

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

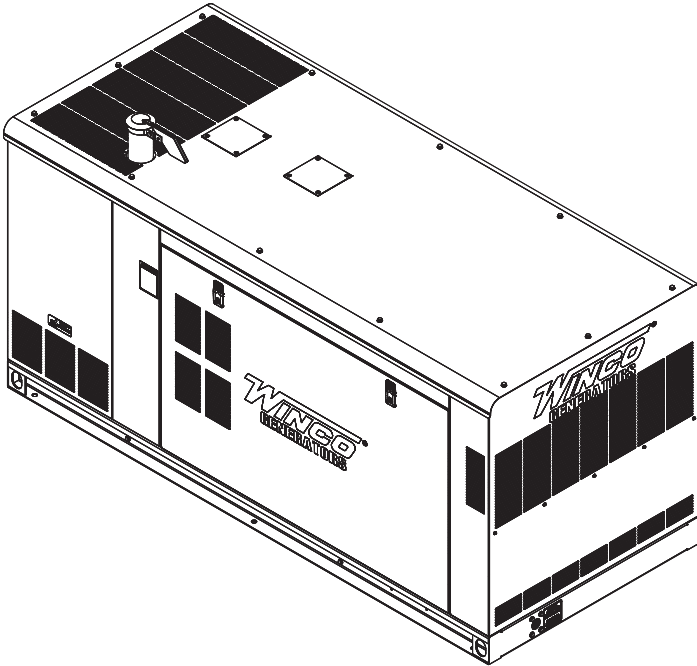
Every generator is 100% load tested in-house.

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.



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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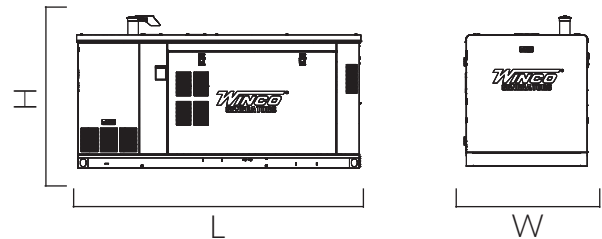
DSE 7310 MKII CONTROLLER

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

