Data sheet

Type DGS125-I

DIESEL GENERATOR 125 kVA, INDUSTRIAL

IDEAL USAGE

Projects that require efficient and reliable temporary power, including industrial locations.

APPLICATIONS

- Powering locations where permanent electricity supply is not available - such as temporary accommodation, construction or other remote sites
- Replacing utility power supply to industrial equipment - motors, pumps, conveyors and other equipment
- Additional power for seasonal increases in demand such as manufacturing, distribution and storage

ELECTRICAL

Frequency			Prime		Standby		
Frequency (Hz)	Phases	Voltage(V)	kVA	kW	kVA	kW	Rated Speed
50	3	400/230V	125	100	140	112	1500
60	3	480/277V	125	100	140	112	1800

POWER FACTOR

3 Phase	0.8
1 Phase	1

RATINGS

Prime: This rating is for the supply of continuous electrical power, at variable load, in lieu of commercially purchased power. There is no limitation on the hours of operation and 10% overload power can be supplied for 1 hour in 12.

Standby: Standby Power (ESP) is the maximum output available, for up to 500 hours per year, where the load does not exceed 70% of the standby power.

Stage IIIA Transition & Stage V models are only emission compliant at 50 Hz Prime Power.

CANOPY

Lockable Maintenance Access Doors
Door Stays
Forklift Protection Bumpers
Control Panel Viewing Window
Integral Fork Pockets
Single Lift Point
Bunding
4 Point Tie Down
High Density Fire Retardant Foam
White Paint (RAL 9010)
Galvanised Steel Canopy

ALTERNATOR ECP34 - IL4 A

Poles	4
Winding Connections	Star
Insulation	Class H
Encloser	IP23
Exciter System	Self Regulating brushless
Voltage Regulator	AVR
Steady State Votlage Regulator	+/- 1%
Bearing	Single bearing sealed
Coupling	Fllexible doc
Cooling	Direct drive centrifugal fan

ENGINE

	1500 RPM	1800 RPM
New Output Rating (PRP)	113 kW	113 kW
Net Output Rating (Standby)	121 kW	121 kW

Manufacturer and Model	JCB 448 G - TCA 120
Fuel	Diesel
Injection	Direct
Aspiration	Turbo Charged
Cylinders	4
Bore and Stroke	103 x 135 mm
Displacement	4.77 L
Cooling	Water
Compression Ration	18 : 1
Engine Oil Specification	API CH4 SAE 10W40
Engine Oil Capacity	15:00 L
Coolant Capacity	16.00 L
Governor	Electronic
Air Filter	Paper Element
Engine Oil Consumption	100% 0.1% of fuel consumed Load
Exhaust Emission After Treatment	None
Emission Standard	Stage IIIA Transition

United Rentals®

UnitedRentals.com

ELECTRICAL FEATURES

MAUX Excitation
4 Pole Moulded Case Circuit Breaker
Earth Leakage Protection
Preparation for Earth Spike
External Emergency Stop Button
Bund Alarm / Shutdown
50 Hz / 60 Hz Switch
Socket Panel (1x63A-3ph 3x32A - 1ph 1x32A - 3ph IP44 (1 x 125A - 3ph) IP67

MECHANICAL FEATURES

Cooling Pack
Air Filter
Electronic Governor
Low Oil Pressure Switch
Coolant Temperature Sender
Oil Temperature Sender
Water Jacket Heater
Fuel Level Sender
Spark Arrestor
3 Way Fuel Valve
Air Shut Off Valve
Residual Silencer
Racor Water/Fuel Separator

WEIGHT AND DIMENSIONS

Length	3334 mm
Width	1200 mm
Height	1912 mm
Shipping Volume (sea ready)	7.70 m^3
Weight*	2150 Kg

*Standard build with all fluids except fiel

TYPICAL SOUND PRESSURE

dBa @ 7	50 Hz	68 dBa

STARTING SYSTEM

Battery Capacity	120 Ah
Number of Batteries	1
Auxillery Voltage	12 V

FUEL SYSTEM

Diesel Specification	EN590
Standard Capacity Fuel Tank	280 L

AIR SYSTEM

Intake Air Flow 100% Standby	50 Hz	550 m^3/h
Radiator Cooling Airflow		3.3 m^3/h

BATTERY FEATURES

Battery Isolator	
Battery Type	Sealed Lead Acid
Battery Charger	

EXHAUST SYSTEM

Maximum temperature	50 Hz	574 °C
Exhaust Gas Flow 100% Standby		22.70 m^3/min
Maximum Allowed Back Pressure		10.00 kPa
Exhaust Discharge Size		100 mm

COMMUNICATION AND CONTROL

DSE 8610 Synchronising controller
LiveLink for Power
Analogue Hour Meter

FUEL CONSUMPTION

100% Load Prime	50 Hz	30.90 L/h
75% Load Prime		23.50 L/h
50% Load Prime		15.40 L/h
100% Load Standby		31.80 L/h
100% Load Prime	60 Hz	30.00 L/h
75% Load Prime		22.30 L/h
50% Load Prime		14.50 L/h
100% Load Standby		31.80 L/h

CE PACK

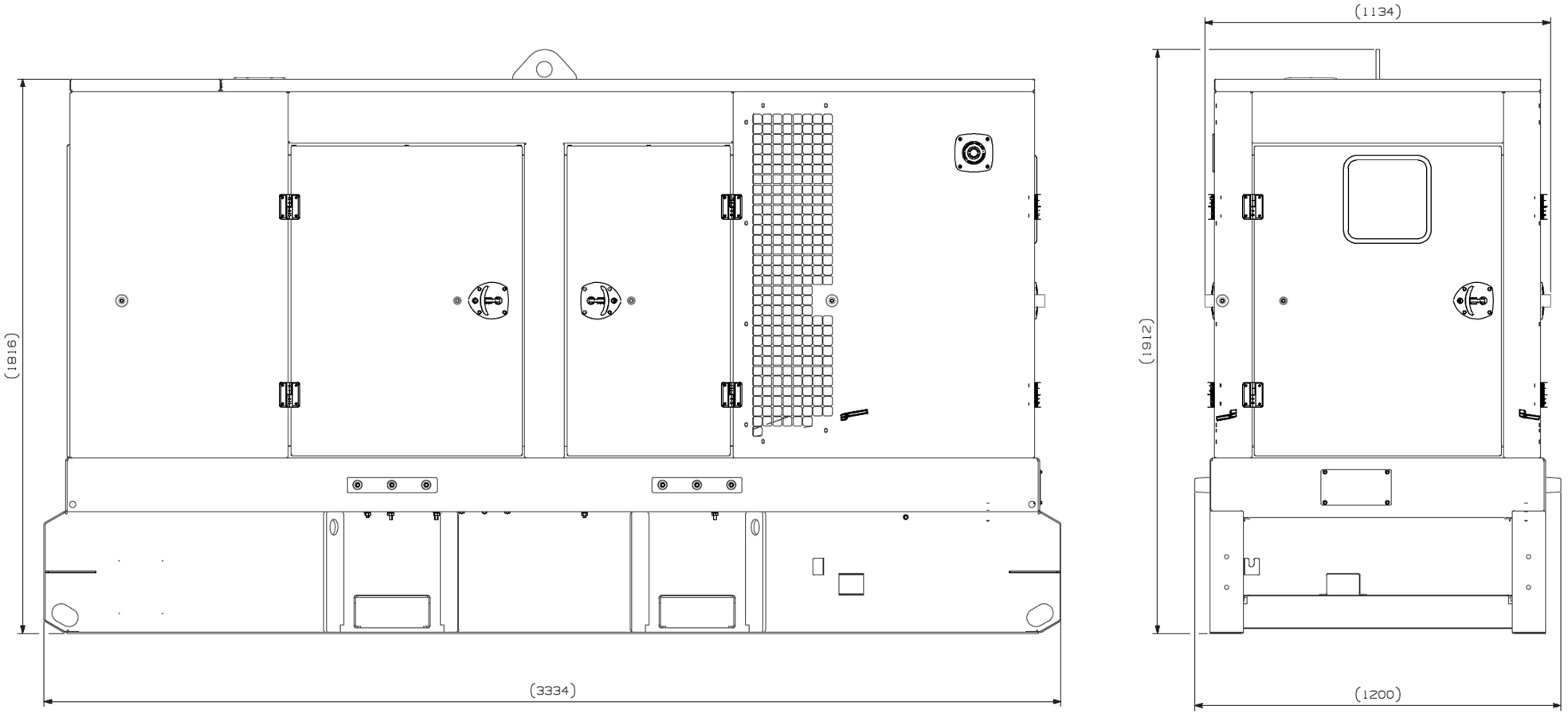
EMC Certification
Hot Guards
Belt Guards
Sound Power Decal
EU Declaration for Engine Emissions
Complete Machine Declaration of Conformity

REFERENCE STANDARDS

JCB Generators are CE certified and conform to the following directives (subject to a country requiring such standards)

- EN 12100, EN13857, EN60204
- 2006/42/ce Machine Safety
- 2006/95/EC Low Voltage
- 2004/108/CE Electromagnetic compatibility
- 2000/14/EC Sound Power Level (amended by 2005/88/EC)
- 97/68/EC Emissions (amended by 2002/88/EC & 2004/26/EC
- Power according to ISO 8528 and ISO 3046
- Ambient reference conditions 100 mbar, 25, 30% relative humidity

Information based on standard specification equipment unless otherwise stated*


(1816)
(3334)
(1134)
(1912)
(1200)