PPG700C

700 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 HCI544F1

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

691 kVA 553 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	690	552	637	510
200	PS	691	553	640	512
208	PS	693	554	640	512
220	PS	695	556	642	514
220	SD	690	552	638	510
230	SD	691	553	640	512
240	SD	693	554	640	512
254	SD	695	556	642	514
380	SS	690	552	638	510
400	SS	691	553	640	512
415	SS	693	554	640	512
440	SS	695	556	642	514

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

PPG700C | 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	**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
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
2030 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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