

# GPS220BS

Baudouin diesel generator | Acoustic canopied

**Designed and manufactured in the United Kingdom**

## 220 kVA

ROUNDED CATALOGUE CLASS



Representative GenPro enclosure; final build may vary.

### SELECTED CONFIGURATION

ENGINE

**Baudouin 6M16G2D0/S**

ALTERNATOR

**Stamford UCI274H1**

ELECTRICAL OUTPUT

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

PRIME POWER / PRP

## 200 kVA

160 kW

STANDBY POWER / ESP

## 220 kVA

176 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         | 220       | 176      | 200       | 160      |
| 200         | PS         | 220       | 176      | 200       | 160      |
| 208         | PS         | 220       | 176      | 200       | 160      |
| 220         | SD         | 220       | 176      | 200       | 160      |
| 230         | SD         | 220       | 176      | 200       | 160      |
| 240         | SD         | 220       | 176      | 200       | 160      |
| 380         | SS         | 220       | 176      | 200       | 160      |
| 400         | SS         | 220       | 176      | 200       | 160      |
| 415         | SS         | 220       | 176      | 200       | 160      |

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

GPS220BS | Baudouin 6M16G2D0/S | Acoustic canopied

## ENGINE

|                   |                  |
|-------------------|------------------|
| Manufacturer      | Baudouin         |
| Model             | 6M16G2D0/S       |
| Aspiration        | Turbocharged     |
| Combustion        | Direct Injection |
| Cycle             | 4 Stroke         |
| Governor          | Electronic       |
| Cylinders         | 6                |
| Arrangement       | In Line          |
| Displacement      | 9.726L           |
| Bore              | 126mm            |
| Stroke            | 130mm            |
| Compression ratio | 17:1             |
| Cooling           | Liquid Cooled    |
| Coolant capacity  | 42L              |
| Oil capacity      | 30L              |

## ALTERNATOR

|                    |              |
|--------------------|--------------|
| Manufacturer       | Stamford     |
| Model              | UCI274H1     |
| 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>22.4 L/h</b> | 75% LOAD<br><b>32.4 L/h</b> | 100% LOAD<br><b>43.1 L/h</b> | 110% LOAD<br><b>46.9 L/h</b> |
|-----------------------------|-----------------------------|------------------------------|------------------------------|

Reference figures vary with operating conditions and the confirmed duty.

## INSTALLATION INFORMATION

|                           |                   |              |
|---------------------------|-------------------|--------------|
| L x W x H (mm)            | REFERENCE WEIGHT  | FUEL TANK    |
| <b>3958 x 1504 x 2384</b> | <b>3020.75 kg</b> | <b>500 L</b> |

Reference frame 2900E (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 |
|------------|---------------------|-----------|---------|---------|
| 6M16G2D0/S | KWise C274G160      | 400 / 3   | 220     | 200     |
| 6M16G2D0/S | Leroy Somer TAL044M | 400 / 3   | 220     | 200     |

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