

ON-225

Power by Perkins

1206A-E70TTAG2

Prime power: 180KW/225KVA

Standby power: 200KW/250KVA

GENERATING POWER SOLUTIONS

Increased availability for new operations

Reliable, robust and versatile generator.
Ready to deliver power for a next job.

Increased uptime during operations

Once installed on the end-user-site, the generator will be ready to run: "peace of mind" operation.

Reduced transport and installation costs

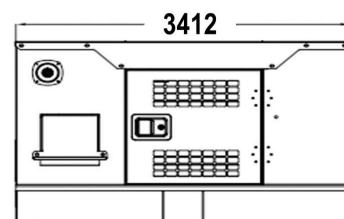
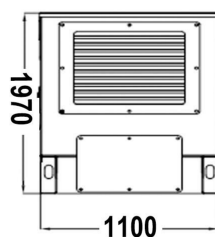
The compact and robust design with integrated transport features enables faster and safer transport and installation.

Reduced service & maintenance costs

Longer service intervals.
Quicker and more efficient service jobs.

Premium resale value

Designed and built to last.



| DIMENSION | | | OPEN TYPE | SILENT TYPE |
|-----------|------------|----|-----------|-------------|
| | Length (L) | mm | 2470 | 3412 |
| | Width (W) | mm | 1100 | 1100 |
| | Height (H) | mm | 1700 | 1970 |
| | Dry weight | kg | 2250 | 2750 |
| | Fuel tank | L | 360 | 360 |

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Technical Data

Model ON-225

| | | |
|----------------------------|---------|---------|
| Rated prime power | KW | 180 |
| Rated standard power | KW | 200 |
| Rated voltage line to line | V | 380~415 |
| Maximun sound level | dB(@7m) | ≤72 |

Engine

| | | |
|---------------------------|-----------------|---------|
| Model | 1206A-E70TTAG2 | |
| Aspiration | TTA | |
| Fuel system | mechanical pump | |
| No. cylinders | 6 | |
| Displacement | Liquid | 7.01 |
| Bore*Stroke | mm | 105*135 |
| Compression ratio | 15.8:1 | |
| Rated speed | r/min | 1500 |
| Rated net power(with fan) | Kw | 200 |
| Governor type | ECU | |

Exhaust system

| | | |
|-------------------|---------------------------|--------|
| Exhaust gas flow | 26.58 m ³ /min | |
| Exhaust gas temp | ° F (° C) | <487.5 |
| Max back pressure | 35 kPa | |

Aspiration system

| | | |
|--------------------|-------|------|
| Max inlet pressure | kPa | ≤3.5 |
| Combustion volume | L/s | / |
| Air flow | L/sec | TBA |

Fuel system

| | | |
|------------------------|-----|------|
| 100% load(Prime power) | L/h | 51 |
| 75% load(Prime power) | L/h | 38 |
| 50% load(Prime power) | L/h | 25.5 |
| Fuel tank capacity | L | 360 |

Lubrication system

| | | |
|------------------------|-------|------|
| Oil capacity | L | 16 |
| Oil consumption | g/kwh | 28.3 |
| Oil pressure | kPa | 10 |
| (continuous operation) | | |

Cooling system

| | | |
|----------------------------|----|-------|
| Coolant capacity | L | 25 |
| Thermostat operation range | °C | 76-88 |
| Max water temperature | °C | 98 |

Alternator

| | | |
|--------------------|----------------------------|---------|
| Model | ON-225 | |
| Phase | 3 | |
| Voltage | V | 380~415 |
| Bearing | 1 | |
| Power factor | 0.8 | |
| Frequency | Hz | 50 |
| Prime power | KW | 180 |
| Exciter Type | Brushless, self-excitation | |
| Voltage regulation | % | ±1.0 |
| Protection Grade | IP 23 | |
| Insulation grade | H/H | |
| Altitude | m | ≤1000 |

Controller

| | | |
|-----------------------|--|--|
| Model | | |
| Protective functions: | <ul style="list-style-type: none"> ■ Low oil pressure ■ High water temperature ■ High/low voltage ■ High Engine Temperature and Overspeed. ■ Voltage regulator frequency regulator ■ Emergency stop ■ Start failure | |



Control Module Options



- Auto generator control module
- Control module with "Three Remote Control" functions
- ATS auto load transfer screen
- Synchronising control modules
- Power output cabinet

