



# PPG860P

Perkins diesel generator | Open set

Designed and manufactured in the United Kingdom

## 860 kVA

ROUNDED CATALOGUE CLASS

### ENGINE PLATFORM

# Perkins

## 4006-23TAG3A

Model-specific drawing supplied with quotation.

### SELECTED CONFIGURATION

#### ENGINE

**Perkins 4006-23TAG3A**

#### ALTERNATOR

**Stamford S6L1D-C41**

#### ELECTRICAL OUTPUT

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

Configuration and appearance are confirmed with the quotation.

### PRIME POWER / PRP

# 797 kVA

638 kW

### STANDBY POWER / ESP

# 860 kVA

688 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         | 850       | 680      | 796       | 637      |
| 400         | SS         | 860       | 688      | 797       | 638      |

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

PPG860P | Perkins 4006-23TAG3A | Open set

## ENGINE

|                   |                     |
|-------------------|---------------------|
| Manufacturer      | Perkins             |
| Model             | <b>4006-23TAG3A</b> |
| Aspiration        | Turbocharged        |
| Combustion        | Direct Injection    |
| Cycle             | 4 Stroke            |
| Governor          | Electronic          |
| Cylinders         | 6                   |
| Arrangement       | In Line             |
| Displacement      | 22.92L              |
| Bore              | 160mm               |
| Stroke            | 195mm               |
| Compression ratio | 13.6:1              |
| Cooling           | Liquid Cooled       |
| Coolant capacity  | 120L                |
| Oil capacity      | 113L                |

## ALTERNATOR

|                    |                  |
|--------------------|------------------|
| Manufacturer       | Stamford         |
| Model              | <b>S6L1D-C41</b> |
| Type               | Brushless        |
| Phases             | 3                |
| Bearings           | 1                |
| Poles              | 4                |
| Leads              | 6                |
| AVR                | <b>MX321</b>     |
| Voltage regulation | 0.5%             |
| Insulation class   | H                |
| Excitation         | PMG              |
| Winding            | 312              |
| Harmonic content   | <5.00%           |
| Short circuit      | >300%            |

## REFERENCE FUEL CONSUMPTION

|                                  |                                   |                                    |                                    |
|----------------------------------|-----------------------------------|------------------------------------|------------------------------------|
| <b>50% LOAD</b><br><b>91 L/h</b> | <b>75% LOAD</b><br><b>131 L/h</b> | <b>100% LOAD</b><br><b>172 L/h</b> | <b>110% LOAD</b><br><b>193 L/h</b> |
|----------------------------------|-----------------------------------|------------------------------------|------------------------------------|

Reference figures vary with operating conditions and the confirmed duty.

## INSTALLATION INFORMATION

|                                                    |                                              |
|----------------------------------------------------|----------------------------------------------|
| <b>L x W x H (mm)</b><br><b>4000 x 1690 x 2425</b> | <b>REFERENCE WEIGHT</b><br><b>5253.15 kg</b> |
|----------------------------------------------------|----------------------------------------------|

Reference frame GenericPerkins4000 (Export). 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. 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