DGGB220P

220 kVA
ROUNDED CATALOGUE CLASS

Perkins diesel generator | Open set

NEW DIESEL GENERATOR RANGE

ENGINE PLATFORM

Perkins

1106A-70TAG4

Model-specific drawing supplied with quotation.

SELECTED CONFIGURATION

ENGINE
Perkins 1106A-70TAG4

ALTERNATOR
Stamford UCI274H1

ELECTRICAL OUTPUT
400 V | 3-phase | 50 Hz

Configuration and appearance are confirmed with the quotation.

PRIME POWER / PRP
200 kVA 160 kW

STANDBY POWER / ESP
220 kVA 176 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	220	176	200	160
200	PS	220	176	200	160
208	PS	220	176	200	160
220	SD	220	176	200	160
230	SD	220	176	200	160
240	SD	220	176	200	160
380	SS	220	176	200	160
400	SS	220	176	200	160
415	SS	220	176	200	160

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

DGGB220P | Perkins 1106A-70TAG4 | Open set

ENGINE

Manufacturer	Perkins
Model	1106A-70TAG4
Aspiration	Turbocharged
Combustion	Direct Injection
Cycle	4 Stroke
Governor	Electronic
Cylinders	6
Arrangement	In Line
Displacement	7.01L
Bore	105mm
Stroke	135mm
Compression ratio	16:1
Cooling	Liquid Cooled
Coolant capacity	21.0L
Oil capacity	18.0L

ALTERNATOR

Manufacturer	Stamford
Model	UCI274H1
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
23.1 L/h	34.7 L/h	45.8 L/h	49.4 L/h

Reference figures vary with operating conditions and the confirmed duty.

INSTALLATION INFORMATION

L x W x H (mm)	REFERENCE WEIGHT	FUEL TANK
2433 x 755 x 1565	1651.85 kg	310 L

Reference frame 9069GA (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
1106A-70TAG4	Leroy Somer TAL044M	400 / 3	220	200
1206A-E70TTAG1	Stamford UCI274H1	400 / 3	220	200
1206A-E70TTAG1	Leroy Somer TAL044M	400 / 3	220	200

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.