

ORION G550SS-M5

50Hz@1500RPM 400/230V 3PH

GENMAC
POWER PRODUCTS

Engine general data

Engine brand	SCANIA
Model	DC16 093A 02 52
PRP Power kW	486.00
LTP Power kW	535.00
Fuel	Diesel
Nr. cylinders	8
Air intake	Turbo intercooler
Cooling	Water
Cubic capacity l.	16.40
Speed regulation	Electronic
Performance Class - steady state regulator accuracy +/- %	G3 - -
Load Step G1 - KWe	-
Load Step G2 - KWe	-
Load Step G3 - KWe	-
Voltage VDC	24
Emissions	-

Fuel consumption

Consumption 25% l./h	-
Consumption 50% l./h	57.10
Consumption 75% l./h	83.40
Consumption 100% l./h	111.30
Autonomy at 75% of load h.	≈ 11 h

Engine liquids and equipment

Type of lubricant	Oil SAE 15W40
Lubrication capacity l.*	48.00
Type of coolant	Antifreeze liquid
Coolant capacity l.*	68.00
Air intake filter	Paper cartridge
Battery capacity Ah	120
Number of batteries*	2

Alternator general data

Alternator brand	Stamford
Model	HCI544D
Type of excitation	Self-excited
Type of regulation	AVR
Regulator precision +/-%	1.00

Structure data

Type of structure	ORION
Tank capacity l.	950
Retention basin	yes
Exhaust diameter mm	168

Fuel system and energy balance

AC pump suction head kPa	4
Combustion air flow volume LTP m3/min	31.50
Cooling air capacity LTP m3/min	784.00
Exhaust gas flow-density LTP m3/min	94.40
Exhaust gas temperature LTP °C	501.00
Brake mean effective pressure kPa	10.00
Energy to exhaust LTP kWt	374.00
Energy to coolant LTP kWt	177.00
Energy to radiation LTP kWt	50.00

Control panel features

QTVA-AMF25

- Self-standing tower with metal box
- Circuit breaker
- AMF controller ComAp AMF25
- Voltmeter, Frequncymeter, Ammeter
- Generator power (kW, kV Ar, kV A & pf) monitoring
- Hour meter
- Fuel level meter
- Overload (kW & kV Ar) protection
- Low oil pressure protection
- High coolant temperature protection
- Low fuel level protection
- Battery charger alternator fault
- Rpm protection
- Emergency stop button
- Audible alarm
- Terminal board for ATS connection
- RS232 & RS485 Port
- Can Bus reading Port (if standard on the engine)
- Battery charger
- On/off switch



Dealer