

## REDI-POWER

### Rugged Design



### New FPT Tier IV Engine



### An American Company

We produce our products in our 200,000 ft<sup>2</sup> facility located in Le Center, Minnesota, equipped with modern engineering, fabrication and assembly capabilities.



### Brushless Industrial Genend

With automatic voltage regulation

### Switchable Voltage

Easily switch from single phase to three phase

### Cam-Lock Receptacles

Quickly connects load without hard wiring

### Fork Pockets

Convenient fork pockets integrated into the unit

### External E-Stop

Located outside the unit incase of an emergency

### Single Point Lifting Eye

One lifting eye for quick and easy maneuvering

### Oil Field Skid

Ready to work with its rugged design with fuel tank and containment

### Fold Down Panel

Easily access the electrical panel for maintenance

### Solar Battery Charger

Keeps your start battery charged without needing an extension cord

# SPECIFICATIONS

## ELECTRICAL

VOLTS	POWER FACTOR	STANDBY			PRIME		
		WATTS	KVA	AMPS	WATTS	KVA	AMPS
120/240 1-PH	1.0	47,500	47,500	198	42,750	42,750	178
120/208 3-PH	0.8	47,500	59,375	164	42,750	53,438	148
277/480 3-PH	0.8	47,500	59,375	71	42,750	53,438	64

## ENGINE

ENGINE BRAND	FPT
ENGINE MODEL	F5 C
TIER	IV FINAL
ENGINE STARTER	12V ELECTRIC
ENGINE SPEED	1800 RPM
ENGINE CYLINDERS	4
ENGINE HP	74
FREQUENCY	60 HZ
ALTERNATOR	95 AMPS 12V
FLYWHEEL	11 1/2"
ROTATION	CCW
ASPIRATION/COOLING	TURBOCHARGED
COOLANT	5.1 GAL
BORE/STROKE	99 mm x 110 mm
DISPLACEMENT/TYPE	3.4 L
LOW OIL PROTECTION	STANDARD
RECOMMENDED OIL <sup>(2)</sup>	10W-40 SAE
OIL CAPACITY	10 QT
INJECTION PUMP	BOSCH CP4.1
GOVERNOR	ELECTRONIC
COMPRESSION RATIO	17:1
FAN TYPE	PUSHER
INTAKE AIR CONSUMPTION	617.3 LBS/HR
RADIATOR COOLING AIR	6,865 CFM
EXHAUST	
EXHAUST OUTLET SIZE	4"
STARTING AIDES	GLOW PLUGS
STARTING TEMP NATURAL W/ AIDES	13° F
STARTING TEMP W/BLOCK HEATER	-40° F

NOTES: (1) Steady state frequency regulation. (2) The recommended oil is for normal applications. See operator's manual for the recommended oil for your needs. (3) Battery not included.

## RP50

MOTOR STARTING (CODE G)	20 HP
DBA @ 7 METERS	68
TOTAL HARMONIC DISTORTION	< 5%
MAIN CIRCUIT BREAKER	200 AMP, 600V (SHUNT)
BONDED NEUTRAL	YES
120 VOLT RECEPTACLES	(2) NEMA 5-20 20A (GFCI)
120/240 VOLT RECEPTACLES	(2) C6369 50A
FORKLIFT POCKETS	STANDARD
ASSEMBLED IN	USA
EPA APPROVED	TIER IV FINAL
CARB APPROVED	TIER IV FINAL
CSA APPROVED	NO
UNIT WARRANTY <sup>(1)</sup>	1 YEAR/2,000 HOURS

NOTES: (1) For more generator warranty, see operator's manual.

## GENERATOR END

WINDING	12 LEAD
WINDING NUMBER	311
VOLTAGE REGULATION	AVR +/- 1%
AVR TYPE	SX460
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	92.5
INSULATION	CLASS H
INGRESS PROTECTION	IP23

# SPECIFICATIONS

## DERATES

ABOVE SEA LEVEL	
6,561 FT	10%
9,842 FT	20%
COOLANT TEMPERATURE	
>226°F	NO DERATE
226°F - 237°F	50%

## FUEL

TYPE	ASTM D975 NO-2D DIESEL
FUEL TANK	95 GAL 110% CONTAINMENT
FULL LOAD RUN TIME <sup>(1)</sup>	27 HOURS
FUEL CONSUMPTION	GAL/HR
100%	3.60
80%	3.65

NOTES: (1) Run time is estimated.

## SHIPPING

SHIPPING DIMENSIONS (L x W x H)	150" x 71" x 88"
SHIP WEIGHT	4,500 LBS
FREIGHT CLASS	85

## 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

## TRAILER

CAPACITY	5,000 LBS
TORFLEX AXLES	SINGLE
STANDARD HITCH SIZE	2" BALL COUPLING
HITCH HEIGHT	ADJUSTABLE
TIRES	15"
TIRE PRESSURE	65 PSI

## OPTIONAL ACCESSORIES

COUPLER <sup>(1)</sup>	2 5/16"
PINTLE	3"
50 AMP PLUG	CS6365C
TRAILER ACCESSORIES	SPARE TIRE TOOL BOX
BATTERY	
DEDICATED VOLTAGE	
DSE8610	WITH PARALLELING CONTACTOR

NOTES: (1) 2" coupler comes standard.

### ADDITIONAL DISPLAYS/PROTECTIONS

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

### COMMUNICATIONS

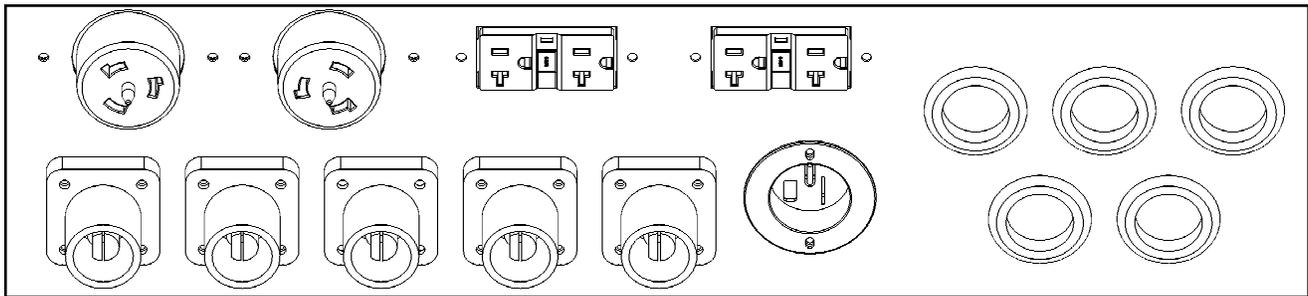
USB CONNECTABLE	YES
RS232/RS485	YES
NFPA ANNUNCIATOR	OPTIONAL
REMOTE DISPLAY PANEL	OPTIONAL
ETHERNET/MODEM	OPTIONAL

### 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

# SPECIFICATIONS

## Receptacle Panel



## Dimensions

