PPG150C

150 kVA
ROUNDED CATALOGUE CLASS

Cummins diesel generator | Open set

Designed and manufactured in the United Kingdom

ENGINE PLATFORM

Cummins

6BTAA5.9G6

Model-specific drawing supplied with quotation.

Configuration and appearance are confirmed with the quotation.

SELECTED CONFIGURATION

ENGINE
Cummins 6BTAA5.9G6

ALTERNATOR
Stamford UCI274E1

ELECTRICAL OUTPUT
400 V | 3-phase | 50 Hz

PRIME POWER / PRP
140 kVA 112 kW

STANDBY POWER / ESP
150 kVA 120 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	150	120	140	112
200	PS	150	120	140	112
208	PS	150	120	140	112
220	SD	150	120	140	112
230	SD	150	120	140	112
240	SD	150	120	140	112
380	SS	150	120	140	112
400	SS	150	120	140	112
415	SS	150	120	140	112

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

PPG150C | Cummins **6BTAA5.9G6** | Open set

ENGINE

Manufacturer	Cummins
Model	**6BTAA5.9G6**
Aspiration	Turbocharged
Combustion	Direct Injection
Cycle	4 Stroke
Governor	Electronic
Cylinders	6
Arrangement	In Line
Displacement	5.9L
Bore	102mm
Stroke	120mm
Compression ratio	16.5:1
Cooling	Liquid Cooled
Coolant capacity	9.1L
Oil capacity	16.4

ALTERNATOR

Manufacturer	Stamford
Model	**UCI274E1**
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
18 L/h	**27 L/h**	**35 L/h**	**37 L/h**

Reference figures vary with operating conditions and the confirmed duty.

INSTALLATION INFORMATION

REFERENCE WEIGHT	FUEL TANK
1469.65 kg	**310 L**

Reference frame 9069GA (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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