

WINCO[®] GENERATORS



An American Company

We produce our products in our 200,000ft² facility located in Le Center, Minnesota, equipped with modern engineering, fabrication and assembly capabilities.



Full Load Tested

Every generator is 100% load tested



DSE 7310 Controller

Provides immediate performance information



Coolant Heater

120V in-line Hotstart coolant heater with thermostat



Battery Charger

8 Amp, smart marine charger standard



TÜV Certified

The design, construction, and performance of our stationary generators conform to UL2200 and CSA standards



DR250F4

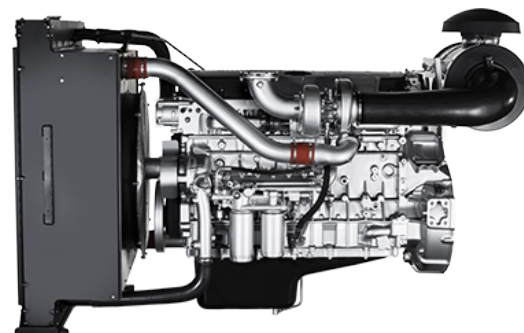
250,000 WATTS

Rugged Design.

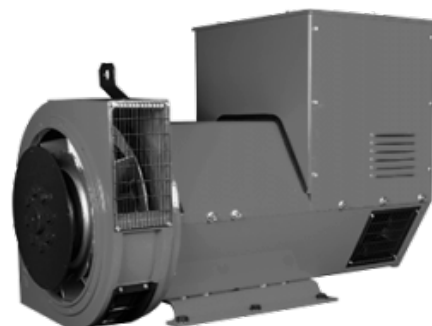
Durable enclosure with powder coat paint



Industrial FPT Engine.



Cummins Industrial Genend.



SPECIFICATIONS

ELECTRICAL

VOLTS	P.F.	STANDBY			PRIME			MAIN CB
		WATTS	KVA	AMPS	WATTS	KVA	AMPS	
120/240 1-PH	1.0	225,000	225	937	202,000	202	841	900
120/208 3-PH	0.8	250,000	312	867	225,000	281	781	900
120/240 3-PH	0.8	250,000	312	752	225,000	281	675	800
277/480 3-PH	0.8	250,000	312	376	225,000	281	338	400
346/600 3-PH	0.8	250,000	312	300	225,000	281	270	300

NOTE: (1) Adjustable 400A-1000A circuit breakers are on 208V, 240V, and 480V 3-PH models.

ENGINE

ENGINE BRAND	FPT
ENGINE MODEL	C87 TE1D
TIER	III
ENGINE STARTER	24V ELECTRIC
ENGINE SPEED	1800 RPM
ENGINE CYLINDERS	6
ENGINE HP	391
FREQUENCY ⁽¹⁾	60 HZ
ALTERNATOR	90 AMPS 24V
FLYWHEEL	14"
ROTATION	CCW
ASPIRATION	TURBOCHARGED
COOLANT	12.6 GAL
BORE/STROKE	117 mm x 135 mm
DISPLACEMENT	8.7L
RECOMMENDED OIL ⁽²⁾	5W-40 SAE
OIL CAPACITY	7.4 GAL
INJECTION PUMP	BOSCH TYPE
GOVERNOR	ELECTRONIC
COMPRESSION RATIO	16.5:1
FAN TYPE	PUSHER
INTAKE AIR CONSUMPTION	735 CFM
RADIATOR COOLING AIR	13,775 CFM
EXHAUST FLOW	1,557 KG/HR
EXHAUST OUTLET SIZE	5"
STARTING TEMP W/BLOCK HEATER	-13° 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.

DR250

MOTOR STARTING (CODE G)	125 HP
DBA @ 7 METERS	78
TOTAL HARMONIC DISTORTION	< 5%
FLOATING NEUTRAL	YES
FORK LIFT POCKETS	NO
ASSEMBLED IN	USA
EPA APPROVED	TIER III (STANDBY)
CARB APPROVED	TIER III (STANDBY)
TÜV CERTIFICATION	UL2200 CSA
UNIT WARRANTY ⁽¹⁾	
STANDBY	2 YEAR/2000 HRS

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

GENERATOR END

WINDING	12 LEAD
WINDING NUMBER	311
VOLTAGE REGULATION	AVR +/- 1%
AVR TYPE	MX341
PMG	STANDARD
TEMPERATURE RISE	125/40° C
TYPE	REVOLVING FIELD
BRUSHLESS	YES
SPEED	1800 RPM
ROTOR	2/3 PITCH
WINDINGS	100% COPPER
STATOR WINDING	DOUBLE LAYER LAP
COUPLING	DIRECT/FLEXIBLE DISC
BEARINGS	SINGLE (MAINTENANCE FREE)
EFFICIENCY PEAK	93.5
INSULATION	CLASS H
INGRESS PROTECTION	IP23



SPECIFICATIONS

DERATES

ABOVE SEA LEVEL	
3280 - 9842 FT	3% PER 1640 FT
>9842 FT	6% PER 1640 FT
MAX OPERATING TEMPERATURE	122°F
	4% PER 10°F > 104°F

BLOCK HEATER

VOLTS	120
WATTS	2,250
AMPS	18.8
THERMOSTAT	
ON	80° F
OFF	100° F

FUEL

TYPE	ASTM D975 NO-2D DIESEL
FUEL CONSUMPTION	GAL/HR
100%	19.0
75%	14.3
50%	10.3
25%	7.5
OPTIONAL FUEL TANK	L x W x H
560 GAL	144" x 59" x 25"
845 GAL	144" x 59" x 35"

DSE 7310 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
ENGINE MAINTENANCE CODES	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	FIELD ENABLED
KW, KVA, KVARH DISPLAY	YES
KWH, KVAH, KVARH DISPLAY	YES
GENERATOR PHASE SEQUENCE	OPTIONAL

BATTERY

DC SYSTEM	24V
BATTERY RACK/CABLE	INCLUDED
BATTERY CHARGER	8 AMP
REQUIRED BATTERIES ⁽¹⁾	GROUP 4D 1200 CCA

NOTES: (1) 2 batteries are required. Batteries are not included.

DIMENSIONS

DIMENSIONS (L x W x H)	181 x 59 x 87"
WEIGHT	
OPEN	6,300 LBS
HOUSED	8,740 LBS
FREIGHT CLASS	70

NOTES: Shipping dimensions are for an enclosed unit.

OPTIONAL ACCESSORIES

BATTERY
BATTERY HEATER
RECEPTACLE PANEL
MIMIC PANEL
REMOTE MONITORING
NFPA 110 LEVEL 1 UPGRADE

ADDITIONAL DISPLAYS/PROTECTIONS

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

COMMUNICATIONS

USB CONNECTABLE	YES
RS232/RS485	YES
REMOTE DISPLAY PANEL	OPTIONAL
DSE WEB NET	OPTIONAL

ADDITIONAL FEATURES

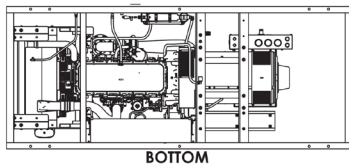
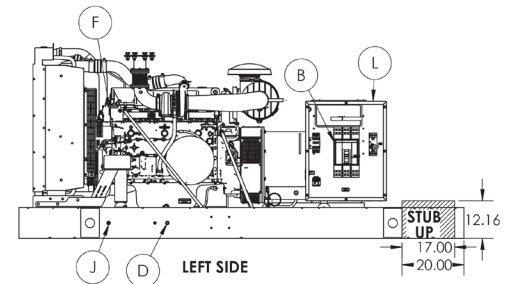
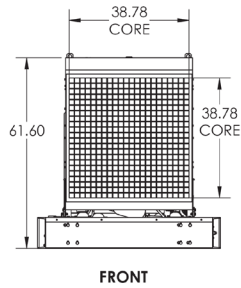
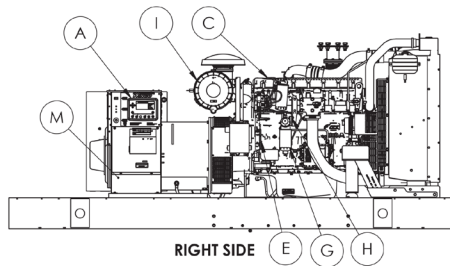
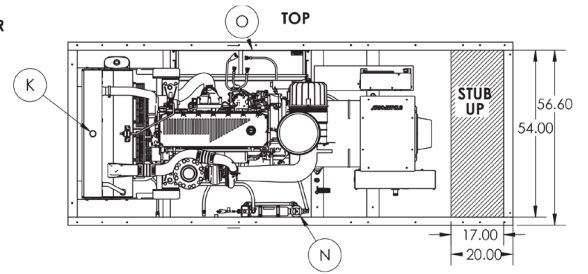
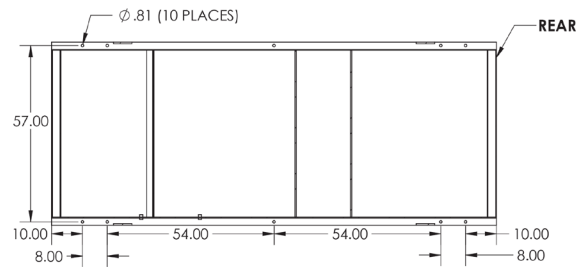
AUDIBLE ALARM	YES
ENGINE EXERCISER	FIELD ENABLED
MAINTENANCE INTERVAL TIMER	FIELD ENABLED
LOAD SHEDDING/DUMMY	FIELD ENABLED
CONFIGURABLE INPUTS	4 (EXPANDABLE)
CONFIGURABLE OUTPUTS	4 (EXPANDABLE)
EVENT LOG	250

DRAWINGS

OPEN SKID

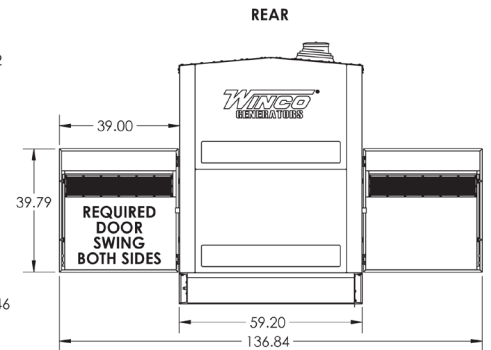
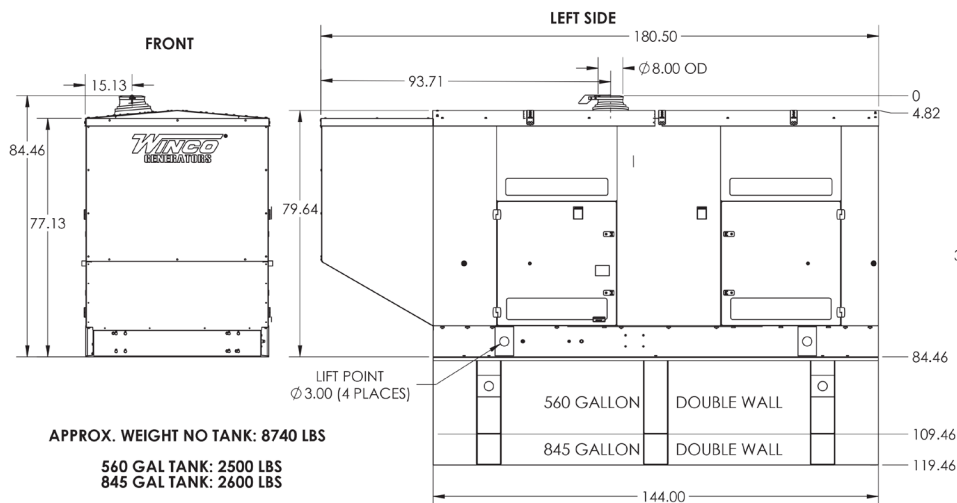
KEY COMPONENTS	
A	ENGINE CONTROL
B	MAIN LINE CIRCUIT BREAKER
C	OIL FILL
D	OIL DRAIN
E	OIL DIPSTICK
F	OIL FILTER
G	FUEL FILTER
H	FUEL INLET
I	AIR FILTER
J	COOLANT DRAIN
K	COOLANT FILL
L	AVR
M	BATTERY CHARGER
N	BLOCK HEATER
O	BATTERY

TOP VIEW HOLE PATTERN



3/8 FUEL HOSE

ENCLOSED



Specifications are subject to change without notice.

