

Model RS1250-50 Power Generation Module



ISO Transportable Power Generation Module Model RS1250DD-50

Designed for today's demanding operations, the RS1500 Power Generation Module defines reliability.

Four-cycle engines provide efficient and environmentally friendly power. Coupled with the ultra-reliable Marathon Magnamax generator, the RS1250DD-50 promises years of trouble-free operation. Heavy-duty sound attenuated ISO containers and simple control layouts ensure quiet and simple operation.

Safety, reliability, and maintainability are key ingredients of our design. Decades of experience with both commercial and military diesel powered products ensure practical and efficient products. Standard features such as large access doors, remote lube oil drains, and maintenance-free batteries ensure ease of service.

These exceptional features, combined with our famous worldwide parts and support, make the RS1250DD-50 Power Generation Module the best choice for your rental operations.

Standard Features:

- Rated Output 1250 kW Standby, 1160 kW Prime Power
- Isochronous, parallel load sharing or parallel baseload operation
- ISO standard 40-foot "high-cube" container
- CSC-plated for three-high shipping standards
- Sound-attenuating acoustic insulation with perforated metal sheathing
- High ambient, heavy-duty cooling system with modulating capacity control system
- Critical-grade exhaust silencer
- Engine oil level regulator with make-up reservoir
- Duplex fuel filtration with water separator
- Large-capacity, on-board fuel system (UL listed)
- Remote connections for day tanks
- Low fuel level alarm
- Environmental containment pan
- Lockable access doors
- Easy access maintenance areas with full-height double doors
- Waste oil sump pump, 24VDC
- Fuel cooler
- Dry type air filters with replaceable paper elements and restriction indicators
- Mechanical gauges for oil pressure and coolant temperature
- Engine-mounted battery charging alternator and 24VDC, 10 amp static battery charger
- Sealed, maintenance-free 8D batteries with battery disconnect switch
- Oversized power connection with lockable hinged cover and easily accessible customer interfaces
- Interior service lighting and 120VAC convenience receptacles

Stewart & Stevenson Distributive Energy Solutions

10750 Telge Road
Houston, Texas 77095
Toll Free: (800) 527-3246
Tel: (281) 345-5100
Fax: (281) 345-1188
www.ssss.com



Specifications

Model RS1250 Power Generation Module

Complete Unit

Manufacturer Stewart & Stevenson
Houston, Texas

Engine

Manufacturer Deutz DDC
Type Diesel, 4-cycle Diesel, 4-Cycle
Model TBD620 Series 4000
Number of Cylinders V-12 V-12
Bore 6.7 inches (170 mm) 6.5 inches (165 mm)
Stroke 7.7 inches (195 mm) 7.5 inches (190 mm)
Displacement 53.1 liters 48.75 liters
Speed (Rated) 1500 rpm 1500 rpm
Governor Woodward ProAct II DDEC
Starting Motor 24 VDC 24 VDC
Alternator 24 VDC, 55A, belt-driven 24 VDC, 55A, belt-driven

Generator

Manufacturer Marathon
Voltage 400 VAC
Type Brushless, single bearing
Model Magnamax 743RSL4050
Insulation NEMA Class H
Temperature Rise (standby) 130°C
Temperature Rise (prime) 105°C
Exciter PMG
Voltage Regulator Digital DVR2000C

Engine Controls

Digital Engine/Generator Controller Basler DGC2000
Protection for Low Oil Pressure
High Coolant Temperature
Engine Overspeed
Large Backlit LCD Display English or Metric Values
UL Recognized CSA Certified

Generator Controls

Automatic Synchronizing module Woodward SPM-A
Load Sharing module Woodward LSM
Load Control module Woodward AGLC
Generator Circuit Breaker General Electric Power Break II
Generator Protective Relay Basler BE3-GPR
Three-phase RMS sensing Microprocessor-based
Wide trip range and reset adjustments UL and CSA Certified

Weights and Dimensions

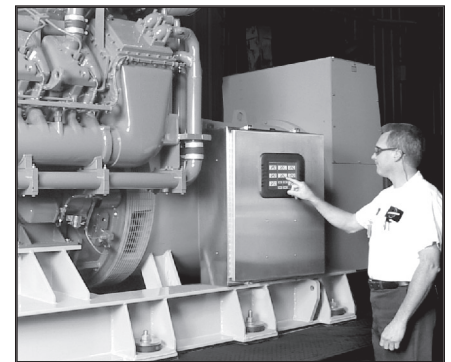
Length 40 feet / 12.2 meters
Width 8 feet / 2.5 meters
Height 9.5 feet / 2.9 meters
Weight 47,500 lb / 21546 kg (dry); 50,500 lb / 22907 kg (transport)
Fuel Tank Capacity 1250 gallons / 4725 liters

Instrumentation

AC Voltmeter (3-phase)
AC Ammeter (3-phase)
AC Frequency Meter
Synchronization Scope and
Lights
Engine Speed
Engine Oil Pressure
Engine Coolant Temperature
Main Breaker Status Lights

Remote Capabilities

Remote Start/Stop input
Remote Breaker Trip input
Remote Emergency Stop input
Remote Status Outputs
(7 functions)
Communications Port



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Specifications are subject to change without notice or obligation for continuous improvement.

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