



Image for demonstration purposes

 **Generating Set**
RENTAL BUILDING - Diesel

GE.AIS5.110/100.RB+011

1500 rpm - Trifase - 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

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
Wiring 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

Primary data

General Information

| | | |
|---------------------------------|------------|----------------|
| Speed | <i>RPM</i> | 1500 |
| Frequency | <i>Hz</i> | 50 |
| PRP - Prime power | <i>KVA</i> | 100 |
| LTP - Standby power | <i>KVA</i> | 100 |
| PRP - Prime power | <i>KW</i> | 80,0 |
| LTP - Standby power | <i>KW</i> | 80 |
| Standard Voltage | <i>V</i> | 400/230 |
| Current | <i>A</i> | 144,51 |
| Voltage for current calculation | <i>V</i> | 400 |
| COSFI | <i>0,8</i> | 0,8 |

General electrical protection

| | | |
|-------------------------------------|-------------|--|
| Rated current | <i>A</i> | 160 |
| Type | | Non-Automatic circuit breaker on panel board |
| Poles | <i>N</i> | 4P |
| Optional/notes | | Opening coil |
| Additional protection | | Adjustable and excludable Differential protection |
| Protection device | | Control module |
| Adjustments tripping set-point (Id) | <i>mA</i> | 30 - 5000 |
| Adjustments tripping time (t) | <i>sec.</i> | 0 - 30 |

Noise level +/- 3dB(A)

| | | |
|-----------------------------|--------------|-----------|
| LWA | <i>dB(A)</i> | 90 |
| Sound pressure level @ 7 mt | <i>dB(A)</i> | 65 |
| Sound pressure level @ 1 mt | <i>dB(A)</i> | 74 |

Fuel Consumption

| | | |
|-------------------------------|-------------|---------------|
| TYPE | | Diesel |
| Standard Fuel Tank capacity | <i>lt</i> | 250 |
| Autonomy @ 75% load | <i>h</i> | 15 |
| Fuel consumption at 100% load | <i>lt/h</i> | 23,6 |
| Fuel consumption at 75% load | <i>lt/h</i> | 17,3 |
| Fuel consumption at 50% load | <i>lt/h</i> | 11,6 |

General data

| | | |
|-------------------------|-------------|--------------|
| Rated capacity | <i>Ah</i> | 1x120 |
| Auxiliary Voltage | <i>V</i> | 12 |
| Exhaust gas temperature | <i>°C</i> | 740 |
| Exhaust gas flow | <i>l/s</i> | 311 |
| Combustion air flow | <i>l/s</i> | 91,6 |
| Cooling fan airflow | <i>mc/s</i> | 1,8 |
| Exhaust diameter | <i>mm</i> | 80 |

Weight and Dimensions

| | | |
|--|------------|--------------------|
| Dimensions (L x W x H) | cm | 265x115x185 |
| Weight with liquids (excluding optionals and fuel) | Kg (+/-3%) | 1539 |

Engine

| | | |
|--|------|---------------------------------------|
| Factory | | FPT |
| Model | | F36ETVP03.A94 |
| Emissions stage | | Stage 5 |
| Speed governor | | Electronic |
| Radiator | °C | 50 |
| Cooling | Tipo | liquid (water + 50% Paraflu11) |
| Active net power | Kwm | 91,8 |
| Nominal net power | CV | 124,7 |
| Cycle | Tipo | 4 strokes |
| Injection | Tipo | Direct |
| Aspiration | Tipo | Turbo |
| Numbers of cylinders | N | 4 |
| Cylinders arrangement | | L |
| Bore | mm | 102 |
| Stroke | mm | 110 |
| Total displacement | lt | 3,6 |
| Engine oil features | | 15W40-API CI-4/CH-4 ACEA E5-E7 |
| Engine oil consumption | % | <0.25 |
| Total oil capacity | lt | 9,5 |
| Total coolant capacity | lt | 10,5 |
| ISO 8528-5 class | | G2 |
| Total Adblue - DEF capacity | l | 43 |
| Adblue - DEF consumption (% of fuel consumption) | % | 4÷7 |

Alternator

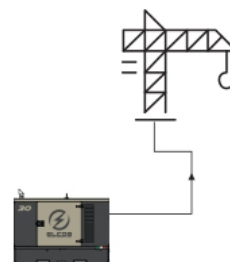
*** May vary based on stock availability. However, a primary brand will be used.**

| | | |
|--------------------------------------|-------|---|
| Factory | | Stamford |
| Model | | UCI274C |
| PRP continuous power | KVA | 100 |
| 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 | % | 90,3 |
| Engine coupling | | Elastic disk |
| Short circuit current | | 3x In (only with AVR MX321 or MX341) |
| Protection degree | IP | 23 |
| Cooling system | | Self ventilating |
| Maxium overspeed | rpm | 2250 |
| Waveform distortion | % | <5 |
| Exciter | | Diode bridge |

 **Environmental conditions**

| | | |
|---------------------|----|-------------|
| Ambient temperature | °C | 40 |
| Relative Humidity | % | 60 |
| Max altitude | mt | 1000 |

Control Systems on board QPE-C-SC-3F-4P-160-O2RB



operating scheme - schema di funzionamento

QPE Control panel

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.

Mechanical features

| | | |
|-------------------|-----------|-----------|
| Protection degree | <i>IP</i> | 55 |
|-------------------|-----------|-----------|

Battery charger

| | | |
|--------------------------------|-----------------------|--------------------|
| Model | | ELCOS - CB1 |
| Maximum output current | <i>A</i> | 2,5 |
| Output DC voltage (selectable) | <i>V_{dc}</i> | 12-24 |
| Input AC voltage (selectable) | <i>V_{ac}</i> | 220-260 |
| Frequency | <i>Hz</i> | 50-60 |

Sockets module

| | | |
|------------------------|-------------|---|
| Protection | <i>Type</i> | Differential Magnetothermal breakers |
| Differential Sensivity | <i>mA</i> | 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 |
| Genset contactor close/open command (1) | Mains contactor close/open command (2) |

Common Alarm - DC output
GS start with key in OFF position (Only in MRS mode)

GS test without load
Programmable output - Volt free output

Control Module



| Model | MC4 |
|----------------|-----------|
| Operating mode | AMF - MRS |

Specifics

Applications

Emergency to the Mains
Stand-alone
Construction site/Rental
Self-production

ENGINE MEASURES

Fuel tank level %
Engine oil pressure BAR (1)
Engine Coolant temperature °C (1)
Total run time
Partial run time
Hours to maintenance
Battery voltage
Battery charging voltage
Start-ups counter
Engine speed (2)
Engine Oil temperature (2)
Cooler temperature (2)
Engine oil level (2)
Engine coolant level (2)
Engine coolant pressure (2)
Turbo pressure (2)
Fuel Consumption (2)
Tank autonomy - hrs (5)
Fuel remaining quantity (5)
Fuel used quantity (5)

ALTERNATOR MEASURES

Generator Voltage L1, L2, L3
Generator Voltage L1-N, L2-N, L3-N
Generator frequency
Generator current L1, L2, L3
Generator Apparent Power kVA
Generator Active Power kW
Generator Reactive Power kVAR
Generator accumulated power kWh
Power factor Cosφ

MAINS MEASURES

Mains voltage L1, L2, L3
Mains voltage L1-N, L2-N, L3-N
Mains frequency

COMMUNICATION PORTS

Can-bus port
RS485 port with Mod-bus RTU communication
RS232 port for display connection
USB port for parameters saving and firmware update

EQUIPMENT

Microprocessor Logic
Back-lit display
Programmable from display
16 event log
Multiple display languages
STOP button
START button
TEST button
Reset alarm button
Alarm mute button
Fuel transfer pump activation button
Glow-plug activation button

PRE-ALARMS/ ALARMS

Common Alarm
Fuel reserve (pre-alarm)
Low fuel level (alarm)
Tank overflow
Charge alternator failed (dinamo)
Low oil pressure (pre-alarm) (1)
Low oil pressure (alarm)
Oil sensor failed (alarm)
High coolant temperature (pre-alarm) (1)
High coolant temperature (alarm)
Low coolant temperature (pre-alarm)
Low water level (1)
Water in fuel (1)
Battery undervoltage
Battery overvoltage
GS failure to start
GS failure to stop
Can-bus Failure
No Can-bus communication
Genset overload L1, L2, L3 phases
Genset short circuit
Genset overvoltage
Genset undervoltage
Genset high frequency
Genset low frequency
overspeed
Reverse power
Earth fault (pre-alarm)
Earth fault (alarm)
Block from password
CAN communication Failed
Maintenance request
Emergency button pressed
Remote emergency active
Forced stop
External battery failed
Fuel theft
Genset negative phase sequence
Mains negative phase sequence
Fuel theft protection

VISUALIZATIONS ON CONTROL MODULE/DISPLAY

Pre-alarms
Alarms
Engine measures
Alternator measures
Mains measures
Date and time
Operating mode
Genset status
Mains status
Mains contactor status
Genset contactor status
Digital Input and Output status
Grounding current mA (3)
Grounding current threshold mA (3)
Delay time of differential protection (3)
Glow plugs status

CONTROL MODULE FUNCTIONS

Automatic start and stop when the Mains Fails (7)
Remote Start and Stop
Remote Start and Stop with key in OFF position
Manual Start and stop
Emergency stop button on panel board
Remote emergency stop
Remote lock
Remote test without load
Remote test on load
Scheduled start-ups
MODBUS commands (Start, Stop, Reset, Test)

CONTROL MODULE SPECIAL FUNCTIONS (on demand)

Automatic charging of an external battery
Dummy load (4)
Load shedding (4)
Redundant starter motor management
Fuel monitoring
GS battery Load test
Idle mode
Service phone number indication
Variable speed Generator
Master / Slave mode








- (1) Present only with the sensor installed on engine (optional)
(2) Present according to the engine equipment and to the ECU type (ECU - Canbus)
(3) Present only with the residual current device mounted on genset board
(4) Present with optional expansion modules
(5) Present with special function activated

(6) Only with the optional of the automatic fuel refilling system on board






(7) Only in AMF mode

OPTIONAL

Fuel Supply

| | | |
|---|------------------------------|---|
| | O.G-ACO-BT-C2600-0600 | 600 Lt Oversized Fuel Tank on board for SS (80/100 kVA), for RB (50/100) (Increased weight and size) |
|  | O.G-ACO-GA-01 | Mechanical analogue float for internal fuel tank on board |
|  | O.G-ACO-GA-02 | Electrical analogue float to monitor the external refilling point on board |
|  | O.G-ACO-RE-01 | External refilling point for Gen Sets 10/250 kVA, SS, RB versions |
|  | O.G-ACO-RE-SP-01 | External refilling point with warning light for Gen Sets 10/250 kVA, SS, RB versions |
| | O.G-ACO-SC-AC-EL-01 | Diesel heater installed in the tank 220W 230V usable for RB 10/500, SS 130/750 and all oversized tanks (for GE from 10 to 100 KVA SS replace the tank from plastic to metal using the article O.G-ACO-TK-ST -...) |
|  | O.G-ACO-SP-01 | Tank leak sensor with signal reported in the QPE/QLE-B control panel |
|  | O.G-ACO-ST-BG-ES1 | "Easy" automatic fuel refilling system on board, controlled by QPE-C and QLE-B panels |
|  | O.G-ACO-ST-BG-STD | "Standard" automatic fuel refilling system on board, controlled by QPE-C and QLE-B panels |

Alternator

| | | |
|---|-----------------------------|--|
|  | O.G-ALT-AL-COTE-01 | Temperature control unit up to 4 x PT100 probes for MC4 management |
| | O.G-ALT-SEZ-IT-TN | Disconnecter for IT/TN system installed on the alternator for Gen-sets from 10 to 500 KVA only SS and RB version (check the feasibility) |
| | O.G-ALT-ST-ACO-01 | Anti-condensation heater 230 V (on Stamford from 80 to 2000 kVA) |
|  | O.G-ALT-ST-AVR-MX321 | Stamford MX321 automatic voltage regulator with PMG (Check dimensions) |
|  | O.G-ALT-ST-AVR-MX341 | Stamford MX341 automatic voltage regulator with PMG (Check dimensions) |
|  | O.G-ALT-ST-PT100-1CU | 1 x PT100 probe on bearing (80/3000 kVA) |
|  | O.G-ALT-ST-PT100-3AV | nr. 3 RTD-PT100 probes on stator windings (80/3000 kVA) |


O.G-ALT-ST-RIGU-01

Diode Failure Detector (DFD) mounted on the alternator. Alarm contact available into the panel

Batteries

O.G-BAT-BAE-02

Maintenance free high efficiency starter batteries (50/100 kVA)

Canopy

O.G-COF-AM-01

Hinges and Doors with tamper-proof device (10/100 kVA)


O.G-COF-AP-01

Door opening alarm system (each door)


O.G-COF-DLO-C2600-25KW

Dummy Load 25kW on board for GE 80/100 kVA (Add optional O.Q-QPE-RIL-16RELE in case of MC4 control. Add optional O.Q-QBM-COM-BIO8 for Comap AMF25, IG200, IG500 control. For other controls, check with technical department.)

O.G-COF-IL-INT-01

Internal LED lighting with micro-switches for Gen Sets 10/250 kVA


O.G-COF-PC-02

Steel cable holder for SS and RB versions from 50 to 100 KVA applied to the radiator inspection panel (Weight 27 Kg)

O.G-COF-TRT-MAR-02

High resistance canopy treatment for corrosive environments for 50/100 kVA (SS, RB Versions)


O.G-COF-VER-PAR-02

Canopy custom paint (Grey base-frame) for 50/100 kVA (SS, RB Versions)

O.G-COF-VER-TOT-02

Total canopy custom paint for 50/100 kVA (SS, RB Versions)

Electrical on board

O.G-MPRB-125A5P-02

125A EC 5P IP65 socket with 4P magneto-thermal protection, available for Gen Sets 100/500 kVA RB version, variant +011 (specify if 6H or 1H)


O.G-MPRB-16A-SCHUKO

16A SCHUKO IP65 socket with magneto-thermal breaker for RB Version


O.G-MPRB-16A3P

16A EC 3P IP65 socket with magneto-thermal breaker


O.G-MPRB-16A5P

16A EC 5P IP65 socket with magneto-thermal breaker for RB Version (specify if 6H or 1H)

O.G-MPRB-32A3P

32A EC 3P IP65 socket with magneto-thermal breaker


O.G-MPRB-32A5P

32A EC 5P IP65 socket with magneto-thermal breaker (specify if 6H or 1H)


O.G-MPRB-63A5P

63A EC 5P IP65 socket with magneto-thermal breaker (specify if 6H or 1H)


O.G-MPRB-AR-480-A

Quick coupling connectors Syntax SPX 480A (1 row of 4cs L1-L2-L3-N) for genset power from 50 to 100 Kva, RB version +011, c/w nr.4 Male connectors type SPZ "Line drain" for H07RNF cable section max 120sqmm, rated current 260A, cable to be tightened with screw.


O.G-MPRB-AR-AUX-4P

ILME 4 poles connector for connecting the remote signals and/or commands (indicate the functions). Available for the units form 10 up to 500KVA in RB version and +011 variant.


O.G-MPRB-AR-REM-START

Bulgin socket for connecting the remote start/stop contact. Available for the units form 10 up to 500KVA in RB version and +011 variant.


O.G-MPRB-CMT-02

Automatic switching on board for Gen Sets 50/100 kVA RB Version +011 (no additional sockets allowed)


O.G-MPRB-DIF-PR-01

Differential protection for modular switch for 1PH 16/32A socket (specify if 0.3A or 0.03A)


O.G-MPRB-DIF-PR-02

Differential protection for modular switch for 3PH 16/32A socket (specify if 0.3A or 0.03A)


O.G-MPRB-DIF-PR-03

Differential protection for modular switch for 3PH 63A socket (specify if 0.3A or 0.03A)


O.G-MPRB-DIF-PR-04

Differential protection for modular switch for 3PH 125A socket (specify if 0.3A or 0.03A)

O.G-MPRB-FIX-SCREWS

Fixing sockets on RB module with screws to replace the tear rivets. Only for GE RB version.

O.Q-QBM-BMIN-230V-02

Additional price for 230V minimum voltage coil on MCCB both on the control panel and on the alternator (check feasibility)

O.Q-QBM-CPI-BEN-01

Permanent insulation controller for IT networks up to 230V / 400V. BENDER IR423-D4-1. Adjustable threshold 10 ÷ 300 kohm. (2 DIN rail modules - check feasibility)


O.Q-QLE-K-DIF-M3

Adjustable differential protection only for MC2-PLUS controller for Gen Sets 10/500 kVA (+011 variant)


O.Q-QMC-K-DIF-R2

Adjustable differential protection only for QMC panel for Gen Sets 50/100 kVA (Variant +010 / +011)


O.Q-QMC-RX8-QMC

Start-stop radio control with max. radius 500 mt indoors and 5 km outdoors (for QMC panel).


O.Q-QMC-SAS-01

Auto Start-Stop at load request (QMC panel)


O.Q-QPE-485.CONV-LAN

Converter 485/LAN for QPE-C, QLE-B panel


O.Q-QPE-485.CONV-USB

Converter 485/USB for QPE panel

O.Q-QPE-DIS-MS.01

MASTER/SLAVE device for QPE panel

O.Q-QPE-INT-CST-02

STATUS contact GE main switch wired to terminal board inside the QPE panel (50 / 100KVA) on board the generator (no variant +10)

O.Q-QPE-INT-CTR-02

TRIP contact GE main switch wired to terminal board inside the QPE panel (50 / 100KVA) on board the generator (no variant +10)

O.Q-QPE-K-DIF

Differential protection adjustable for the MC4

O.Q-QPE-MD-QPE-C

GSM Modem for remote management of the genset through SMS (SIM card not included). Available only for +010/+011 versions with QPE panel.


O.Q-QPE-POT-VOLT

Internal potentiometer for voltage regulation - available only for variant +10/+11


O.Q-QPE-PR-QPE-C

Remote panel for QPE-C, QLE-B - available only for variant +10/+11


O.Q-QPE-QBM-COM-AMF25

Option with QBM COMAP AMF25 controller on board instead of QPE


O.Q-QPE-QBM-DSE-7320

Option with QBM DSE7320 controller on board instead of QPE.


O.Q-QPE-RIL-16RELE

16-relay module for QPE panel


O.Q-QPE-RX8-QPE-C

Start-stop radio control with max. radius 500 mt indoors and 5 km outdoors (for QPE panel).


O.Q-QPE-SAS-02

Auto Start-Stop at load request (QPE, QLE panels)


O.Q-QPE-SCD-01

Anti-condensation heater inside the panel

O.Q-QPE-SEL-2P

2 position selector switch on board cubicle (indicate the function of the selector)

O.Q-QPE-SEL-3P

3 position selector switch on board cubicle (indicate the function of the selector)

O.Q-QPE-TG-E-MON-BASIC

GSM/GPS modem for remote management - available only for +010/+011 versionis (complete with antenna and SIM card)


O.Q-QPE-TG-QPE-C

Remote management software via LAN for QPE-C, QLE-B panel compatible with Windows XP up to Windows 10

Engine

O.G-MOT-FC-4

Dust collector filter - for Gen Sets 80/100 kVA


O.G-MOT-FSA-4

Fuel/Water Separator Filter - for Gen Sets 80/100 kVA


O.G-MOT-K-40C-02

Engine liquids suitable for -40°C ambient temperature for Gen Sets 50/100 kVA


O.G-MOT-RF-02

Electronic speed governor for Gen Sets 50/200 kVA


O.G-MOT-SC-AC-EL-01

Engine pre-heater 230V with thermostat on board for Gen Sets 10/100 kVA (BF/PRO/SS/RB)


O.G-MOT-SC-AC-EL-02

Super hot engine heater 230V with thermostat on board for Gen Sets 10/100 kVA


O.G-MOT-SE-LR-01

Radiator coolant level sensor from 10 to 100 Kva

Handling


O.G-MOV-CN-4

Off-road trailer with 2 pneumatic wheels and tow bar (SS, RB Gen Sets 50/100 kVA) For ge SS combine with cod O.G-MOV-KRM-SS-02

O.G-MOV-CO-RS-03

Spare wheel with support for On road traiver O.G-MOV-CO-RS-03


O.G-MOV-CO-ST-03

Roadworthy trailer (Maximal capacity 2150Kg) 80km/h for genset from 50 to 100 kVA (registration excluded). For ge SS combine with code O.G-MOV-KRM-SS-02

O.G-MOV-KAC-01

Kit of plates for anchoring unit on trailer using belts. Available for gen sets from 10 to 100kVA only SS and RB version.

Quadro bordo GE


O.Q-QBM-COM-4G-GPS

Module cellular modem 2G/3G/4G in combination with a GPS/GLONASS receiver per INTELILITE 4 AMF25, AMF8, IG200, IG500 G2 and IG1000

O.Q-QBM-COM-BIO8

BIO8 expansion module for Comap INTELILITE4 AMF25, AMF8, IG200, IG500 G2 and IntelliGen4 200 controllers complete with user terminal block and / or relay for relaying outputs - if used (check installation feasibility in the switchboard).


O.Q-QBM-COM-ETH

Expansion module with ethernet port installed on the INTELILITE 4 AMF25, AMF8, IG200 control board. For connection to PC MOD-BUS TCP / IP - SNMP.

Exhaust


O.G-SCA-CAT-04

Catalytic converter (80/100 kVA)


O.G-SCA-FAP-K120

Particulate filter (DPF) for Gen Sets 100 kVA


O.G-SCA-PF-02

Spark arrestor for Gen Sets 50/100 kVA

Test


MS.CP-LT-01

FAT - Factory Acceptance Test for single Gen Set from 10 to 100 kVA according to our standard procedures in Elcos factory (max 2 hours - max 4 people - max 1 hour of operation)


MS.CP-SP-01

FAT - Factory Acceptance Test for single custom Gen Set from 10 to 100 kVA max 4 operating hours or parallel system up to 4 units for 1 operating hour, in Elcos factory (max 4 hours - max 4 people)

MS.CP-ST-01

FAT - Factory Acceptance Test for single Gen Set from 10 to 100 kVA according to our standard procedures in Elcos factory (max 4 hours - max 4 people - max 2 hour of operation)


MS.RF-ST-01

Noise test report for single Gen Set from 10 to 250 kVA

Vari



O.G-VAR-CAT-01

Toolbox for ordinary maintenance.

O.G-VAR-PUN-TER-01

Round earth spike, diam. 20 mm, height 1.5mt, galvanized, complete with clamp and 3m yellow/green cable model FS17 1x35mm² with cable lugs.

O.G-VAR-PUN-TER-02

Cross-shaped earth spike, height 1.5mt, galvanized, complete with clamp and 3m yellow/green cable model FS17 1x35mm² with cable lugs.

PRP

Engines of this rating provide unlimited hours of usage in a variable load application. The average load factor should not exceed 70% of the engine's prime power rating with a maximum number of 500 operational hours at 100% prime power rating. An overload capability of 10% is available, however, is limited to a period of 1 in every 12 hours

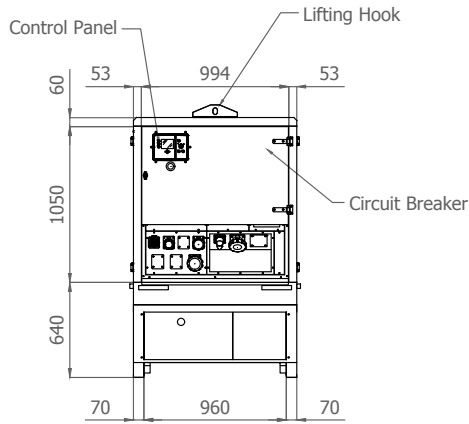
LTP

Limited-time running power is defined as the maximum power available, under the agreed operating conditions, for which the generating set is capable of delivering for up to 500h of operation per year with the maintenance intervals. The overload is not allowed.

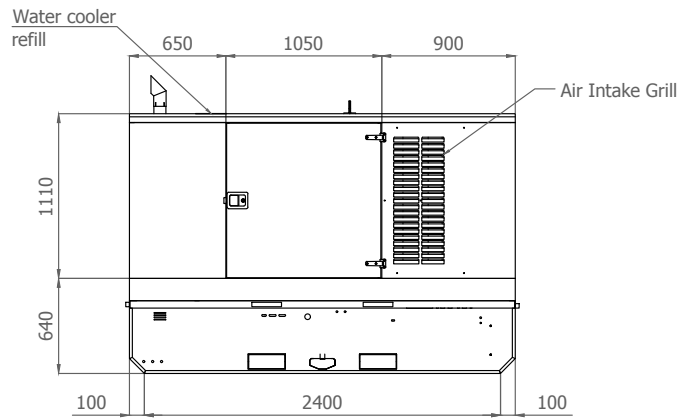
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| Sheet: | C 2600.RB | RENTAL BUILDING | Exhaust side: | - | Type: | STAGE V | Rev: | 00 | Last Update: | 15-02-2022 | Page 1/2 |
|--------|-----------|-----------------|---------------|---|-------|---------|------|----|--------------|------------|----------|

OVERALL DIMENSIONS [mm]

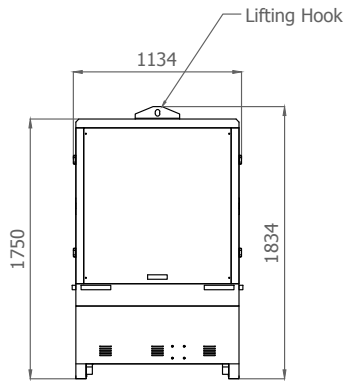
REAR VIEW



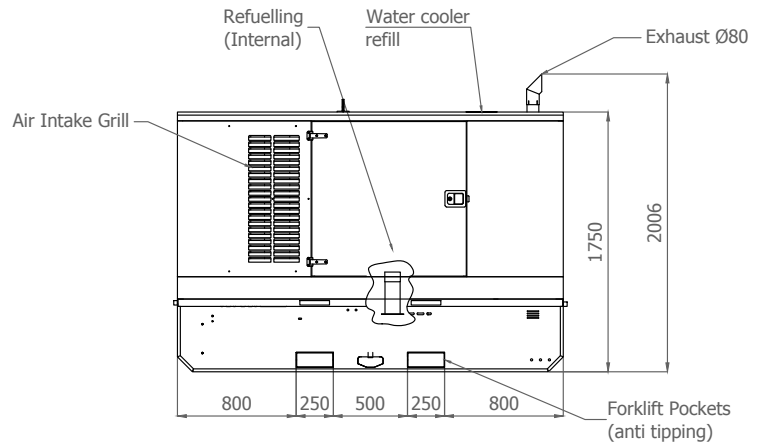
LEFT SIDE VIEW



FRONT VIEW



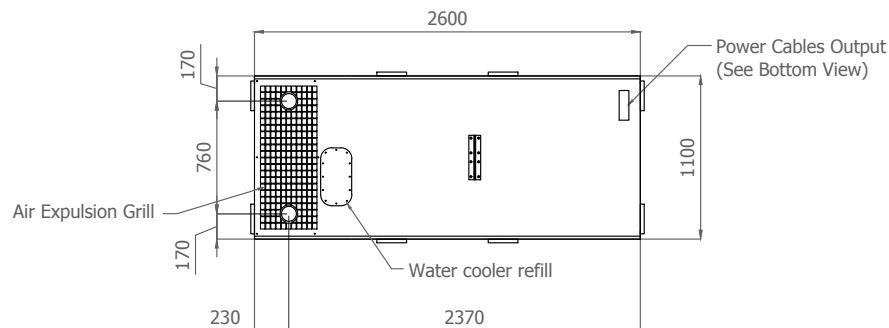
RIGHT SIDE VIEW



TOP VIEW

Right

Front



Rear

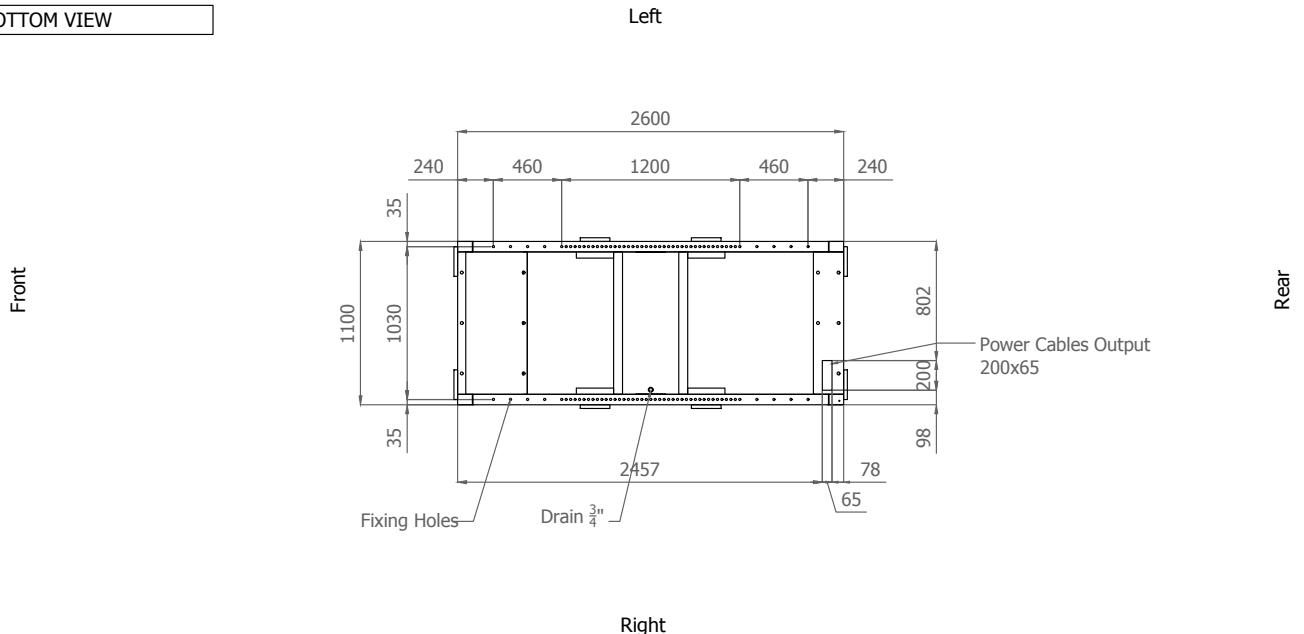
Left

IMPORTANT:

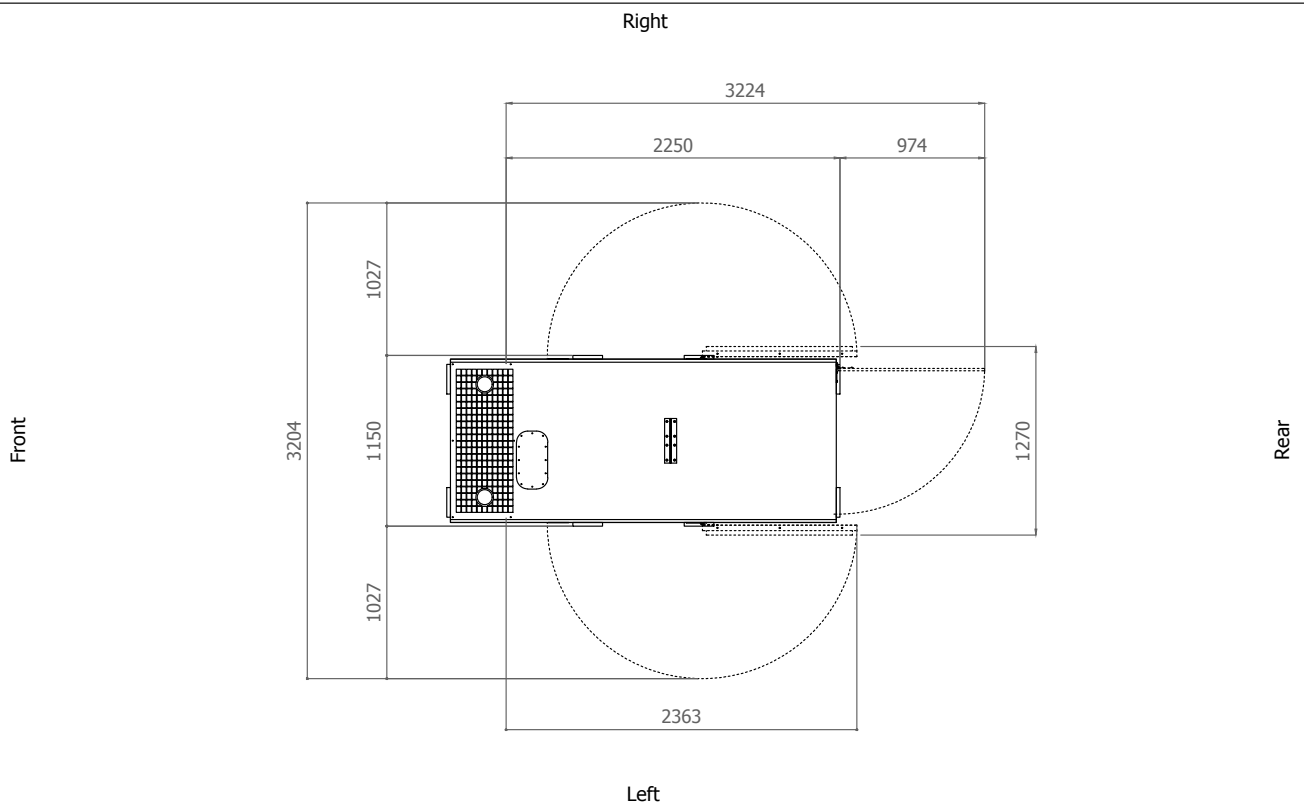
- 1) Form and dimension refer to the generating set on catalogue
- 2) Form and dimension are subject to change in order to update or improve the products
- 3) This document can not be copied or trasmitted without ELCOS S.r.l. approval

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|--------|-----------|-----------------|---------------|---|-------|---------|------|----|--------------|------------|----------|
| Sheet: | C 2600.RB | RENTAL BUILDING | Exhaust side: | - | Type: | STAGE V | Rev: | 00 | Last Update: | 15-02-2022 | Page 2/2 |
|--------|-----------|-----------------|---------------|---|-------|---------|------|----|--------------|------------|----------|

BOTTOM VIEW



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 m²

Expulsion: 0.60 m²

ATTENTION: for a correct ventilation the expulsion air and the exhaust gas needs to be conveyed in the open-air

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