



ATA

Makes Life Brighter

Generators & Switchgear Solutions

## ATA K10, Kubota - D1105-BG2(1500rpm), 10 KVA

Generator Stand by Power- KVA	12
Generator Prime Power- KVA	10

### Engine Specifications

Engine model		D1105-BG2		
Emission regulation		-		
Type		Vertical, water cooled 4-cycle diesel engine		
Cylinders		3		
Bore and stroke	mm (in)	78.0 x 78.4		
		(3.07 x 3.09)		
Displacement	L (cu.in)	1.123 (68.53)		
Aspiration		Naturally aspirated		
Aftertreatment		-		
Stand-by output / speed <sup>*1</sup>	kW (HP) /	9.5	12.7	/ 1500
	rpm			
Continuous output / speed <sup>*2</sup> kW (HP) /		8.4	11.3	/ 1500
Combustion system		Indirect injection		
Fuel system		In-line pump		
Length x Width x Height <sup>*3</sup> mm (in)		In-line pump		
(without ATU)		516 x 391 x 605		
Length x Width x Height <sup>*4</sup> mm (in)		(20.3 x 15.4 x 23.8)		
(with aftertreatment unit)		-		
Dry weight	kg (lb)	110 (243)		

### Dimensions

Type	Length (mm)	Width (mm)	Height (mm)	Fuel Tank ( L )	Weight (KG)
Open	1450	700	900	100	325
Closed	1560	760	960	100	525

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### ALTERNATOR SPECIFICATIONS

TAL040 - Three-phase 10 to 20 kVA- 50 Hz / 12.5 to 25 kVA- 60 Hz

Insulation class	H	Excitation system 6-wire	SHUNT AREP
Winding pitch	2/3 (wind.6S - 6-wire / wind.6 -12-wire)	AVR type	R120 R180
Number of wires	6-wire (12-wire option)	Excitation system 12-wire (option)	SHUNT AREP
Protection	IP 23	AVR type	R120 R180
Altitude	≤ 1000 m	Voltage regulation (%)	± 1 %
Overspeed	2250 R.P.M.	Total Harmonic Distortion THD (**) in no-load < 3.5 %	
Air flow 50 Hz (m³/s)	0.06	Total Harmonic Distortion THD (**) in linear load < 5 %	
Air flow 60 Hz (m³/s)	0.07	Waveform: NEMA = TIF (**)	< 50
AREP Short-circuit current = 2.7 In: 5 second		Waveform: I.E.C. = FHT (**)	< 2%

### Control Panel

#### DSE4510

##### Auto Start Control Module

The DSE4510 is a compact Auto Start Control Module that has been developed to provide an outstanding range of features within a compact enclosure.

##### OVERALL SIZE

140 mm x 113 mm x 43 mm (5.5" x 4.4" x 1.5")

##### PANEL CUTOUT SIZE

118 mm x 92 mm (4.6" x 3.6")

##### MAXIMUM PANEL THICKNESS

8.0 mm (0.3")

##### WEIGHT

0.26kg

##### PRODUCT VARIANTS

4510-03 - 4510 Auto Start Control Module (Ct, Rtc)

4510-04 - 4510 Auto Start Control Module (Ct, Rtc, Htr)

### 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:

Kubota, 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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