DGGB1650B

1650 kVA
ROUNDED CATALOGUE CLASS

Baudouin diesel generator | Open set

NEW DIESEL GENERATOR RANGE

ENGINE PLATFORM

Baudouin

12M33G1650/5

Model-specific drawing supplied with quotation.

Configuration and appearance are confirmed with the quotation.

SELECTED CONFIGURATION

ENGINE
Baudouin 12M33G1650/5

ALTERNATOR
Leroy Somer LSA50.2L8

ELECTRICAL OUTPUT
400 V | 3-phase | 50 Hz

PRIME POWER / PRP
1500 kVA 1200 kW

STANDBY POWER / ESP
1650 kVA 1320 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)
400	SS	1650	1320	1500	1200

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

DGGB1650B | Baudouin 12M33G1650/5 | Open set

ENGINE

Manufacturer	Baudouin
Model	12M33G1650/5
Aspiration	Turbocharged
Combustion	Direct Injection
Cycle	4 Stroke
Governor	Electronic
Cylinders	12
Arrangement	At Vee
Displacement	39.2L
Bore	150mm
Stroke	185mm
Compression ratio	15:1
Cooling	Liquid Cooled
Coolant capacity	188L
Oil capacity	160L

ALTERNATOR

Manufacturer	Leroy Somer
Model	LSA50.2L8
Type	Brushless
Phases	3
Bearings	1
Poles	4
Leads	6
AVR	D350
Voltage regulation	0.5%
Insulation class	H
Excitation	Auxiliary Wound
Winding	6S
Harmonic content	<3.50%
Short circuit	>300%

REFERENCE FUEL CONSUMPTION

50% LOAD	75% LOAD	100% LOAD	110% LOAD
156.1 L/h	234.2 L/h	324 L/h	354.2 L/h

Reference figures vary with operating conditions and the confirmed duty.

INSTALLATION INFORMATION

L x W x H (mm)	REFERENCE WEIGHT
5000 x 1871 x 2495	8379 kg

Reference frame GenericPerkins4000 (Export). Drawing, weights and tank capacity are subject to the ordered build.

OTHER CONFIGURATIONS IN THIS CATALOGUE CLASS

Engine	Alternator	V / phase	ESP kVA	PRP kVA
12M33G1650/5	Stamford S7L1D-C41	400 / 3	1660	1550

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.