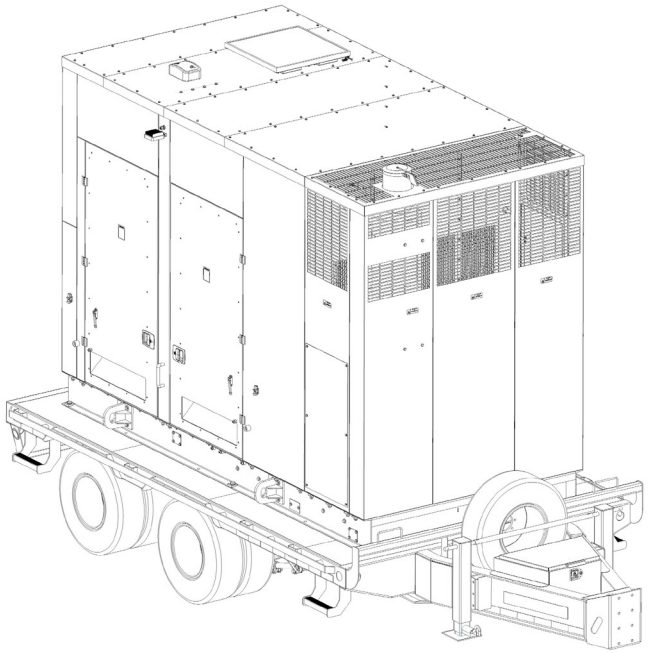
WINCO GENERATORS
AN AMERICAN COMPANY
www.WINCOGEN.com

GRP310P4



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

Flexible System
Available in configurations for stationary, mobile, standby, prime and well head applications.

Containment Skid
Ready to work with its rugged design.

Cam-Lock Receptacles
Quickly connect loads without hard wiring.

PSI POWER SOLUTIONS INTERNATIONAL

STAMFORD®

		PRIME						STANDBY					
		LP			NG			LP			NG		
VOLTS	PF	WATTS	KVA	AMPS	WATTS	KVA	AMPS	WATTS	KVA	AMPS	WATTS	KVA	AMPS
120/208 3-PH	0.8	175,000	218.8	607	264,000	330.0	916	210,000	262.5	729	310,000	387.5	1,076
120/240 3-PH	0.8	175,000	218.8	525	264,000	330.0	792	210,000	262.5	630	310,000	387.5	930
277/480 3-PH	0.8	175,000	218.8	263	264,000	330.0	396	210,000	262.5	315	310,000	387.5	466
346/600 3-PH	0.8	175,000	218.8	210	264,000	330.0	317	210,000	262.5	252	310,000	387.5	373

Derate 22% for 50Hz

MOTOR STARTING (CODE G)	150 HP
DBA @ 7 METERS FULL LOAD	78
TOTAL HARMONIC DISTORTION	< 5%
MAIN CIRCUIT BREAKER	
120/208 3-PH	1200A
120/240 3-PH	1000A
277/480 3-PH	500A
347/600 3-PH	400A
BONDED NEUTRAL	YES
125/250 VOLT FLANGE INLET	(1) L14-20 20A

REQUIRED BATTERIES(1)	(2) GROUP 8D
BATTERY CHARGER	5 AMP /24V 10A SOLAR (OPTIONAL)
FORKLIFT POCKETS	NO
ASSEMBLED IN	USA
EPA APPROVED	NO
CARB APPROVED	NO
TÜV CSA CERTIFICATION	NO
UNIT WARRANTY(2)	1 YR/2000 HR

ENGINE

ENGINE BRAND	PSI
ENGINE MODEL	14.6 L
ENGINE STARTER	24V ELECTRIC
ENGINE SPEED	1800 RPM
ENGINE CYLINDERS	8
ENGINE HP	
LP	322
NG	456
FREQUENCY	60 HZ
ALTERNATOR	45 AMPS
FLYWHEEL	14”
ROTATION	CCW
ASPIRATION/COOLING	TURBOCHARGED
COOLANT	22 GAL

BORE/STROKE	128mm x 142mm
DISPLACEMENT/TYPE	14.6 L
LOW OIL PROTECTION	STANDARD
RECOMMENDED OIL[3]	5W-40 SAE LOW ASH
OIL CAPACITY	8.19 GAL
GOVERNOR	ELECTRONIC
COMPRESSION RATIO	10.5:1
FAN TYPE	PUSHER
COMBUSTION AIR (NG)	527 CFM
RADIATOR COOLING AIR	30,000 CFM
EXHAUST FLOW	1,490 CFM
EXHAUST OUTLET SIZE	8”
STARTING TEMP W/BLOCK HEATER	10˚F

FUEL

INLET PRESSURE	6-8 OZ/11-15" WATER COLUMN
FUEL INLET SIZE	
LP LIQUID WITHDRAWAL INLET	1”
UTILITY NG/WELLHEAD INLET	2”

FUEL CONSUMPTION LP	PRIME
100%	25 GAL/HR - 2,387,500 BTU/HR
50%	14.4 GAL/HR - 1,375,200 BTU/HR
FUEL CONSUMPTION NG	PRIME
100%	3,086 FT^3/HR - 3,147,720 BTU/HR
50%	1,003 FT^3/HR - 1,809,480 BTU/HR

GENERATOR END

GENERATOR END BRAND	STAMFORD
GENERATOR END MODEL	S4L1D-D
WINDING	
208/240/480V	311 - 12 LEAD
600V	17 - 12 LEAD
VOLTAGE REGULATION	AVR +/- 1%
AVR TYPE	MX341 PMG
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	
208/240/480V	93.1
600V	93.2
INSULATION	CLASS H
INGRESS PROTECTION	IP23

DERATES

ABOVE SEA LEVEL	3% Per 1,000 > 1,200 FT

AMBIENT TEMPERATURE	
>77°F	1% EVERY 10°F

BLOCK HEATER

VOLTS	240
WATTS	3,000
AMPS	12.5 AMPS

THERMOSTAT	
ON	100° F
OFF	120° F

TRAILER (if equipped)

CAPACITY	20,000 LBS
AXLES	DUAL 10K
STANDARD HITCH SIZE	3” PINTLE
HITCH HEIGHT	ADJUSTABLE
TIRES	ST235/80 T16 LRE
TIRE PRESSURE	80 PSI

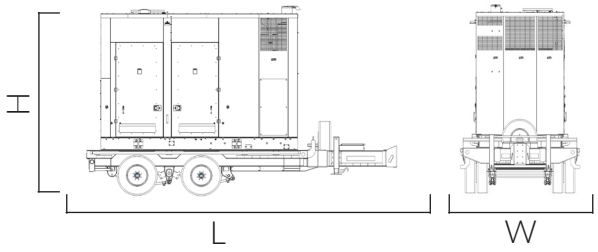
DSE7320 MKII CONTROLLER

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)	325” x 102” x 140”
SHIP WEIGHT	
HOUSED	10,200 LBS
TRAILERED	15,300 LBS
FREIGHT CLASS	
HOUSED	70
TRAILERED	85



OPTIONAL ACCESSORIES

CAMLOCKS	VARIES
BATTERIES	GROUP 8D
DSE8610	WITH PARALLELING CONTACTOR

NOTES:
(1) Batteries are 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.

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Specifications are subject to change without notice.

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