



ATA

Makes Life Brighter

Generators & Switchgear Solutions

ATA P250, Perkins, 1206A-E70TTAG3, 250 KVA

| Speed rpm | Type of operation | Generator output | | Engine power | | | |
|-----------|-------------------|------------------|-----|--------------|-------|-------|-------|
| | | | | Gross | | Net | |
| | | kVA | kWe | kWm | hp | kWm | hp |
| 1500 | Primepower | 250 | 200 | 226.2 | 303.2 | 217.2 | 291.2 |
| | Standby power | 275 | 220 | 248.6 | 333.2 | 238.2 | 391.4 |
| 1800 | Primepower | 225 | 180 | 216.6 | 290.5 | 201.6 | 270.4 |
| | Standby power | 250 | 200 | 238.6 | 319.9 | 223.6 | 299.8 |

| Power rating % | 226.2 kW/1500 rpm Prime | | 216.6 kW/1800 rpm Prime | |
|----------------|-------------------------|-----------|-------------------------|-----------|
| | g/kWh | litres/hr | g/kWh | litres/hr |
| 25 | 228.8 | 15.4 | 257 | 16.5 |
| 50 | 209.6 | 28.1 | 216.4 | 27.8 |
| 75 | 206.1 | 41.5 | 209.3 | 40.4 |
| 100 | 212.3 | 56.9 | 211.7 | 54.5 |
| 110 | 219.6 | 64.5 | 215.2 | 61.1 |

| Engine package weights and dimensions | | |
|---------------------------------------|----------|-----------|
| Length (including air filter) | 1895 mm | 74.6 in |
| Width | 995 mm | 39.2 in |
| Height | 1372 mm | 54.0 in |
| Weight (dry) | 807.7 kg | 1780.7 lb |

| Specification | | |
|----------------------------|------------------------------------|-----------------------|
| Number of cylinders | 6 vertical in-line | |
| Bore and stroke | 105 x 135 mm | 4.13 x 5.3 in |
| Displacement | 7.01 litres | 427.7 in ³ |
| Aspiration | Series turbocharged aftercooled | |
| Cycle | 4 stroke DI | |
| Combustion system | Direct injection | |
| Compression ratio | 15.8:1 | |
| Rotation | Anti-clockwise, viewed on flywheel | |
| Total lubricating capacity | 13-16 litres | 3.4-4.2 US gal |
| Cooling system | Liquid | |
| Total coolant capacity | 25 litres | 6.6 US gal |

Dimensions

| Type | Length (mm) | Width (mm) | Height (mm) | Fuel Tank (L) | Weight (KG) |
|--------|-------------|------------|-------------|-----------------|-------------|
| Open | 2850 | 1000 | 1800 | 510 | 2200 |
| Closed | 4100 | 1300 | 1960 | 510 | 3275 |

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Technical information

Air inlet

- Standard air cleaners

Control system

- Full electronic control system
- All connectors and wiring looms waterproof and designed to withstand harsh environments
- Flexible and configurable software features and well supported SAE J1939 CAN bus enables highly integrated machines

Cooling system

- Tropical radiator as standard ensures optimal cooling performances all year round in any state
- 50:50 water glycol mix

Flywheels and flywheel housing

- SAE2 flywheel housing

Fuel and fuel system

- Electronic high pressure common rail
- Innovative filter design – ensures maximum protection of the engine
- Flat bottomed, isolated, aluminium sump



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ALTERNATOR SPECIFICATIONS

TAL046 - 230 to 365 kVA - 50 Hz / 288 to 438 kVA - 60 Hz

| | | | |
|---|---|--|----------------------|
| Insulation class | H | Excitation system 6-wire | SHUNT AREP+ / PMG |
| Winding pitch | 2/3 (wind.6S - 6-wire / wind.6 - 12-wire) | AVR type | R150 R180 |
| Number of wires | 6 (12 option) | Excitation system 12-wire (option) | SHUNT AREP+ / PMG |
| Protection | IP 23 | AVR type | R150 R180 |
| Altitude | ≤ 1000 m | Voltage regulation (**) | ± 0.8 % ± 0.5 % |
| Overspeed | 2250 R.P.M. | Total Harmonic Distortion THD (***) in no-load < 2.5 % | |
| Air flow 50 Hz | 0.48 m³/s | Total Harmonic Distortion THD (***) in linear load < 5 % | |
| Air flow 60 Hz | 0.58 m³/s | Waveform: NEMA = TIF (***) | < 50 |
| AREP+/PMG Short-circuit current = 2.7 In: 5 seconds (*) | | Waveform: I.E.C. = THF (***) | < 2% |

Control Panel

| DSE6110 |
|--|
| Auto Start Control Module |
| The DSE6110 MKIII is an Auto Start Control Module suitable for a wide variety of single, diesel or gas, genset applications. |
| OVERALL SIZE |
| 216 mm x 158 mm x 43 mm (8.5" x 6.2" x 1.5") |
| PANEL CUTOUT SIZE |
| 184 mm x 137 mm (7.2" x 5.3") |
| MAXIMUM PANEL THICKNESS |
| 8.0 mm (0.3") |
| WEIGHT |
| 0.5kg |
| PRODUCT VARIANTS |
| 6110-05 - 6110 MKIII Auto Start Control Module |



Optional configurations:

Engine accessories:

- ☐ Heavy-duty air filter
- ☐ Coolant heater
- ☐ Lubricant oil heater
- ☐ Fuel and Water Separator
- ☐ Lube oil rotary pump

Alternator And Accessories:

- ☐ Leroy somer/stamford
- ☐ Anti condensation heater
- ☐ PMG + AVR ◇ Double bearing alternator High voltage _____ kV
- ☐ RTDs for Bearing and winding

Cooling System:

- ☐ 55 degree Radiator
- ☐ Remote Radiator

Control System:

- ☐ AMF
- ☐ Parallel
- ☐ Practical type in low temperature environment
- ☐ Control Screen Heater
- ☐ Remote Annunciators
- ☐ Other (ComP, DEIF)

Circuit Breaker:

- ☐ 3/4 poles
- ☐ Fixed/handcart type
- ☐ Electric mechanism

Automatic Transfer Switch (ATS):

- ☐ ATS cabinet
- ☐ Contractor type ATS
- ☐ Motorized changeover type ATS

Start Battery:

- ☐ Nickel-cadmium battery
- ☐ Maintenance-free battery
- ☐ Battery charger and selector switch
- ☐ Charging current meter

External Fuel Tank:

- ☐ Single /double wall fuel tank (500-5000 l)
- ☐ Fuel Transfer pump

Exhaust Muffler:

- ☐ Residential grade
- ☐ Critical grade
- ☐ Hospital grade

Available for voltages :

- ☐ 400/230V, 480/277V, 380/220V, 440/254V, 416/240V, 220/127V, 208/120V

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Prime Rating:

Unlimited hours usage, with an average load factor of 80% over each 24 hours period. 10% overload is available for 1 hour in every 12 hours operation. 0 overload is permitted on standby power.

Standby Rating:

Limited to 500 hours annual usage, with an average load factor of 80% of the published standby power rating over each 24 hours period. Up to 300 hours of annual usage may be run continuously. No over-load is permitted on standby power.

Engine:

Perkins, including air filters, fuel filters, oil filter, starting motor and charging alternator etc.

Warranty policy:

ATA products have a warranty for 12 months or 1000 hours whichever occurs first against any manufacturing defects

Wearing parts (filters), incorrect man-made operation, maintenance failures are excluded from the warranty policy

Radiator:

50°C, fan protective shroud

Fuel Tank:

Capacity of fuel tank is for 8– 10 hours running
Built in fuel tank up to 800 kVA

Circuit Breaker:

3 pole LS MCCB

Alternator Type:

brushless AC alternator

Control system alarms:

Over and Under Speed

Low and High Battery Volt. Start and Stop Failure Over Current Under / Over Generator Voltage

Low Oil Pressure
Emergency stop High engine temperature



STAMFORD
power generation

DSE



**LEROY
SOMER**

Manufacturer reserves the right to make changes in model, technical specifications, color, equipment and accessories without prior notice. All photos are representative and may not reflect exact mode.

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