

WINGCO[®] GENERATORS

An American Company

We produce our products in our 200,000 ft² 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

RP50

47,500 WATTS

REDI-POWER

Rugged Design



New FPT Tier IV Engine



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 ⁽²⁾	10W-40 SAE
OIL CAPACITY	8.5 QT
INJECTION PUMP	BOSCH CP4.1
GOVERNOR	ELECTRONIC
COMPRESSION RATIO	16.5:1
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 W/ AIDES	5° F
STARTING TEMP W/BLOCK HEATER	-25° 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)	21 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
TÜV CSA CERTIFICATION	YES
UNIT WARRANTY ⁽¹⁾	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	
> 3,280 FT	3% EVERY 1,640 FT
> 9,842 FT	6% EVERY 1,640 FT
AMBIENT TEMPERATURE	
>104°F	2% EVERY 9°F

FUEL

TYPE	ASTM D975 NO-2D DIESEL
FUEL TANK	95 GAL 110% CONTAINMENT
FULL LOAD RUN TIME ⁽¹⁾	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 ⁽¹⁾	2 5/16"
PINTLE	3"
50 AMP PLUG	CS6365C
TRAILER ACCESSORIES	SPARE TIRE TOOL BOX
BATTERY	GROUP 24 650 CCA
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