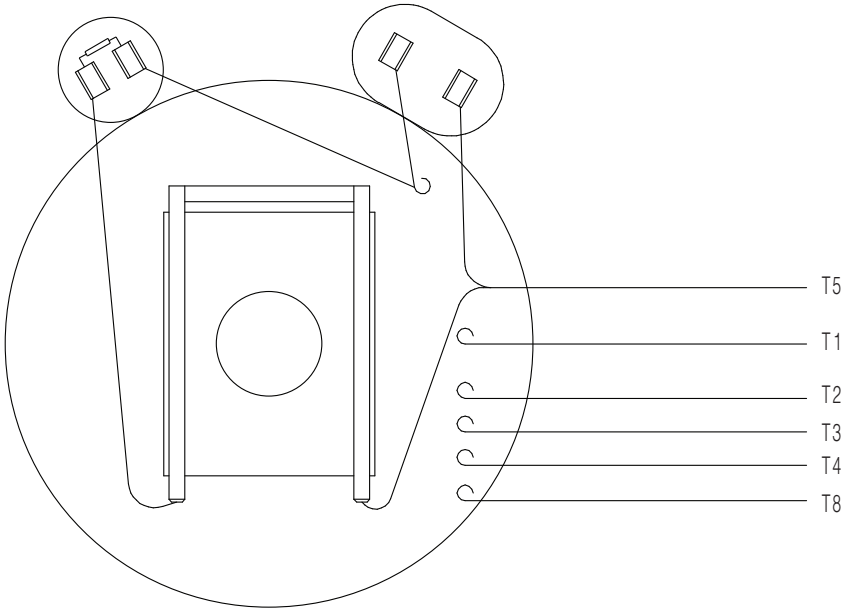
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PERFORMANCE LOAD VALUES, HIGH VOLTAGE, 60Hz			TYPICAL PERFORMANCE - NOT GUARANTEED VALUES	
TORQUE VALUES	TORQUE (lb-ft)	TORQUE (% FULL LOAD)	PERFORMANCE VALUES	
Locked Rotor Torque	6	290	Start Configuration	DOL
Pull-Up Torque	13.2	218	Starting Current (A)	64.12
Breakdown Torque	15.4	255	No-Load Current (A)	3.3
Full Load Torque	17.5	100	No-Load Power Factor	0.19

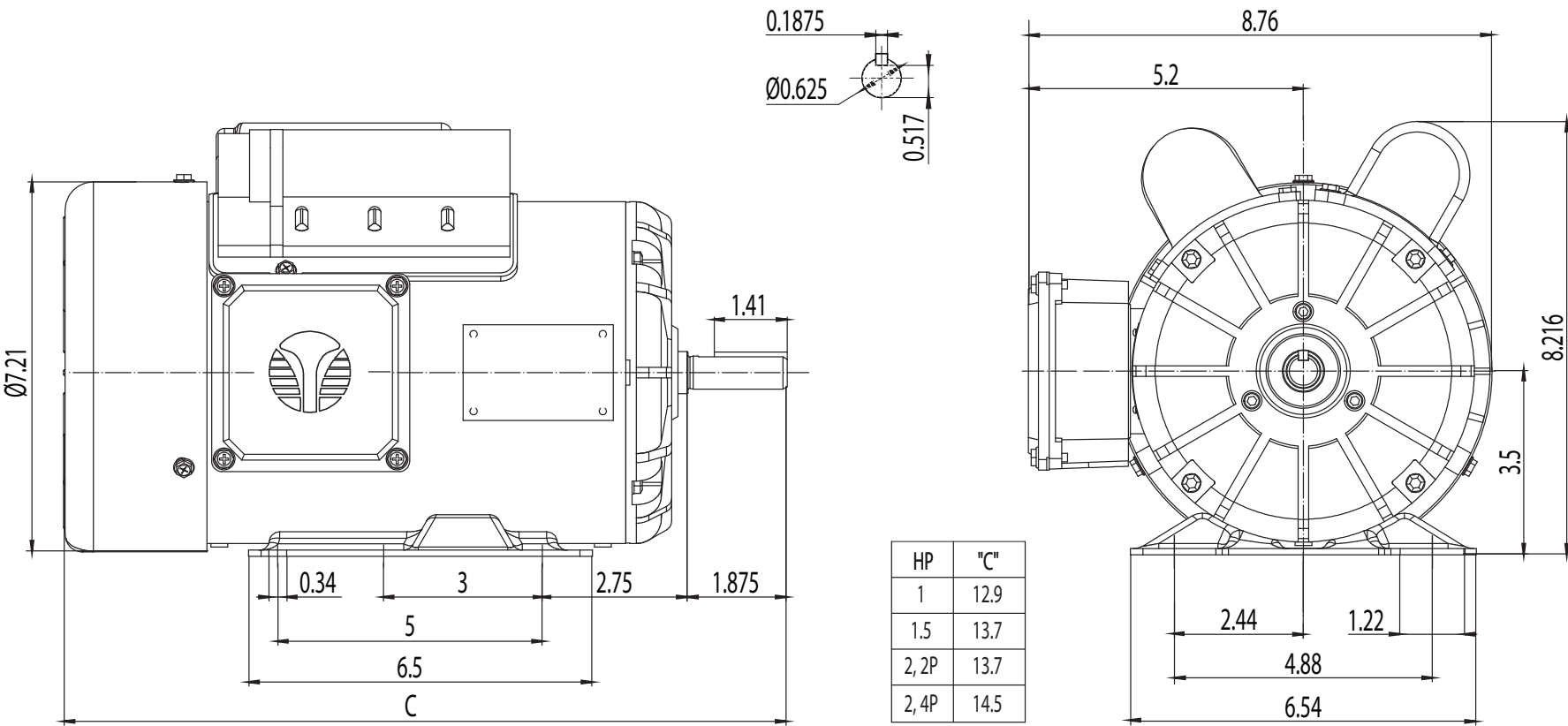
% OF RATED LOAD	25	50	75	100	125	S.F. 1.15
Line Amperes (A)	-	-	-	8.5	-	-
Efficiency (%)	-	-	-	78.7	-	-
Speed (r/min)	-	-	-	1737	-	-
Power Factor (cosΦ)	-	-	-	0.28	-	-
Input Power (kW)	-	-	-	1.91	-	-

Questions? Call 1.888.286.1820



NEMA 10 General Purpose Dual Voltage

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



TEFC 56H

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