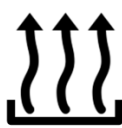




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Image for demonstration purposes



Generating Set
RENTAL BUILDING - Diesel

GE.A13A.165/150.RB+011

1500 rpm - Threephase - 50Hz - 400V
 Automatic panel without switching on board



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 pressure and coolant temperature gauge (only with QPE or +14 variant)
 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

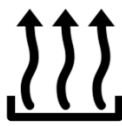
Emergency Stop button
 Non-Automatic circuit breaker on panel board
 RCD with adjustable current and excludible
 Circuit breaker inspectable from the outside c/w cable slide and cable clamps (excluded variant +12)
 Tamperproof panel IP55
 Male socket for battery charger and engine pre-heater (if provided) 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



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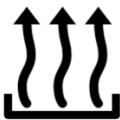
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Normatives

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 | 150 |
| PRP - Prime power | KW | 120,0 |
| LTP - Standby power | KVA | 165 |
| LTP - Standby power | KW | 132,0 |
| Standard Voltage | V | 400/230 |
| Current | A | 216,76 |
| Voltage for current calculation | V | 400 |
| COSFI | 0,8 | 0,8 |

General electrical protection

| | | |
|--|---|-----------|
| Circuit-breaker rated current | A | 250 |
| Type | Non-Automatic circuit breaker 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 _d) | mA | 30 - 5000 |
| Adjustments tripping time (t) | sec. | 0 - 30 |

Noise level +/- 3dB(A)

| | | |
|-----------------------------|-------|----|
| LWA | dB(A) | 91 |
| Sound pressure level @ 7 mt | dB(A) | 66 |
| Sound pressure level @ 1 mt | dB(A) | 75 |

Fuel Consumption

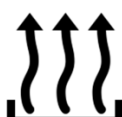
| | | |
|-------------------------------|--------|------|
| TYPE | Diesel | |
| Standard Fuel Tank capacity | lt | 400 |
| Autonomy @ 75% load | h | 15 |
| Fuel consumption at 100% load | lt/h | 34 |
| Fuel consumption at 75% load | lt/h | 28,2 |
| Fuel consumption at 50% load | lt/h | 20 |

General data

| | | |
|-------------------------|------|-------|
| Rated capacity | Ah | 1x180 |
| Auxiliary Voltage | V | 12 |
| Exhaust gas temperature | °C | 600 |
| Exhaust gas flow | l/s | 180 |
| Combustion air flow | l/s | 175 |
| Cooling fan airflow | mc/s | 3,8 |
| Exhaust diameter | mm | 100 |



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⚙️ Weight and Dimensions

| | | |
|--|------------|-------------|
| Dimensions (L x w x h) | cm | 345x125x195 |
| Weight with liquids (excluding optionals and fuel) | Kg (+/-3%) | 2297 |

⚙️ Engine

| | | |
|------------------------|------|--------------------------------|
| Factory | | FPT |
| Model | | N67TE1F |
| Emissions stage | | Stage 3A |
| Speed governor | | Electronic |
| Radiator | °C | 50 |
| Cooling | Tipo | liquid (water + 50% Paraflu11) |
| Active net power | Kwm | 131,5 |
| Nominal net power | CV | 178,7 |
| Cycle | Tipo | 4 strokes |
| Injection | Tipo | Direct |
| Aspiration | Tipo | Turbo |
| Numbers of cylinders | N | 6 |
| Cylinders arrangement | | L |
| Bore | mm | 104 |
| Stroke | mm | 132 |
| Total displacement | lt | 6,725 |
| Engine oil features | | 15W40-API CI-4/CH-4 ACEA E5-E7 |
| Total oil capacity | lt | 32 |
| Total coolant capacity | lt | 25 |

⚙️ Alternator

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

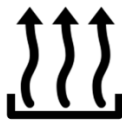
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|--------------------------------------|-------|-----------------------|
| Factory | | Stamford |
| Model | | UCI274F |
| Single-phase Range | KVA | 160 |
| Voltage Regulator (voltage accuracy) | +/- % | 1 |
| Poles | N° | 4 |
| Phases | N° | 3+N |
| Standard windings connection | | Star Series |
| Stator/rotor impregnation | | H (Outdoor Temp 40°C) |
| Efficiency | % | 92,3 |
| Engine coupling | | Elastic disk |
| Short circuit current | | >= 300% (3In) |
| Protection degree | IP | 23 |
| Cooling system | | Self ventilating |
| Maxium overspeed | rpm | 2250 |
| Waveform distortion | % | <5 |
| Exciter | | Diode bridge |

⚙️ Standard operating environmental conditions

| | | |
|---------------------|----|----|
| Ambient temperature | °C | 25 |
| Relative Humidity | % | 30 |



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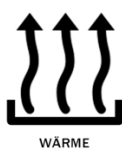


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Max altitude

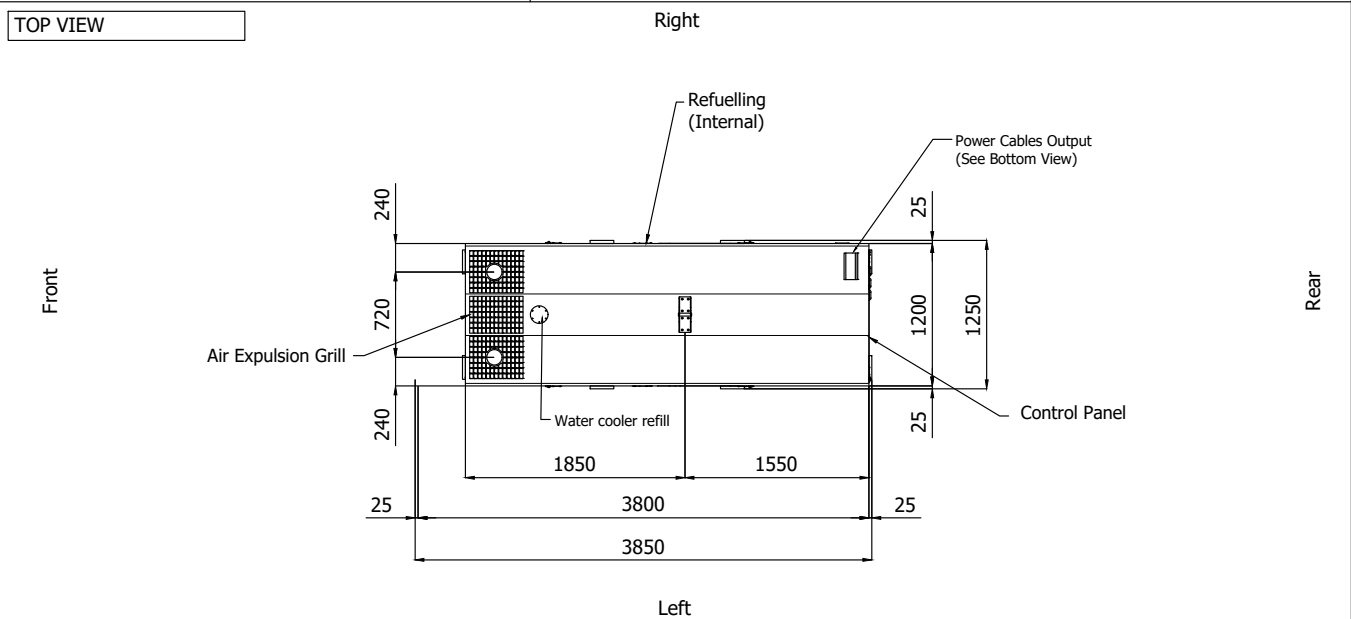
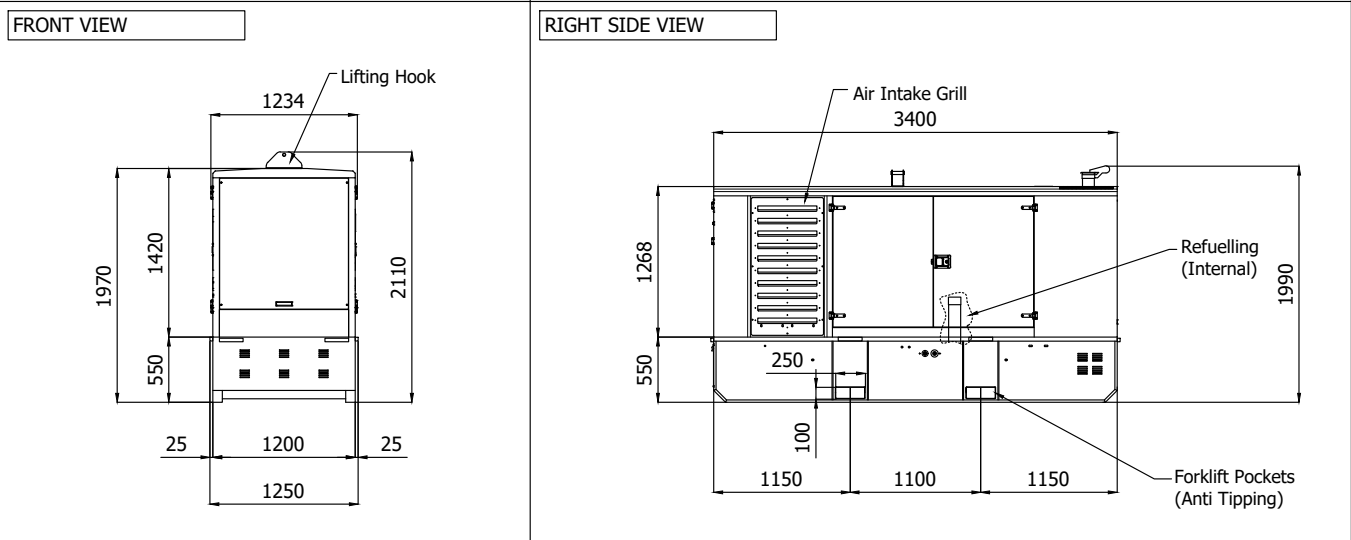
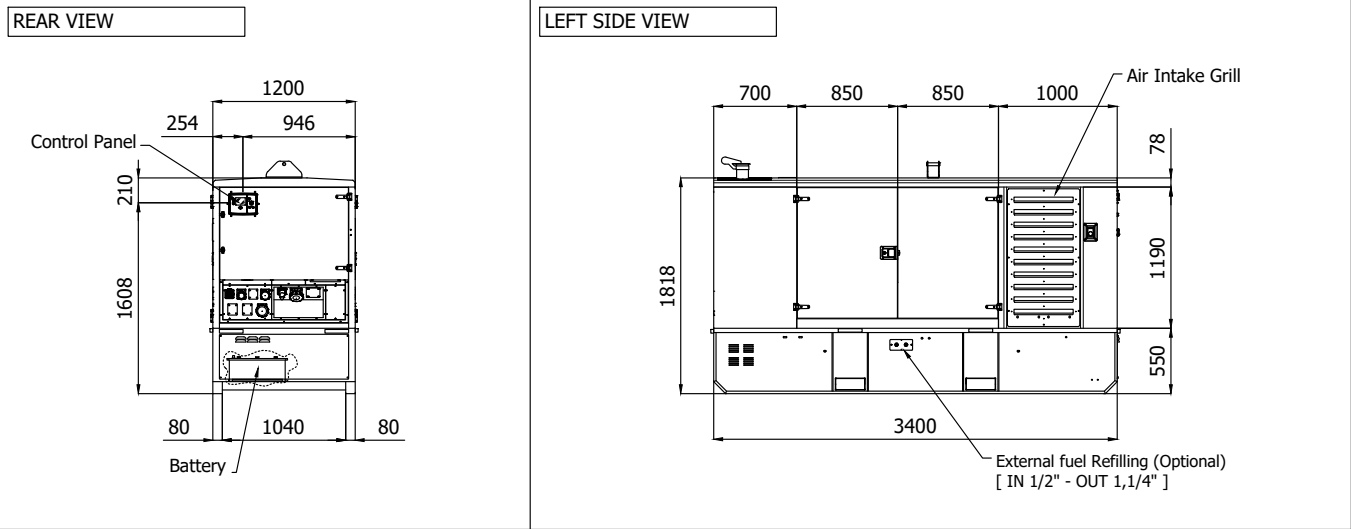
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1000



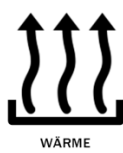
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|--------|-----------|-----------------|---------------|-------|----------|------|----|--------------|------------|----------|
| Sheet: | C 3400.RB | RENTAL BUILDING | Exhaust side: | Type: | STANDARD | Rev: | 01 | Last Update: | 22-05-2020 | Page 1/2 |
|--------|-----------|-----------------|---------------|-------|----------|------|----|--------------|------------|----------|

OVERALL DIMENSIONS [mm]

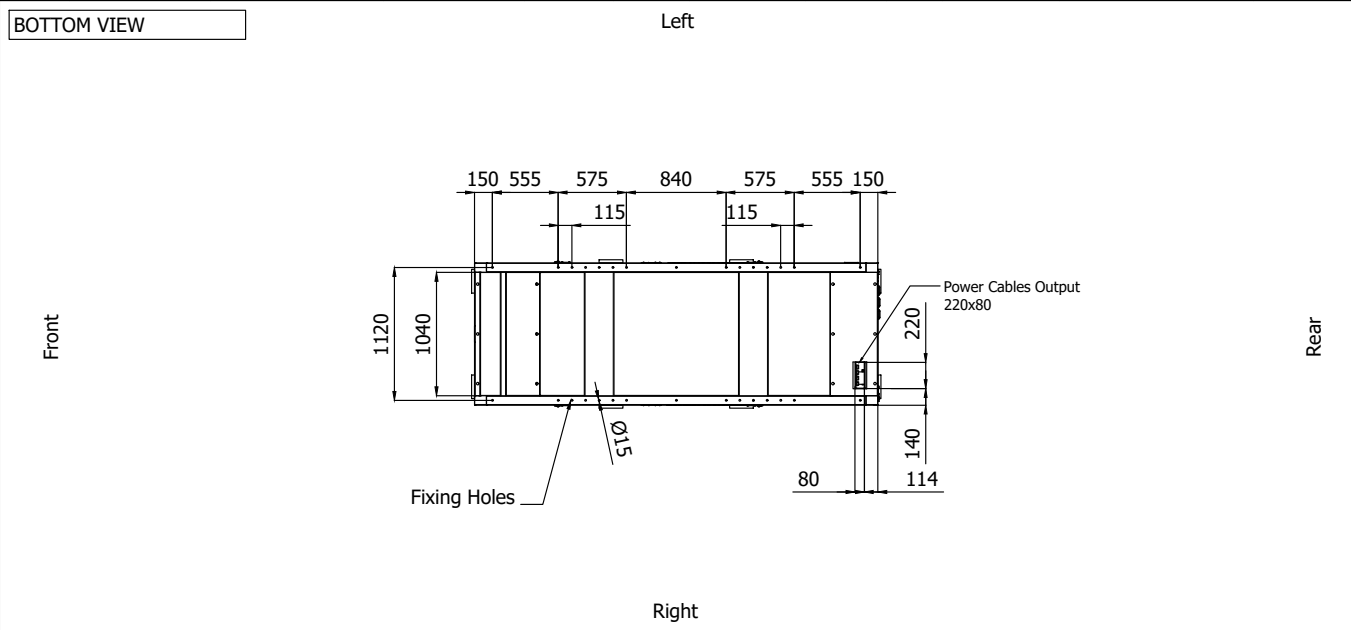


IMPORTANT:

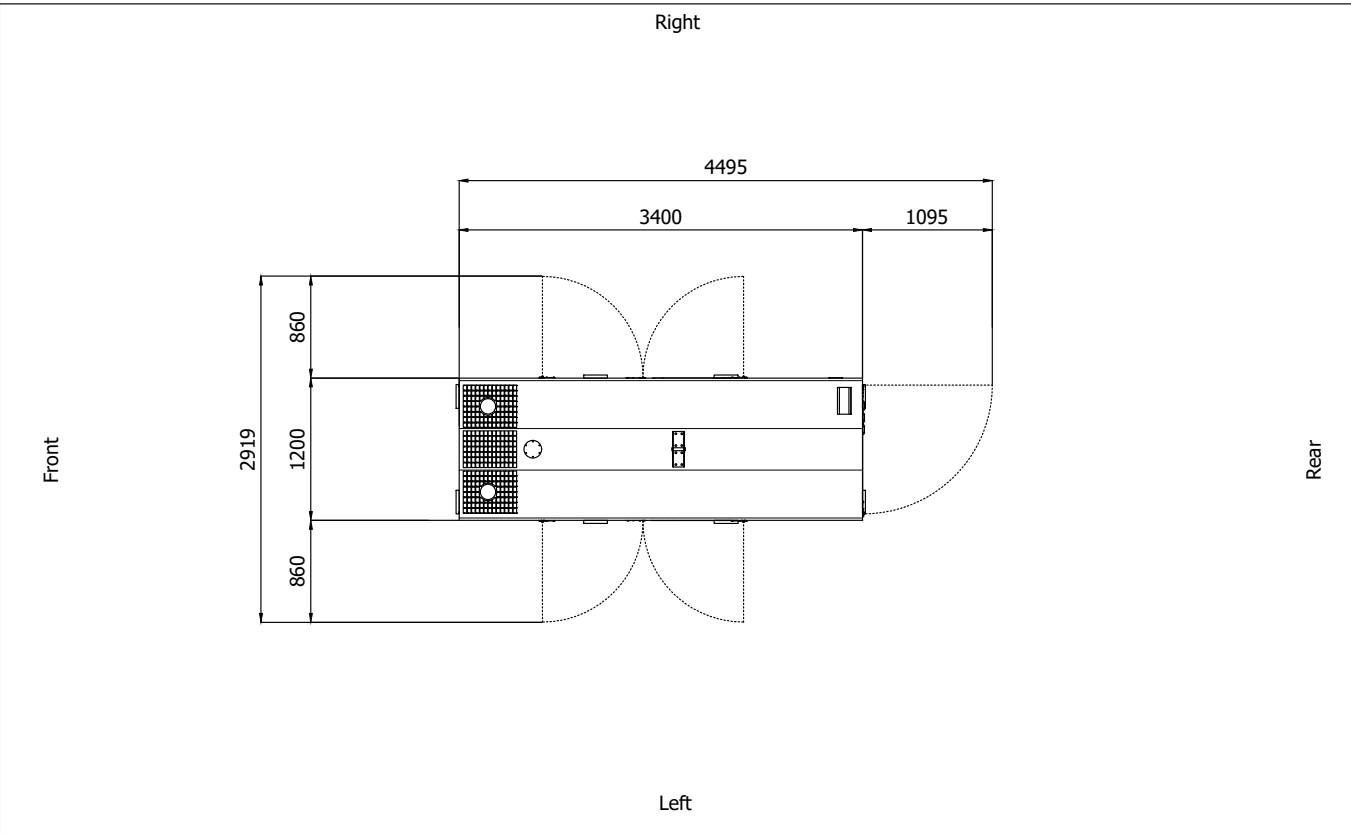
- 1) Form and dimension refer to the generating set on catalogue
- 2) Form and dimension are subject to change in order to update or improve the products



| | | | | | | | | | | | |
|--------|-----------|-----------------|---------------|--|-------|----------|------|----|--------------|------------|----------|
| Sheet: | C 3400.RB | RENTAL BUILDING | Exhaust side: | | Type: | STANDARD | Rev: | 01 | Last Update: | 22-05-2020 | Page 2/2 |
|--------|-----------|-----------------|---------------|--|-------|----------|------|----|--------------|------------|----------|



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: 1.25 m²
 Expulsion: 0.85 m²
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