

# PRAMAC GSW 330V ALTM Soundproof



(purely indicative picture)

## Main features

Standby power LTP : 264 kW  
Rated prime power (PRP) : 252 kW  
Rated continuous power (COP) : kW  
Phases : 3  
Voltage : 400 V  
Frequency : 50 Hz  
Engine manufacturer : Volvo  
Fuel : Diesel  
Speed governor : Electronic

## 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.

## Technical specifications

### Main specifications

|                              |          |
|------------------------------|----------|
| Type                         | Canopied |
| Standby power LTP            | 330 kVA  |
| Standby power LTP            | 264 kW   |
| Rated prime power (PRP)      | 315 kVA  |
| Rated prime power (PRP)      | 252 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              | 500      |
| Ratio                        | 0,95     |

### Engine specifications

|                                     |                           |
|-------------------------------------|---------------------------|
| Engine manufacturer                 | Volvo                     |
| Model                               | TAD941GE                  |
| Stroke                              | 4, diesel                 |
| Fuel                                | Diesel                    |
| Number of cylinders and disposition | 6, inline                 |
| Displacement                        | 9360 cm <sup>3</sup>      |
| 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                     | 290 kW                    |
| Standby power LTP                   | 320 kW                    |
| Lube oil capacity                   | 35 l                      |
| Coolant capacity                    | 41 l                      |
| Fuel consumption at 100% PRP        | 65 l/h                    |
| Fuel consumption at 75% PRP         | 48 l/h                    |
| Maximum lube oil consumption at PRP | 0,08 %                    |
| 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                | MeccAlte                                         |
| Model                                  | ECO 38 2L N4                                     |
| Poles                                  | 4                                                |
| Revolution speed                       | 1500 rpm                                         |
| Voltage                                | 400 V                                            |
| Frequency                              | 50 Hz                                            |
| Continuous nominal power at 40°C - COP | 315 kVA                                          |
| Continuous nominal power at 27°C - PRP | 315 kVA                                          |
| Standby power at 27 °C - LTP           | 330 kVA                                          |
| Continuous active power at 27°C - PRP  | 252 kW                                           |
| Efficiency at 75% load                 | 94,1 %                                           |
| Efficiency at 100% load                | 93,8 %                                           |
| 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 21                                            |

#### 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                                 | 712 l    |
| Running time at 100% PRP                                         | 9,84 h   |
| Running time at 75% PRP                                          | 13 h     |
| Running time at 75% PRP before low fuel level alarm              | 12 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                           | 96,5 dBA |
| Noise level at 7 m                                               | 71,5 dBA |
| Guaranteed noise level (LWA)                                     | 97 dBA   |
| EC Declaration of Conformity                                     | Yes      |
| Declaration of incorporation                                     | No       |

### Dimensional data

|            |         |
|------------|---------|
| Length     | 3950 mm |
| Width      | 1460 mm |
| Height     | 2095 mm |
| Dry weight | 3200 kg |

### Installation data

|                                             |                          |
|---------------------------------------------|--------------------------|
| Cooling fan air flow rate                   | n.a.                     |
| Combustion air flow at PRP                  | 17,7 m <sup>3</sup> /min |
| Exhaust gas flow at PRP                     | 46,5 m <sup>3</sup> /min |
| Exhaust gas temperature at LTP              | 539 °C                   |
| Exhaust pipe diameter                       | n.a.                     |
| Maximum admitted total exhaust backpressure | 100 mbar                 |