

# GPS550B

Baudouin diesel generator | Open set

Designed and manufactured in the United Kingdom

## 550 kVA

ROUNDED CATALOGUE CLASS

### ENGINE PLATFORM

## Baudouin

### 6M21G8D0/S

Model-specific drawing supplied with quotation.

### SELECTED CONFIGURATION

#### ENGINE

**Baudouin 6M21G8D0/S**

#### ALTERNATOR

**Leroy Somer TAL0473C**

#### ELECTRICAL OUTPUT

**400 V | 3-phase | 50 Hz**

Configuration and appearance are confirmed with the quotation.

### PRIME POWER / PRP

## 500 kVA

400 kW

### STANDBY POWER / ESP

## 550 kVA

440 kW

Ratings shown at 400 V, 3-phase, 50 Hz. The GPS model number is a rounded class; use the exact ratings for selection.

### PUBLISHED ELECTRICAL RATINGS

| Voltage (V) | Connection | ESP (kVA) | ESP (kW) | PRP (kVA) | PRP (kW) |
|-------------|------------|-----------|----------|-----------|----------|
| 400         | SS         | 550       | 440      | 500       | 400      |

PRP = prime power. ESP = emergency standby power. Values apply to the selected engine and alternator above. Connection codes follow the reference specification and must be confirmed before installation.

# Technical specification

GPS550B | Baudouin 6M21G8D0/S | Open set

## ENGINE

|                   |                  |
|-------------------|------------------|
| Manufacturer      | Baudouin         |
| Model             | 6M21G8D0/S       |
| Aspiration        | Turbocharged     |
| Combustion        | Direct Injection |
| Cycle             | 4 Stroke         |
| Governor          | ECU              |
| Cylinders         | 6                |
| Arrangement       | In Line          |
| Displacement      | 12.54L           |
| Bore              | 127mm            |
| Stroke            | 165mm            |
| Compression ratio | 16:1             |
| Cooling           | Liquid Cooled    |
| Coolant capacity  | 62L              |
| Oil capacity      | 40L              |

## ALTERNATOR

|                    |                  |
|--------------------|------------------|
| Manufacturer       | Leroy Somer      |
| Model              | TAL0473C         |
| Type               | Brushless        |
| Phases             | 3                |
| Bearings           | 1                |
| Poles              | 4                |
| Leads              | 6                |
| AVR                | R150             |
| Voltage regulation | 1.0% Regulation% |
| Insulation class   | H                |
| Excitation         | Brushless        |
| Winding            | 6S               |
| Harmonic content   | <5.00%           |
| Short circuit      | >300%            |

## REFERENCE FUEL CONSUMPTION

|                                  |                                    |                                      |                                      |
|----------------------------------|------------------------------------|--------------------------------------|--------------------------------------|
| <b>50% LOAD</b><br><b>51 L/h</b> | <b>75% LOAD</b><br><b>75.3 L/h</b> | <b>100% LOAD</b><br><b>109.5 L/h</b> | <b>110% LOAD</b><br><b>123.1 L/h</b> |
|----------------------------------|------------------------------------|--------------------------------------|--------------------------------------|

Reference figures vary with operating conditions and the confirmed duty.

## INSTALLATION INFORMATION

|                                              |                                  |
|----------------------------------------------|----------------------------------|
| <b>REFERENCE WEIGHT</b><br><b>2970.85 kg</b> | <b>FUEL TANK</b><br><b>590 L</b> |
|----------------------------------------------|----------------------------------|

Reference frame 9090GA (UK/EU). Drawing, weights and tank capacity are subject to the ordered build.

## SPECIFY YOUR PROJECT

Tell us your site load, required voltage and phase, prime or standby duty, ambient conditions and installation requirements. GenPro will confirm a suitable build and its exact specification.

Final enclosure, controls, protection, acoustics and emissions suitability must be specified for the project. This sheet is a configuration guide, not an installation drawing.

GenPro technical specification | Reviewed 2026-10-12