

GENERATING SET MODEL

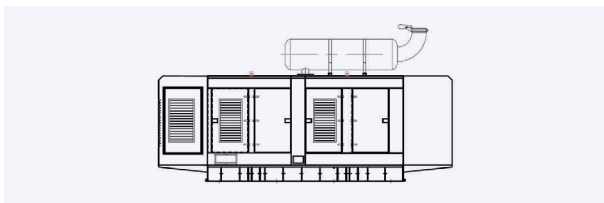
GEPC2750



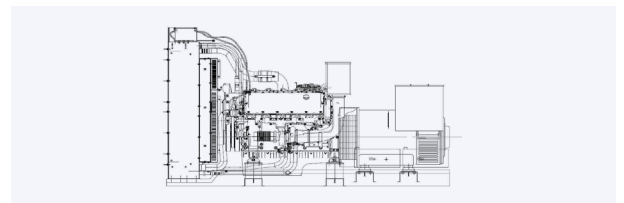
MAIN FEATURES

- Diesel engine
- Water-cooled
- Three phase generator
- Electronic speed governor
- Battery charger alternator
- Automatic voltage regulator
- **High customization possibility on all features**

AVAILABLE VERSION



Super Silent



Open Type

GENERATING SET DATA

OPEN TYPE

Prime Power (PRP):

According to ISO 8528-1:2005, Prime power is the maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load when operated for an unlimited number of hours per year under the agreed operating conditions with the maintenance intervals and procedures being carried out as prescribed by the manufacturer.

Limited-Time running Power (LTP):

According to ISO 8528-1:2005, Limited-time 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 and procedures being carried out as prescribed by the manufacturers.

2750

KVA PRP ISO8528-3046

1500

RPM

400

Voltage

3000

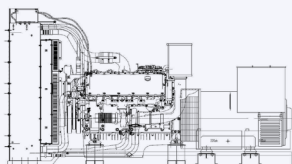
KVA LTP ISO8528-3046

50

Hz

0,8

Rated at power factor



OPEN TYPE

ENGINE DATA

Engine data are shown for 1500 rpm speed:

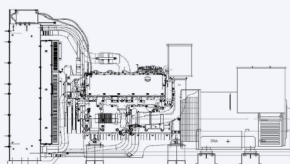
Engine model	CUMMINS QSK78G9	Cooling	Conditioned water
Engine power PRP	2304,0 kW	Compression ratio	15,5:1
Engine power ESP	2072,0 kW	Lube oil specification	API CI-4, ACEA E7
Engine type	Diesels 4 strokes-cycle	Total oil capacity	166,6 liters
Injection	Direct	Total coolant capacity	270 liters (engine)
Cylinders arrangement	18-V	Air filters	Dry
Displacement	77,6 liters	Auxiliary voltage	24 Vdc
		Battery n° and capacity	4 x 220 Ah

AIR SYSTEM

Combustion Air Flow	3105 l/sec
Cooling Air Flow	N.A.

EXHAUST SYSTEM

Maximum allowed back pressure	6,8 kPa
Exhaust Gas Flow	6924 l/sec
Exhaust Gas Temperature	422 °C



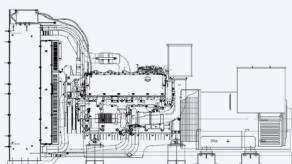
OPEN TYPE

FUEL SYSTEM

Recommended fuel				
Fuel consumption at load percentage	100%			
PRP	N.A.			

ALTERNATOR DATA

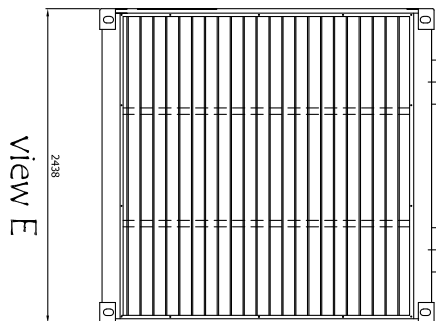
Number of poles	4
Bearing	Single
Insulation	H
Winding connections	Star series/Star parallel
Protection rating	IP23
Excitation	Self excited
Voltage regulator	A.V.R. (electronic)



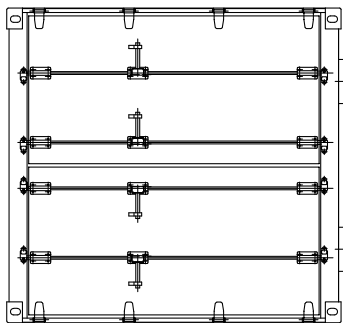


DIMENSION AND DRAWING

SUPER SILENT

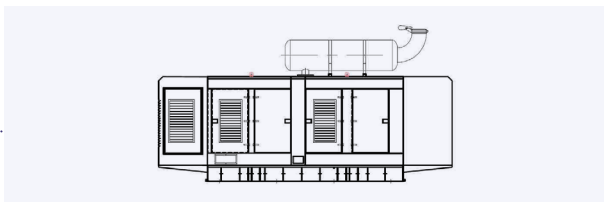
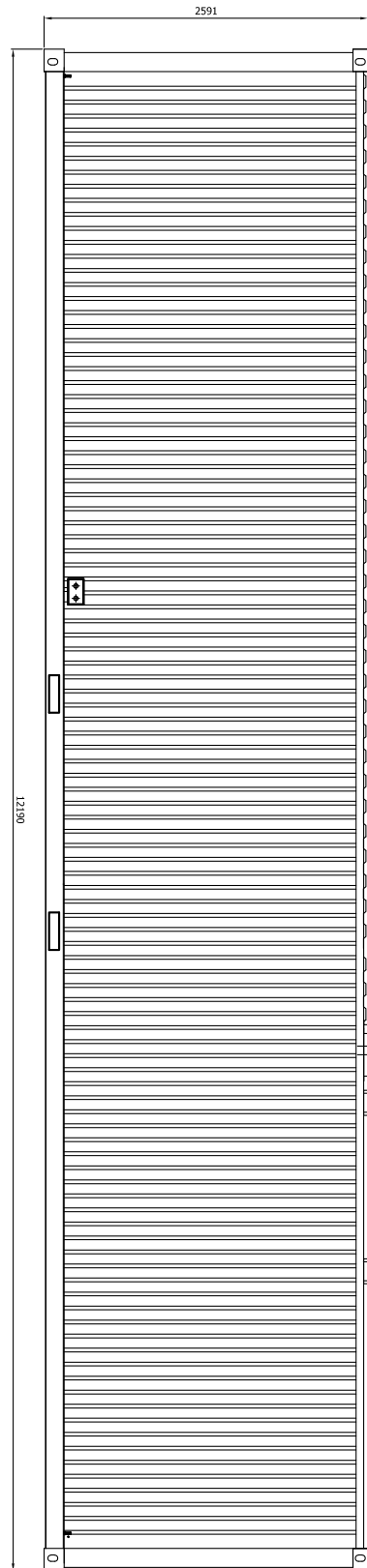


view E



view O

view N



Dimension and drawing reported on the pictures above may vary. Pictures are reported only for illustration purposes and refer to standard installation.



SUPER SILENT

COLOURS

All our soundproof parts, are manufactured with galvanize material coated with powder paint



Wide choice of colours and RAL:

RAL 9010



Standard White

RAL 9005



Black

RAL 1023



Yellow

RAL 6037



Green

RAL 3020



Red

RAL 5017



Blue

RAL 7033



Cement Grey

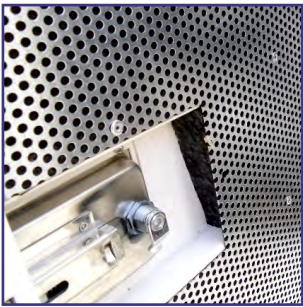
RAL 8004



Brown Rust

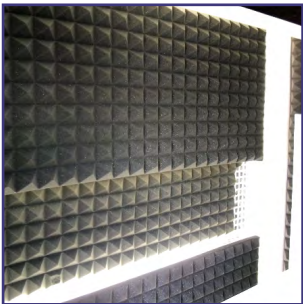
SUPER SILENT

SOUNDPROOF CANOPY PLUS:



Internal doors side with holed metal sheet
For noise containment and limitation

Lockable doors with keys
For safety increasing



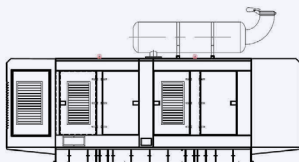
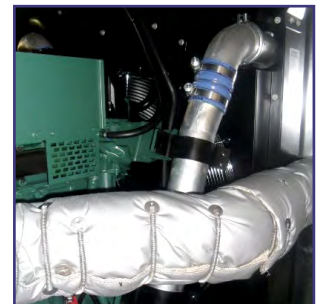
Soundproof materials



Large maintenance area and extensive level of customization possible on canopy size
Very simple access to the maintenance points



Stone wool insulations
For the hottest surfaces protection



SUPER SILENT

SOUNDPROOF:

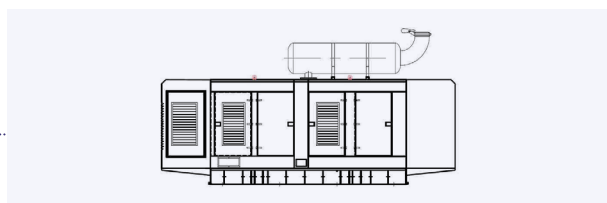
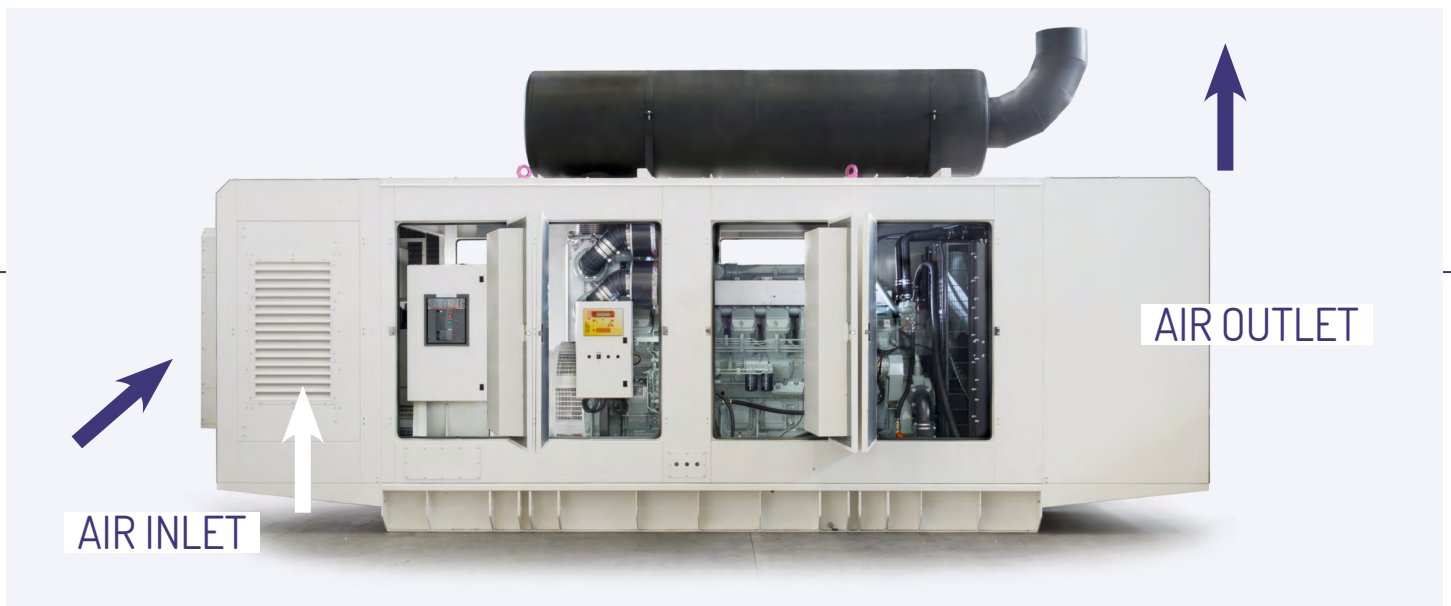


Lifted generator,
ready to deliver



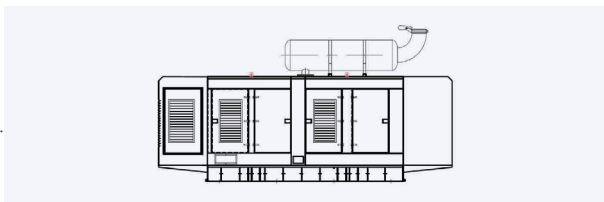
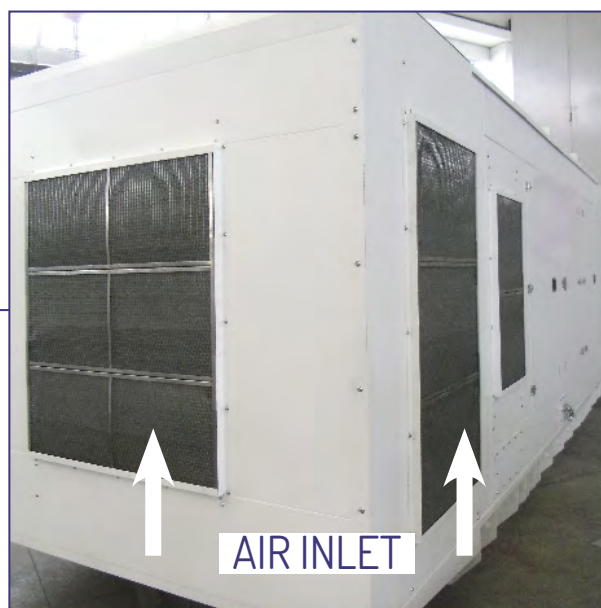
All our soundproof canopies,
have one or more lifting
points that allow a very
simple lifting operation

All our soundproof canopies, present air inlets outlets that may be placed in a variety of locations depending on the requirements





SUPER SILENT

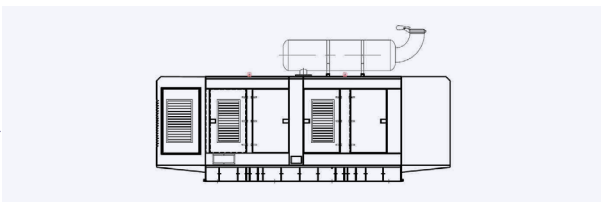
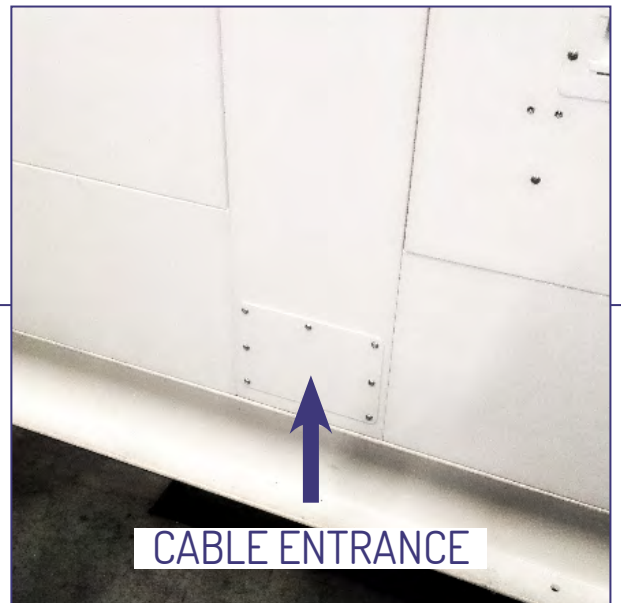
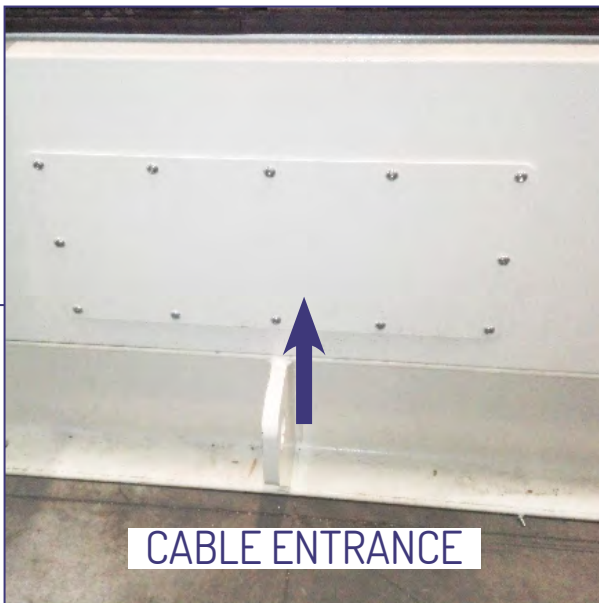


SUPER SILENT

In all soundproof canopies, there are predispositions for external fuel tank

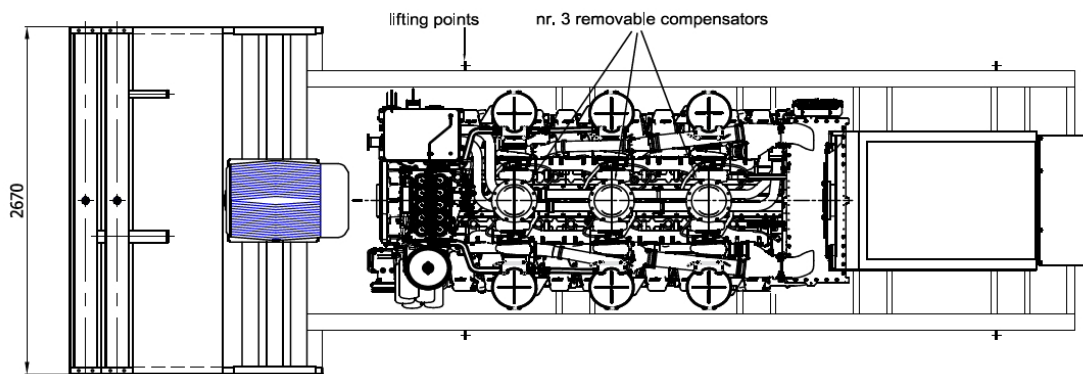
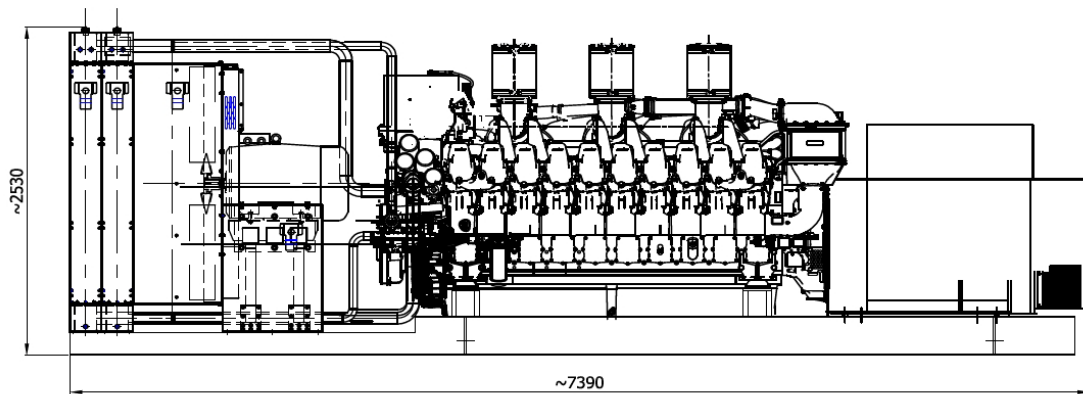


and for customers cable entrance



DIMENSION AND DRAWING

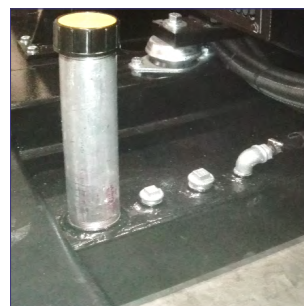
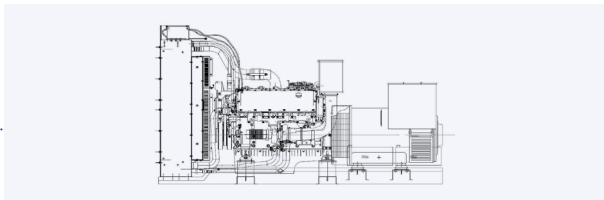
OPEN TYPE



Weight of the generating sets, vary in function of the equipment. The correct weight can be calculated only when the order supply is defined.

Daily tank, if provided, is situated into the generating set base and is equipped with precision fuel level sensor and any other required sensor. Daily tank is provided with many connection predispositions

Daily tank form and size are perfectly customizable to meet customer needs

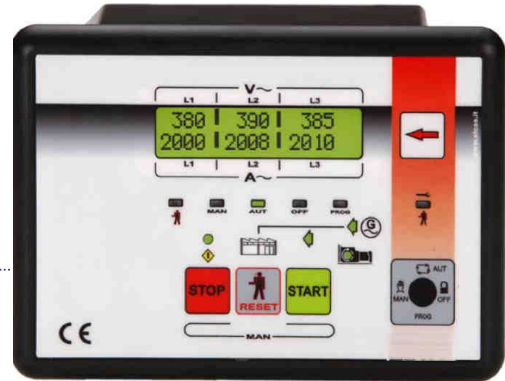


CONTROL PANEL

6000S

SERIES

Auto start modules: used to control, operate the genset and engages the generator contactor.

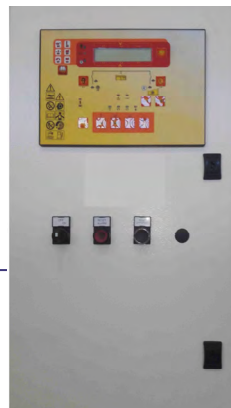


Control unit CAM120

7000S

SERIES

Auto start and auto mains failure control modules: automatic emergency intervention control units. They commands the mains and generator contactors to supply the user.



Control unit CAM684, CAM 685

CONTROL PANEL

7100S

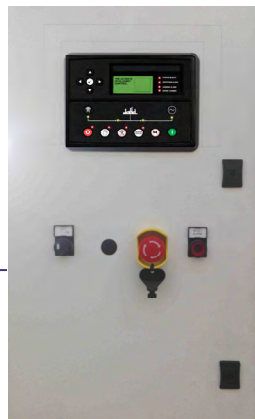
SERIES



Control unit IntelliLite AMF25

7200S

SERIES



Control unit DSE7320MKII

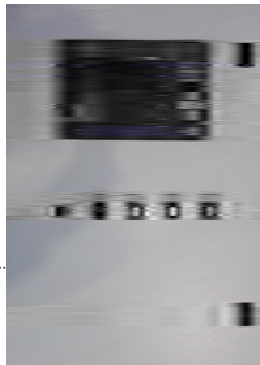
CONTROL PANEL

8000S 8100S

SERIES

[genset parallels and
parallel to mains]

**Synchronising auto
start load share control
module:** control units
used to manage the
parallel to mains and the
multi parallel gensets.



The CPU is installed into
the control panel and the
customers interface, is
made by a graphic colour
display.

Genset control board
Inteligen or Intelisys



+

Intelivision 5 display



Intelivision 8 display





STANDARD AND OPTIONAL FEATURES

- Power panel with automatic circuit breaker
 - Electrical power wirings between circuit breaker and alternator
 - Engine preheating system
 - Alternator preheating system
 - Fuel preheating system
 - Fuel tank
 - Fuel level probe
-
- Fuel automatic load pump
 - Emergency stop button
 - Differential relay
 - Oil extraction pump
 - Reinforced lifting points
 - Alarms system
 - Exhaust gas system silencer
 - Antivibration shock absorber
 - Others kit or optional features established during order
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