



# ATA

Makes Life Brighter

## Generators & Switchgear Solutions

### ATA Perkins, 1206A-E70TTAG3/ 1506A-E88TAG3, 250 KVA

Speed rpm	Type of operation	Generator output		Engine power			
				Gross		Net	
		kVA	kWe	kWm	hp	kWm	hp
1500	Prime power	250	200	226.2	303.2	217.2	291.2
	Standby power	275	220	248.6	333.2	238.2	391.4
1800	Prime power	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 <sup>3</sup>
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 365kVA- 50 Hz/288 to 438kVA- 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	
<b>Auto Start Control Module</b>	
The DSE6110 MKIII is an Auto Start Control Module suitable for a wide variety of single, diesel or gas, genset applications.	
<b>OVERALL SIZE</b>	
216 mm x 158 mm x 43 mm (8.5" x 6.2" x 1.5")	
<b>PANEL CUTOUT SIZE</b>	
184 mm x 137 mm (7.2" x 5.3")	
<b>MAXIMUM PANEL THICKNESS</b>	
8.0 mm (0.3")	
<b>WEIGHT</b>	
0.5kg	
<b>PRODUCT VARIANTS</b>	
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**



**LEROI  
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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