

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

120V in-line 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



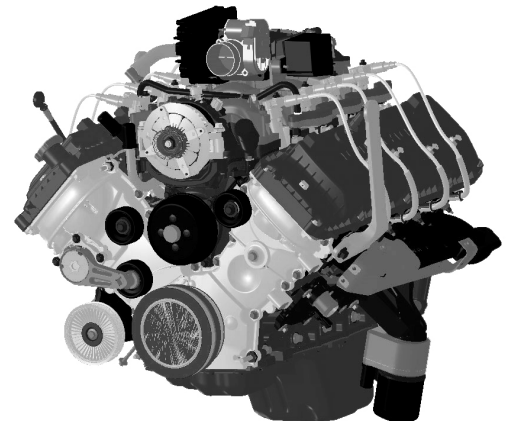
PSS65F4 60,000 WATTS

Rugged Design.

Durable enclosure with powder coat paint



Industrial Ford Engine.



Cummins Industrial Genend.



SPECIFICATIONS

ELECTRICAL

VOLTS	P.F.	STANDBY						PRIME						MAIN CB
		LP			NG			LP			NG			
		WATTS	KVA	AMPS	WATTS	KVA	AMPS	WATTS	KVA	AMPS	WATTS	KVA	AMPS	
120/240 1-PH	1.0	60,000	60	250	58,000	58.0	241	54,000	54.0	225	52,000	52.0	216	250
120/208 3-PH	0.8	65,000	81	225	58,000	72.4	201	58,000	72.4	201	52,000	65.0	180	225
120/240 3-PH	0.8	65,000	81	195	58,000	72.4	174	58,000	72.4	174	52,000	65.0	156	225
277/480 3-PH	0.8	65,000	81	97	58,000	72.4	87	58,000	72.4	87	52,000	65.0	78	100
346/600 3-PH	0.8	65,000	81	78	58,000	72.4	70	58,000	72.4	70	52,000	65.0	62.5	80

ENGINE

ENGINE BRAND	FORD
ENGINE MODEL	WSG 873
ENGINE STARTER	12V ELECTRIC
ENGINE SPEED	1800 RPM
ENGINE CYLINDERS	8
ENGINE HP	
NG	121
LP	132
FREQUENCY ⁽¹⁾	60 HZ
ALTERNATOR	210 AMP
FLYWHEEL	11.5"
ROTATION	CW
ASPIRATION	NATURAL
BORE/STROKE	107.2 mm x 101 mm
DISPLACEMENT	7.3L
LOW OIL PROTECTION	STANDARD
RECOMMENDED OIL ⁽²⁾	5W-30
OIL CAPACITY	8 QT
GOVERNOR	ELECTRONIC
COMPRESSION RATIO	10.5:1
FAN TYPE	PUSHER
COOLANT	6.3 GAL
RADIATOR COOLING AIR	5,560 CFM
EXHAUST FLOW	5601 CFM
EXHAUST OUTLET SIZE	4"
COMBUSTION AIR	197 CFM
STARTING TEMP W/BLOCK HEATER	--

NOTES: (1) Steady state frequency regulation. (2) The recommended oil is for normal applications. See operator's manual for the recommended oil for your needs.

PSS65

MOTOR STARTING (CODE G)	28 HP
DBA @ 7 METERS	72
TOTAL HARMONIC DISTORTION	< 5%
FLOATING NEUTRAL	YES
ASSEMBLED IN	USA
EPA APPROVED	YES
CARB APPROVED	YES
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	
SINGLE PHASE	4 LEAD
THREE PHASE	12 LEAD
WINDING NUMBER	SINGLE PHASE - 06 3-PH 208V, 240V, 480V - 311 3-PH 600V - 17
VOLTAGE REGULATION	AVR +/- 1%
AVR TYPE	AS440
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	
SINGLE PHASE	87.5
THREE PHASE	93.2
INSULATION	CLASS H
INGRESS PROTECTION	IP23

SPECIFICATIONS

DERATES

ABOVE SEA LEVEL > 2000 ft	2% EVERY 500 FEET
AMBIENT TEMPERATURE > 104°F	4% EVERY 10°F

NOTES: (1) Generator rating is based on 1,000 ft above sea level

BLOCK HEATER

VOLTS	120
WATTS	1,500
AMPS	12.5
THERMOSTAT ON	100° F
OFF	120° F

FUEL

INLET PRESSURE	4-6 OZ/7-11" WATER COLUMN
FUEL INLET SIZE	1.25"
FUEL CONSUMPTION NG	
100%	831 FT ³ /HR - 831,000 BTU/HR
75%	624 FT ³ /HR - 624,000 BTU/HR
50%	416 FT ³ /HR - 416,000 BTU/HR
25%	207 FT ³ /HR - 207,000 BTU/HR
FUEL CONSUMPTION LP	
100%	11.1 GAL/HR - 1,015,117 BTU/HR
75%	8.3 GAL/HR - 759,052 BTU/HR
50%	5.5 GAL/HR - 502,986 BTU/HR
25%	2.9 GAL/HR - 265,211 BTU/HR

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

Specifications are subject to change without notice.

BATTERY

DC SYSTEM	12V
BATTERY RACK/CABLE	INCLUDED
BATTERY CHARGER	5 AMP
REQUIRED BATTERY ⁽¹⁾	GROUP 24 650 CCA

NOTES: (1) Battery is not included.

SHIPPING

SHIP DIMENSIONS (L x W x H)	115.5" x 48" x 65"
SHIP WEIGHT	2625 LBS
FREIGHT CLASS	70

NOTES: Shipping dimensions are for an enclosed unit.

OPTIONAL ACCESSORIES

GENERATOR STRIP HEATER
AUTOMATIC TRANSFER SWITCH
PERMANENT MAGNET GENERATOR
VAPOR FUEL STRAINER
BATTERY CHARGER UPGRADE
BATTERY HEATER
NFPA 110 LEVEL 1
DSE 890 WEBNET
LP LIQUID WITHDRAWAL

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	FIELD ENABLED
MAINTENANCE INTERVAL TIMER	FIELD ENABLED
LOAD SHEDDING/DUMMY	FIELD ENABLED
CONFIGURABLE INPUTS	4 (EXPANDABLE)
CONFIGURABLE OUTPUTS	4 (EXPANDABLE)
EVENT LOG	250

