PPG690C

690 kVA
ROUNDED CATALOGUE CLASS

Cummins diesel generator | Open set

Designed and manufactured in the United Kingdom

ENGINE PLATFORM

Cummins

VTA28G5

Model-specific drawing supplied with quotation.

SELECTED CONFIGURATION

ENGINE
Cummins VTA28G5

ALTERNATOR
Stamford S5L1D-F41

ELECTRICAL OUTPUT
400 V | 3-phase | 50 Hz

Configuration and appearance are confirmed with the quotation.

PRIME POWER / PRP

640 kVA 512 kW

STANDBY POWER / ESP

692 kVA 554 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	689	551	638	510
400	SS	692	554	640	512
415	SS	693	554	640	512

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

PPG690C | Cummins **VTA28G5** | Open set

ENGINE

Manufacturer	Cummins
Model	**VTA28G5**
Aspiration	Turbocharged
Combustion	Direct Injection
Cycle	4 Stroke
Governor	Electronic
Cylinders	12
Arrangement	At Vee
Displacement	28L
Bore	140mm
Stroke	152mm
Compression ratio	13.1:1
Cooling	Liquid Cooled
Coolant capacity	159L
Oil capacity	83L

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	75% LOAD	100% LOAD	110% LOAD
73 L/h	**104 L/h**	**140 L/h**	**154 L/h**

Reference figures vary with operating conditions and the confirmed duty.

INSTALLATION INFORMATION

REFERENCE WEIGHT	FUEL TANK
2050 kg	**730 L**

Reference frame 9007GA (Export). 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
VTA28G5	Leroy Somer **TAL0473F**	400 / 3	693	640

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