DGGB90PS

90 kVA

ROUNDED CATALOGUE CLASS

Perkins diesel generator | Acoustic canopied

NEW DIESEL GENERATOR RANGE



Representative DGGB enclosure; final build may vary.

SELECTED CONFIGURATION

ENGINE

Perkins 1104A-44TG2

ALTERNATOR

Stamford UCI224G1

ELECTRICAL OUTPUT

400 V | 3-phase | 50 Hz

PRIME POWER / PRP

81 kVA 65 kW

STANDBY POWER / ESP

89 kVA 71 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)
190	PS	89	71	81	65
200	PS	89	71	81	65
208	PS	89	71	81	65
220	PS	80	64	75	60
220	SD	89	71	81	65
230	SD	89	71	81	65
240	SD	89	71	81	65
254	SD	80	64	75	60
380	SS	89	71	81	65
400	SS	89	71	81	65
415	SS	89	71	81	65
440	SS	80	64	75	60

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

DGGB90PS | Perkins 1104A-44TG2 | Acoustic canopied

ENGINE

Manufacturer	Perkins
Model	1104A-44TG2
Aspiration	Turbocharged
Combustion	Direct Injection
Cycle	4 Stroke
Governor	Mechanical
Cylinders	4
Arrangement	In Line
Displacement	4.4L
Bore	105mm
Stroke	127mm
Compression ratio	17.25:1
Cooling	Liquid Cooled
Coolant capacity	13.0L
Oil capacity	8.0L

ALTERNATOR

Manufacturer	Stamford
Model	UCI224G1
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
9.7 L/h	14 L/h	18.7 L/h	20.5 L/h

Reference figures vary with operating conditions and the confirmed duty.

INSTALLATION INFORMATION

L x W x H (mm)	REFERENCE WEIGHT	FUEL TANK
2286 x 1104 x 1620	1412.25 kg	210 L

Reference frame 2105E (UK/EU). 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
1104A-44TG2	KWise C224G64	400 / 3	88	80
1104A-44TG2	Leroy Somer TAL044B	400 / 3	88	80

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.