# DGGB810P

## 810 kVA

ROUNDED CATALOGUE CLASS

Perkins diesel generator | Open set

**NEW DIESEL GENERATOR RANGE**

**ENGINE PLATFORM**

**Perkins**

4006-23TAG2A

Model-specific drawing supplied with quotation.

**SELECTED CONFIGURATION**

ENGINE

**Perkins 4006-23TAG2A**

ALTERNATOR

**Stamford S6L1D-C41**

ELECTRICAL OUTPUT

**400 V | 3-phase | 50 Hz**

Configuration and appearance are confirmed with the quotation.

**PRIME POWER / PRP**

**741 kVA** 593 kW

**STANDBY POWER / ESP**

**814 kVA** 651 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 | 813 | 650 | 740 | 592 |
| 400 | SS | 814 | 651 | 741 | 593 |

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

DGGB810P | Perkins 4006-23TAG2A | Open set

## ENGINE

| | |
|---|---|
| Manufacturer | Perkins |
| Model | 4006-23TAG2A |
| Aspiration | Turbocharged |
| Combustion | Direct Injection |
| Cycle | 4 Stroke |
| Governor | Electronic |
| Cylinders | 6 |
| Arrangement | In Line |
| Displacement | 22.92L |
| Bore | 160mm |
| Stroke | 195mm |
| Compression ratio | 13.6:1 |
| Cooling | Liquid Cooled |
| Coolant capacity | 120L |
| Oil capacity | 113L |

## ALTERNATOR

| | |
|---|---|
| Manufacturer | Stamford |
| Model | S6L1D-C41 |
| Type | Brushless |
| Phases | 3 |
| Bearings | 1 |
| Poles | 4 |
| Leads | 6 |
| AVR | MX321 |
| Voltage regulation | 0.5% |
| 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 |
|---|---|---|---|
| 80 L/h | 117 L/h | 155 L/h | 169 L/h |

Reference figures vary with operating conditions and the confirmed duty.

## INSTALLATION INFORMATION

| L x W x H (mm) | REFERENCE WEIGHT |
|---|---|
| 4000 x 1690 x 2425 | 5253.15 kg |

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

## SPECIFY YOUR PROJECT

Tell us your site load, required voltage and phase, prime or standby duty, ambient conditions and installation requirements. DGGB will confirm a suitable build and its exact specification.

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.