

# INFINITY-RENT G20YS-M5

50Hz@1500RPM 400/230V 3PH

**GENMAC**  
POWER PRODUCTS

 **YANMAR**  **STAMFORD**



Picture for illustration purposes only

## Overall performance

### G20YS-M5

PRP Continous power kVA	<b>19</b>
PRP Continuous power kW	<b>15</b>
LTP Stand-by power kVA	<b>20</b>
LTP stand-by power kW	<b>16</b>
Power factor cos φ <sub>lp</sub>	<b>0.8</b>
Voltage VAC	<b>400/230</b>
Frequency Hz	<b>50</b>
Ampere PRP/LTP	<b>27 / 29</b>
Speed RPM	<b>1500</b>

## Dimensions and noise level

Length mm	<b>1802</b>
Width mm	<b>752</b>
Height mm	<b>1130</b>
Net Weight kg	<b>646</b>
Gross Weight kg	<b>664</b>
Sound pressure at 7 mt dBA	<b>68.00</b>

## Data reference

Standard reference conditions temperature 25°C, altitude 1-1000m asl, relative humidity 30%, atmospheric pressure 100 kPa (1 bar), power factor 0.8 lag, balanced load - non distortion. Fuel consumption is nominal and refers to specific weight 0.850 gr/l. Power performance data as quoted can be obtained after the initial running-in period of the engine, during which one has to follow the instructions of the engine manufacturer as stated in the use and maintenance manual of the specific engine. The tolerance shown by the engine manufacturer is +/- 5%. Sound power values refer to free field conditions: the installation site may influence the values. Dimensions, weights and other specifications contained in the technical data sheet and related attachments are nominal, subject to tolerances and refer to the model with standard equipment; any optional and additional equipment/accessories can modify weight, dimensions, performance.P.R.P. Prime Power-Continuous power at variable load: The power that a genset can supply in continuous service at a variable load for an unlimited number of hours per year while respecting the maintenance intervals established in the environmental conditions stated by the Manufacturer. according to ISO8528-1. The average power supplied over time and any applicable overload must be less than the percentages stated by the Manufacturer.L.T.P. Limited-time running power-Limited power: The maximum power that a genset can supply for a limited time respecting the maintenance intervals established in the environmental conditions stated by the Manufacturer according to ISO 8528-1.The number of hours per year is stated by the Manufacturer. Overload is not permitted.\*For reasons of transport and/or storage, liquids (oil and antifreeze) and batteries might not be included in the delivery.

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## Engine general data

Engine brand	Yanmar
Model	4TNV88-BIECS
PRP Power kW	17.20
LTP Power kW	18.90
Fuel	Diesel
Nr. cylinders	4
Air intake	Aspirated
Cooling	Water
Cubic capacity l.	2.19
Speed regulation	Mechanical
Performance Class - steady state regulator accuracy +/- %	---
Load Step G1 - KWe	-
Load Step G2 - KWe	-
Load Step G3 - KWe	-
Voltage VDC	12
Emissions	Euro stage 5

## Alternator general data

Alternator brand	Stamford
Model	S0L2-G1
Type of excitation	Self-excited
Type of regulation	AVR
Regulator precision +/- %	1.00

## Structure data

Type of structure	INFINITY-RENT
Tank capacity l.	50
Retention basin	yes
Exhaust diameter mm	50

## Control panel features

### QFIP-4510-PT2-RENT

- No. 1 CEE 32A 400V
- No. 1 CEE 16A 400V
- No. 2 CEE 16A 230V
- No. 1 Schuko 16A 230V
- Thermal breaker
- Circuit breaker
- Controller DSE4510
- Voltmeter, Frequencymeter, Ammeter
- Generator power (kW, kV Ar, kV A & pf) monitoring
- Hour meter
- Fuel level meter
- Overload (kW & kV Ar) protection
- Low oil pressure protection
- High coolant temperature protection
- Low fuel level protection
- Battery charger alternator fault
- Rpm protection
- Oil pressure and engine temperature reading
- Analogic fuel level instrument
- Emergency stop button
- Quick connector for remote start/ATS
- On/off switch

## Fuel consumption

Consumption 25% l./h	1.30
Consumption 50% l./h	2.60
Consumption 75% l./h	3.90
Consumption 100% l./h	5.20
Autonomy at 75% of load h.	≈ 13 h

## Engine liquids and equipment

Type of lubricant	Oil SAE 15W40
Lubrication capacity l.*	7.40
Type of coolant	Antifreeze liquid
Coolant capacity l.*	4.90
Air intake filter	Paper cartridge
Battery capacity Ah	50
Number of batteries*	1

## Fuel system and energy balance

AC pump suction head kPa	-
Combustion air flow volume LTP m3/min	-
Cooling air capacity LTP m3/min	-
Exhaust gas flow-density LTP m3/min	-
Exhaust gas temperature LTP °C	-
Brake mean effective pressure kPa	-
Energy to exhaust LTP kWt	-
Energy to coolant LTP kWt	-
Energy to radiation LTP kWt	-



Dealer

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