# PPG20PS

## 20 kVA

ROUNDED CATALOGUE CLASS

Perkins diesel generator | Acoustic canopied

**Designed and manufactured in the United Kingdom**



Representative PPG enclosure; final build may vary.

### SELECTED CONFIGURATION

ENGINE

**Perkins 404A-22G**

ALTERNATOR

**Stamford S0L2-G1**

ELECTRICAL OUTPUT

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

**PRIME POWER / PRP**

**19.6 kVA** 15.7 kW

**STANDBY POWER / ESP**

**21.2 kVA** 17 kW

Ratings shown at 400 V, 3-phase, 50 Hz. The PPG 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) |
|---|---|---|---|---|---|
| 200 | PS | 21.2 | 17 | 19.6 | 15.7 |
| 208 | PS | 21.3 | 17 | 19.7 | 15.8 |
| 230 | SD | 21.2 | 17 | 19.6 | 15.7 |
| 240 | SD | 21.3 | 17 | 19.7 | 15.8 |
| 400 | SS | 21.2 | 17 | 19.6 | 15.7 |
| 415 | SS | 21.3 | 17 | 19.7 | 15.8 |

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.



Perkins Power Generators is a trading name of GenPro Power Solutions.
Exact build, performance and delivery scope are confirmed in the quotation.

# Technical specification

**PPG20PS** | Perkins **404A-22G** | Acoustic canopied

## ENGINE

| | |
|---|---|
| Manufacturer | Perkins |
| Model | **404A-22G** |
| Aspiration | Naturally Aspirated |
| Combustion | Direct Injection |
| Cycle | 4 Stroke |
| Governor | Mechanical |
| Cylinders | 4 |
| Arrangement | In Line |
| Displacement | 2.216L |
| Bore | 84mm |
| Stroke | 100mm |
| Compression ratio | 23.3:1 |
| Cooling | Liquid Cooled |
| Coolant capacity | 7.0L |
| Oil capacity | 10.6L |

## ALTERNATOR

| | |
|---|---|
| Manufacturer | Stamford |
| Model | **S0L2-G1** |
| Type | Brushless |
| Phases | 3 |
| Bearings | 1 |
| Poles | 4 |
| Leads | 12 |
| AVR | **AS540** |
| Voltage regulation | 1% |
| Insulation class | H |
| Excitation | Self Excited |
| Winding | 311 |
| Harmonic content | <5.00% |
| Short circuit | >100% |

## REFERENCE FUEL CONSUMPTION

| 50% LOAD | 75% LOAD | 100% LOAD | 110% LOAD |
|---|---|---|---|
| **2.9 L/h** | **4 L/h** | **5.3 L/h** | **6.1 L/h** |

Reference figures vary with operating conditions and the confirmed duty.

## INSTALLATION INFORMATION

| L x W x H (mm) | REFERENCE WEIGHT | FUEL TANK |
|---|---|---|
| **2240 x 1038 x 1378** | **880.75 kg** | **80 L** |

Reference frame 1900E (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 |
|---|---|---|---|---|
| **404J-22G** | Stamford **S0L2-G1** | 400 / 3 | 21.4 | 19.7 |
| **403A-15G2** | Stamford **S0L2-G1** | 400 / 3 | 15.9 | 14.8 |
| **404A-22G** | Leroy Somer **TAL040F** | 400 / 3 | 22 | 20 |
| **404J-22G** | Leroy Somer **TAL040F** | 400 / 3 | 22 | 20 |

Engineering data above apply only to the selected configuration on page 1. 7 further class configurations are listed on the product page.

Final enclosure, controls, protection, acoustics and emissions suitability must be specified for the project. This sheet is a configuration guide, not an installation drawing.
PPG technical specification | Reviewed 2026-10-12



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