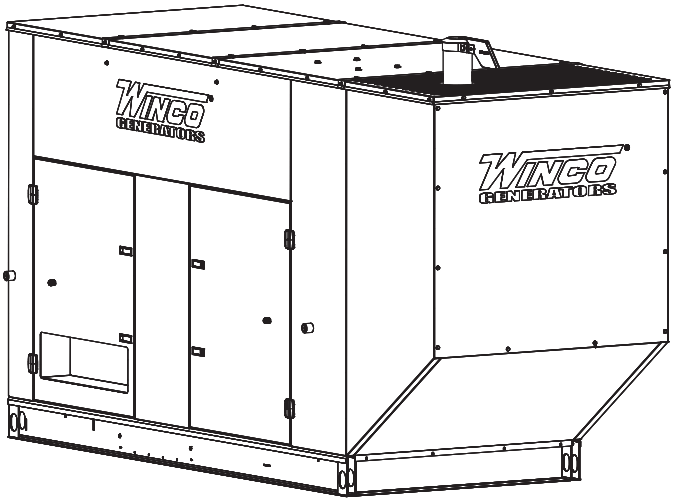
WINCO GENERATORS®
AN AMERICAN COMPANY
www.WINCOGEN.com

DR250F4



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.

FPT Industrial Engine
FPT Industrial is a leading manufacturer of engines for industrial applications backed by an extensive service network.

FPT TÜV SÜD STAMFORD®

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

MOTOR STARTING (CODE G)	154 HP
DBA @ 7 METERS FULL LOAD	78
TOTAL HARMONIC DISTORTION	< 5%
FLOATING NEUTRAL	YES
FORKLIFT POCKETS	NO
REQUIRED BATTERY(1)	GROUP 4D 1050 CCA
BATTERY CHARGER	5 AMP

ASSEMBLED IN	USA
EPA APPROVED	TIER III (STANDBY)
CARB APPROVED	TIER III (STANDBY)
TÜV CERTIFICATION	
CSA	YES
UL2200	YES
UNIT WARRANTY(2)	
STANDBY	2 YEAR/2,000 HOURS

ENGINE

ENGINE BRAND	FPT
ENGINE MODEL	C87TE 1PV
TIER	III
ENGINE STARTER	24V ELECTRIC
ENGINE SPEED	1800 RPM
ENGINE CYLINDERS	6
ENGINE HP	388
FREQUENCY	60 HZ
ALTERNATOR	90 AMPS 24V
FLYWHEEL	14"
ROTATION	CCW
ASPIRATION	TURBOCHARGED
LUBRICATION	- -
COOLANT	12.6 GAL
BORE/STROKE	117 mm x 135 mm

DISPLACEMENT/TYPE	8.7L
EXHAUST OUTLET	5"
LOW OIL PROTECTION	STANDARD
RECOMMENDED OIL[3]	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	829 CFM
RADIATOR COOLING AIR	13,772 CFM
EXHAUST FLOW	1,760 KG/HR
STARTING TEMP W/ BLOCK HEATER	 -13˚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	
560 GAL UL142	144" x 59" x 25"
845 GAL UL142	144" x 59" x 35"

GENERATOR END

GENERATOR END BRAND	STAMFORD
GENERATOR END MODEL	VARIES
WINDING	
240V 1-PH	06
208V/240V/480V	311
600V	17
VOLTAGE REGULATION	AVR +/- 1%
AVR TYPE	MX341
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

BLOCK HEATER

VOLTS	120
WATTS	2,250
AMPS	18.8 AMPS

THERMOSTAT	
ON	80° F
OFF	100° F

DERATES

ABOVE SEA LEVEL	
3280-9842 FT	2% EVERY 1,640 FT
>9842 ft	6% EVERY 1,640 FT

AMBIENT TEMPERATURE	
>104˚F	4% PER 10˚F

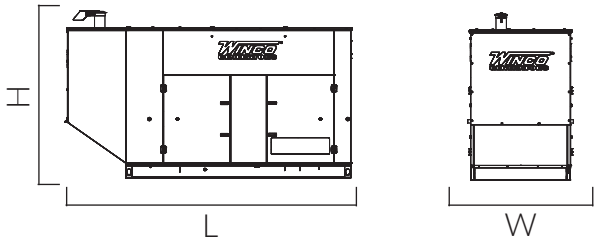
DSE 7310 MKII CONTROLLER

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)	
HOUSED	181" x 59" x 87"
SHIP WEIGHT	
OPEN	6,300 LBS
HOUSED	8,740 LBS
FREIGHT CLASS	70



OPTIONAL ACCESSORIES

BATTERY GROUP 4D 1050 CCA	80765-008
10A BATTERY CHARGER UPGRADE	72036-020
BATTERY HEATER	350279-5
NFPA 110 LEVEL 1 UPGRADE	352030-1
AUTOMATIC TRANSFER SWITCH	ASCO 300

DSE2510 REMOTE DISPLAY	358456-11
DSE2548 REMOTE ANNUNCIATOR	358456-1
DSE890 WEBNET	352014-4
MAINTENANCE KIT	16200-029

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