

NEMA

Model GPS0052BS-TC-01
MFG PN: SLF145T5Z2L-CAN

Model **GPS0052BS-TC-01**

Product Data Package



MODEL	HP	RPM	VOLTAGE	PHASE	Hz	FRAME	MOUNT	ENCLOSURE
GPS0052BS-TC-01	5	3460	208-230	1	60	145TC	Rigid/C-Flange	TEFC

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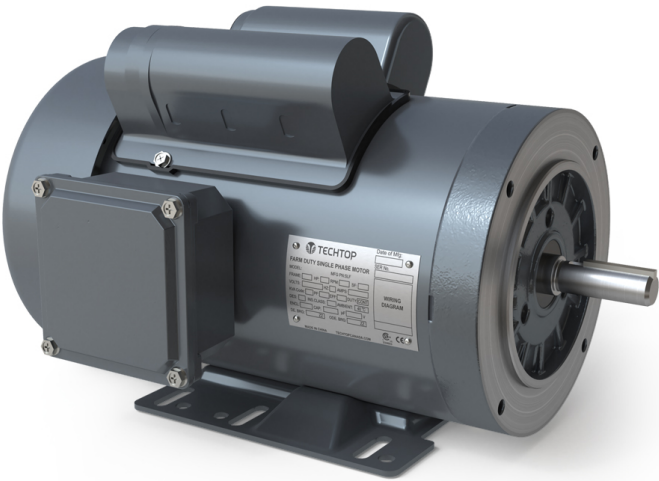
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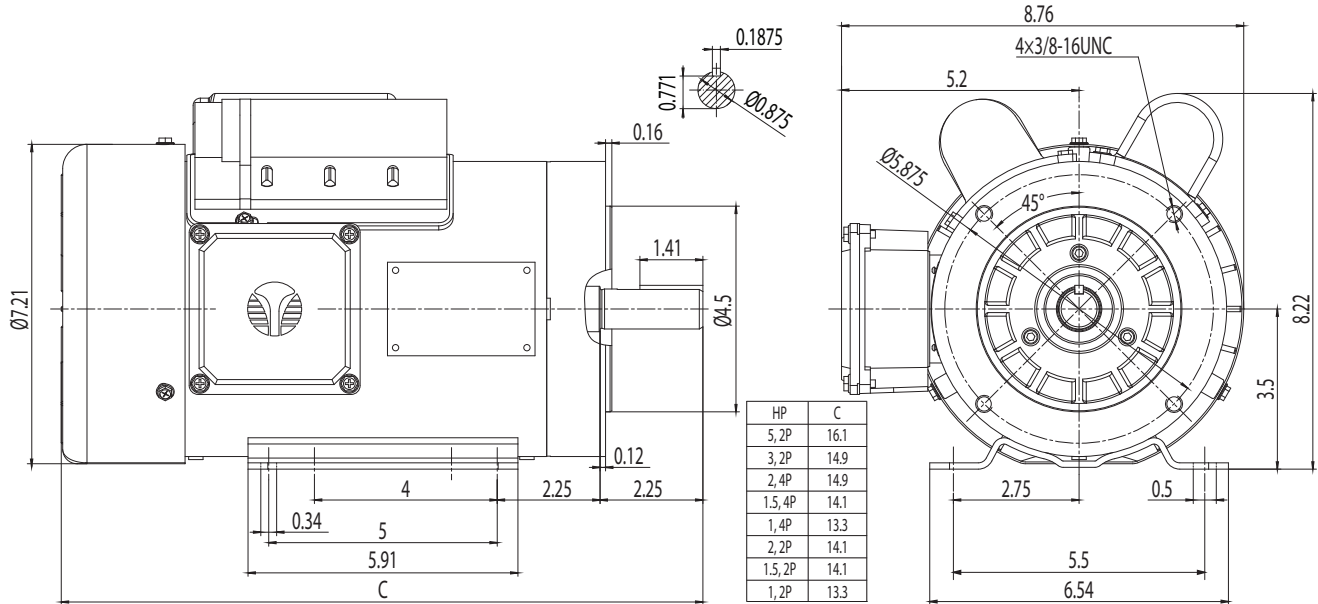
ELECTRICAL DATA		
Rated Motor Output Power	5	HP
	-	kW
Rated Motor Speed	3460	r/min 60Hz
	-	r/min 50Hz
Rated Motor Voltage (+/-10%)	208-230	V/60Hz
	-	V/50Hz
Rated Motor Current	21.5/19.4	A (I _n) @ 60Hz
	-	A (I _n) @ 50Hz
Phase	1	Ø
Locked Rotor Current @ High Voltage	129.5	A (I _n) @ 60Hz
FI Current @ 208V	21.5	A (I _n) @ 60Hz
Service Factor	1	@ 60Hz
	-	@ 50Hz
KVA Code	G	60Hz
	-	50Hz
Nominal Efficiency	84.5	% @ 60Hz
Nominal Power Factor	0.99	cosΦ @ 60Hz
Leads (Qty, Size)	4	12
Connection	-	-
Coil Resistance	-	Ω
Start Capacitor	300/300	µF/V
Run Capacitor	50/450	µF/V
VFD DUTY (S.F. 1.0)	RATIO	Hz
Variable Torque	-	-
Constant Torque	-	-
FULL LOAD TEMPERATURE RISE		
Full Load Temperature Rise	91.6	°C @ 60Hz
	-	°C @ 50Hz

GENERAL DATA		
Frame Size	145TC	
Enclosure	TEFC	
Mounting	Rigid/C-Flange	
Approximate Weight (lbs.)	63 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	-	-

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NAMEPLATE DATA	60Hz	50Hz
Horse Power	5	-
RPM	3460	-
Voltage	208-230	-
Full Load Amps	21.5/19.4	-
Service Factor	1	-
KVA Code	G	-
Full Load Amps (208V)	21.5	-
Nominal Efficiency	84.5	-
Nominal Power Factor	0.99	-
Design	L	
Frame	145TC	
Enclosure Type	TEFC	
IP Rating	54	
Duty	Cont. / S1	
Insulation Class	F	
Ambient Rating	40	
Drive End Bearing	6204 2RS	
Opposite Drive End Bearing	6203 2RS	
Weight (lbs)	63	

NAMEPLATE LAYOUT

☐ **TECHTOP** ☐ Date of Mfg:
 SER No.
GEN. PURPOSE SINGLE PHASE MOTOR
 MODEL: MFG PN: SLF
 FRAME: HP: RPM: SF:
 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
☐ MADE IN CHINA TECHTOPCANADA.COM ☒ ☐ 224693

WIRING DIAGRAM

CAPACITOR DATA	μF	VOLTAGE
Start Capacitor	300	300
Run Capacitor	50	450

*For max speed please contact Techtop Canada

HAZARDOUS LOCATIONS	-
Class / Division	-
Groups	-

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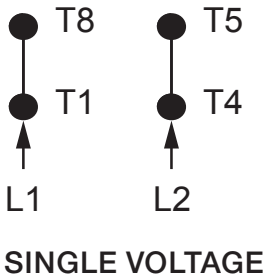
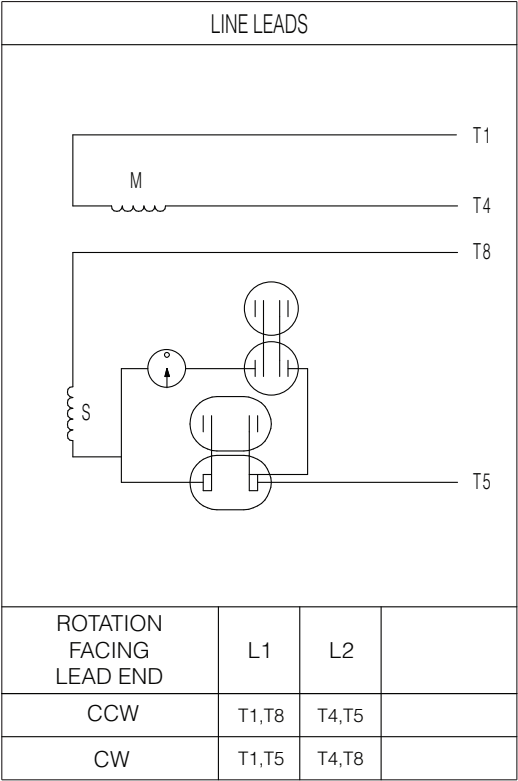
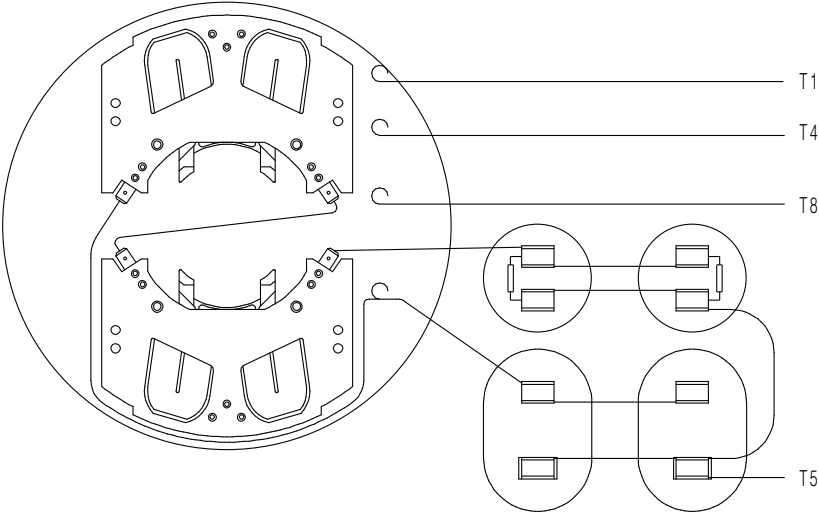
PERFORMANCE LOAD VALUES, HIGH VOLTAGE, 60Hz			TYPICAL PERFORMANCE - NOT GUARANTEED VALUES	
TORQUE VALUES	TORQUE (lb-ft)	TORQUE (% FULL LOAD)	PERFORMANCE VALUES	
Locked Rotor Torque	7.6	251	Start Configuration	DOL
Pull-Up Torque	0	-	Starting Current (A)	129.5
Breakdown Torque	0	-	No-Load Current (A)	2.6
Full Load Torque	19	100	No-Load Power Factor	-

% OF RATED LOAD	25	50	75	100	125	S.F. 1
Line Amperes (A)	-	-	-	19.2	-	-
Efficiency (%)	-	-	-	85	-	85
Speed (r/min)	-	-	-	3458	-	-
Power Factor (cosΦ)	-	-	-	1	-	1
Input Power (kW)	-	-	-	4.41	-	-

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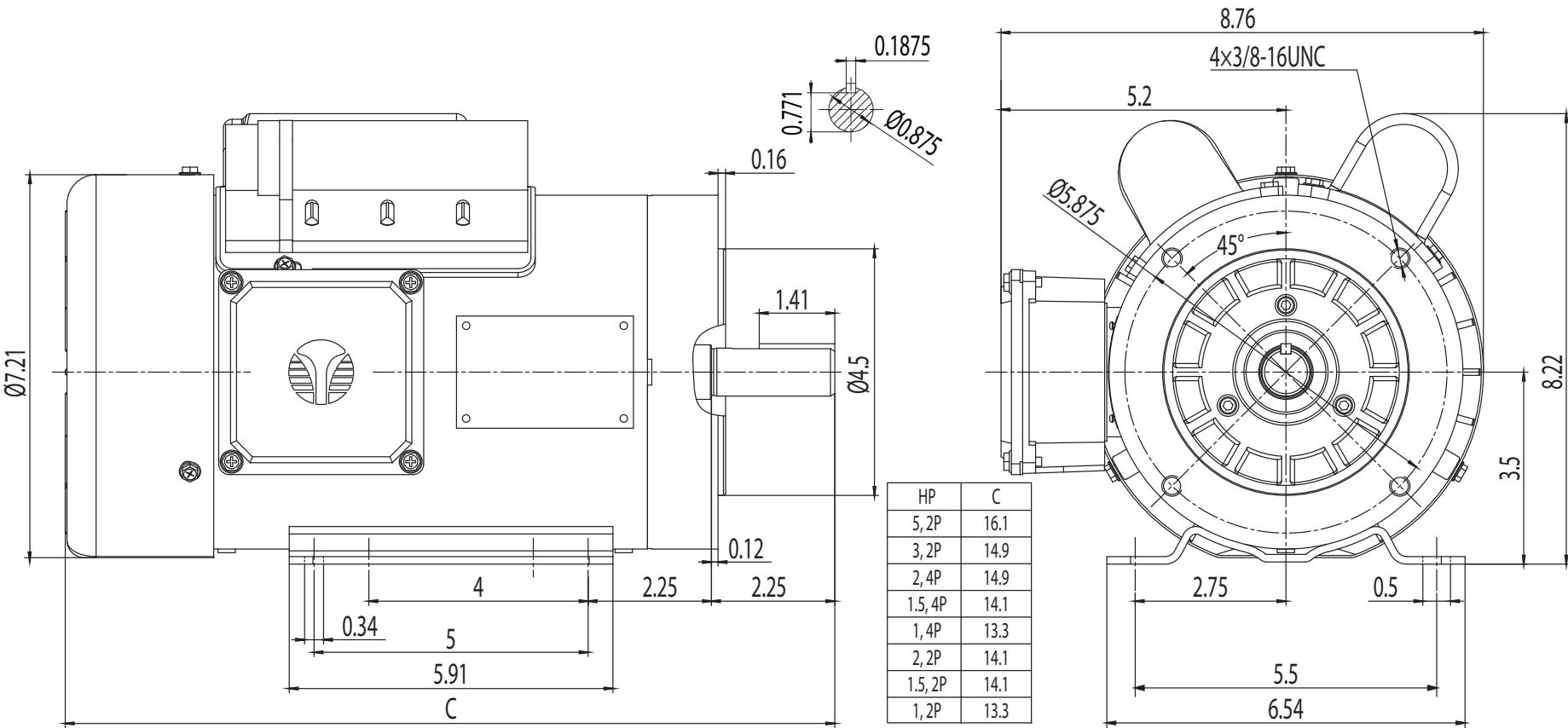
Model **GPS0052BS-TC-01**
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NEMA 1Ø General Purpose Single

DRAWING NUMBER:	NEMA-GP-180T-210T
CONNECTION:	-
NUMBER OF LEADS:	4
THERMAL PROTECTION:	Optional

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



TEFC 145TC

DRAWING NUMBER:	BL1-RS-TF-140TC-01	ISSUED DATE	01/08/25
DIMENSIONS:	Inches	GENERAL PURPOSE SINGLE PHASE MOTORS	
MOUNTING:	Rigid/C-Flange		
CASING MATERIAL:	Rolled Steel		