# DGGB900P

## 900 kVA

ROUNDED CATALOGUE CLASS

Perkins diesel generator | Open set

**NEW DIESEL GENERATOR RANGE**

**ENGINE PLATFORM**

**Perkins**

4006-23TAG3A

Model-specific drawing supplied with quotation.

**SELECTED CONFIGURATION**

ENGINE

**Perkins 4006-23TAG3A**

ALTERNATOR

**Stamford S6L1D-D41**

ELECTRICAL OUTPUT

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

Configuration and appearance are confirmed with the quotation.

**PRIME POWER / PRP**

**802 kVA** 642 kW

**STANDBY POWER / ESP**

**896 kVA** 717 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 | 895 | 716 | 802 | 642 |
| 400 | SS | 896 | 717 | 802 | 642 |

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

DGGB900P | Perkins 4006-23TAG3A | Open set

## ENGINE

| | |
|---|---|
| Manufacturer | Perkins |
| Model | 4006-23TAG3A |
| 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-D41 |
| 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 |
|---|---|---|---|
| 91 L/h | 131 L/h | 172 L/h | 193 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 | 5309.15 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 |
|---|---|---|---|---|
| 4006-23TAG3A | Leroy Somer TAL049D | 400 / 3 | 900 | 804 |

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.