# DGGB1650CS

**1650 kVA**
ROUNDED CATALOGUE CLASS

Cummins diesel generator | Acoustic canopied

**NEW DIESEL GENERATOR RANGE**

**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 DGGB 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.



Exact build, performance and delivery scope are confirmed in the quotation.

# Technical specification

DGGB1650CS | 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.
DGGB technical specification | Reviewed 2026-10-12



Exact build, performance and delivery scope are confirmed in the quotation.