GPS170C

170 kVA
ROUNDED CATALOGUE CLASS

Cummins diesel generator | Open set

Designed and manufactured in the United Kingdom

ENGINE PLATFORM

Cummins

6BTAA5.9G7

Model-specific drawing supplied with quotation.

Configuration and appearance are confirmed with the quotation.

SELECTED CONFIGURATION

ENGINE
Cummins 6BTAA5.9G7

ALTERNATOR
Stamford UCI274F1

ELECTRICAL OUTPUT
400 V | 3-phase | 50 Hz

PRIME POWER / PRP
154 kVA 123 kW

STANDBY POWER / ESP
169 kVA 135 kW

Ratings shown at 400 V, 3-phase, 50 Hz. The GPS 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	168	134	154	123
200	PS	169	135	154	123
208	PS	170	136	155	124
220	SD	168	134	154	123
230	SD	169	135	154	123
240	SD	170	136	155	124
380	SS	168	134	154	123
400	SS	169	135	154	123
415	SS	170	136	155	124

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

GPS170C | Cummins 6BTAA5.9G7 | Open set

ENGINE

Manufacturer	Cummins
Model	6BTAA5.9G7
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	UCI274F1
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
19 L/h	**29 L/h**	**37 L/h**	**41 L/h**

Reference figures vary with operating conditions and the confirmed duty.

INSTALLATION INFORMATION

REFERENCE WEIGHT	FUEL TANK
1507.65 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. GenPro 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.
GenPro technical specification | Reviewed 2026-10-12