

BIOGAS GENERATOR SET

PPU1000BG

Applicable Conditions

Installation Place	Indoor
Ambient Temperature	0°C ~ 25°C
Ambient Humidity	<60%
Altitude	100m

System Ratings (kWe/kVA)

Load:	[%]	100	75	50
Electrical power COP acc. ISO 8528-1:	[kW]	1165	874	583
Fuel consumption:	[kW+5%]	2755	2120	1521
Thermal efficiency:	[%]	41.9	43.2	45.7
Electrical :	[%]	42.3	41.2	38.3
Total efficiency:	[%]	84.2	84.4	84.0

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	170 mm
Stroke	210 mm
Displacement	57.2 L
Lube oil Capacity	280 L
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

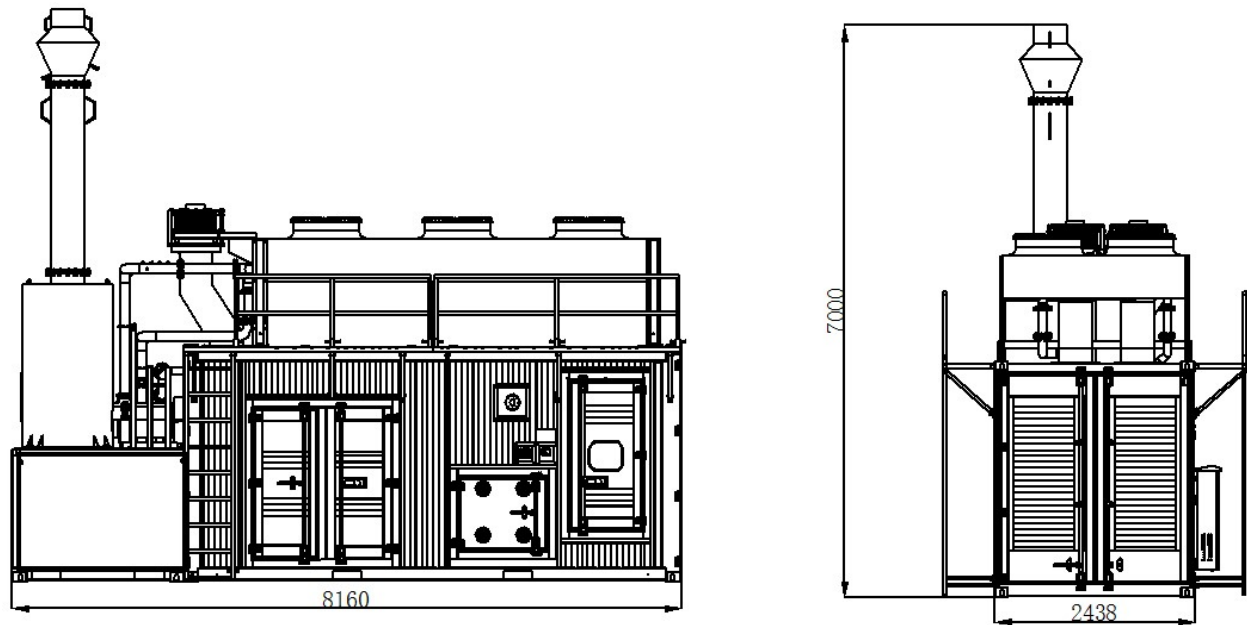
Construction	Double Bearing
Control System	AVR with PMI Excited
Insulation	Class H
Protection	IP23
Rated Power Factor	0.8
Efficiency (Cont. 100%)	0.96
No of Pole and Phase	4 Poles 3 Phase 4 Wire

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
PPU1000BG	Approximately 21,630	8160 x 3708 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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