

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

### Rugged Design

Engineered for a longer lifetime in varying weather conditions with multiple housing options.

### Full Load Tested

Every generator is 100% load tested in-house.

### DSE7310 Controller

Provides immediate performance information.



VOLTS	POWER FACTOR	LP			NG		
		WATTS	KVA	AMPS	WATTS	KVA	AMPS
120/240 1-PH 4-LEAD	1.0	120,000	120,000	500	140,000	140,000	583
120/240 1-PH 12-LEAD	0.8	120,000	120,000	500	125,000	125,000	520
120/208 3-PH	0.8	125,000	156,000	434	150,000	187,000	521
120/240 3-PH	0.8	125,000	156,000	375	150,000	187,000	450
277/480 3PH	0.8	125,000	156,000	188	150,000	187,000	225

MOTOR STARTING (CODE G)	
LP	67 HP
NG	84HP
DBA @ 7 METERS FULL LOAD	80.8
TOTAL HARMONIC DISTORTION	< 5%
MAIN CIRCUIT BREAKER	ADJUSTABLE
FLOATING NEUTRAL	YES
REQUIRED BATTERY <sup>(1)</sup>	GROUP 31 900 CCA

BATTERY CHARGER	5 AMP GUEST
ASSEMBLED IN	USA
EPA APPROVED	YES
CARB APPROVED	YES
TÜV CERTIFICATION	
CSA	YES
UL2200	YES
UNIT WARRANTY <sup>(1)</sup>	2 YEAR/2,000 HOURS

# ENGINE

ENGINE BRAND	PSI
ENGINE MODEL	8.8 INDUSTRIAL
ENGINE STARTER	12V ELECTRIC
ENGINE SPEED	1800 RPM
ENGINE CYLINDERS	8
ENGINE HP	
LP	230
NG	261
FREQUENCY	60 HZ
TORQUE	
LP	495 FT/LBS
NG	565 FT/LBS
ALTERNATOR	-
FLYWHEEL	11.5"
ROTATION	CW FROM FRONT

ASPIRATION/COOLING	TURBOCHARGED
COOLANT	14.5 L
BORE/STROKE	110.5 mm x 114.3 mm
DISPLACEMENT/TYPE	535 CID
LOW OIL PROTECTION	STANDARD
RECOMMENDED OIL <sup>(2)</sup>	5W-30 SAE
OIL CAPACITY	2 GAL
GOVERNOR	ELECTRONIC
COMPRESSION RATIO	10.1:1
FAN TYPE	PUSHER
RADIATOR COOLING AIR	-
EXHAUST OUTLET SIZE	5"
CUMBUSTION AIR	33.9 FT <sup>3</sup> /MIN

# FUEL

FUEL PRESSURE	4-6 OZ/7-11" WATER COLUMN
FUEL CONSUMPTION LP	
100%	19.2 GAL/HR - 1,832,410 BTU/HR
75%	17.4 GAL/HR - 1,662,790 BTU/HR
50%	12.9 GAL/HR - 1,233,600 BTU/HR
25%	5.7 GAL/HR - 547,410 BTU/HR

FUEL INLET SIZE	1.25"
FUEL CONSUMPTION NG	
100%	1,965 FT <sup>3</sup> /HR - 2,004,300 BTU/HR
75%	1,545 FT <sup>3</sup> /HR - 1,575,900 BTU/HR
50%	1,047 FT <sup>3</sup> /HR - 1,067,940 BTU/HR
25%	589 FT <sup>3</sup> /HR - 600,780 BTU/HR

# GENERATOR END

GENERATOR END BRAND	STAMFORD
GENERATOR END MODEL	UCI274G
WINDING	12 LEAD
WINDING NUMBER	311
VOLTAGE REGULATION	AVR +/- 1%
AVR TYPE	AS440
TEMPERATURE RISE	125/40°C
TYPE	REVOLVING FIELD
BRUSHLESS	YES
SPEED	1800 RPM

STATOR	2/3 PITCH
WINDINGS	100% COPPER
STATOR WINDING	DOUBLE LAYER CONCENTRIC
COUPLING	DIRECT/FLEXIBLE DISC
BEARINGS	SINGLE (MAINTENANCE FREE)
EFFICIENCY PEAK	@ 0.8 PF
SINGLE PHASE	84.2%
THREE PHASE	90.4%
INSULATION	CLASS H
INGRESS PROTECTION	IP23

# DERATES

ABOVE SEA LEVEL PER 1,000 FT	3%
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AMBIENT TEMPERATURE EVERY 10°F ABOVE 77°F	3%
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# BLOCK HEATER

VOLTS	120
WATTS	1,800
AMPS	15 AMPS

THERMOSTAT	
ON	100° F
OFF	120° F



# 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

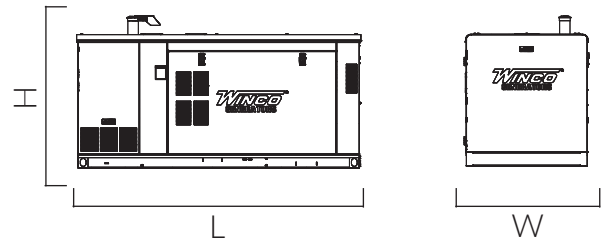
USB CONNECTABLE	YES
RS232/RS485	YES
NFPA ANNUNCIATOR	OPTIONAL
REMOTE DISPLAY PANEL	OPTIONAL
ETHERNET/MODEM	OPTIONAL

## 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)	
OPEN	117" x 52.73" x 76.6"
HOUSED	132" x 52.73" x 77.2"
SHIP WEIGHT	5,500 LBS
FREIGHT CLASS	70



## OPTIONAL ACCESSORIES

GENERATOR STRIP HEATER	VARIES
NFPA 110 LEVEL 1 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	16200-017

### 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

