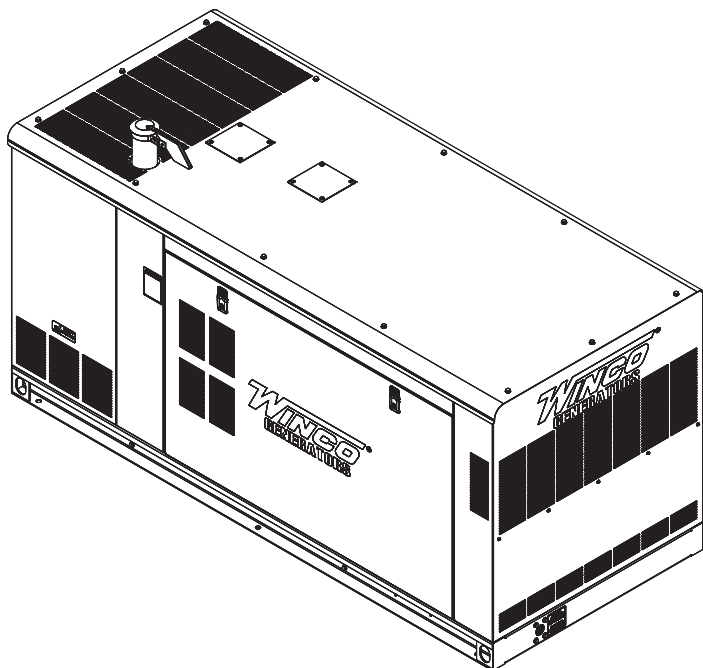


PSS100P4/A



Designed, engineered, and manufactured in our facility located in Le Center, Minnesota, equipped with modern engineering, fabrication and assembly capabilities.

Full Load Tested

Every generator is 100% load tested in-house.

Rugged Design

Engineered and built tough with powder coat painted galvanealed steel.

GM Turbo Engine

The 8-cylinder, overhead valve engine meets EPA/CARB emission regulations. The 5.7L is the premier industrial workhorse, providing the power needed to get the job done without sacrificing fuel efficiency or durability.



STAMFORD[®]

VOLTS	POWER FACTOR	LP			NG		
		WATTS	KVA	AMPS	WATTS	KVA	AMPS
120/240 1-PH	1.0	80,000	80.0	333	100,000	100	416
120/208 3-PH	0.8	80,000	100.0	278	100,000	125	347
120/240 3-PH	0.8	80,000	100.0	240	100,000	125	300
277/480 3PH	0.8	80,000	100.0	120	100,000	125	150
346/600 3-PH	0.8	80,000	100.0	96	100,000	125	120

MOTOR STARTING (CODE G)	40 HP
DBA @ 7 METERS FULL LOAD	82
TOTAL HARMONIC DISTORTION	< 5%
MAIN CIRCUIT BREAKER	
120/240 1-PH	400A, 240V
120/208 3-PH	350A, 240V
120/240 3-PH	350A, 240V
277/480 3-PH	150A, 600V
346/600 3-PH	150A, 600V
FLOATING NEUTRAL	YES

REQUIRED BATTERY ⁽¹⁾	GROUP 24 650 CCA
BATTERY CHARGER	5 AMP GUEST
ASSEMBLED IN	USA
EPA APPROVED	STANDBY ONLY
TÜV CERTIFICATION	
CSA	YES
UL2200	YES
UNIT WARRANTY ⁽²⁾	2 YEAR/2,000 HOURS

ENGINE

ENGINE BRAND	PSI
ENGINE MODEL	5.7L INDUSTRIAL
ENGINE STARTER	12V ELECTRIC
ENGINE SPEED	1800 RPM
ENGINE CYLINDERS	8
ENGINE HP	
LP	113
NG	153
FREQUENCY	60 HZ
TORQUE	
LP	230 FT/LBS
NG	255 LBS/LBS
ALTERNATOR	70 AMPS
BMEP	
LP	206 PSI
NG	187 PSI
FLYWHEEL	11.5"

ROTATION	CCW
ASPIRATION	TURBOCHARGED/AC
BORE/STROKE	101.6 mm x 88.4 mm
DISPLACEMENT	5736.5 CC
EXHAUST OUTLET	3.5"
LOW OIL PROTECTION	STANDARD
RECOMMENDED OIL ⁽³⁾	5W-30 SAE
OIL CAPACITY	5 QT
GOVERNOR	ELECTRONIC
COMPRESSION RATIO	9.4:1
FAN TYPE	PUSHER
COOLANT CAPACITY	7.3 L
HIGH COOLANT TEMP PROTECTION	STANDARD
COMBUSTION AIR	272 LBS/FT @ 2500 RPM
RADIATOR COOLING AIR	16,300 CFM

FUEL

INLET PRESSURE	4-6 OZ/7-11" WATER COLUMN
FUEL INLET SIZE	1.25"
FUEL CONSUMPTION LP	
100%	12.4 GAL/HR - 1,192,000 BTU/HR
50%	7.8 GAL/HR - 745,000 BTU/HR
0%	3.1 GAL/HR - 298,000 BTU/HR

FUEL CONSUMPTION NG	
100%	1,230 FT ³ /HR - 1,230,000 BTU/HR
50%	768 FT ³ /HR - 768,750 BTU/HR
0%	307 FT ³ /HR - 307,500 BTU/HR

GENERATOR END

GENERATOR END BRAND	STAMFORD
GENERATOR END MODEL	UCI274D
WINDING	
1-PHASE	06
3-PHASE	311
VOLTAGE REGULATION	AVR +/- 1%
AVR TYPE	AS440
TEMPERATURE RISE	125/40° C
TYPE	REVOLVING FIELD
BRUSHLESS	YES
SPEED	1800 RPM

ROTOR	2/3 PITCH
WINDINGS	100% COPPER
STATOR WINDING	
06	SINGLE LAYER CONCENTRIC
311	DOUBLE LAYER CONCENTRIC
COUPLING	DIRECT/FLEXIBLE DISC
BEARINGS	SINGLE (MAINTENANCE FREE)
EFFICIENCY PEAK	
1-PH 1.0 PF	87.2
3-PH 0.8 PF	91.0
INSULATION	CLASS H
INGRESS PROTECTION	IP23

BLOCK HEATER

VOLTS	120
WATTS	1,000
AMPS	8.4

THERMOSTAT	
ON	100° F
OFF	120° F



DERATES

ABOVE SEA LEVEL	3% PER 1,000 ft
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TEMPERATURE EVERY 10°F ABOVE 77°F	3%
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DSE 7310 MKII CONTROLLER

ENGINE DISPLAY/PROTECTION

ENGINE RPM	YES
LOW OIL PRESSURE	YES
HIGH COOLANT TEMP	YES
LOW COOLANT	YES
OVER/UNDER SPEED	YES
OVER CRANK	YES
CAN ECU SHUTDOWN	YES

GENSET DISPLAY/PROTECTION

VOLTAGE (L-N & L-L)	YES
OVER/UNDER VOLTAGE	YES
FREQUENCY	YES
OVER/UNDER FREQUENCY	YES
AMP DISPLAY/SHUTDOWN	YES
PHASE IMBALANCE	DISABLED
KW, KVA, KVARH DISPLAY	YES
KWH, KVAH, KVARH DISPLAY	YES
GENERATOR PHASE SEQUENCE	OPTIONAL

ADDITIONAL DISPLAYS/PROTECTIONS

EXTERNAL E-STOP	YES
BATTERY VOLTAGE	YES
BATTERY OVER/UNDER VOLTAGE	YES

COMMUNICATIONS

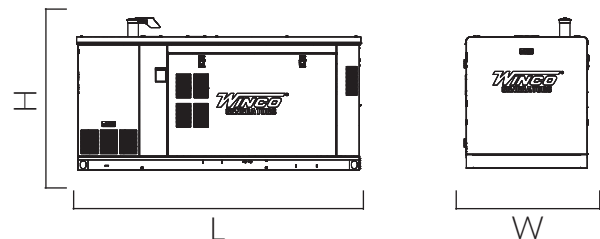
USB CONNECTABLE	YES
RS232/RS485	YES
NFPA ANNUNCIATOR	OPTIONAL
REMOTE DISPLAY PANEL	OPTIONAL
ETHERNET/MODEM	OPTIONAL

ADDITIONAL FEATURES

AUDIBLE ALARM	YES
ENGINE EXERCISER	YES
MAINTENANCE INTERVAL TIMER	OPTIONAL
LOAD SHEDDING/DUMMY	OPTIONAL
CONFIGURABLE INPUTS	4 (EXPANDABLE)
CONFIGURABLE OUTPUTS	4 (EXPANDABLE)
EVENT LOG	250

SHIPPING

SHIPPING DIMENSIONS (L x W x H)	113" x 47" x 67"
SHIP WEIGHT	2,964 LBS
FREIGHT CLASS	70



OPTIONAL ACCESSORIES

GENERATOR STRIP HEATER	VARIES
NFPA LEVEL 110 UPGRADE	VARIES
AUTOMATIC TRANSFER SWITCH	ASCO 185 ASCO 300
VAPOR FUEL STRAINER	98573-125
BATTERY CHARGER UPGRADE	10 AMP

BATTERY HEATER	350179-5
LP LIQUID WITHDRAWAL	99367-000
DSE890 WEBNET	352014-4
MAINTENANCE KIT	16200-016

NOTES:

- (1) Batteries not included.
- (2) For more warranty information, see operator's manual.
- (3) The recommended oil is for normal applications.
See operator's manual for more oil recommendations.

Specifications are subject to change without notice.



Sales: 507-357-6821
Service: 507-357-6831

