

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

Hotstart coolant heater with thermostat



Battery Charger

5 Amp, smart marine charger standard



TÜV Certified

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



DR400V4

400,000 WATTS

Rugged Design
Galvanealed steel enclosure with powder coat paint



Industrial Volvo Engine



Cummins Industrial Genend.



SPECIFICATIONS

ELECTRICAL

VOLTS	POWER FACTOR	STANDBY			PRIME			CIRCUIT BREAKER
		WATTS	KVA	AMPS	WATTS	KVA	AMPS	
120/208 3-PH	0.8	400,000	500	1,388	360,000	288	1,250	2000
120/240 3-PH	0.8	400,000	500	1,201	360,000	288	1,081	1200
277/480 3-PH	0.8	400,000	500	601	360,000	288	541	600
346/600 3-PH	0.8	400,000	500	481	360,000	288	433	600

ENGINE

ENGINE BRAND	Volvo
ENGINE MODEL	TAD1353GE
TIER	III
ENGINE STARTER	24V ELECTRIC
ENGINE SPEED	1800 RPM
ENGINE CYLINDERS	6
ENGINE HP	585
FREQUENCY	60 HZ
ALTERNATOR	80 AMPS 24V
FLYWHEEL	14"
ROTATION	CCW
ASPIRATION	TURBOCHARGED
COOLANT	6 GAL
BORE/STROKE	131 mm x 158 mm
DISPLACEMENT	12.78L
RECOMMENDED OIL ⁽¹⁾	5W-40 SAE
OIL CAPACITY	9.5 GAL
INJECTION PUMP	ELECTRIC INJECTORS
GOVERNOR	ISOCHRONUS
COMPRESSION RATIO	18.1:1
FAN TYPE	PUSHER
INTAKE AIR CONSUMPTION	1102 CFM
RADIATOR COOLING AIR	--
EXHAUST FLOW	2790 CFM
EXHAUST OUTLET SIZE	5"
STARTING TEMP W/BLOCK HEATER	-13° F

NOTES: (1) The recommended oil is for normal applications. See operator's manual for the recommended oil for your needs.

BLOCK HEATER

VOLTS	120
WATTS	3,000
AMPS	25
THERMOSTAT	
ON	100° F
OFF	120° F

DR400

MOTOR STARTING (CODE G)	225
TOTAL HARMONIC DISTORTION	< 5%
DBA @ 7 METERS	73
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	
208/240/480V	311
600V	17
VOLTAGE REGULATION	AVR +/- 1%
AVR TYPE	MX341
PMG	STANDARD
TEMPERATURE RISE	125/40° C
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	93.6
INSULATION	CLASS H
INGRESS PROTECTION	IP23



SPECIFICATIONS

DERATES

ABOVE SEA LEVEL	
3200 FT - 6500 FT	1.25% EVERY 1,500 FT
>6500 FT	7.5% EVERY 1,600 FT
MAX OPERATING TEMPERATURE	122°F W/O TEMPERATURE DERATE

FUEL

TYPE	ASTM D975 NO-2D DIESEL
FUEL CONSUMPTION	GAL/HR
100%	29.1
75%	22.3
50%	15.3
25%	8.5
OPTIONAL FUEL TANK	L x W x H
1000 GAL - OPEN SKID	138 x 78 x 34
1340 GAL - HOUSED	236 x 78 x 24
3000 GAL - HOUSED	330 x 78 x 36

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)	
HOUSED	236" x 78" x 99"
NARROW SKID	126" x 48" x 72"
WEIGHT	
OPEN	8,950 LBS
HOUSED	11,500 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

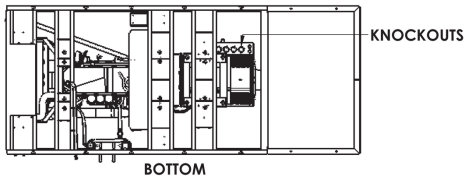
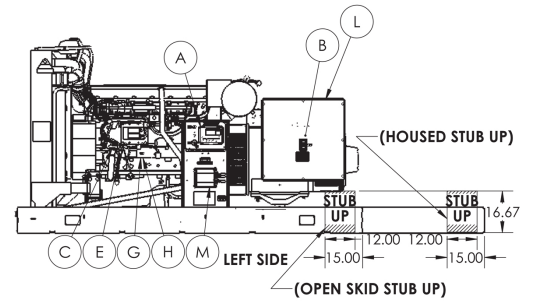
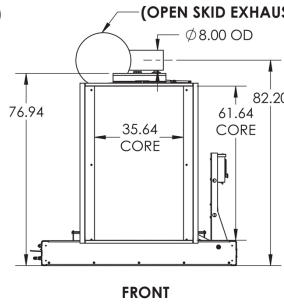
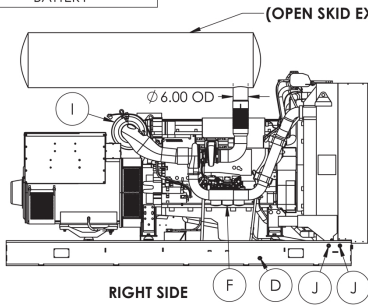
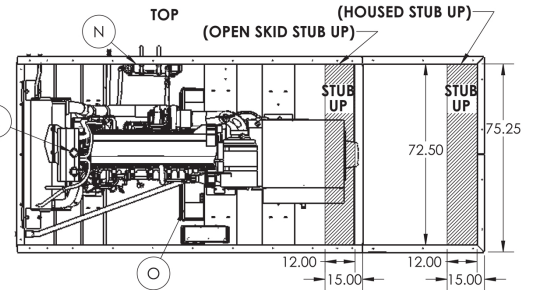
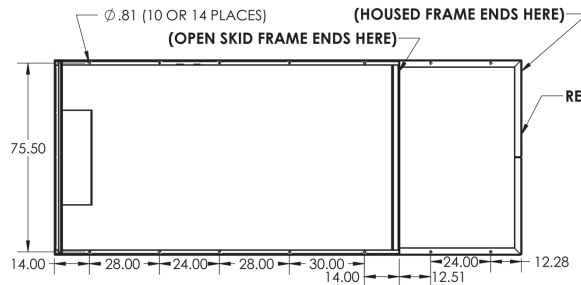
AUDIBLE ALARM	YES
ENGINE EXERCISER	DISABLED
MAINTENANCE INTERVAL TIMER	DISABLED
LOAD SHEDDING/DUMMY	DISABLED
CONFIGURABLE INPUTS	4 (EXPANDABLE)
CONFIGURABLE OUTPUTS	4 (EXPANDABLE)
EVENT LOG	250

DRAWINGS

OPEN

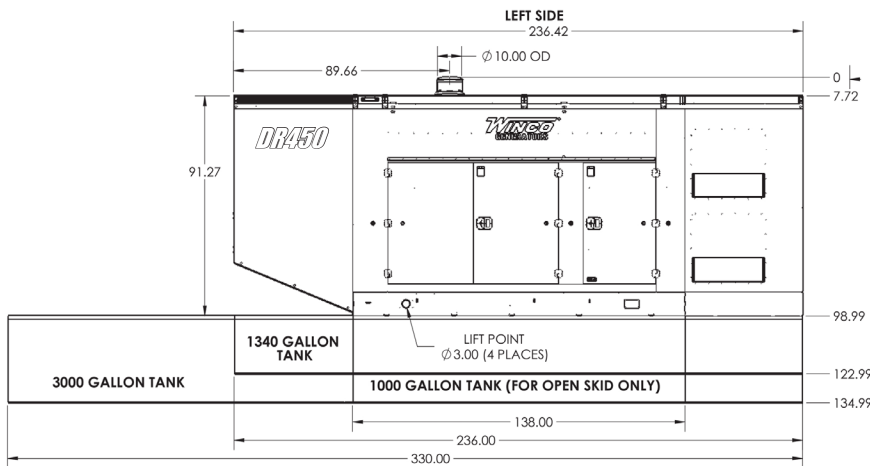
KEY COMPONENTS	
A	ENGINE CONTROL
B	MAIN LINE CIRCUIT BREAKER
C	OIL FILL
D	OIL DRAIN
E	OIL DIPSTICK
F	OIL FILTER
G	FUEL FILTER
H	FUEL INLET
I	AIR FILTER
J	COOLANT DRAIN
K	COOLANT FILL
L	AVR
M	BATTERY CHARGER
N	BLOCK HEATER
O	BATTERY

TOP VIEW HOLE PATTERN

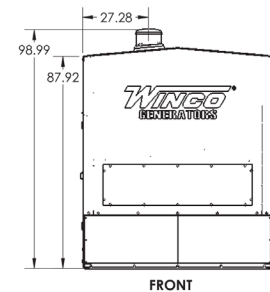
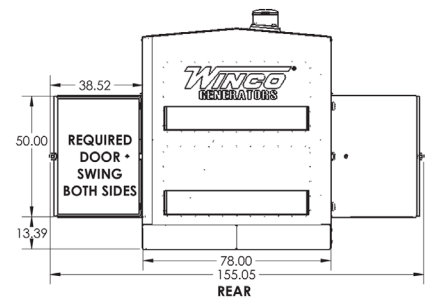


APPROX. WEIGHT (OPEN SKID): 8,950 LBS

ENCLOSED



APPROX. WEIGHT NO TANK (HOUSED): 11,300 LBS



Specifications are subject to change without notice.

