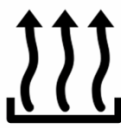




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Image for demonstration purposes



**Generating Set**  
**RENTAL BUILDING - Diesel**

**GE.A13A.088/080.RB+011**

1500 rpm - Threephase - 50Hz - 400V  
Control panel



## Standard equipment

### ⚙️ Canopy Soundproofing

Removable soundproof canopy  
Painting canopy (RAL) in galvanized sheet steel  
Soundproofing with class 1 polyester material  
Handles with key lock and automatic closing  
Special baffles for air intake and air expulsion  
Inspection doors with hermetic gasket  
Automatic doorstop  
Externally and internally washable with sprayer

### ⚙️ Exhaust

Residential exhaust system -35dB(A)  
Exhaust rain cap

### ⚙️ Fuel Supply

Single wall daily tank with 110% bunded base  
Plug & Play fuel connections  
Bulk tank connections with 3 way valve  
Automatic shutdown system for low fuel level  
Fuel gauge  
Mechanical fuel gauge  
Increased fuel hatch for washing

### ⚙️ Handling

Oversized lifting hook  
Base frame with anti-overturning forklift pockets  
Loadable side by side for truck transportation  
Rubber Bumpers

### ⚙️ Base Frame

Bunded base at 110% of fuel tank capacity  
Anti-vibrating mounting pads  
Battery compartment externally accessible for easy service

### ⚙️ Engine

High coolant temperature and low oil pressure shutdown system  
Oil change pump  
Engine liquids (oil and antifreeze)  
Tropicalized radiator  
Rotating parts protection  
Electronic speed governor  
Battery disconnecter lockable

### ⚙️ Alternator

AVR Automatic Voltage Regulator  
Impregnation for marine environment  
IP23

### ⚙️ Panel & connection

Emergency Stop button  
Switch on panel board  
RCD with adjustable current and excludible  
Circuit breaker inspectable from the outside c/w cable slide and cable clamps (excluded variant +12)  
Tamperproof panel IP55  
Male socket for battery charger and engine pre-heater (if provided) power supply  
Cable output from rear  
IP44 wiring  
Start-up battery (pre-charged)  
Plug & Play connector for Bus communication between controller (Only variant +14)  
Sockets module with magnetothermal circuit breaker and Differential  
Grounding point  
Total power terminal box (excluded variant +12)

### ⚙️ Documentation

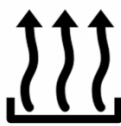
CE conformity declaration  
User and Maintenance manual  
Test report  
Wirings diagrams  
IP 55 Document pocket  
Exploded drawing with spare parts codes

### ⚙️ Normatives

All Generating sets are compliant to CE Marking  
2014/30/UE Electromagnetic compatibility  
2000/14/CE Noise Emission for outdoor use  
Factory-designed systems built according to ISO 9001:2015  
CEI EN 60204-1:2018 - Electrical equipment of machines



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## Primary data

### General Information

Speed	RPM	1500
Frequency	Hz	50
PRP	KVA	80
PRP - Prime power	KW	64,0
LTP - Standby power	KVA	88
LTP - Standby power	KW	70,4
Standard Voltage	V	400/230
Current	A	115,61
Voltage for current calculation	V	400
COSFI	0,8	0,8

### General electrical protection

Circuit-breaker rated current	A	125
Type	Switch disconnecter on panel board	
Circuit-breaker poles	N	4P
Optional/notes circuit-breaker	Opening coil	
Additional protection	Adjustable and excludable Differential protection	
Protection device	Control module	
Adjustments tripping set-point (I <sub>d</sub> )	mA	30 - 5000
Adjustments tripping time (t)	sec.	0 - 30

### Noise level +/- 3dB(A)

LWA	dB(A)	89
Sound pressure level @ 7 mt	dB(A)	64
Sound pressure level @ 1 mt	dB(A)	73

### Fuel Consumption

TYPE	Diesel	
Standard Fuel Tank capacity	lt	250
Autonomy @ 75% load	h	16
Fuel consumption at 100% load	lt/h	18,8
Fuel consumption at 75% load	lt/h	15,7
Fuel consumption at 50% load	lt/h	11,5

### General data

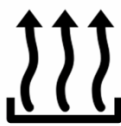
Rated capacity	Ah	1x120
Auxiliary Voltage	V	12
Exhaust gas temperature	°C	430
Cooling fan airflow	mc/s	2,2
Exhaust diameter	mm	80

### Weight and Dimensions

Dimensions (L x w x h)	cm	265x115x168
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Weight with liquids (excluding optionals and fuel)

Kg (+/-3%)

**1581**

## Engine

Factory		<b>FPT</b>
Model		<b>N45TE1F</b>
Emissions stage		<b>Stage 3A</b>
Speed governor		<b>Electronic</b>
Radiator	°C	<b>50</b>
Cooling	Tipo	<b>liquid (water + 50% Paraflu11)</b>
Active net power	Kwm	<b>72,5</b>
Nominal net power	CV	<b>98,5</b>
Cycle	Tipo	<b>4 strokes</b>
Injection	Tipo	<b>Direct</b>
Aspiration	Tipo	<b>Turbo</b>
Numbers of cylinders	N	<b>4</b>
Cylinders arrangement		<b>L</b>
Bore	mm	<b>104</b>
Stroke	mm	<b>132</b>
Total displacement	lt	<b>4,483</b>
Engine oil features		<b>15W40-API CI-4/CH-4 ACEA E5-E7</b>
Total oil capacity	lt	<b>21,3</b>
Total coolant capacity	lt	<b>18,5</b>

## Alternator

**\* May vary based on stock availability. However, a primary brand will be used.**

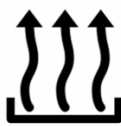
Factory		<b>Stamford</b>
Model		<b>UCI224G</b>
Single-phase Range	KVA	<b>85</b>
Voltage Regulator (voltage accuracy)	+/- %	<b>1</b>
Poles	N°	<b>4</b>
Phases	N°	<b>3+N</b>
Standard windings connection		<b>Star Series</b>
Stator/rotor impregnation		<b>H (Outdoor Temp 40°C)</b>
Efficiency	%	<b>90,2</b>
Engine coupling		<b>Elastic disk</b>
Short circuit current		<b>&gt;= 300% (3In)</b>
Protection degree	IP	<b>23</b>
Cooling system		<b>Self ventilating</b>
Maxium overspeed	rpm	<b>2250</b>
Waveform distortion	%	<b>&lt;5</b>
Exciter		<b>Diode bridge</b>

## Standard operating environmental conditions

Ambient temperature	°C	<b>25</b>
Relative Humidity	%	<b>30</b>
Max altitude	mt	<b>1000</b>



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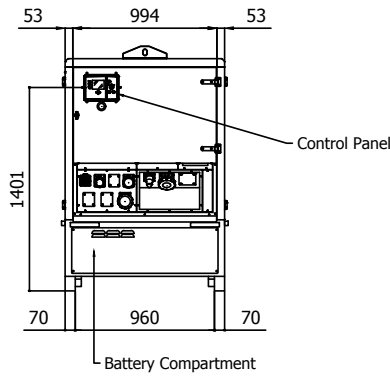


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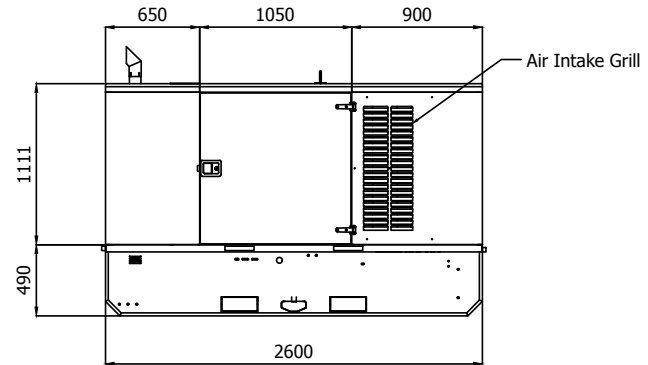
Sheet:	C 2600.RB	RENTAL BUILDING	Exhaust side:	Type:	STANDARD	Rev:	00	Last Update:	Apr 29, 2020	Page 1/2
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**OVERALL DIMENSIONS [mm]**

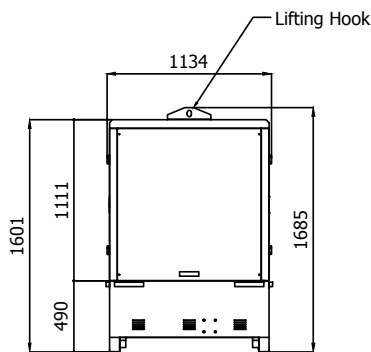
REAR VIEW



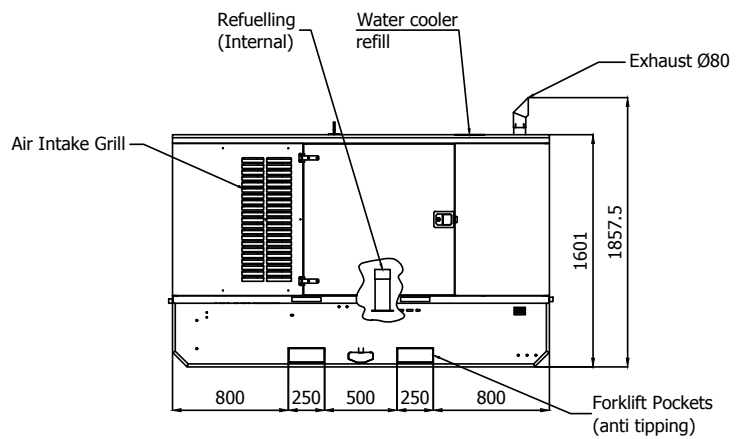
LEFT SIDE VIEW



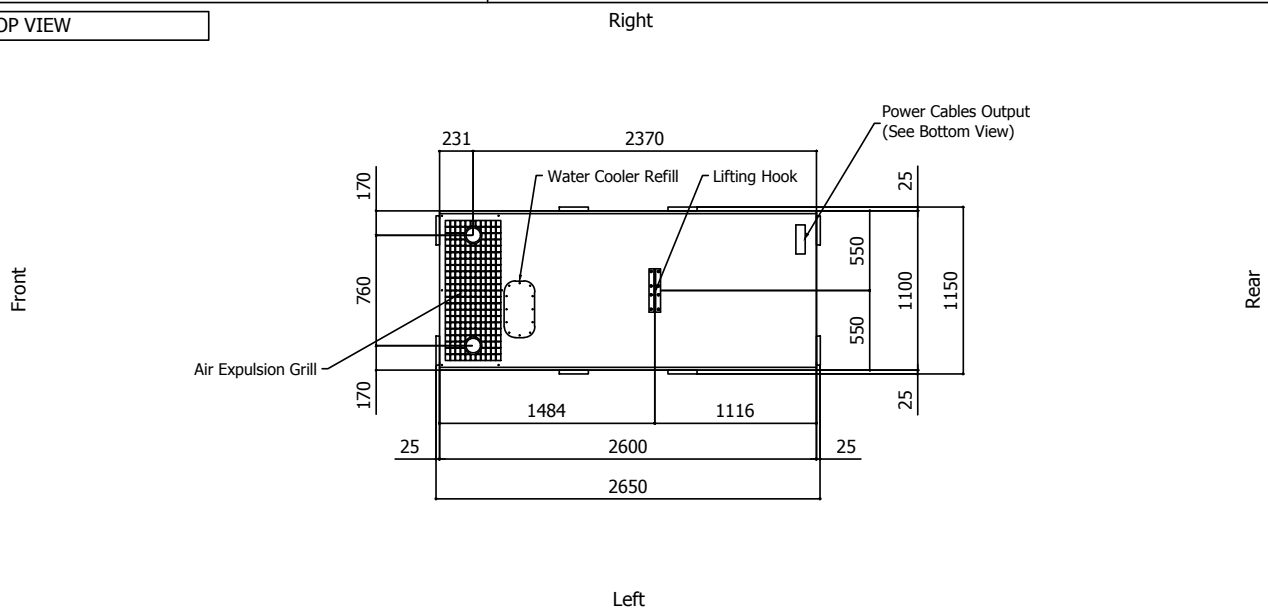
FRONT VIEW



RIGHT SIDE VIEW



TOP VIEW

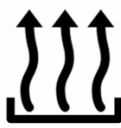


**IMPORTANT:**

- 1) Form and dimension refer to the generating set on catalogue
- 2) Form and dimension are subject to change in order to update or improve the products



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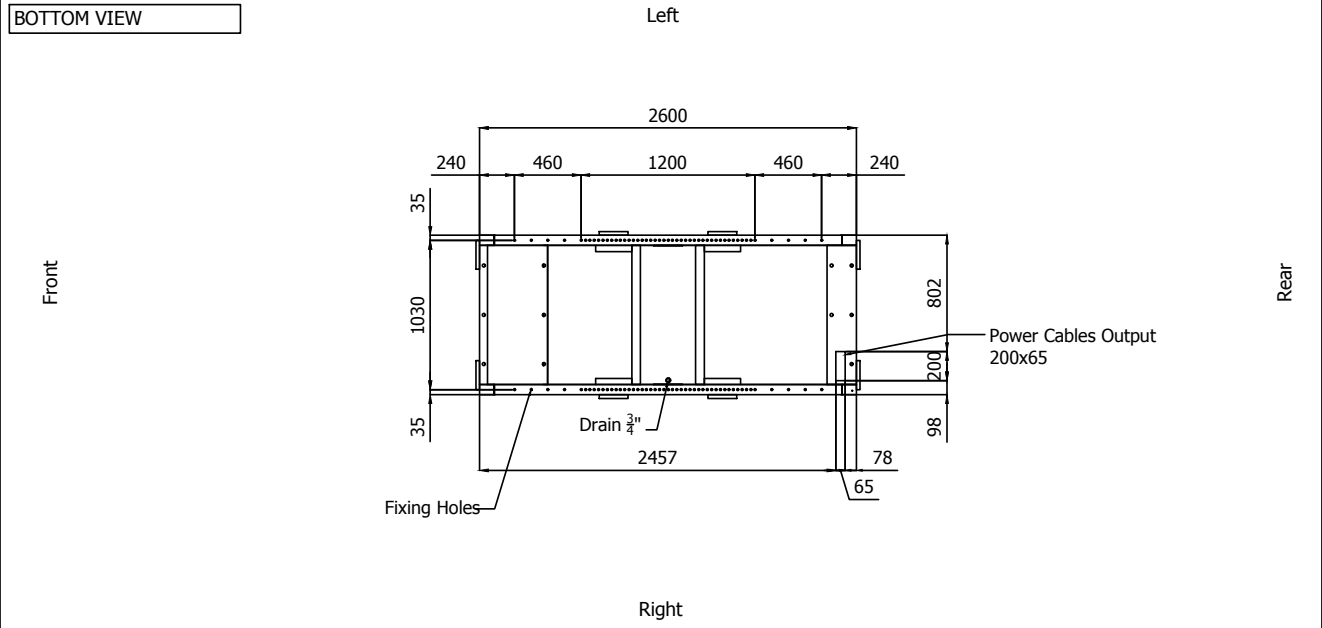


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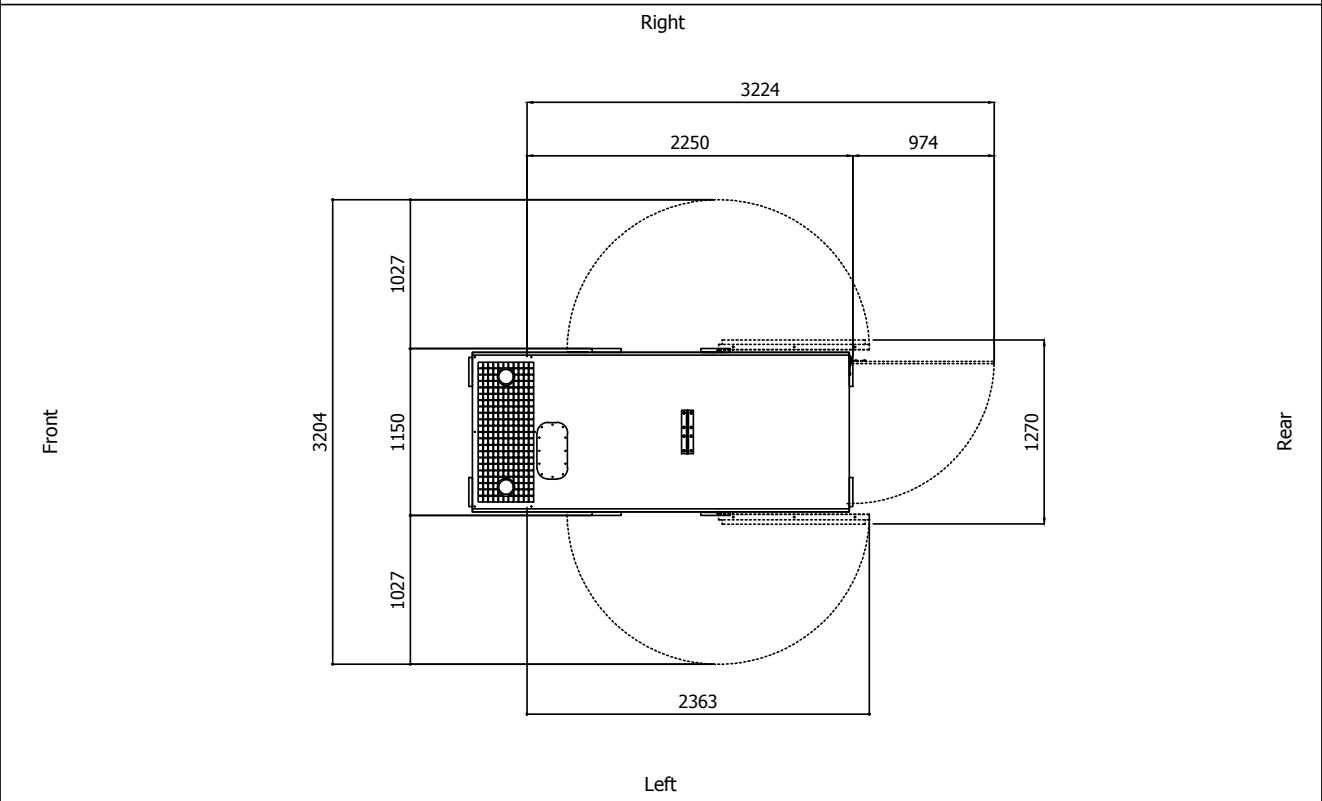


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Sheet:	C 2600.RB	RENTAL BUILDING	Exhaust side:	Type:	STANDARD	Rev:	00	Last Update:	Apr 29, 2020	Page 2/2
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**DIMENSIONS WITH OPEN DOORS [mm]**



Note: With Lifting-Off Door Solution consider only canopy dimensions.  
 (Models with "Control Panel" behind rear door will mount a special cover to protect it)

**VENTILATION OF THE ROOM**

The windows area in the generating set room needs to be (recommended):  
 Aspiration: 1.00 m<sup>2</sup>  
 Expulsion: 0.60 m<sup>2</sup>  
 ATTENTION: for a correct ventilation the expulsion air and the exhaust gas needs to be conveyed in the open-air

- IMPORTANT:**
- 1) Form and dimension refer to the generating set on catalogue
  - 2) Form and dimension are subject to change in order to update or improve the products