

BIOGAS GENERATOR SET

PPU900BG

Applicable Conditions

Installation Place	Indoor
Ambient Temperature	0°C ~ 35°C
Ambient Humidity	<60%
Altitude	100m

System Ratings (kWe/kVA)

Load:	[%]	100	75	50
Electrical power COP acc. ISO 8528-1:	[kW]	901	675	448
Fuel consumption:	[kW+5%]	2132	1643	1153
Thermal efficiency:	[%]	25.9	25.5	25.1
Electrical :	[%]	42.3	41.1	38.9
Total efficiency:	[%]	68.1	66.6	64.0

Applicable Standard

Low voltage Directive 2006/95/EG
 EMV Directive 2004/108/EG
 Lloyds CSC Certified
 Corners of container (ISO1161)
 Protective coating (CSN EN12944)
 Safety instruction according to international standard (ISO3864 / ANSI Z535)
 Conformance Européenne (2006/42/EC,2014/35/EU · 97/23/EC)

Engine

Number of cylinders / configuration	12V
Engine speed	1500 r/min
Bore	145 mm
Stroke	185 mm
Displacement	36.66 L
Lube oil Capacity	TBA
Exhaust gas emissions	
NOx, stated as NO2 (dry, 5% O2)	< 500 mg/m ³ i.N
CO (dry, 5 % O2)	< 1000 mg/m ³ i.N

Alternator

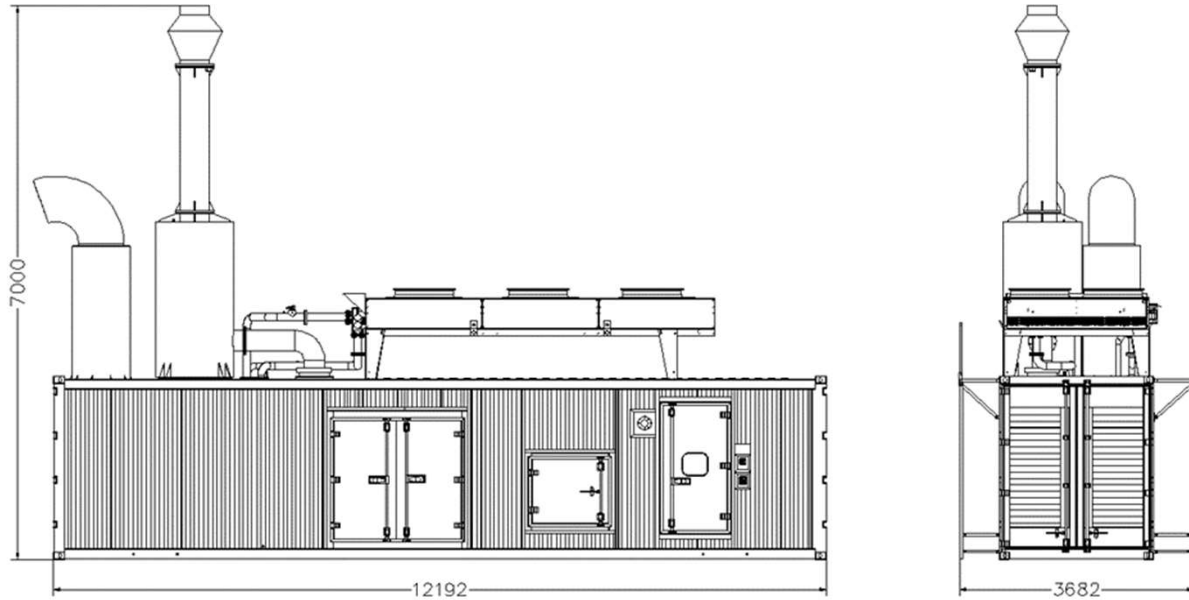
Construction	Self-regulating, brushless rotating-field type
Control System	AVR with PMI Excited
Insulation	Class H
Protection	IP23
Rated Power Factor	0.8
Efficiency (Cont. 100%)	0.954
No of Pole and Phase	4 Poles 3 Phase 4 Wire

Acoustic

Sound pressure level	95dB(A)
Tolerance	+2dB(A)
Distance from genset	1m
Reference height above ground	1.5m

Specification

Generator Set layout, Dimensions and Weight



Genset Model	Dry Weight (kg)	Dimensions (LxWxH) mm
PPU900BG	Approximately 23,500	12192 x 3682 x 7000

Please contact your local VPower dealer for further information. Please note that products illustrated may differ from production models. Not all models and accessories are available in all markets, and standard equipment may vary between different markets. Every effort has been made to ensure that facts and figures are correct at the time of publication. However, VPower reserves the right to make changes without prior notice at any time.

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WWW.VPOWER.COM



VPOWER GROUP
INTERNATIONAL HOLDINGS LIMITED
UNITS 2701-05, OFFICE TOWER 1,
THE HARBOURFRONT
18-22 TAK FUNG STREET, HUNG HOM
HONG KONG
Tel : +852 2687 6517 Fax : +852 2687 6854
info@vpower.com

Middle East
VPower Middle East FZCO

Indonesia
PT VPower Operation
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VPower Group Holdings
(Yangon) Ltd

Peru
VPTM Iquitos S.A.C
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