

NEMA

Model GPS0052B-01
MFG PN: SLF184T5Z2L-CAN

Model **GPS0052B-01**

Product Data Package



MODEL	HP	RPM	VOLTAGE	PHASE	Hz	FRAME	MOUNT	ENCLOSURE
GPS0052B-01	5	3500	208-230	1	60	184T	Rigid	TEFC

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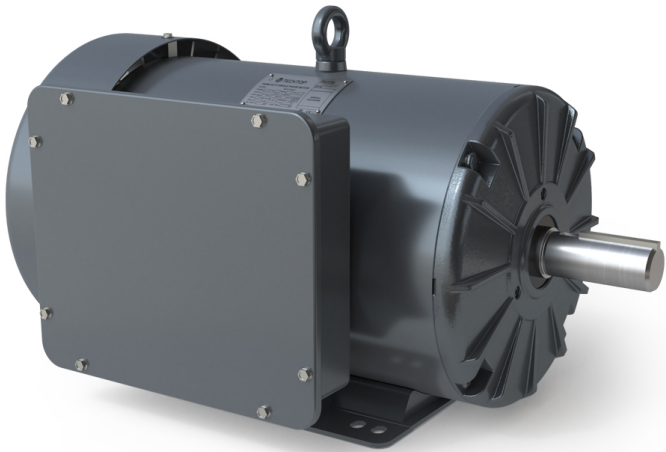
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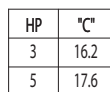
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ELECTRICAL DATA		
Rated Motor Output Power	5	HP
	-	kW
Rated Motor Speed	3500	r/min 60Hz
	-	r/min 50Hz
Rated Motor Voltage (+/-10%)	208-230	V/60Hz
	-	V/50Hz
Rated Motor Current	22.4-19.8	A (I _n) @ 60Hz
	-	A (I _n) @ 50Hz
Phase	1	Ø
Locked Rotor Current @ High Voltage	138.91	A (I _n) @ 60Hz
FI Current @ 208V	22.4	A (I _n) @ 60Hz
Service Factor	1.15	@ 60Hz
	-	@ 50Hz
KVA Code	H	60Hz
	-	50Hz
Nominal Efficiency	83	% @ 60Hz
Nominal Power Factor	0.98	cosΦ @ 60Hz
Leads (Qty, Size)	4	12
Connection	-	-
Coil Resistance	-	Ω
Start Capacitor	300/330	µF/V
Run Capacitor	60/450	µF/V
VFD DUTY (S.F. 1.0)	RATIO	Hz
Variable Torque	-	-
Constant Torque	-	-
FULL LOAD TEMPERATURE RISE		
Full Load Temperature Rise	61.1	°C @ 60Hz
	-	°C @ 50Hz

GENERAL DATA		
Frame Size	184T	
Enclosure	TEFC	
Mounting	Rigid	
Approximate Weight (lbs.)	106.2 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	6206 2RS	
Bearing ODE Side	6205 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: 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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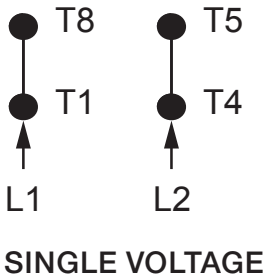
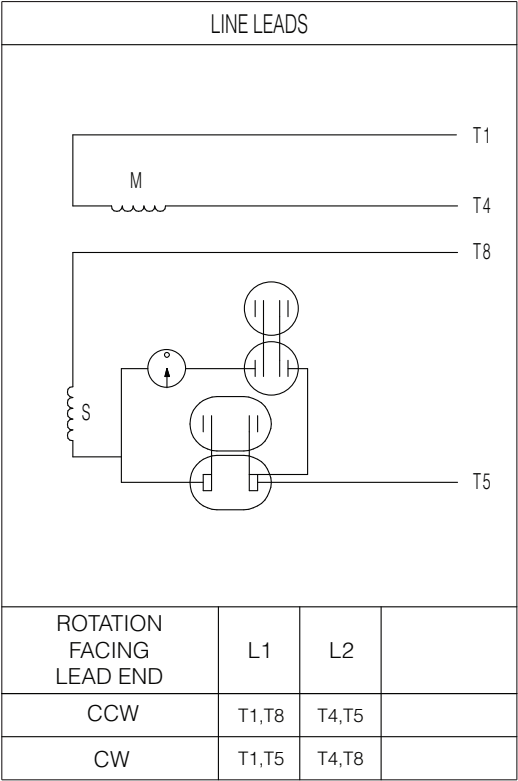
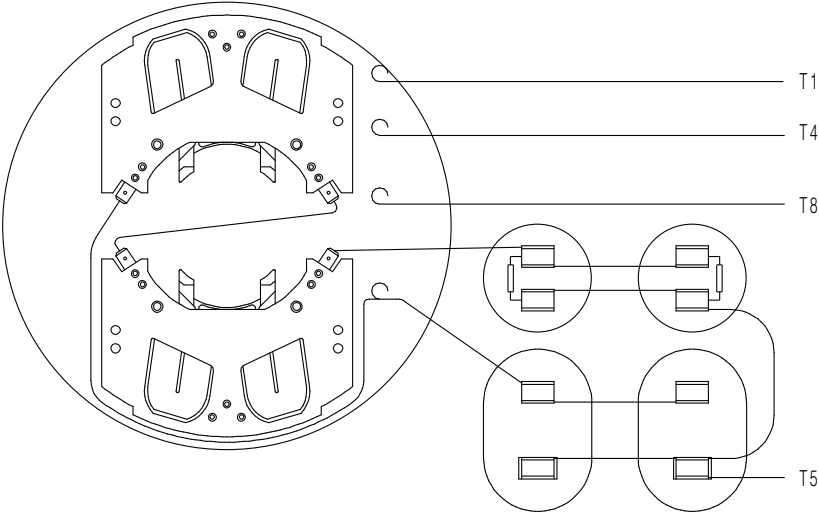
PERFORMANCE LOAD VALUES, HIGH VOLTAGE, 60Hz			TYPICAL PERFORMANCE - NOT GUARANTEED VALUES	
TORQUE VALUES	TORQUE (lb-ft)	TORQUE (% FULL LOAD)	PERFORMANCE VALUES	
Locked Rotor Torque	7.5	203	Start Configuration	DOL
Pull-Up Torque	11.5	153	Starting Current (A)	138.91
Breakdown Torque	19.1	254	No-Load Current (A)	6.2
Full Load Torque	15.2	100	No-Load Power Factor	-

% OF RATED LOAD	25	50	75	100	125	S.F. 1.15
Line Amperes (A)	-	-	-	19.2	-	-
Efficiency (%)	-	-	-	85	-	-
Speed (r/min)	-	-	-	3511	-	-
Power Factor (cosΦ)	-	-	-	1	-	-
Input Power (kW)	-	-	-	-	-	-

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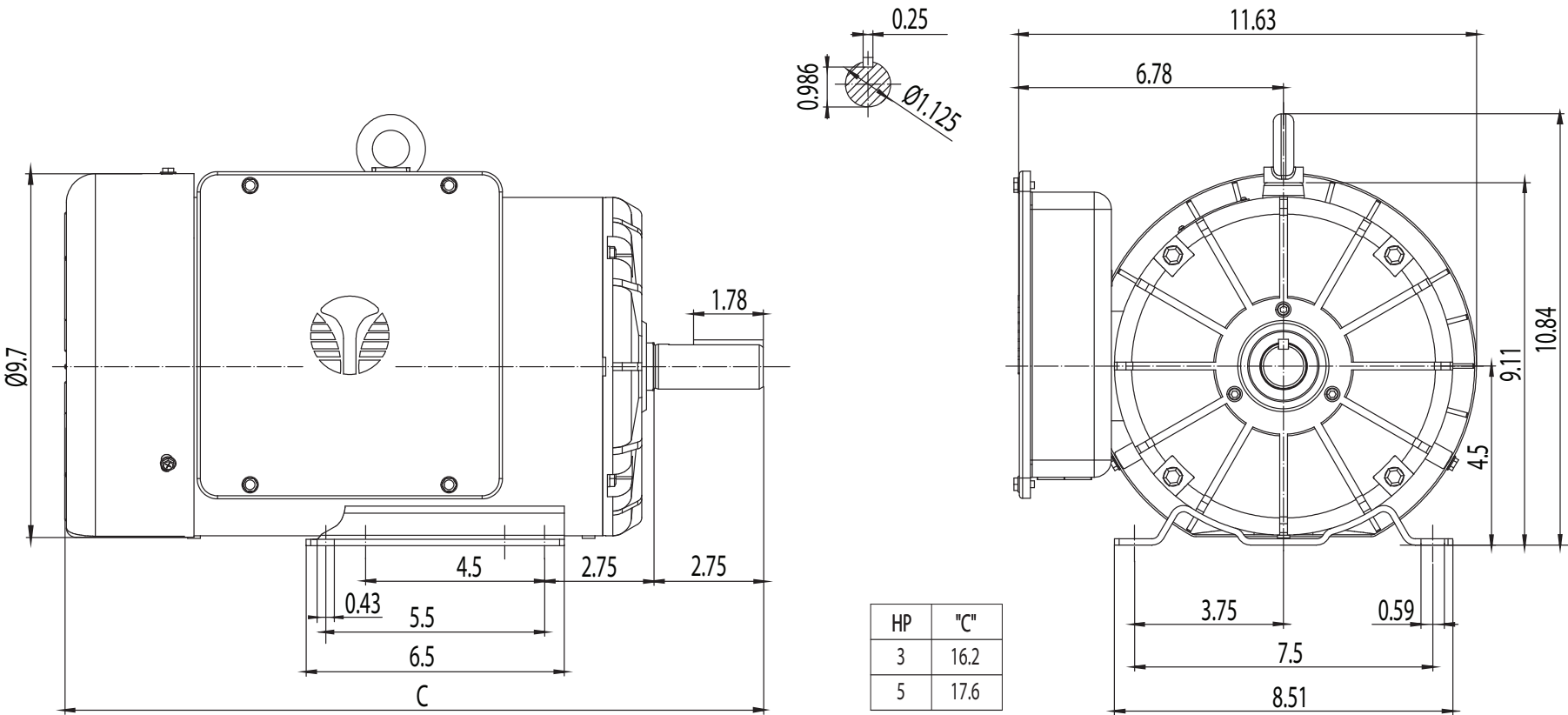
Model **GPS0052B-01**
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NEMA 1Ø General Purpose Single

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 184T

DRAWING NUMBER:	BL1-RS-TF-180T-01	ISSUED DATE	01/08/25
DIMENSIONS:	Inches	GENERAL PURPOSE SINGLE PHASE MOTORS	
MOUNTING:	Rigid		
CASING MATERIAL:	Rolled Steel		