

NEMA

Model GPS0072B-TC-01
MFG PN: SLF213T7.5Z2L-CAN

Model **GPS0072B-TC-01**

Product Data Package



MODEL	HP	RPM	VOLTAGE	PHASE	Hz	FRAME	MOUNT	ENCLOSURE
GPS0072B-TC-01	7.5	3500	208-230	1	60	213TC	Rigid/C-Flange	TEFC

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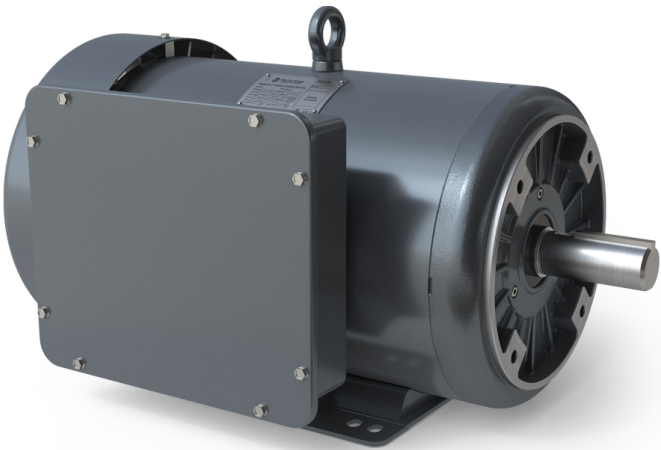
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Index

Motor General Data Sheet	P 2
Nameplate Information	P 3
Technical Performance Data	P 4
Motor General Wiring Diagram	P 5
Motor General Outline Drawing	P 6



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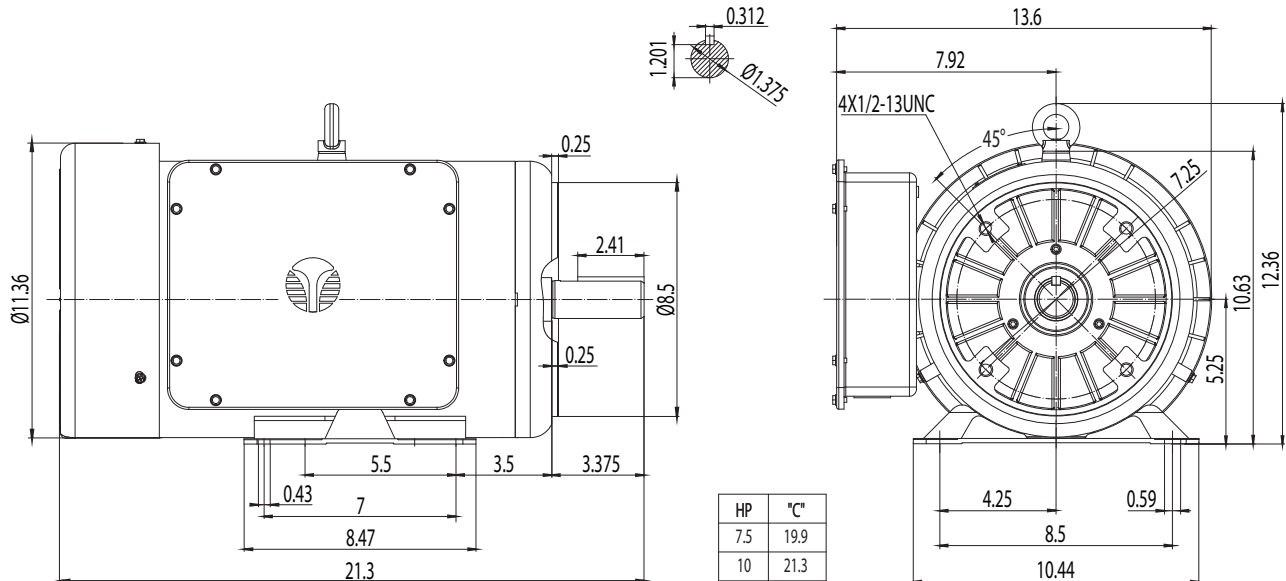
ELECTRICAL DATA		
Rated Motor Output Power	7.5	HP
	-	kW
Rated Motor Speed	3500	r/min 60Hz
	-	r/min 50Hz
Rated Motor Voltage (+/-10%)	208-230	V/60Hz
	-	V/50Hz
Rated Motor Current	32.9-29.4	A (I _n) @ 60Hz
	-	A (I _n) @ 50Hz
Phase	1	Ø
Locked Rotor Current @ High Voltage	218.06	A (I _n) @ 60Hz
FI Current @ 208V	32.9	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	10
Connection	-	-
Coil Resistance	-	Ω
Start Capacitor	500/350	µF/V
Run Capacitor	80/450	µF/V
VFD DUTY (S.F. 1.0)	RATIO	Hz
Variable Torque	-	-
Constant Torque	-	-
FULL LOAD TEMPERATURE RISE		
Full Load Temperature Rise	58.1	°C @ 60Hz
	-	°C @ 50Hz

GENERAL DATA		
Frame Size	213TC	
Enclosure	TEFC	
Mounting	Rigid/C-Flange	
Approximate Weight (lbs.)	187.4 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	6208 2RS	
Bearing ODE Side	6206 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 DATA	60Hz	50Hz
Horse Power	7.5	-
RPM	3500	-
Voltage	208-230	-
Full Load Amps	32.9-29.4	-
Service Factor	1.15	-
KVA Code	H	-
Full Load Amps (208V)	32.9	-
Nominal Efficiency	83	-
Nominal Power Factor	0.98	-
Design	L	
Frame	213TC	
Enclosure Type	TEFC	
IP Rating	54	
Duty	Cont. / S1	
Insulation Class	F	
Ambient Rating	40	
Drive End Bearing	6208 2RS	
Opposite Drive End Bearing	6206 2RS	
Weight (lbs)	187.4	

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

☐ ☐

WIRING DIAGRAM

CAPACITOR DATA	μF	VOLTAGE
Start Capacitor	500	350
Run Capacitor	80	450

*For max speed please contact Techtop Canada

HAZARDOUS LOCATIONS	-
Class / Division	-
Groups	-

Questions? Call 1.888.286.1820

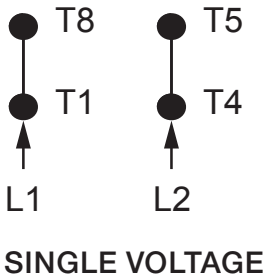
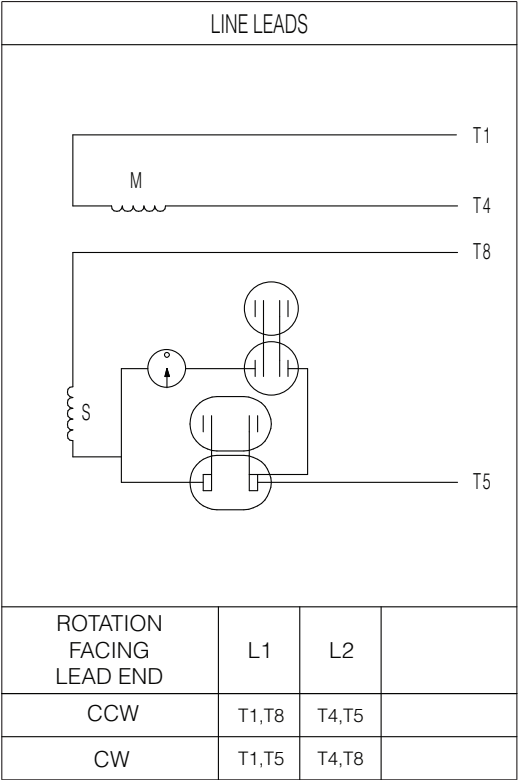
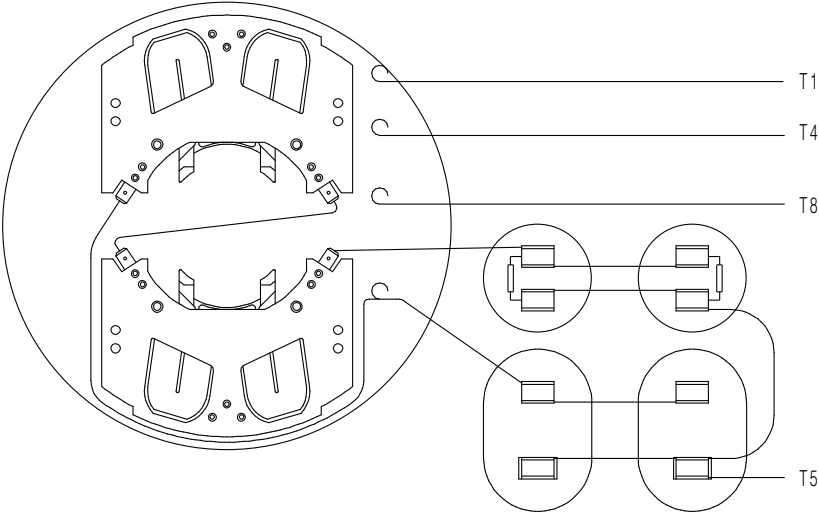


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PERFORMANCE LOAD VALUES, HIGH VOLTAGE, 60Hz			TYPICAL PERFORMANCE - NOT GUARANTEED VALUES	
TORQUE VALUES	TORQUE (lb-ft)	TORQUE (% FULL LOAD)	PERFORMANCE VALUES	
Locked Rotor Torque	11.3	306	Start Configuration	DOL
Pull-Up Torque	16.5	147	Starting Current (A)	218.06
Breakdown Torque	30.4	270	No-Load Current (A)	7.1
Full Load Torque	34.4	100	No-Load Power Factor	-

% OF RATED LOAD	25	50	75	100	125	S.F. 1.15
Line Amperes (A)	-	-	-	28.7	-	-
Efficiency (%)	-	-	-	83.3	-	-
Speed (r/min)	-	-	-	3509	-	-
Power Factor (cosΦ)	-	-	-	1	-	-
Input Power (kW)	-	-	-	-	-	-

Questions? Call 1.888.286.1820



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	

