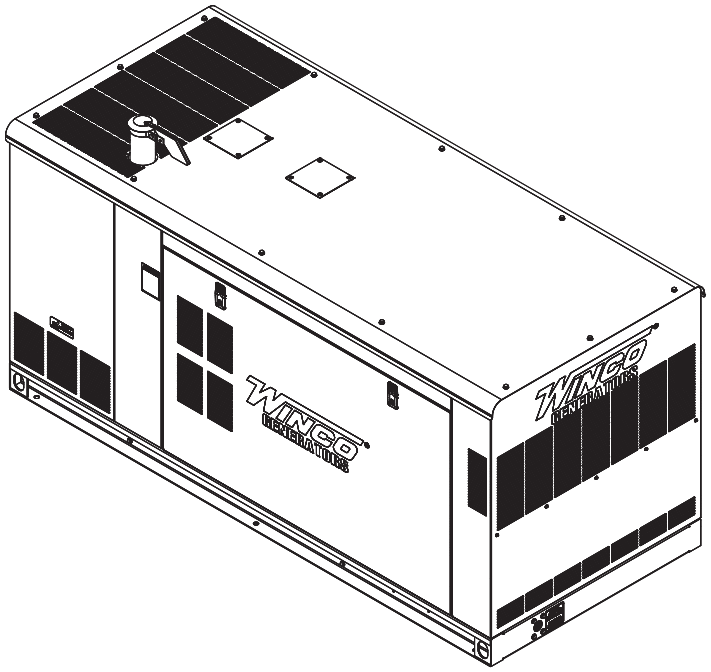
WINCO GENERATORS®
AN AMERICAN COMPANY
www.WINCOGEN.com

PSS21F4



Designed, engineered, and manufactured in our facility located in Le Center, Minnesota, equipped with modern engineering, fabrication and assembly capabilities.

Full Load Tested
Every generator is 100% load tested in-house.

Rugged Design
Engineered and built tough with powder coat painted galvanealed steel.

Ford Industrial Engine
Premium-grade engines are application-engineered to provide optimal power when it is needed most.

Ford Power Products

TÜV SÜD

STAMFORD®

		LP			NG		
VOLTS	POWER FACTOR	WATTS	KVA	AMPS	WATTS	KVA	AMPS
120/240 1-PH	1.0	21,000	21.0	88	21,000	21.0	88
120/208 3-PH	0.8	22,000	27.5	76	22,000	27.5	76
120/240 3-PH	0.8	22,000	27.5	66	22,000	27.5	66
277/480 3PH	0.8	24,000	30.0	36	24,000	30.0	36
346/600 3-PH	0.8	24,000	30.0	29	24,000	30.0	29

MOTOR STARTING (CODE G)	7 HP
DBA @ 7 METERS FULL LOAD	73
TOTAL HARMONIC DISTORTION	< 5%
MAIN CIRCUIT BREAKER	
120/240 1-PH	90A, 240V
120/208 3-PH	80A, 240V
120/240 3-PH	80A, 240V
277/480 3-PH	35A, 600V
346/600 3-PH	35A, 600V
FLOATING NEUTRAL	YES

REQUIRED BATTERY(1)	GROUP 24 650 CCA
BATTERY CHARGER	5 AMP GUEST
ASSEMBLED IN	USA
EPA APPROVED	STANDBY ONLY
TÜV CERTIFICATION	
CSA	YES
UL2200	YES
UNIT WARRANTY(2)	2 YEAR/2,000 HOURS

ENGINE

ENGINE BRAND	FORD
ENGINE MODEL	MSG425
ENGINE STARTER	12V ELECTRIC
ENGINE SPEED	1800 RPM
ENGINE CYLINDERS	4
ENGINE HP	
NG	47
LP	49
FREQUENCY	60 HZ
TORQUE	
NG	137 FT/LBS
LP	140 FT/LBS
ALTERNATOR	95 AMPS
FLYWHEEL	10"
ROTATION	CCW
ASPIRATION	NATURAL

LUBRICATION	FUEL-PRESSURE
BORE/STROKE	89 mm x 100 mm
DISPLACEMENT/TYPE	2.5L
EXHAUST OUTLET	3"
LOW OIL PROTECTION	STANDARD
RECOMMENDED OIL[3]	5W-30 SAE
OIL CAPACITY	7 QT
GOVERNOR	ELECTRONIC
COMPRESSION RATIO	9.7:1
FAN TYPE	PUSHER
COOLANT CAPACITY	6.6 QT
HIGH COOLANT TEMP PROTECTION	STANDARD
COMBUSTION AIR	67.54 CFM
RADIATOR COOLING AIR	4420 CFM

FUEL

INLET PRESSURE	4-6 OZ/7-11" WATER COLUMN
FUEL INLET SIZE	3/4"
FUEL CONSUMPTION LP	
100%	2.9 GAL/HR - 263,900 BTU/HR
75%	2.4 GAL/HR - 218,400 BTU/HR
50%	1.9 GAL/HR - 172,900 BTU/HR
25%	1.4 GAL/HR - 127,400 BTU/HR

FUEL CONSUMPTION NG	
100%	261 FT^3/HR - 264,915 BTU/HR
75%	214 FT^3/HR - 217,210 BTU/HR
50%	166 FT^3/HR - 168,490 BTU/HR
25%	119 FT^3/HR - 120,785 BTU/HR

GENERATOR END

GENERATOR END BRAND	STAMFORD
GENERATOR END MODEL	VARIES
WINDING	
1-PHASE	706
3-PHASE	711
VOLTAGE REGULATION	AVR +/- 1%
AVR TYPE	AS540
TEMPERATURE RISE	125/40°C
TYPE	REVOLVING FIELD
BRUSHLESS	YES
SPEED	1800 RPM
ROTOR	2/3 PITCH

WINDINGS	100% COPPER
STATOR WINDING	
706	SINGLE LAYER CONCENTRIC
711	DOUBLE LAYER CONCENTRIC
COUPLING	DIRECT/FLEXIBLE DISC
BEARINGS	SINGLE (MAINTENANCE FREE)
EFFICIENCY PEAK	
1-PH 1.0 PF	79.6
3-PH 0.8 PF	87.7
INSULATION	CLASS H
INGRESS PROTECTION	IP23

BLOCK HEATER

VOLTS	120
WATTS	1,500
AMPS	12.5 AMPS

THERMOSTAT	
ON	100° F
OFF	120° F

DERATES

ABOVE SEA LEVEL EVERY 1,000 FT	4%

TEMPERATURE EVERY 10°F ABOVE 77°F	2%

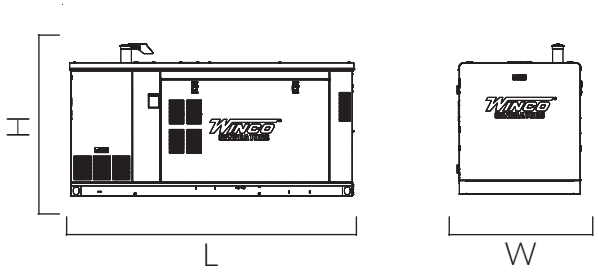
DSE 7310 MKII CONTROLLER

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

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

SHIPPING

SHIPPING DIMENSIONS (L x W x H)	86” x 40” x 51”
SHIP WEIGHT	1,570 LBS
FREIGHT CLASS	70



OPTIONAL ACCESSORIES

GENERATOR STRIP HEATER	VARIES
NFPA 110 LEVEL 1 UPGRADE	VARIES
AUTOMATIC TRANSFER SWITCH	ASCO 185 ASCO 300
VAPOR FUEL STRAINER	16243-000
BATTERY CHARGER UPGRADE	10 AMP

BATTERY HEATER	350179-5
LP LIQUID WITHDRAWAL	99367-000
DSE890 WEBNET	352014-4
MAINTENANCE KIT	16200-015

NOTES:
(1) Batteries not included.
(2) For more warranty information, see operator’s manual.
(3) The recommended oil is for normal applications.
See operator’s manual for more oil recommendations.

Specifications are subject to change without notice.

Sales: 507-357-6821
Service: 507-357-6831