

Features

PSI 8.8L Engine

The 8 cylinder, overhead valve engine meets EPA/CARB emission regulations.

Stamford Generator End

Industrial grade generator ends.

Adjustable Circuit Breaker

Adjusts for switching between voltages.

Battery Charger

Factory installed 3 stage, 2 Amp battery charger.

Block Heater

In-line Kim Hotstart, 120V, block heater with thermostat.

DSE 7310 MKII

Our digital controller is powerful and dynamic with a user-friendly interface.

Galvanealed Steel Weather Enclosure

Our weather enclosures provide sound reduction while our powder coat paint provides a durable, long lasting finish.

100% Load Tested

You won't find statistical sampling here. We load test every generator before it leaves our facility.

PACKAGED STANDBY SYSTEMS

125,000 Running Watts-LP

125,000 Running Watts-NG



Optional Accessories

Generator Strip Heater

Reduces condensation.

ASCO Automatic Transfer Switch

Safely restore power to critical circuits.

Vapor Fuel Strainer

Keep the fuel line free from debris that could cause damage to you generator.

Battery Charger Upgrade

Upgrade from the standard 2 Amp charger to a 5 Amp or 10 Amp with fail contact or 10 Amp NFPA compliant.

Battery Heater

Keeps battery warm for maximum power output at start-up.

NFPA 110 Level 1

Factory installed, includes remote annunciator, DSE 10 Amp battery charger, and low coolant alarm.

WebNet

Control your generator from your smartphone or computer.

LP Liquid Withdrawal

Pulls liquid LP from tank and vaporizes on eng/gen set; allowing you to install smaller fuel lines and smaller fuel tanks.

MODEL NUMBER	OUTPUT	LP GAS			NATURAL GAS		
		VOLTS	WATTS	KVA	AMPS	WATTS	KVA
PSS150-3	120/240 1-PH	125,000	125	520	125,000	125	520
PSS150-4	120/208 3-PH	125,000	156	434	150,000	187	521
PSS150-17	120/240 3-PH	125,000	156	375	150,000	187	450
PSS150-18	277/480 3-PH	125,000	156	188	150,000	187	225

Derating factors: **Temperature** - 3% for every 10°F above 77°F air inlet **Elevation** - 3% per 1,000 feet elevation above sea level.

GENERATOR

SINGLE PHASE ⁽¹⁾	12 LEAD
3 PHASE ⁽²⁾	12 LEAD
VOLTAGE REGULATION	+/- 1%
VOLTAGE CONTROL	AS440
TOTAL HARMONIC DISTORTION	< 5%
TEMPERATURE RISE	125°/40° C
TYPE	4 POLE ROTATING FIELD
BRUSHLESS	YES
GENERATOR SPEED	1800 RPM
ROTOR	2/3 PITCH
WINDINGS	100% COPPER
STATOR WINDING	DOUBLE LAYER CONCENTRIC
EFFICIENCY PEAK	92.5%
COUPLING	FLEXIBLE DISC
BEARINGS	(1) MAINTENANCE FREE
TELEPHONE INTERFERENCE	< 2%
INSULATION	CLASS H
GENERATOR WARRANTY ⁽³⁾	2 YR/2000 HRS

NOTES: (1) Unity (1.0) power factor (2) 3-PH power factor 0.8 (3) For generator warranty information contact your local WINCO service center.

GENSET

CIRCUIT BREAKER ⁽¹⁾	ADJUSTABLE
MOTOR STARTING (GODE G) ⁽²⁾	75 HP
CARB/EPA APPROVED	YES
CSA APPROVED	YES
UL2200 LISTED	YES
TOGGLE FUEL SELECTOR	STANDARD
WINCO WARRANTY ⁽³⁾	2 YRS/2000 HRS

NOTES: (1) When voltage connection is changed, the Instant Trip switch must be changed. See generator manual for complete details. (2) Code G capacitor motor. (3) For generator warranty information contact your local WINCO service center.

ENGINE

BRAND	PSI
MODEL	8.8 INDUSTRIAL
SPEED	1800 RPM
DISPLACEMENT	8.8L
CYLINDERS	8
LUBRICATION	FORCED W/ SPIN-ON FILTER
COOLING	LIQUID
BORE X STROKE	4.35 X 4.50
IGNITION	ELECTRIC
GOVERNOR	ELECTRONIC
EXHAUST	CRITICAL GRADE
EXHAUST OUTLET SIZE	5" AT MUFFLER
RECOMMENDED OIL	SAE 10W-30
OIL CAPACITY	2.25 GALLONS
LOW OIL PROTECTION	STANDARD
HIGH COOLANT TEMP PROTECTION	STANDARD
ENGINE WARRANTY ⁽¹⁾	3 YRS/3500 HRS

NOTES: (1) Contact your local PSI service center for engine warranty information.

FUEL

FUEL CONSUMPTION	
LP @ 100% LOAD	713 FT ³ /HR - 1,832,410 BTU/HR
NG @ 100% LOAD	1965 FT ³ /HR - 2,004,300 BTU/HR
INLET PRESSURE	4-6 OZ / 7"-11" WATER COLUMN
FUEL INLET SIZE	1.25"

BATTERY⁽¹⁾

DC SYSTEM VOLTAGE	12V
DC ALTERNATOR	ENGINE MOUNTED
BATTER RACK/ CABLE	INCLUDED
BATTERY CHARGER	2 A STAGE 3 INCLUDED
REQUIRED BATTERY	BCI 31 900 CCA

NOTES: (1) Battery not included

SHIPPING

DIMENSIONS - ENCLOSED (LxWxH)	132" x 52.73" x 72.2"
DIMENSIONS - OPEN SKID (LxWxH)	117" x 52.73" x 72.1"
NET WEIGHT	4,700 LBS
SHIP WEIGHT	4,720 LBS
FREIGHT CLASS	70

DSE 7310 MKII CONTROL FEATURES

ENGINE DISPLAY/PROTECTION	
ENGINE RPM	YES
LOW OIL PRESSURE	YES
HIGH COOLANT TEMPERATURE	YES
LOW COOLANT LEVEL	OPTIONAL
OVERSPEED	YES
UNDERSPEED	YES
OVERCRANK	YES
CAN ECU SHUTDOWN	YES
GENSET DISPLAY/PROTECTION	
VOLTAGE (L-N)	YES
VOLTAGE (L-L)	YES
OVERVOLTAGE	YES
UNDERVOLTAGE	YES
FREQUENCY	YES
OVERFREQUENCY	YES
UNDER FREQUENCY	YES
PHASE IMBALANCE	DISABLED
KW, KVA, KVARH DISPLAY	YES
KWH, KVAH, KVARH DISPLAY	YES
GENERATOR PHASE SEQUENCE	YES
EARTH CURRENT	OPTIONAL

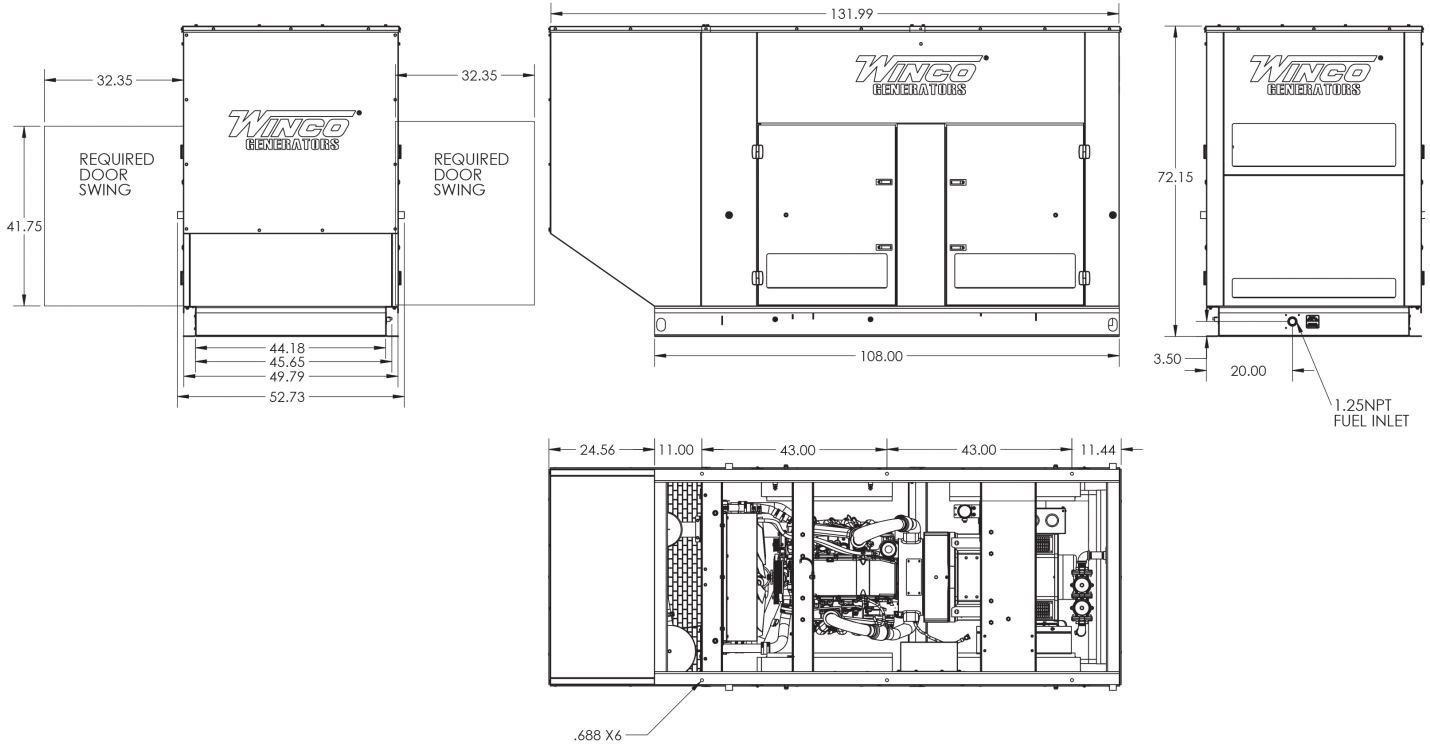
DBA @ 7 METERS

NO LOAD	77.6
FULL LOAD	80.8

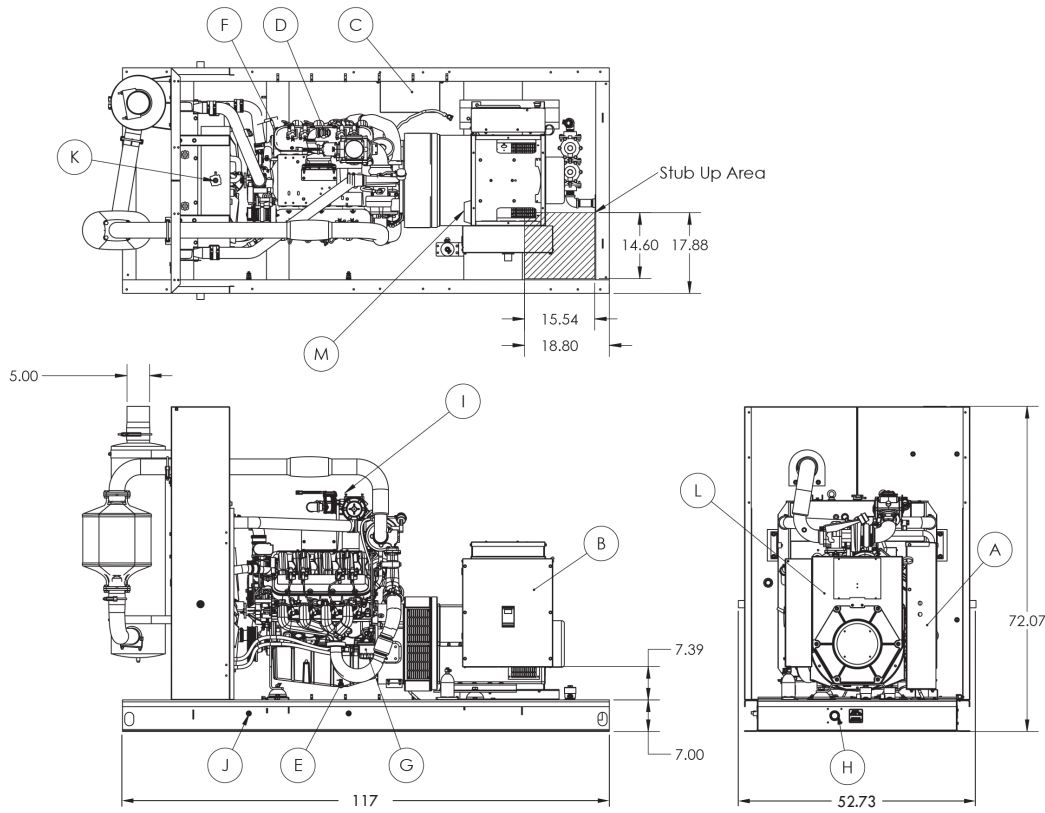
ADDITIONAL DISPLAYS/PROTECTIONS	
EMERGENCY STOP	YES
BATTERY VOLTAGE	YES
BATTERY OVER/UNDER VOLTAGE	YES
BATTERY CHARGER FAILURE	OPTIONAL
COMMUNICATIONS	
USB CONNECTABLE	YES
RS232/RS485	YES
NFPA ANNUNCIATOR OPTIONAL	10XDSE 2548
REMOTE DISPLAY PANEL	3XDSE 2510 OPTIONAL
ETHERNET/MODEM	OPTIONAL
ADDITIONAL FEATURES	
AUDIBLE ALARM	YES
ENGINE EXERCISER	USER ENABLED
MAINTENANCE INTERVAL TIMER	USER ENABLED
CONFIGURABLE INPUTS OPTIONAL	14-32 W/4 DSE 2130
CONFIGURABLE OUTPUTS OPTIONAL	8-80 W/DSE 2157
EVENT LOG	250
ALTERNATIVE CONFIGURATIONS	5
UL/CSA LISTED	YES

Contact your local WINCO dealer for more DSE 7310 MKII information.

ENCLOSED



OPEN SKID



KEY COMPONENTS	
A	ENGINE CONTROL
B	MAIN LINE CIRCUIT BREAKER
C	GROUP 24 BATTERY(NOT INCLUDED)
D	OIL FILL
E	OIL DRAIN
F	OIL DIPSTICK
G	OIL FILTER
H	FUEL INLET
I	AIR FILTER
J	COOLANT DRAIN
K	COOLANT FILL
L	AVR
M	BATTERY CHARGER

Specifications are subject to change without notice.