GPS1650CS

1650 kVA
ROUNDED CATALOGUE CLASS

Cummins diesel generator | Acoustic canopied

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 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)
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.

Technical specification

GPS1650CS | Cummins KTA50G8 | Acoustic canopied

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.
GenPro technical specification | Reviewed 2026-10-12