# PPG2500P

## 2500 kVA

ROUNDED CATALOGUE CLASS

Perkins diesel generator | Open set

**Designed and manufactured in the United Kingdom**

ENGINE PLATFORM

**Perkins**

**4016-61TRG3X**

Model-specific drawing supplied with quotation.

Configuration and appearance are confirmed with the quotation.

### SELECTED CONFIGURATION

ENGINE

**Perkins 4016-61TRG3X**

ALTERNATOR

**Stamford S7L1D-J41**

ELECTRICAL OUTPUT

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

PRIME POWER / PRP

**2500 kVA** 2000 kW

STANDBY POWER / ESP

**Confirm on enquiry**

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 | Confirm | Confirm | 2425 | 1940 |
| 400 | SS | Confirm | Confirm | 2500 | 2000 |

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. Confirm = no published value; confirm on enquiry.



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

# Technical specification

**PPG2500P** | Perkins **4016-61TRG3X** | Open set

## ENGINE

| | |
|---|---|
| Manufacturer | Perkins |
| Model | **4016-61TRG3X** |
| Aspiration | Turbocharged |
| Combustion | Direct Injection |
| Cycle | 4 Stroke |
| Governor | Electronic |
| Cylinders | 16 |
| Arrangement | At Vee |
| Displacement | 61.12L |
| Bore | 160mm |
| Stroke | 190mm |
| Compression ratio | 12.8:1 |
| Cooling | Liquid Cooled |
| Coolant capacity | 502L |
| Oil capacity | 213L |

## ALTERNATOR

| | |
|---|---|
| Manufacturer | Stamford |
| Model | **S7L1D-J41** |
| 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 |
|---|---|---|---|
| **259.4 L/h** | **387.2 L/h** | **536.8 L/h** | **Confirm on enquiry** |

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.

## OTHER CONFIGURATIONS IN THIS CATALOGUE CLASS

| Engine | Alternator | V / phase | ESP kVA | PRP kVA |
|---|---|---|---|---|
| **4016-61TRG3** | Stamford **S7L1D-J41** | 400 / 3 | 2502 | 2257 |
| **4016-61TRG3** | Leroy Somer **LSA52.3L9** | 400 / 3 | 2500 | 2254 |
| **4016-61TRG3X** | Leroy Somer **LSA52.3L12** | 400 / 3 | Confirm | 2505 |

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.
PPG technical specification | Reviewed 2026-10-12


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