

# NATURAL GAS GENERATOR SET

## PPU420NG

### Applicable Conditions

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

### System Ratings (kWe/kVA)

Load:	[%]	100	75	50
Electrical power COP acc. ISO 8528-1:	[kW]	420	315	210
Fuel consumption:	[kW+5%]	1064	821	580
Thermal efficiency:	[%]	47.3	48.3	49.7
Electrical :	[%]	39.5	38.4	36.2
Total efficiency:	[%]	86.8	86.7	85.9

### 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

<b>Number of cylinders / configuration</b>	12V
<b>Engine speed</b>	1500 r/min
<b>Bore</b>	130 mm
<b>Stroke</b>	142 mm
<b>Displacement</b>	22.6 L
<b>Lube oil Capacity</b>	34 L
<b>Exhaust gas emissions</b>	
<b>NOx, stated as NO2 (dry, 5% O2)</b>	< 500 mg/m <sup>3</sup> i.N
<b>CO (dry, 5 % O2)</b>	< 1000 mg/m <sup>3</sup> i.N

### Alternator

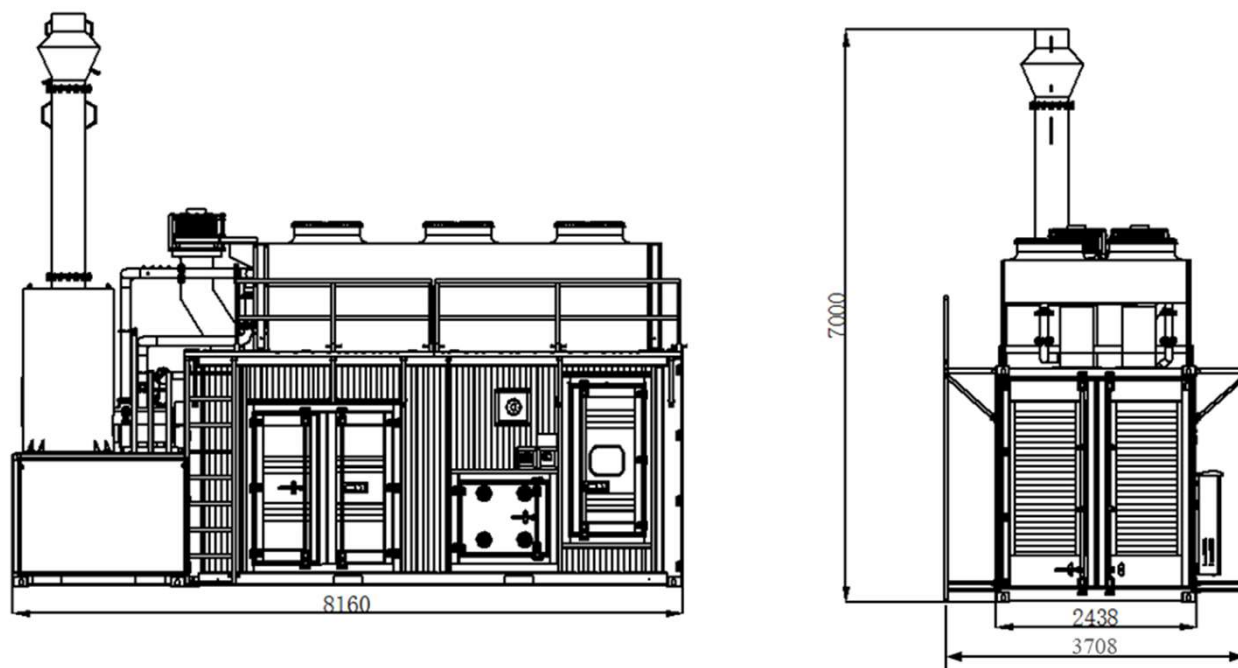
<b>Construction</b>	Single Bearing
<b>Control System</b>	AVR with PMI Excited
<b>Insulation</b>	Class H
<b>Protection</b>	IP23
<b>Rated Power Factor</b>	0.8
<b>Efficiency (Cont. 100%)</b>	0.96
<b>No of Pole and Phase</b>	4 Poles 3 Phase 4 Wire

### Acoustic

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

# Specification

## Generator Set layout, Dimensions and Weight



Genset Model	Dry Weight ( kg)	Dimensions (LxWxH) mm
PPU420NG	Approximately 14,200	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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