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CAT POWER RANGE · 50 Hz · DIESEL GENERATOR SET

# Cat 3412C Series 680 – 900 kVA



Image is representative.

**680 – 900 kVA**
Power range (standby)

**544 – 720 kW**
0.8 power factor

**Cat 3412C**
Engine

**5,910 kg**
Dry weight (max.)

High power for large hotels, hospitals and critical facilities; the core unit of multi-generator synchronised systems.

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## Generator set

| | |
|---|---|
| Power (standby) | **680 – 900 kVA / 544 – 720 kW** |
| Frequency / speed | **50 Hz / 1500 rpm** |
| Voltage | **380 – 415 V** |
| Phase / power factor | **3-phase / 0.8 pf** |
| Control panel | **EMCP 4.2B** |
| Alternator | **IP23 alternator** |
| Emissions | **Low fuel consumption** |

## Engine

| | |
|---|---|
| Engine | **Cat® 3412C** |
| Configuration | **V-12, 4-stroke, water-cooled diesel** |
| Bore x stroke | **137.2 x 152.4 mm** |
| Displacement | **27 L** |
| Compression ratio | **13.0:1** |
| Aspiration | **Turbocharged** |
| Fuel system | **Pump and lines** |
| Governor | **Electronic – ADEM™ A5** |

## Dimensions and weight (max.)

| | |
|---|---|
| Length | **4,125 mm** |
| Width | **1,989 mm** |
| Height | **1,906 mm** |
| Dry weight | **5,461 – 5,910 kg** |

## Standard equipment

- Cat EMCP 4 / ECS control panel
- Modbus RTU customer data link
- Package-mounted radiator
- Air cleaner with service indicator
- Flanged exhaust outlet
- Fuel filters with water separator
- Busbar power connection
- IP23 alternator
- Emergency stop button
- 24 V DC system
- Caterpillar yellow paint

## Optional equipment and JUTEK solutions

- EMCP 4.4 / load sharing module
- PMG (permanent magnet) excitation
- Alternator anti-condensation heater
- Engine jacket water heater
- Spring-type vibration isolators
- Heavy-duty starting system
- Battery charger
- Exhaust silencer
- Remote monitoring software
- Synchronising panel (JUTEK)

Technical data is based on Caterpillar publications, is for information only, may vary with configuration and is confirmed at quotation. kW values at 0.8 power factor. Images are representative. Cat® and Caterpillar® are registered trademarks of Caterpillar Inc.