# PPG1800CS

## 1800 kVA

ROUNDED CATALOGUE CLASS

Cummins diesel generator | Acoustic canopied

**Designed and manufactured in the United Kingdom**

ENGINE PLATFORM

**Cummins**

**QSK50G7**

Model-specific drawing supplied with quotation.

Configuration and appearance are confirmed with the quotation.

### SELECTED CONFIGURATION

ENGINE

**Cummins QSK50G7**

ALTERNATOR

**Stamford S7L1D-F41**

ELECTRICAL OUTPUT

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

**PRIME POWER / PRP**

**1647 kVA** 1318 kW

**STANDBY POWER / ESP**

**1818 kVA** 1454 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 | 1818 | 1454 | 1646 | 1317 |
| 400 | SS | 1818 | 1454 | 1647 | 1318 |

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.



Perkins Power Generators is a trading name of GenPro Power Solutions.
Exact build, performance and delivery scope are confirmed in the quotation.

# Technical specification

**PPG1800CS** | Cummins **QSK50G7** | Acoustic canopied

## ENGINE

| | |
|---|---|
| Manufacturer | Cummins |
| Model | **QSK50G7** |
| Aspiration | Turbocharged |
| Combustion | Direct Injection |
| Cycle | 4 Stroke |
| Governor | Electronic |
| Cylinders | 16 |
| Arrangement | At Vee |
| Displacement | 50.3L |
| Bore | 159mm |
| Stroke | 159mm |
| Compression ratio | 15.0:1 |
| Cooling | Liquid Cooled |
| Coolant capacity | 468.1L |
| Oil capacity | 234.7L |

## ALTERNATOR

| | |
|---|---|
| Manufacturer | Stamford |
| Model | **S7L1D-F41** |
| Type | Brushless |
| Phases | 3 |
| Bearings | 1 |
| Poles | 4 |
| Leads | 6 |
| AVR | **MX341** |
| Voltage regulation | 1% |
| Insulation class | H |
| Excitation | PMG |
| Winding | 312 |
| Harmonic content | <5.00% |
| Short circuit | >300% |

## REFERENCE FUEL CONSUMPTION

| 50% LOAD | 75% LOAD | 100% LOAD | 110% LOAD |
|---|---|---|---|
| **190 L/h** | **265 L/h** | **341 L/h** | **380 L/h** |

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


Perkins Power Generators is a trading name of GenPro Power Solutions.
Exact build, performance and delivery scope are confirmed in the quotation.