

# GPS500BS

Baudouin diesel generator | Acoustic canopied

**Designed and manufactured in the United Kingdom**

## 500 kVA

ROUNDED CATALOGUE CLASS



Representative GenPro enclosure; final build may vary.

### SELECTED CONFIGURATION

ENGINE

**Baudouin 6M21G500/5**

ALTERNATOR

**Stamford S4L1D-G41**

ELECTRICAL OUTPUT

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

PRIME POWER / PRP

## 450 kVA

360 kW

STANDBY POWER / ESP

## 495 kVA

396 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) |
|-------------|------------|-----------|----------|-----------|----------|
| 190         | PS         | 475       | 380      | 430       | 344      |
| 200         | PS         | 495       | 396      | 450       | 360      |
| 208         | PS         | 496       | 397      | 450       | 360      |
| 220         | PS         | 475       | 380      | 430       | 344      |
| 220         | SD         | 475       | 380      | 430       | 344      |
| 230         | SD         | 495       | 396      | 450       | 360      |
| 240         | SD         | 496       | 397      | 450       | 360      |
| 254         | SD         | 475       | 380      | 430       | 344      |
| 380         | SS         | 475       | 380      | 430       | 344      |
| 400         | SS         | 495       | 396      | 450       | 360      |
| 415         | SS         | 496       | 397      | 450       | 360      |
| 440         | SS         | 475       | 380      | 430       | 344      |

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

GPS500BS | Baudouin 6M21G500/5 | Acoustic canopied

## ENGINE

|                   |                  |
|-------------------|------------------|
| Manufacturer      | Baudouin         |
| Model             | 6M21G500/5       |
| 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  | 47L              |
| Oil capacity      | 40L              |

## ALTERNATOR

|                    |              |
|--------------------|--------------|
| Manufacturer       | Stamford     |
| Model              | S4L1D-G41    |
| Type               | Brushless    |
| Phases             | 3            |
| Bearings           | 1            |
| Poles              | 4            |
| Leads              | 12           |
| AVR                | AS440        |
| Voltage regulation | 1%           |
| Insulation class   | H            |
| Excitation         | Self Excited |
| Winding            | 311          |
| Harmonic content   | <5.00%       |
| Short circuit      | >300%        |

## REFERENCE FUEL CONSUMPTION

|                             |                             |                              |                               |
|-----------------------------|-----------------------------|------------------------------|-------------------------------|
| 50% LOAD<br><b>46.6 L/h</b> | 75% LOAD<br><b>69.6 L/h</b> | 100% LOAD<br><b>95.9 L/h</b> | 110% LOAD<br><b>110.1 L/h</b> |
|-----------------------------|-----------------------------|------------------------------|-------------------------------|

Reference figures vary with operating conditions and the confirmed duty.

## INSTALLATION INFORMATION

|                                             |                                    |                           |
|---------------------------------------------|------------------------------------|---------------------------|
| L x W x H (mm)<br><b>4108 x 1508 x 2384</b> | REFERENCE WEIGHT<br><b>3785 kg</b> | FUEL TANK<br><b>500 L</b> |
|---------------------------------------------|------------------------------------|---------------------------|

Reference frame 2900EX (UK/EU). Drawing, weights and tank capacity are subject to the ordered build.

## OTHER CONFIGURATIONS IN THIS CATALOGUE CLASS

| Engine     | Alternator           | V / phase | ESP kVA | PRP kVA |
|------------|----------------------|-----------|---------|---------|
| 6M21G500/5 | Leroy Somer TAL0473B | 400 / 3   | 500     | 455     |

Engineering data above apply only to the selected configuration on page 1.

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