# PPG680S

## 680 kVA
ROUNDED CATALOGUE CLASS

Scania diesel generator | Open set

**Designed and manufactured in the United Kingdom**

ENGINE PLATFORM

**Scania**

**DC16093A-02-53**

Model-specific drawing supplied with quotation.

### SELECTED CONFIGURATION

ENGINE

**Scania DC16093A-02-53**

ALTERNATOR

**Stamford HCI544F1**

ELECTRICAL OUTPUT

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

Configuration and appearance are confirmed with the quotation.

**PRIME POWER / PRP**

**613 kVA** 490 kW

**STANDBY POWER / ESP**

**673 kVA** 538 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) |
|---|---|---|---|---|---|
| 190 | PS | 671 | 537 | 610 | 488 |
| 200 | PS | 673 | 538 | 613 | 490 |
| 208 | PS | 674 | 539 | 613 | 490 |
| 220 | PS | 676 | 541 | 615 | 492 |
| 220 | SD | 671 | 537 | 611 | 489 |
| 230 | SD | 673 | 538 | 613 | 490 |
| 240 | SD | 674 | 539 | 613 | 490 |
| 254 | SD | 676 | 541 | 615 | 492 |
| 380 | SS | 671 | 537 | 611 | 489 |
| 400 | SS | 673 | 538 | 613 | 490 |
| 415 | SS | 674 | 539 | 613 | 490 |
| 440 | SS | 676 | 541 | 615 | 492 |

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

**PPG680S** | Scania **DC16093A-02-53** | Open set

## 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 | **HCI544F1** |
| Type | Brushless |
| Phases | 3 |
| Bearings | 1 |
| Poles | 4 |
| Leads | 12 |
| AVR | **AS440** |
| Voltage regulation | 1% |
| Insulation class | H |
| Excitation | Self Excited |
| Winding | 311 |
| Harmonic content | <5.00% |
| Short circuit | >300% |

## REFERENCE FUEL CONSUMPTION

| 50% LOAD | 75% LOAD | 100% LOAD | 110% LOAD |
|---|---|---|---|
| **60.4 L/h** | **88.2 L/h** | **120.1 L/h** | **135.6 L/h** |

Reference figures vary with operating conditions and the confirmed duty.

## INSTALLATION INFORMATION

| REFERENCE WEIGHT | FUEL TANK |
|---|---|
| **3558.8 kg** | **730 L** |

Reference frame 9007GA (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


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