PPG1650C

1650 kVA
ROUNDED CATALOGUE CLASS

Cummins diesel generator | Open set

Designed and manufactured in the United Kingdom

ENGINE PLATFORM

Cummins

KTA50G8

Model-specific drawing supplied with quotation.

Configuration and appearance are confirmed with the quotation.

SELECTED CONFIGURATION

ENGINE

Cummins KTA50G8

ALTERNATOR

Stamford S7L1D-C41

ELECTRICAL OUTPUT

400 V | 3-phase | 50 Hz

PRIME POWER / PRP

1400 kVA 1120 kW

STANDBY POWER / ESP

1652 kVA 1322 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	1615	1292	1398	1118
400	SS	1652	1322	1400	1120

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

PPG1650C | Cummins **KTA50G8** | Open set

ENGINE

Manufacturer	Cummins
Model	**KTA50G8**
Aspiration	Turbocharged
Combustion	Direct Injection
Cycle	4 Stroke
Governor	Electronic
Cylinders	16
Arrangement	At Vee
Displacement	50.3L
Bore	159mm
Stroke	159mm
Compression ratio	14.9:1
Cooling	Liquid Cooled
Coolant capacity	496L
Oil capacity	178L

ALTERNATOR

Manufacturer	Stamford
Model	**S7L1D-C41**
Type	Brushless
Phases	3
Bearings	1
Poles	4
Leads	6
AVR	**MX341**
Voltage regulation	1%
Insulation class	H
Excitation	PMG
Winding	312
Harmonic content	<5.00%
Short circuit	>300%

REFERENCE FUEL CONSUMPTION

50% LOAD	75% LOAD	100% LOAD	110% LOAD
155 L/h	**222 L/h**	**289 L/h**	**345 L/h**

Reference figures vary with operating conditions and the confirmed duty.

INSTALLATION INFORMATION

Dimensions, weight, fuel tank and model-specific drawing are confirmed with the quotation.

No complete matching frame data is published for this selected configuration.

OTHER CONFIGURATIONS IN THIS CATALOGUE CLASS

Engine	Alternator	V / phase	ESP kVA	PRP kVA
KTA50GS8	Stamford **S7L1D-C41**	400 / 3	1652	1504
QSK50G4	Stamford **S7L1D-C41**	400 / 3	1660	1534
KTA50G8	Leroy Somer **LSA50.2L8**	400 / 3	1650	1400

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

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