

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



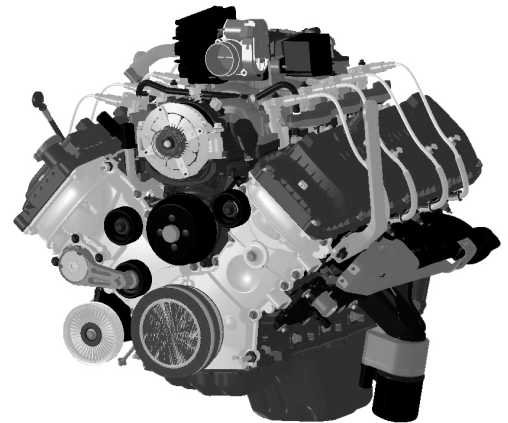
PSS60F4 60,000 WATTS

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 | 60.0 | 250 | 60,000 | 60.0 | 250 | 54,000 | 54.0 | 225 | 54,000 | 54.0 | 225 | 250 |
| 120/208 3-PH | 0.8 | 62,000 | 77.5 | 215 | 62,000 | 77.5 | 215 | 56,420 | 70.5 | 196 | 56,420 | 70.5 | 196 | 225 |
| 120/240 3-PH | 0.8 | 62,000 | 77.5 | 186 | 62,000 | 77.5 | 186 | 56,420 | 70.5 | 169 | 56,420 | 70.5 | 169 | 225 |
| 277/480 3-PH | 0.8 | 62,000 | 77.5 | 93 | 62,000 | 77.5 | 93 | 56,420 | 70.5 | 84 | 56,420 | 70.5 | 84 | 100 |
| 346/600 3-PH | 0.8 | 62,000 | 77.5 | 75 | 62,000 | 77.5 | 75 | 56,420 | 70.5 | 67 | 56,420 | 70.5 | 67 | 80 |

ENGINE

| | |
|--------------------------------|----------------|
| ENGINE BRAND | FORD |
| ENGINE MODEL | RSG 862 |
| ENGINE STARTER | 12V ELECTRIC |
| ENGINE SPEED | 1800 RPM |
| ENGINE CYLINDERS | 8 |
| ENGINE HP | |
| NG | 108 |
| LP | 119 |
| FREQUENCY ⁽¹⁾ | 60 HZ |
| ALTERNATOR | 157 AMP |
| FLYWHEEL | 11.5" |
| ROTATION | CW |
| ASPIRATION | NATURAL |
| BORE/STROKE | 102 mm x 95 mm |
| DISPLACEMENT | 6.2L |
| LOW OIL PROTECTION | STANDARD |
| RECOMMENDED OIL ⁽²⁾ | 5W-30 |
| OIL CAPACITY | 7 QT |
| GOVERNOR | ELECTRONIC |
| COMPRESSION RATIO | 9.8:1 |
| FAN TYPE | PUSHER |
| COOLANT | 6.3 GAL |
| RADIATOR COOLING AIR | 5,560 CFM |
| EXHAUST FLOW | 510 CFM |
| EXHAUST OUTLET SIZE | 4" |
| COMBUSTION AIR | 168 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.

PSS60

| | |
|------------------------------|-----------------|
| 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 (PRIME) | 06 |
| SINGLE & THREE PHASE | 311 |
| VOLTAGE REGULATION | AVR +/- 1% |
| AVR TYPE | SX440 |
| 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 | 84.2 |
| THREE PHASE | 90.4 |
| 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 | 1,800 |
| AMPS | 15 |
| 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% | 760 FT ³ /HR - 797,416 BTU/HR |
| 75% | 617 FT ³ /HR - 647,900 BTU/HR |
| 50% | 475 FT ³ /HR - 498,385 BTU/HR |
| 25% | 332 FT ³ /HR - 348,870 BTU/HR |
| FUEL CONSUMPTION LP | |
| 100% | 8.2 GAL/HR - 750,685 BTU/HR |
| 75% | 6.7 GAL/HR - 564,220 BTU/HR |
| 50% | 5.1 GAL/HR - 466,889 BTU/HR |
| 25% | 3.6 GAL/HR - 329,569 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 | 2390 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 |
| 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 |

