



# ATA

Makes Life Brighter

## Generators & Switchgear Solutions

### ATA Perkins, 1106A-70TAG2, 150 KVA

Speed rpm	Type of operation	Typical generator output (Net)		Engine power			
				Gross		Net	
		kVA	kWe	kWm	hp	kWm	hp
1500	Prime power	150	120	136.0	182.4	131.0	175.7
	Standby (maximum)	165	132	153.6	206.0	144.1	193.2

Percent of prime power	Fuel consumption at 1500 rpm g/kWh	Fuel consumption at 1500 rpm l/hr
110%	201.1	36.1
Prime power	203.3	33.4
75%	199.7	24.7
50%	197.9	16.4
25%	221.1	9.1

Engine package weights and dimensions		
Length with air cleaner	1763 mm	69.4 in
Width	756 mm	29.8 in
Height	1142 mm	145 in
Weight (dry)	788 kg	1737 lb

Specification		
Number of cylinders	6 vertical in-line	
Bore and stroke	105 x 135 mm	4.13 x 5.31 in
Displacement	7.01 litres	428 in <sup>3</sup>
Aspiration	Turbocharged aftercooled	
Cycle	4 stroke	
Combustion system	Direct injection	
Compression ratio	16:1	
Rotation	Anti-clockwise, viewed on flywheel	
Total lubricating capacity	16.5 litres	4.36 US gal
Cooling system	Liquid	
Total coolant capacity	21 litres	5.5 US gal

#### Dimensions

Type	Length (mm)	Width (mm)	Height (mm)	Fuel Tank ( L )	Weight (KG)
Open	2500	775	1425	400	1325
Closed	3200	1110	1790	400	1975

UAE, Sharjah Airport, Saif Zone Warehouse 2, Street 14

Mobile: +971502296962

E-mail: [Info@ataswg.com](mailto:Info@ataswg.com)

Website: [www.ataswg.com](http://www.ataswg.com)



# ATA

Makes Life Brighter

## *Generators & Switchgear Solutions*

### Technical information

- Tropical radiator pipes and guards
- Flywheel housing
- Flywheel and starter ring
- Oil filters
- Starter motor
- Air cleaners and brackets
- Lubricating oil sump
- Alternator
- Induction manifolds
- Exhaust manifolds
- Fuel filter
- Engine mountings



UAE, Sharjah Airport, Saif Zone Warehouse 2 , Street 14

Mobile: +971502296962

E-mail: [Info@ataswg.com](mailto:Info@ataswg.com)

Website: [www.ataswg.com](http://www.ataswg.com)



**ATA**

Makes Life Brighter

*Generators & Switchgear Solutions*

**ALTERNATOR SPECIFICATIONS**

**TAL 044 - Three-phase 70 to 200 kVA- 50 Hz / 88 to 250 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	R120 R180
Number of wires	6 (12 option)	Excitation system 12-wire (option)	SHUNT AREP+ / PMG
Protection	IP 23	AVR type	R120 R180
Altitude	≤ 1000 m	Voltage regulation (*)	± 1 % ± 0.5 %
Overspeed	2250 R.P.M.	Total Harmonic Distortion THD (**) in no-load < 2 %	
Air flow 50 Hz	0.29 m³/s	Total Harmonic Distortion THD (**) in linear load < 5 %	
Air flow 60 Hz	0.34 m³/s	Waveform: NEMA = TIF (**)	< 50
AREP+/PMG Short-circuit current = 2.7 In : 5 second		Waveform: I.E.C. = FHT (**)	< 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

MUAE, Sharjah Airport, Saif Zone Warehouse 2 , Street 14

Mobile: +971502296962

E-mail: [Info@ataswg.com](mailto:Info@ataswg.com)

Website: [www.ataswg.com](http://www.ataswg.com)



# ATA

Makes Life Brighter

## Generators & Switchgear Solutions

### 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.

UAE, Sharjah Airport, Saif Zone Warehouse 2, Street 14

Mobile: +971502296962

E-mail: [Info@ataswg.com](mailto:Info@ataswg.com)

Website: [www.ataswg.com](http://www.ataswg.com)