

Generator
1250 Container Dual Certified T4F/Stage V

Document No: G08000787
Revision: B
Created By: 5.1.2.e
Approved By: 5.1.2.e
Approval Date: 08/01/2020
Page: 1 of 4

Model

Model reference	GN1000GHPEM4
Model size and rating	1000kW
Bill of Material reference number	602166 A

Electrical Output

Electrical Output	Hz (Hz)	50.0	(50)	60.0	(6.0)
-------------------	---------	------	------	------	-------

Performance Data

Maximum Ambient	°C (°F)	45.0	(113)	45.0	(113)
-----------------	---------	------	-------	------	-------

Electrical (ISO 8528-1) *

Continuous Power (COP)	kW (kVA)	832.0	(1040)	883.0	(1103.75)
(Restricted) Prime Power (PRP)	kW (kVA)	889.0	(1111.25)	1080.0	(1350)
Permissible Average of PRP		70		70	

Electrical (ISO 3046-1) **

Fuel Stop Power/Standby	kW (kVA)	889.0	(1111.25)	1081.0	(1351.25)
-------------------------	----------	-------	-----------	--------	-----------

Circuit Breaker

Make & Type		2 x Schneider/Merlin Gerin Powerpact P-Frame 1200A MCCB		2 x Schneider/Merlin Gerin Powerpact P-Frame 1200A MCCB	
Rating	Amp (Amp)	1200.0	(1200)	1200.0	(1200.0)
Trip Unit Type		Micrologic 6.0H		Micrologic 6.0H	
Overload Protection Range		500-1200		500-1200	
Short Circuit Protection Range		1875-12500		1875-12500	

Load Terminals

Type	Busbar M12	Busbar M12
------	------------	------------

Engine

Make & Type	2 x Volvo TWD1683GE	2 x Volvo TWD1683GE
-------------	---------------------	---------------------

This document Contains PROPRIETARY and CONFIDENTIAL information and may NOT be copied or reproduced in any media without written permission from Aggreko.
Technical Information contained herein is subject to change without notice. Some data may vary on machines.

ISO references apply to Aggreko Manufacturing built equipment only

* ISO 8528-1 Reciprocating Internal Combustion Engine Driven Alternating Current Generating Sets:

Part 1 - Application, Ratings and Performance

** ISO 3046-1 Reciprocating Internal Combustion Engines: Performance:

Generator
1250 Container Dual Certified T4F/Stage V

Document No: G08000787
Revision: B
Created By: 5.1.2.e
Approved By: 5.1.2.e
Approval Date: 08/01/2020
Page: 2 of 4

Cylinders & Form	6 Cylinders In Line		6 Cylinders In Line	
Aspiration	Turbo Charged		Turbo Charged	
Fuel Pump	Volvo		Volvo	
Governor Make & Type	Volvo EMS 2.3		Volvo EMS 2.3	
Steady State Frequency	±0.5		±0.5	
Battery Voltage	Volts (Volts)	24.0 (24)	24.0 (24)	
Fuel Type	-		-	
Diesel (EU)	EN590:2013		EN590:2013	
Diesel (NAM)	ASTM D975 (1D and 2D)		ASTM D975 (1D and 2D)	
GTL / HVO	EN15940:2016***		EN15940:2016***	
MK 1	SS-155435:201		SS-155435:201	

Fuel Consumption

Standby/Fuel Stop	L/hr (US gal/hr)	248.0 (65.472)	303.0 (79.992)
Continuous Power (COP)	L/hr (US gal/hr)	205.0 (54.12)	223.0 (58.872)
100% Prime Power	L/hr (US gal/hr)	223.0 (58.872)	274.0 (72.336)
75% Prime Power	L/hr (US gal/hr)	167.0 (44.088)	206.0 (54.384)
50% Prime Power	L/hr (US gal/hr)	115.0 (30.36)	144.0 (38.016)

Diesel Emission Fluid Consumption (As a percentage of Fuel Consumption)

Standby/Fuel Stop	% (%)	6.4 (6.4)	5.9 (5.9)
Continuous Power (COP)	% (%)	7.0 (7)	6.8 (6.8)
100% Prime Power	% (%)	6.6 (6.6)	6.2 (6.2)
75% Prime Power	% (%)	7.0 (7)	6.8 (6.8)
50% Prime Power	% (%)	7.2 (7.2)	6.3 (6.3)

Running Hours (Based on Active Fuel Capacity of 2114L/558.6 US gal)

Continuous Power (COP)	Hours (Hours)	10.3 (10.3)	9.5 (9.5)
100% Prime Power	Hours (Hours)	9.5 (9.5)	7.7 (7.7)

This document Contains PROPRIETARY and CONFIDENTIAL information and may NOT be copied or reproduced in any media without written permission from Aggreko.
Technical Information contained herein is subject to change without notice. Some data may vary on machines.

ISO references apply to Aggreko Manufacturing built equipment only

* ISO 8528-1 Reciprocating Internal Combustion Engine Driven Alternating Current Generating Sets:

Part 1 - Application, Ratings and Performance

** ISO 3046-1 Reciprocating Internal Combustion Engines: Performance:

Generator
1250 Container Dual Certified T4F/Stage V

Document No: G08000787
Revision: B
Created By: 5.1.2.e
Approved By: 5.1.2.e
Approval Date: 08/01/2020
Page: 3 of 4

75% Prime Power	Hours (Hours)	12.7	(12.7)	10.3	(10.3)
50% Prime Power	Hours (Hours)	18.4	(18.4)	14.7	(14.7)

Exhaust Emissions per Engine

Measurement Method	40 CFR part 1039	40 CFR part 1039
Specific Load	647kW	685kW
NOx - Oxides of Nitrogen	0.17g/kWh	0.4g/kWh
PM - Particulate Matter	0.012g/kWh	0.0137g/kWh
CO - Carbon Monoxide	0.043g/kWh	0.066g/kWh
HC - Unburnt Hydrocarbons	0.007g/kWh	0.013g/kWh

Exhaust Silencer

Make & Type	2 x Volvo SCR Muffler	2 x Volvo SCR Muffler
Certificate Number	R03001771-1	R03001771-1
Permissible Back Pressure	2.9psi	2.9psi
Silencer Inlet Diameter	mm (ins) 219.0 (8.622)	219.0 (8.622)
Silencer Outlet Diameter	mm (ins) 219.0 (8.622)	219.0 (8.622)

Certification

Emissions Certificate EU Stage V	R03001771-1	R03001771-1
Emissions Certificate US EPA	R03001772-1	R03001772-1
Emissions Certificate US CARB	R03001773-1	R03001773-1

Noise Data

Sound Power - EEC	104dBA	104dBA
Certificate Number	TBA	TBA
Sound Pressure at 1m/3ft (Ref F03000283)	88	88
Sound Pressure at 7m/21ft (Ref F03000283)	79	79

Other Capacities and Dimensions

Lube Oil Capacity - Total	L (US gal)	180.0 (47.52)	180.0 (47.52)
---------------------------	------------	---------------	---------------

This document Contains PROPRIETARY and CONFIDENTIAL information and may NOT be copied or reproduced in any media without written permission from Aggreko.
Technical Information contained herein is subject to change without notice. Some data may vary on machines.

ISO references apply to Aggreko Manufacturing built equipment only

* ISO 8528-1 Reciprocating Internal Combustion Engine Driven Alternating Current Generating Sets:

Part 1 - Application, Ratings and Performance

** ISO 3046-1 Reciprocating Internal Combustion Engines: Performance:

Generator
1250 Container Dual Certified T4F/Stage V

Document No: G08000787
Revision: B
Created By: 5.1.2.e
Approved By: 5.1.2.e
Approval Date: 08/01/2020
Page: 4 of 4

Lube Oil Capacity - Pan	L (US gal)	84.0	(22.176)	84.0	(22.176)
Coolant Capacity - Gross	L (US gal)	571.5	(150.876)	571.5	(150.876)
Coolant Capacity (JW)	L (US gal)	339.0	(89.496)	339.0	(89.496)
Coolant Capacity (LTA)	L (US gal)	232.5	(61.38)	232.5	(61.38)
External Fuel Supply - Max Above Base	m (ft)	3.5	(11.484)	3.5	(11.484)
External Fuel Supply - Max Below Base	m (ft)	2.0	(6.562)	2.0	(6.562)
Diesel Emission Fluid Capacity	L (US gal)	330.0	(87.12)	330.0	(87.12)

Additional Information

***See Volvo Penta Operators
Manual

***See Volvo Penta Operators
Manual

Physical Characteristics

Length	6.06 m	19.88 ft
Width	2.44 m	8.01 ft
Height	2.89 m	9.48 ft
Gross Weight	19745 kg	43530.27 lbs
Net Weight	16850 kg	37147.89 lbs
Gross Fuel	2202 lit	581.71 US gal
Net Fuel	2114 lit	558.46 US gal