

# PPG670SS

Scania diesel generator | Acoustic canopied

**Designed and manufactured in the United Kingdom**

## 670 kVA

ROUNDED CATALOGUE CLASS


**SELECTED CONFIGURATION**

ENGINE

**Scania DC16093A-02-53**

ALTERNATOR

**Stamford S5L1D-F41**

ELECTRICAL OUTPUT

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

Representative PPG enclosure; final build may vary.

**PRIME POWER / PRP**

### 613 kVA

490 kW

**STANDBY POWER / ESP**

### 674 kVA

539 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         | 671       | 537      | 611       | 489      |
| 400         | SS         | 674       | 539      | 613       | 490      |
| 415         | SS         | 674       | 539      | 613       | 490      |

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

PPG670SS | Scania DC16093A-02-53 | Acoustic canopied

## ENGINE

|                   |                  |
|-------------------|------------------|
| Manufacturer      | Scania           |
| Model             | DC16093A-02-53   |
| Aspiration        | Turbocharged     |
| Combustion        | Direct Injection |
| Cycle             | 4 Stroke         |
| Governor          | ECU              |
| Cylinders         | 8                |
| Arrangement       | At Vee           |
| Displacement      | 16.4L            |
| Bore              | 130mm            |
| Stroke            | 154mm            |
| Compression ratio | 16.7:1           |
| Cooling           | Liquid Cooled    |
| Coolant capacity  | 68L              |
| Oil capacity      | 48L              |

## ALTERNATOR

|                    |                  |
|--------------------|------------------|
| Manufacturer       | Stamford         |
| Model              | S5L1D-F41        |
| Type               | Brushless        |
| Phases             | 3                |
| Bearings           | 1                |
| Poles              | 4                |
| Leads              | 12               |
| AVR                | AS440            |
| Voltage regulation | 1.0% Regulation% |
| Insulation class   | H                |
| Excitation         | Brushless        |
| Winding            | 311              |
| Harmonic content   | <5.00%           |
| Short circuit      | >300%            |

## REFERENCE FUEL CONSUMPTION

|                             |                             |                               |                               |
|-----------------------------|-----------------------------|-------------------------------|-------------------------------|
| 50% LOAD<br><b>60.4 L/h</b> | 75% LOAD<br><b>88.2 L/h</b> | 100% LOAD<br><b>120.1 L/h</b> | 110% LOAD<br><b>135.6 L/h</b> |
|-----------------------------|-----------------------------|-------------------------------|-------------------------------|

Reference figures vary with operating conditions and the confirmed duty.

## INSTALLATION INFORMATION

|                           |                  |               |
|---------------------------|------------------|---------------|
| L x W x H (mm)            | REFERENCE WEIGHT | FUEL TANK     |
| <b>4908 x 2164 x 2658</b> | <b>5828.8 kg</b> | <b>1120 L</b> |

Reference frame 5100E (UK/EU). Drawing, weights and tank capacity are subject to the ordered build.

## OTHER CONFIGURATIONS IN THIS CATALOGUE CLASS

| Engine         | Alternator         | V / phase | ESP kVA | PRP kVA |
|----------------|--------------------|-----------|---------|---------|
| DC16093A-02-53 | Stamford S5L1D-E41 | 400 / 3   | 665     | 610     |

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