



# PPG580CS

Cummins diesel generator | Acoustic canopied

Designed and manufactured in the United Kingdom

## 580 kVA

ROUNDED CATALOGUE CLASS

### ENGINE PLATFORM

# Cummins

## QSZ13G10

Model-specific drawing supplied with quotation.

### SELECTED CONFIGURATION

#### ENGINE

**Cummins QSZ13G10**

#### ALTERNATOR

**Stamford S5L1D-D41**

#### ELECTRICAL OUTPUT

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

Configuration and appearance are confirmed with the quotation.

### PRIME POWER / PRP

# 529 kVA

423 kW

### STANDBY POWER / ESP

# 581 kVA

465 kW

Ratings shown at 400 V, 3-phase, 50 Hz. The PPG 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) |
|-------------|------------|-----------|----------|-----------|----------|
| 380         | SS         | 550       | 440      | 500       | 400      |
| 400         | SS         | 581       | 465      | 529       | 423      |
| 415         | 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

PPG580CS | Cummins **QSZ13G10** | Acoustic canopied

## ENGINE

|                   |                  |
|-------------------|------------------|
| Manufacturer      | Cummins          |
| Model             | <b>QSZ13G10</b>  |
| Aspiration        | Turbocharged     |
| Combustion        | Direct Injection |
| Cycle             | 4 Stroke         |
| Governor          | Electronic       |
| Cylinders         | 6                |
| Arrangement       | In Line          |
| Displacement      | 18.9L            |
| Bore              | 159mm            |
| Stroke            | 159mm            |
| Compression ratio | 17:1             |
| Cooling           | Liquid Cooled    |
| Coolant capacity  | 77.1L            |
| Oil capacity      | 78L              |

## ALTERNATOR

|                    |                  |
|--------------------|------------------|
| Manufacturer       | Stamford         |
| Model              | <b>S5L1D-D41</b> |
| Type               | Brushless        |
| Phases             | 3                |
| Bearings           | 1                |
| Poles              | 4                |
| Leads              | 12               |
| AVR                | <b>AS440</b>     |
| Voltage regulation | 1.0% Regulation% |
| Insulation class   | H                |
| Excitation         | Brushless        |
| Winding            | 311              |
| Harmonic content   | <5.00%           |
| Short circuit      | >300%            |

## REFERENCE FUEL CONSUMPTION

|                                  |                                  |                                    |                                    |
|----------------------------------|----------------------------------|------------------------------------|------------------------------------|
| <b>50% LOAD</b><br><b>54 L/h</b> | <b>75% LOAD</b><br><b>80 L/h</b> | <b>100% LOAD</b><br><b>107 L/h</b> | <b>110% LOAD</b><br><b>118 L/h</b> |
|----------------------------------|----------------------------------|------------------------------------|------------------------------------|

Reference figures vary with operating conditions and the confirmed duty.

## INSTALLATION INFORMATION

Dimensions, weight, fuel tank and model-specific drawing are confirmed with the quotation.

No complete matching frame data is published for this selected configuration.

## SPECIFY YOUR PROJECT

Tell us your site load, required voltage and phase, prime or standby duty, ambient conditions and installation requirements. PPG 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.

PPG technical specification | Reviewed 2026-10-12