



# PPG890P

Perkins diesel generator | Open set

Designed and manufactured in the United Kingdom

## 890 kVA

ROUNDED CATALOGUE CLASS

### ENGINE PLATFORM

# Perkins

## 4006-23TAG3A

Model-specific drawing supplied with quotation.

### SELECTED CONFIGURATION

#### ENGINE

**Perkins 4006-23TAG3A**

#### ALTERNATOR

**Leroy Somer TAL049C**

#### ELECTRICAL OUTPUT

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

Configuration and appearance are confirmed with the quotation.

### PRIME POWER / PRP

# 799 kVA

639 kW

### STANDBY POWER / ESP

# 893 kVA

714 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) |
|-------------|------------|-----------|----------|-----------|----------|
| 400         | SS         | 893       | 714      | 799       | 639      |

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

PPG890P | Perkins 4006-23TAG3A | Open set

## ENGINE

|                   |                  |
|-------------------|------------------|
| Manufacturer      | Perkins          |
| Model             | 4006-23TAG3A     |
| 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       | Leroy Somer  |
| Model              | TAL049C      |
| Type               | Brushless    |
| Phases             | 3            |
| Bearings           | 1            |
| Poles              | 4            |
| Leads              | 6            |
| AVR                | R150         |
| Voltage regulation | 1%           |
| Insulation class   | H            |
| Excitation         | Self Excited |
| Winding            | 6S           |
| Harmonic content   | <5.00%       |
| Short circuit      | >300%        |

## REFERENCE FUEL CONSUMPTION

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

Reference figures vary with operating conditions and the confirmed duty.

## INSTALLATION INFORMATION

|                                             |                                       |
|---------------------------------------------|---------------------------------------|
| L x W x H (mm)<br><b>4000 x 1690 x 2425</b> | REFERENCE WEIGHT<br><b>4991.15 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