

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

### Flexible System

Available in configurations for stationary, mobile, standby, prime and well head applications.

### Containment Skid

Ready to work with its rugged design.

### Cam-Lock Receptacles

Quickly connect loads without hard wiring.



VOLTS	PF	PRIME						STANDBY					
		LP			NG			LP			NG		
		WATTS	KVA	AMPS	WATTS	KVA	AMPS	WATTS	KVA	AMPS	WATTS	KVA	AMPS
120/240 1-PH	1.0	110,000	110	458	170,000	170	708	130,000	130	541	200,000	200	833
120/208 3-PH	0.8	110,000	137.5	381	170,000	212.5	590	130,000	162.5	451	200,000	250	694
120/240 3-PH	0.8	110,000	137.5	330	170,000	212.5	510	130,000	162.5	390	200,000	250	600
277/480 3-PH	0.8	110,000	137.5	165	170,000	212.5	255	130,000	162.5	195	200,000	250	300
346/600 3-PH	0.8	110,000	137.5	132	170,000	212.5	204	130,000	162.5	156	200,000	250	240

Derate 15% for 50Hz

MOTOR STARTING (CODE G)	75 HP
DBA @ 7 METERS	
NO LOAD	77
FULL LOAD	75
TOTAL HARMONIC DISTORTION	< 5%
MAIN CIRCUIT BREAKER	400A, 600V (ADJUSTABLE/SHUNT)
BONDED NEUTRAL	YES
125/250 VOLT FLANGE INLET	(1) L14-20 20A
REQUIRED BATTERIES <sup>(1)</sup>	(2) GROUP 4D

BATTERY CHARGER	5 AMP 24V 10A SOLAR
FORKLIFT POCKETS	NO
ASSEMBLED IN	USA
EPA APPROVED	YES
CARB APPROVED	NO
TÜV CSA CERTIFICATION	NO
UNIT WARRANTY <sup>(2)</sup>	1 YR/2000 HR

# ENGINE

ENGINE BRAND	PSI
ENGINE MODEL	11.1L
ENGINE STARTER	24V ELECTRIC
ENGINE SPEED	1800 RPM
ENGINE CYLINDERS	6
ENGINE HP	
LP	208
NG	315
FREQUENCY	60 HZ
ALTERNATOR	45 AMPS
FLYWHEEL	14"
ROTATION	CCW
ASPIRATION/COOLING	TURBOCHARGED
COOLANT	25 GAL

BORE/STROKE	123mm x 155mm
DISPLACEMENT/TYPE	11.1 L
LOW OIL PROTECTION	STANDARD
RECOMMENDED OIL <sup>(3)</sup>	15W-40 SAE LOW ASH
OIL CAPACITY	6.5 GAL
GOVERNOR	ELECTRONIC
COMPRESSION RATIO	10.5:1
FAN TYPE	PUSHER
COMBUSTION AIR	1,326 CFM
RADIATOR COOLING AIR	18,000 CFM
EXHAUST FLOW	1,326 LB/HR
EXHAUST OUTLET SIZE	3.5"
STARTING TEMP W/BLOCK HEATER	10°F

# FUEL

INLET PRESSURE	4-6 OZ/7-11" WATER COLUMN
FUEL INLET SIZE	
LP LIQUID WITHDRAWAL INLET	1"
UTILITY NG/WELLHEAD INLET	2"
LP TANK SIZE	
32°	2,000 GAL
0°	4,000 GAL
-10°	8,000 GAL

FUEL CONSUMPTION	LP
100%	20 GAL/HR - 6,480,640 BTU/HR
75%	16.5 GAL/HR - 1,509,750 BTU/HR
50%	11.5 GAL/HR - 1,052,250 BTU/HR
25%	6.6 GAL/HR - 603,900 BTU/HR
FUEL CONSUMPTION	NG
100%	2,432 FT <sup>3</sup> /HR - 2,480,640 BTU/HR
75%	2,018 FT <sup>3</sup> /HR - 2,058,360 BTU/HR
50%	1,410 FT <sup>3</sup> /HR - 1,438,200 BTU/HR
25%	802 FT <sup>3</sup> /HR - 818,040 BTU/HR

# GENERATOR END

GENERATOR END BRAND	STAMFORD
GENERATOR END MODEL	
1-PH	UCDI274K
3-PH	UCDI274K
WINDING	
208/240/480V	311 - 12 LEAD
600V	17 - 12 LEAD
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	DOUBLE LAYER CONCENTRIC
COUPLING	DIRECT/FLEXIBLE DISC
BEARINGS	SINGLE (MAINTENANCE FREE)
EFFICIENCY PEAK	
1-PH	91.7
3-PH	92.8
INSULATION	CLASS H
INGRESS PROTECTION	IP23

# DERATES

ABOVE SEA LEVEL	3% Per 1,000 > 1,200 FT
-----------------	-------------------------

AMBIENT TEMPERATURE >77°F	1% EVERY 10°F
---------------------------	---------------

# BLOCK HEATER

VOLTS	240
WATTS	3,000
AMPS	12.5 AMPS

THERMOSTAT	
ON	100° F
OFF	120° F



# TRAILER (if equipped)

GWV	12,000
AXLES	DUAL 6K
STANDARD HITCH SIZE	3" PINTLE

HITCH HEIGHT	ADJUSTABLE
TIRES	ST235/80R16 LRE
TIRE PRESSURE	60 PSI

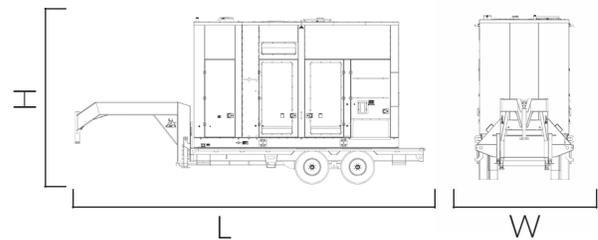
## DSE 7310 MKII CONTROLLER

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)	
W/O TRAILER	150" x 71" x 99"
W/ TRAILER	224" x 102" x 123"
SHIP WEIGHT	
HOUSED	8,200 LBS
TRAILERED	10,900 LBS
FREIGHT CLASS	
HOUSED	70
TRAILERED	85



## OPTIONAL ACCESSORIES

CAMLOCKS	VARIES
BATTERIES	GROUP 8D
DSE8610	WITH PARALLELING CONTACTOR

NOTES:  
 (1) Batteries are 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

