

**Generator set**  
**Sound-proof type**  
**R30K**

# **SPECIFICATIONS**



## 1 Standards & Conditions

### Design Standards

The designs and the productions are in conformity with:

- Conformance Européenne (CE)
- ISO8528-5:2005
- GB/T2820.5-2009

### Environmental Operating Conditions

- Installation place: Outdoors or indoors (well ventilated).
- Ambient temperature: -25°C to 50°C. The coolant heater is needed when the temperature is below 5°C
- Humidity: Less than 90%.
- Altitude: Below one thousand (1000) meters above sea level.

### Factory Inspection

- Inspection items.
- Protection devices working test.
- Starting ability in normal temperature.
- 50% rated power load moment capability.
- Voltage deviation and speed variation: 0%, 25%, 50%, 75%, 100%, 110% Load.

### Painting Process

- Painting process specifications and colors are based on the manufacturer's standard.
- The customer could also choose the color which the manufacturer offers.

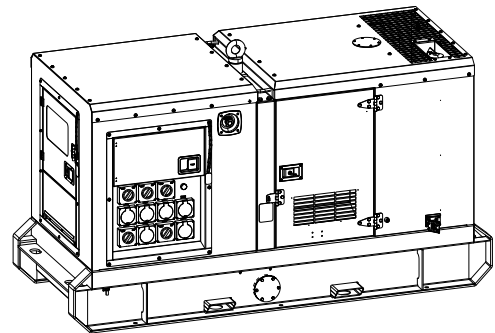
## 2 General Features

- Kubota engine V3300-BG
- Close coupled to a Leroy Somer alternator LSA42.3VS3
- Microprocessor control module Intelilite4-AMF9
- ABB main circuit breaker: 63A, 4P
- Rotate speed governor: Mechanical governor
- Excitation System: Self Excited, SHUNT
- A.V.R. Model: R250
- Convenience receptacles: 3P and 1P
- Key switch
- Emergency stop switch

- Convenience receptacle
- 1x12V/70AH sealed for life maintenance free battery
- Lockable battery isolator switch
- Powder coated canopy
- 50°C radiator
- Oil pump on the engine
- Steel base frame with forklifts
- Vibration isolators between the engine/alternator and base frame
- Dry type air filter
- Base fuel tank for 18 hours running
- Drain points for fuel tank
- Operation Manual / Specifications

## 3 Equipment Specification

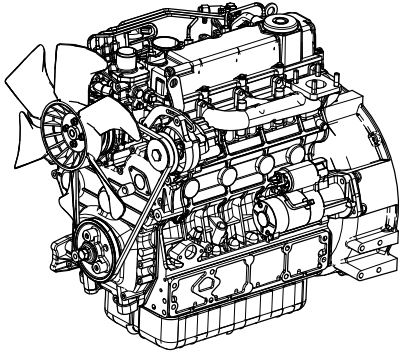
### General technical data



|                       |                 |
|-----------------------|-----------------|
| Model.....            | R30K            |
| Structure type .....  | R               |
| Tank capacity.....    | 140L            |
| Dry weight.....       | 1072kg          |
| Noise level @7m ..... | 63dBA           |
| Dimensions L×W×H..... | 2300×900×1250mm |
| Standby Power .....   | 33kVA/26kW      |
| Prime Power .....     | 30kVA/24kW      |

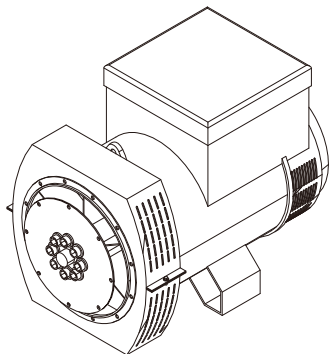
|                                |       |       |       |       |      |
|--------------------------------|-------|-------|-------|-------|------|
| Voltage                        | 380V  | 400V  | 415V  | 440V  |      |
| Ampere                         | 45.6A | 43.3A | 41.7A | 39.4A |      |
| <b>Genset Fuel Consumption</b> |       |       |       |       |      |
| Frequency/Load                 | 25%   | 50%   | 75%   | 100%  | 110% |
| 50Hz (L/h)                     | 1.9   | 3.9   | 5.9   | 7.7   | 8.5  |

## Diesel Engine



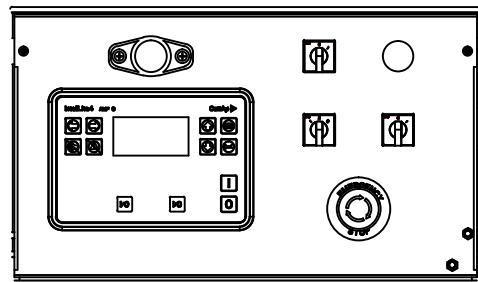
|                                 |                               |
|---------------------------------|-------------------------------|
| Engine Manufacturer/Brand.....  | KUBOTA                        |
| Engine Model.....               | V3300-BG                      |
| Dimensions L×W×H.....           | 769.2×536×751mm               |
| Dry Weigh (approx.) .....       | 241kg                         |
| Number of Cylinders.....        | 4                             |
| Bore.....                       | 98mm                          |
| Stroke.....                     | 110mm                         |
| Displacement.....               | 3.318L                        |
| Compression Ratio.....          | 22.6                          |
| Type of injection.....          | N/A                           |
| Intake System.....              | Natural aspirated             |
| Intake Resistance.....          | 1.96kPa                       |
| Cooling System .....            | Water cooled                  |
| Fan .....                       | Pusher                        |
| Battery Voltage.....            | 12V                           |
| Type of Fuel.....               | Diesel Fuel No.2-D(ASTM D975) |
| Type of Oil .....               | Class CF lubricating oil      |
| Oil Capacity .....              | 13.2L                         |
| Type of Coolant .....           | Glycol mixture                |
| Coolant Capacity.....           | N/A                           |
| Back Pressure .....             | ≤7.07kPa                      |
| Standby Power.....              | 28.9kW                        |
| Prime Power.....                | 26.3kW                        |
| Fuel Consumption(100%load)..... | 7L/h                          |

## Alternator



|  |                              |
|--|------------------------------|
| Alternator Manufacturer/Brand .....                      | Leroy Somer                  |
| Alternator Model .....                                   | LSA42.3VS3                   |
| Exciter.....   | Brushless                    |
| Cooling Fan .....  | Cast alloy aluminum          |
| Windings.....  | 100% copper                  |
| Insulation Class .....                                   | H                            |
| Winding Pitch.....                                       | .2/3                         |
| Terminals .....  | 12                           |
| Drip Proof .....   | IP23                         |
| Altitude.....  | ≤1000m                       |
| Overspeed .....  | 2250rpm                      |
| Air Flow.....  | 0.25m³/s(50Hz),0.3m³/s(60Hz) |
| Voltage Regulation .....                                 | ±0.5%                        |
| Total harmonic TGH / THC at no load < 2 % - on load < 5% |                              |
| Telephone Interference.....                              | THF<2%;TIF<50                |

## InteliLite4-AMF9 Control System

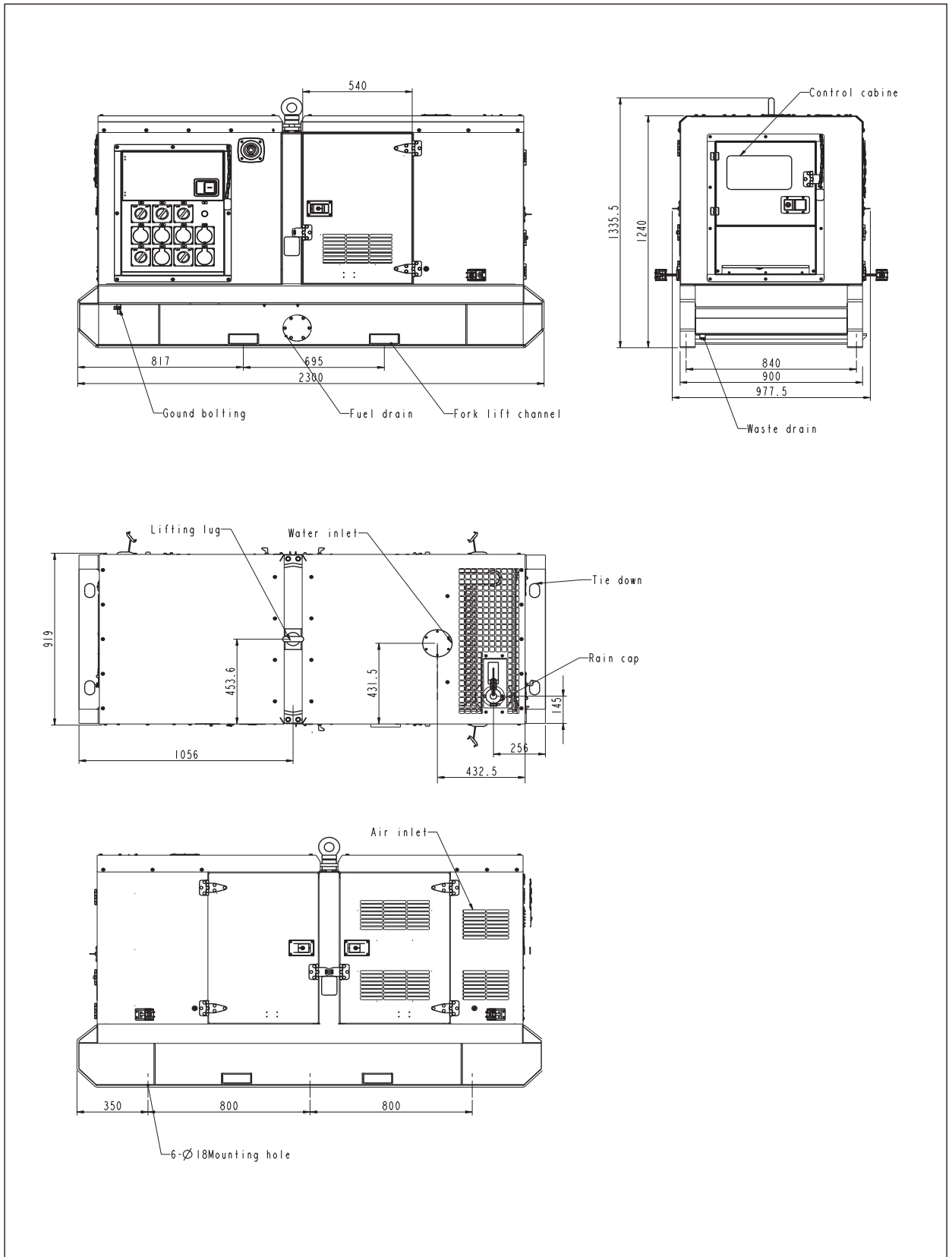


InteliLite4-AMF9 is Single Gen-set controller for stand-by and prime-power applications and all-in-one intuitive & powerful PC tool for configuration/monitoring/control, locally or remotely and easy to install, configure and use

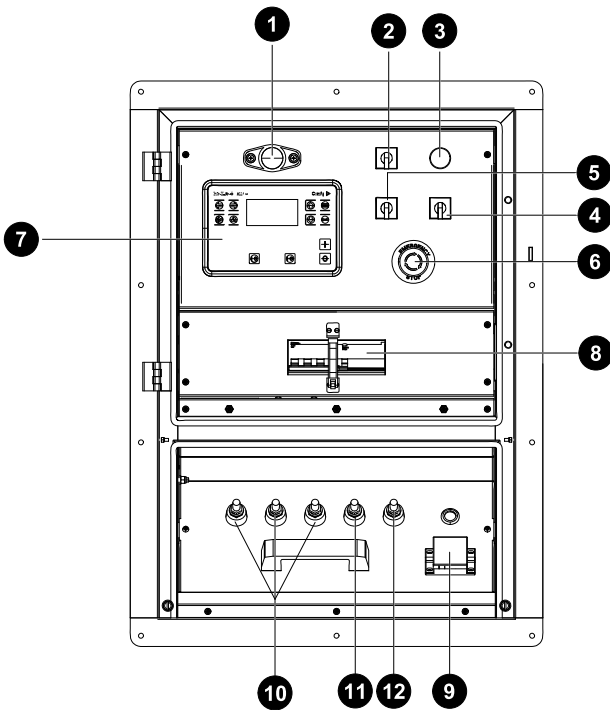
### Standard Control Function

- Stand-by and prime-power application in one unit
- Dual Mutual Standby application support
- Remote display
- User setpoints and protections
- User Access Management
- Cyber security improvement
- Alternative configurations
- Multi-purpose schedulers

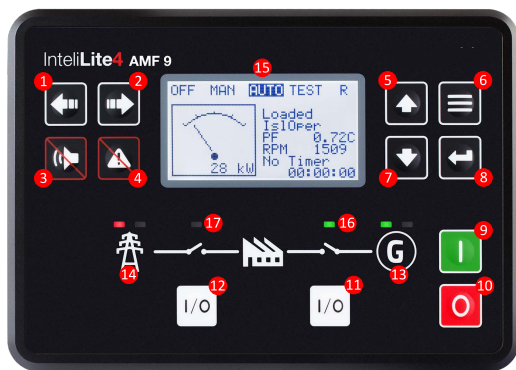
## 4 Overall Dimensions



## 5 Control System



| Ref. | Description                                |
|------|--|
| 1    | Control panel lamp                         |
| 2    | Lamp switch                                |
| 3    | Not ready                                  |
| 4    | Control power                              |
| 5    | Control mode                               |
| 6    | Emergency stop button                      |
| 7    | Control module                             |
| 8    | Main circuit breaker                       |
| 9    | Mains input/remote communication connector |
| 10   | Live wire terminals                        |
| 11   | Neutral wire terminal                      |
| 12   | Ground wire terminal                       |



| Ref. | Description                       |
|------|-----------------------------------|
| 1    | LEFT button.                      |
| 2    | RIGHT button                      |
| 3    | HORN RESET button                 |
| 4    | FAULT RESET button                |
| 5    | UP button                         |
| 6    | PAGE button                       |
| 7    | DOWN button                       |
| 8    | ENTER button                      |
| 9    | START button                      |
| 10   | STOP button                       |
| 11   | GCB button                        |
| 12   | MCB button                        |
| 13   | GENERATOR status indicator        |
| 14   | MAINS status indicator            |
| 15   | Graphic B/W display, 132 x 64 px. |
| 16   | GCB Status                        |
| 17   | MCB Status                        |

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| 02.2024 |
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<http://www.powerlinkworld.com>

*Specification may change without prior notice. For more info.,  
contact Power Link or your local distributors please.*