

PRAMAC GSW 450V ALTS Soundproof

Main features

Standby : **360 kW**
power LTP
Rated prime : **327 kW**
power (PRP)
Rated : **kW**
continuous
power (COP)
Phases : **3**
Voltage : **400 V**
Frequency : **50 Hz**
Engine : **Volvo**
manufacturer
Fuel : **Diesel**
Speed : **Electronic**
governor



GSW 275-590 Series

Low noise emissions (conforming to directive 2000/14/EC, related to environmental noise emissions), conformity to gas emission laws and high security (lockable panels, fireproof canopy) make these sets ideal for any public or industrial application, such as hospitals, supermarkets, factories.

(purely indicative picture)

Technical specifications

Main specifications

Type	Canopied
Standby power LTP	450 kVA
Standby power LTP	360 kW
Rated prime power (PRP)	409 kVA
Rated prime power (PRP)	327 kW
Rated continuous power (COP)	n.a.
Rated continuous power (COP)	n.a.
Phases	3
Voltage	400 V
Frequency	50 Hz
Battery charger current	5 A
Circuit breaker	630
Ratio	1,03

Engine specifications

Engine manufacturer	Volvo
Model	TAD1242GE
Stroke	4, diesel
Fuel	Diesel
Number of cylinders and disposition	6, inline
Displacement	12130 cm ³
Air intake	Turbocharged, intercooled
Starting system	Electric
Nominal operating speed	1500 rpm
Speed governor	Electronic
SAE	1
Flywheel	14 inches
Continuous power COP	n.a.
Prime power PRP	352 kW
Standby power LTP	387 kW
Lube oil capacity	35 l
Coolant capacity	44 l
Fuel consumption at 100% PRP	83 l/h
Fuel consumption at 75% PRP	63 l/h
Maximum lube oil consumption at PRP	0,14 %
Electric circuit voltage	24 V
Engine derating	1,0
Air-to-air intercooler	Yes
Air-to-water intercooler	No
Cooling fan	Mechanical

Alternator specifications

Alternator manufacturer	Stamford
Model	HCI444F
Poles	4
Revolution speed	1500 rpm
Voltage	400 V
Frequency	50 Hz
Continuous nominal power at 40°C - COP	400 kVA
Continuous nominal power at 27°C - PRP	430 kVA
Standby power at 27 °C - LTP	450 kVA
Continuous active power at 27°C - PRP	344 kW
Efficiency at 75% load	93,4 %
Efficiency at 100% load	93 %
Maximum admitted overload	10% for 1 hour every 12 hours of running time S2
Voltage regulation system	Electronic
Alternator derating	1,0
Protection grade	IP 23

Additional information

Fuel tank location	Internal
Fuel tank capacity	636 l
Fuel tank capacity before low fuel level alarm	578 l

Optional extended fuel tank capacity	n.a.
Real extended fuel tank capacity	n.a.
Minimum leak proof tray capacity	715 l
Running time at 100% PRP	7,63 h
Running time at 75% PRP	10 h
Running time at 75% PRP before low fuel level alarm	9 h
Real running time at 100% PRP before low fuel level alarm	n.a.
Running time at PRP (extended tank)	n.a.
Real running time at 100% PRP before engine stop (extended tank)	n.a.
Measured acoustic power (LWA) at 10 mt	97,5 dBA
Noise level at 7 m	72,5 dBA
Guaranteed noise level (LWA)	98 dBA
EC Declaration of Conformity	Yes
Declaration of incorporation	No

Dimensional data

Length	3950 mm
Width	1460 mm
Height	2095 mm
Dry weight	3791 kg