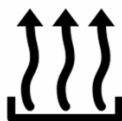




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Generating Set
RENTAL BUILDING - Diesel

GE.A13A.140/130.RB+011

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



Image for demonstration purposes

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
- Battery disconnecter lockable

⚙️ Alternator

- AVR Automatic Voltage Regulator
- Impregnation for marine environment
- IP23

⚙️ Panel & connection

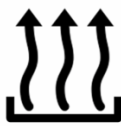
- Emergency Stop button
- Non-Automatic circuit breaker on panel board
- RCD with adjustable current and excludible
- Circuit breaker inspectable from the outside c/w cable slide and cable clamps
- Tamperproof panel IP55
- Male socket for battery charger and engine pre-heater (if provided) power supply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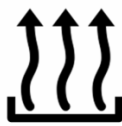
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Normatives

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	130
PRP - Prime power	KW	104,0
LTP - Standby power	KVA	144
LTP - Standby power	KW	115,2
Standard Voltage	V	400/230
Current	A	187,86
Voltage for current calculation	V	400
COSFI	0,8	0,8

General electrical protection

Rated current	A	250
Type	Non-Automatic circuit breaker on panel board	
Poles	N	4P
Optional/notes	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)	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	400
Autonomy @ 75% load	h	16
Fuel consumption at 100% load	lt/h	30,5
Fuel consumption at 75% load	lt/h	25
Fuel consumption at 50% load	lt/h	17,7

General data

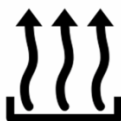
Rated capacity	Ah	1x180
Auxiliary Voltage	V	12
Cooling fan airflow	mc/s	3,8
Exhaust diameter	mm	100

Weight and Dimensions

Dimensions (L x W x H)	cm	345x125x195
Weight with liquids (excluding optionals and fuel)	Kg (+/-3%)	2259



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Engine

Factory		FPT
Model		N67TM1F
Emissions stage		Stage 3A - ROHS2
Speed governor		Mechanic
Radiator	°C	50
Cooling	Tipo	liquid (water + 50% Paraflu11)
Active net power	Kwm	113
Nominal net power	CV	153,5
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.**

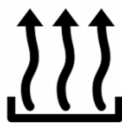
Factory		Stamford
Model		UCI274E
PRP continuous power	KVA	140
Voltage Regulator (voltage accuracy)	+/- %	1
Poles	N°	4
Phases	N°	3+N
Standard windings connection		Star Series
Stator/rotor impregnation		H (Outdoor Temp 40°C)
Efficiency	%	91,7
Engine coupling		Elastic disk
Short circuit current		>= 300% (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
Max altitude	mt	1000



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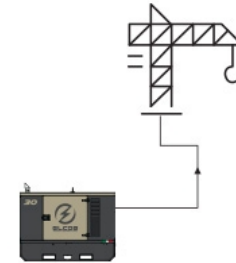


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Control Systems on board QPE-C-SC-3F-4P-250-O3RB



operating scheme - schema di funzionamento

QPE Automatic panel without switching on board

The QPE-C control panel represents the evolution of the panel for the control and management of the gen set. With its microprocessor logic it is able to meet any user requested features. The dual operation mode manual and automatic guarantees to every type of functionality protection, analysis and control of the generating set in order to make the management easy and efficient. Variant without transfer switch on board. ATS panel type QC as optional. The panel manages the QC panels directly or any other ATS panel.

⚙️ Mechanical features

Protection degree	IP	55
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⚙️ Battery charger

Model		ELCOS - CB1
Maximum output current	A	2,5
Output DC voltage (selectable)	V _{dc}	12-24
Input AC voltage (selectable)	V _{ac}	220-260
Frequency	Hz	50-60

⚙️ Sockets module

Protection	Type	Differential Magnetothermal breakers
Differential Sensivity	mA	30 (only for 16A and 32A)
Sockets		N. 1 CE Schuko 16A 230V
Sockets		N. 1 CE 2P+T 16A 230V
Sockets		N. 1 CE 3P+N+T 16A 400V
Sockets		N. 1 CE 3P+N+T 32A 400V
Sockets		N. 1 CE 3P+N+T 63A 400V
Male socket		N. 1 CE 2P+T 16A 230V

⚙️ Data Communication

Data connection port		RS-485
Communication protocol		Mod-bus RTU-8N1

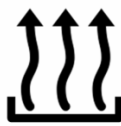
⚙️ Remotable functions in terminal box

GS start

GS lock



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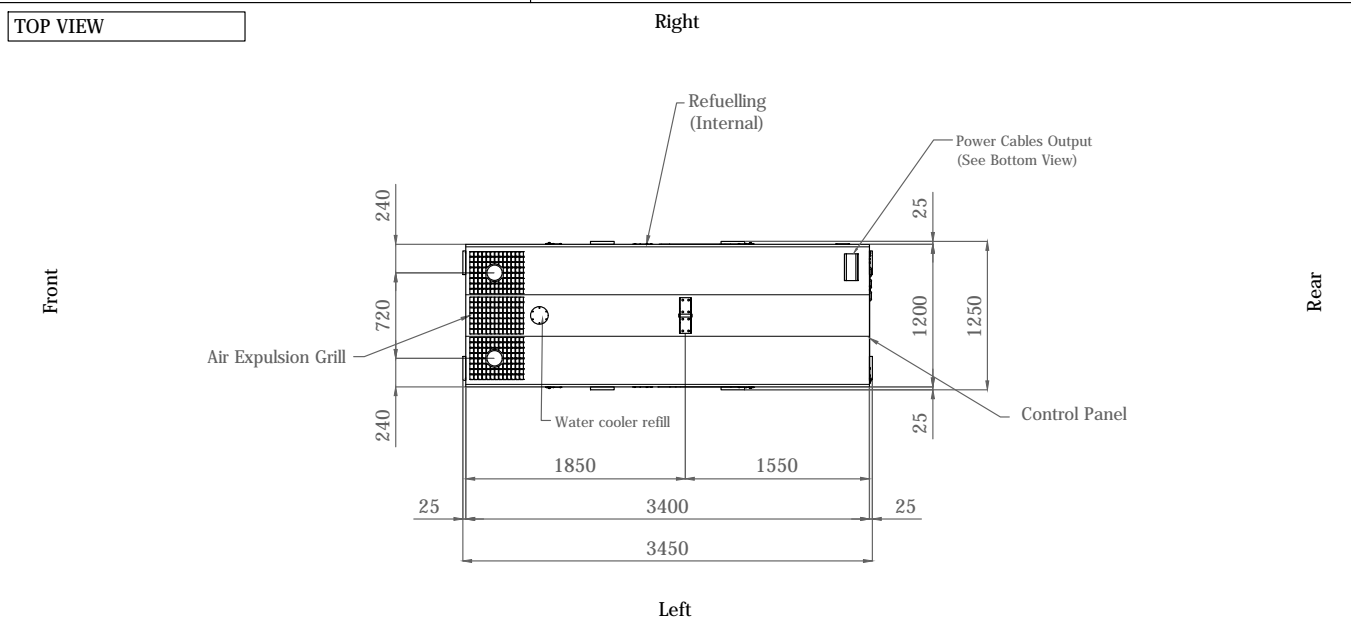
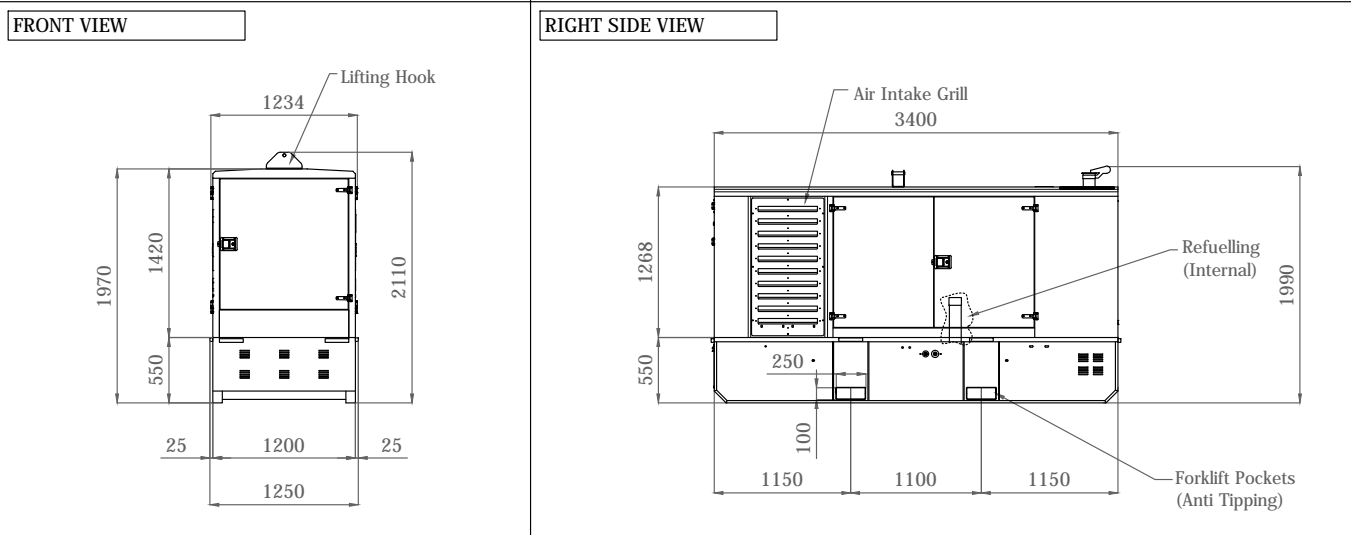
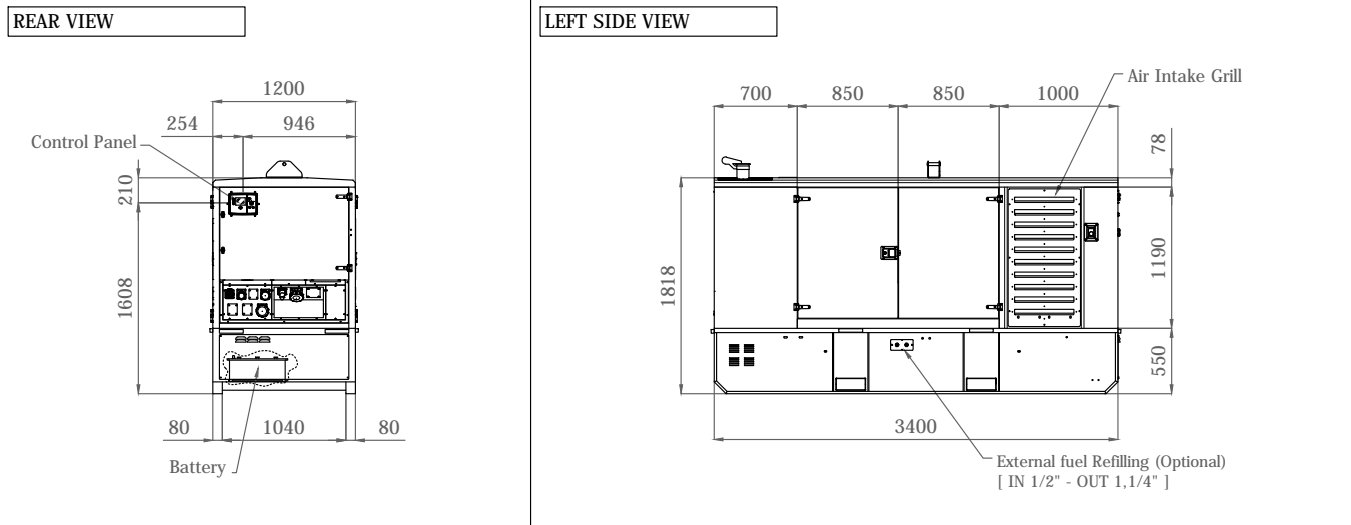
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Sheet:	C 3400.RB	RENTAL BUILDING	Exhaust side:	Type:	STANDARD	Rev:	02	Last Update:	27-04-2022	Page 1/2
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OVERALL DIMENSIONS [mm]

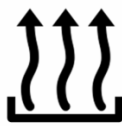


IMPORTANT:

- 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



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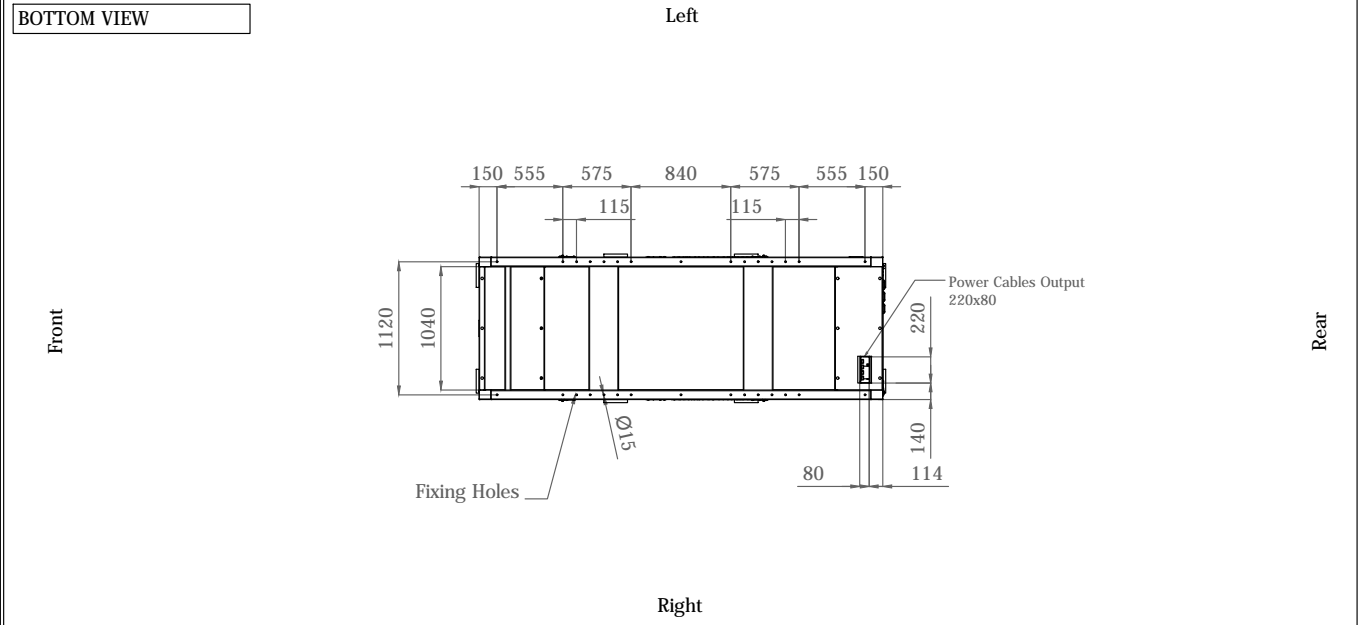


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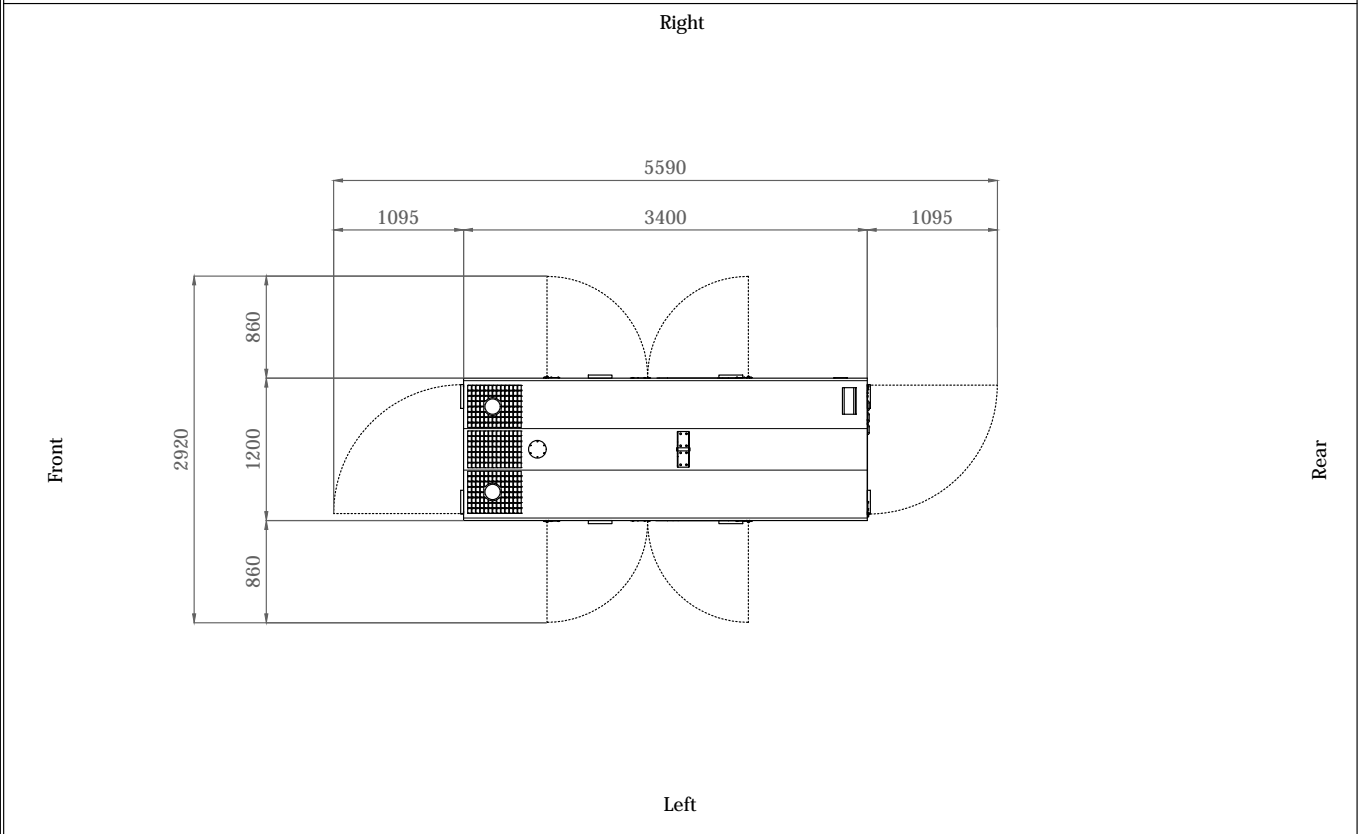


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Sheet:	C 3400.RB	RENTAL BUILDING	Exhaust side:	Type:	STANDARD	Rev:	02	Last Update:	27-04-2022	Page 2/2
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DIMENSIONS WITH OPEN DOORS [mm]



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: 1.25 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