



PPG690C

Cummins diesel generator | Open set

Designed and manufactured in the United Kingdom

690 kVA

ROUNDED CATALOGUE CLASS

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.



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 73 L/h	75% LOAD 104 L/h	100% LOAD 140 L/h	110% LOAD 154 L/h
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Reference figures vary with operating conditions and the confirmed duty.

INSTALLATION INFORMATION

REFERENCE WEIGHT 2050 kg	FUEL TANK 730 L
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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