

One (1) CATERPILLAR POWER GENERATOR SET, MODEL G3508 - 600 KVA (Continuous Power Application), 400 Volts, 3 Phase, 4 Wires, 50 Hertz at 1500 RPM, with the following standard accessories included:

AIR INLET SYSTEM Air cleaner; intermediate duty with service indicator

CONTROL SYSTEM 508GE13 Governor; Woodward 2301A Speed Control, EG3P Actuator (2301A installed in EMCP II + panel)

COOLING SYSTEM 508GE13 Combined jacket water and oil cooler circuit. Water pump; gear driven, centrifugal, Non-self-priming Thermostats and housing; full open temperature 98 C (208 F) Separate aftercooler circuit. Single stage aftercooler. Water pump; gear driven, centrifugal, Non-self-priming Thermostats & housing; full open temperature 35 C (95 F)

EXHAUST SYSTEM Exhaust manifolds Dry (508GE14) **FLYWHEELS & FLYWHEEL HOUSINGS** SAE standard rotation

FUEL SYSTEM Gas pressure regulator Requires 10.3-34.5 kPa (1.5-5 psi) gas. Deltec natural gas carburetor (31 - 35 MJ/Nm³ venturi standard) RH side inlet connection Fuel filter is required but not provided as standard: customer may provide or see Optional Fuel Filters. Fuel system is sized for 31.5 to 47.2 MJ/Nm³ (800 to 1200 btu/scf).

GENERATORS AND GENERATOR ATTACHMENTS Brushless PM excited SR4B generator with space heaters Form wound with coastal insulation protection Includes platinum stator RTDs and Caterpillar's Digital Voltage Regulator (CDVR), which includes KVAR/PF control.

IGNITION SYSTEM Caterpillar Electronic ignition system (E.I.S.) (includes detonation sensitive timing)

INSTRUMENTATION Control panel (EMCP II +); rear facing, mounted on generator terminal box. Includes: Standard generator controls and monitoring: Digital ammeter, voltmeter and frequency meter Ammeter/voltmeter phase selector switch Voltage adjust rheostat Standard engine controls and monitoring: (Requires customer supplied solenoid fuel shutoff valve) Automatic/manual start stop control Engine control switch for off/reset, auto start, manual start, stop Cycle cranking Cool down timer Emergency stop pushbutton Safety shutdown protection and LED indicators for: Low oil pressure, low idle 69 kPa (10 psi): high idle 207 kPa (30 psi) High coolant temperature 99 C (210 F) Overcrank Overspeed Emergency stop Spare alarm Spare shutdown Digital display for: Coolant pressure Oil pressure Service hours Engine RPM System DC volts System diagnostic codes Instrument panel Oil pressure differential Inlet manifold temperature Inlet manifold pressure Exhaust pyrometer and thermocouples (individual exhaust ports)

LUBE SYSTEM Crankcase breather; top mounted Oil cooler Oil filter; RH Shallow oil pan

MOUNTING SYSTEM Rails; engine-generator mounting, 330 mm (13 in), industrial type **POWER TAKE-OFFS** Front housing; two-sided

PROTECTION SYSTEM Detonation shutdown Additional safety shutdown protection
(see Instrumentation)

STARTING SYSTEM Single 24 volt electric starting motor for above 20 C (68 F) (Jacket water heater recommended for 10 sec. starting.)

GENERAL Paint; Caterpillar Yellow Crankshaft vibration damper and guard Lifting eyes

ADDITIONAL EQUIPMENT INCLUDED:

*Battery Charger 5A

*Lead Acid Batteries

*3 Poles 1200A Circuit Breaker

*Industrial Muffler 10dB

*Water Jacket Heater