



ATA

Makes Life Brighter

Generators & Switchgear Solutions

# ATA K40, Kubota V3300-E2-BG (1800 rpm), 40KVA

|                               |    |
|-------------------------------|----|
| Generator Stand by Power- KVA | 40 |
| Generator Prime Power- KVA    | 44 |

## Engine Specifications

|                                                                          |           |                                              |      |        |
|--------------------------------------------------------------------------|-----------|----------------------------------------------|------|--------|
| Engine model                                                             |           | V3300-E2-BG                                  |      |        |
| Emission regulation                                                      |           | EPA/CARB Tier 2 level                        |      |        |
| Type                                                                     |           | Vertical, water cooled 4-cycle diesel engine |      |        |
| Cylinders                                                                |           | 4                                            |      |        |
| Bore and stroke                                                          | mm (in)   | 98.0 x 110.0                                 |      |        |
|                                                                          |           | (3.86 x 4.331)                               |      |        |
| Displacement                                                             | L (cu.in) | 3.318 (202.5)                                |      |        |
| Aspiration                                                               |           | Naturally aspirated                          |      |        |
| Aftertreatment                                                           |           | -                                            |      |        |
| Stand-by output / speed <sup>*1</sup>                                    | kW (HP) / | 35.3                                         | 47.3 | / 1800 |
|                                                                          | rpm       |                                              |      |        |
| Continuous output / speed <sup>*2</sup> kW (HP) / rpm                    |           | 32.1                                         | 42   | / 1800 |
| Combustion system                                                        |           | Indirect injection                           |      |        |
| Fuel system                                                              |           | In-line pump                                 |      |        |
| Length x Width x Height <sup>*3</sup> mm (in)                            |           | 738 x 536 x 746                              |      |        |
| (without ATU)                                                            |           | (29.1 x 21.1 x 29.4)                         |      |        |
| Length x Width x Height <sup>*4</sup> mm (in) (with aftertreatment unit) |           | -                                            |      |        |
| Dry weight                                                               | kg (lb)   | 280 (617)                                    |      |        |

## Dimensions

| Type   | Length (mm) | Width (mm) | Height (mm) | Fuel Tank ( L ) | Weight (KG) |
|--------|-------------|------------|-------------|-----------------|-------------|
| Open   | 1950        | 775        | 1175        | 100             | 850         |
| Closed | 2260        | 1110       | 1500        | 100             | 1350        |

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

Mobile: +971529597871

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

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

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### ALTERNATOR SPECIFICATIONS

**TAL 042 - Three-phase** 25 to 60 kVA - 50 Hz / 31.5 to 75 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 < 2 %     |            |
| Air flow 50 Hz (m³/s)                         | 0.1                                       | Total Harmonic Distortion THD (**) in linear load < 5 % |            |
| Air flow 60 Hz (m³/s)                         | 0.13                                      | Waveform: NEMA = TIF (**) < 50                          |            |
| AREP Short-circuit current = 2.7 In: 5 second |                                           | Waveform: I.E.C. = FHT (**) < 2%                        |            |

### Control Panel

| DSE4510                                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Auto Start Control Module</b>                                                                                                                   |
| The DSE4510 is a compact Auto Start Control Module that has been developed to provide an outstanding range of features within a compact enclosure. |
| <b>OVERALL SIZE</b>                                                                                                                                |
| 140 mm x 113 mm x 43 mm (5.5" x 4.4" x 1.5")                                                                                                       |
| <b>PANEL CUTOUT SIZE</b>                                                                                                                           |
| 118 mm x 92 mm (4.6" x 3.6")                                                                                                                       |
| <b>MAXIMUM PANEL THICKNESS</b>                                                                                                                     |
| 8.0 mm (0.3")                                                                                                                                      |
| <b>WEIGHT</b>                                                                                                                                      |
| 0.26kg                                                                                                                                             |
| <b>PRODUCT VARIANTS</b>                                                                                                                            |
| 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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