

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.

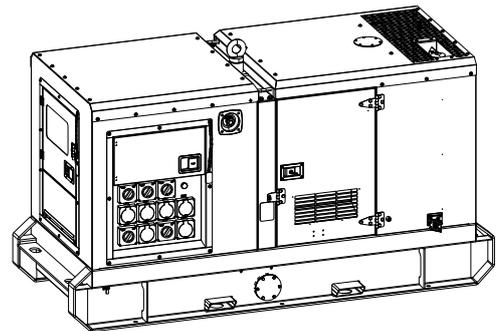
2 General Features

- Kubota engine V3300-BG
- Close coupled to a Leroy Somer alternator LSA42.3VS3
- Microprocessor control module IntelLite4-AMF9
- Main circuit breaker: 63A
- Rotate speed governor: Mechanical governor
- Excitation System: Self Excited, SHUNT
- A.V.R. Model: R250
- 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

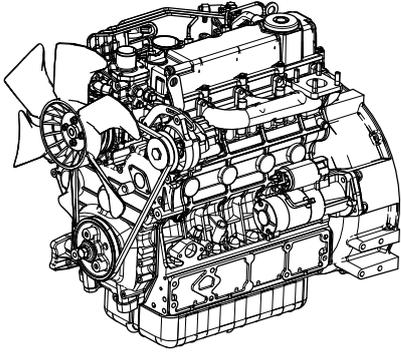
General technical data



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

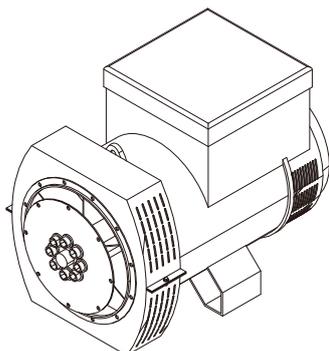
Voltage	380V	400V	415V	440V	
Ampere	45.6A	43.3A	41.7A	39.4A	
Genset Fuel Consumption					
Frequency/Load	25%	50%	75%	100%	110%
50Hz (L/h)	1.9	3.9	5.9	7.7	8.5

Diesel Engine



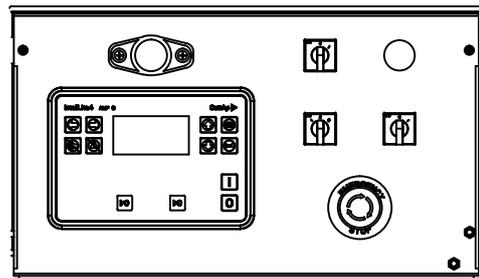
Engine Manufacturer/Brand.....	KUBOTA
Engine Model.....	V3300-BG
Dimensions L×W×H.....	769.2×536×751mm
Dry Weigh (approx.)	241kg
Number of Cylinders.....	4
Bore.....	98mm
Stroke.....	110mm
Displacement.....	3.318L
Compression Ratio.....	22.6
Type of injection.....	N/A
Intake System.....	Natural aspirated
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

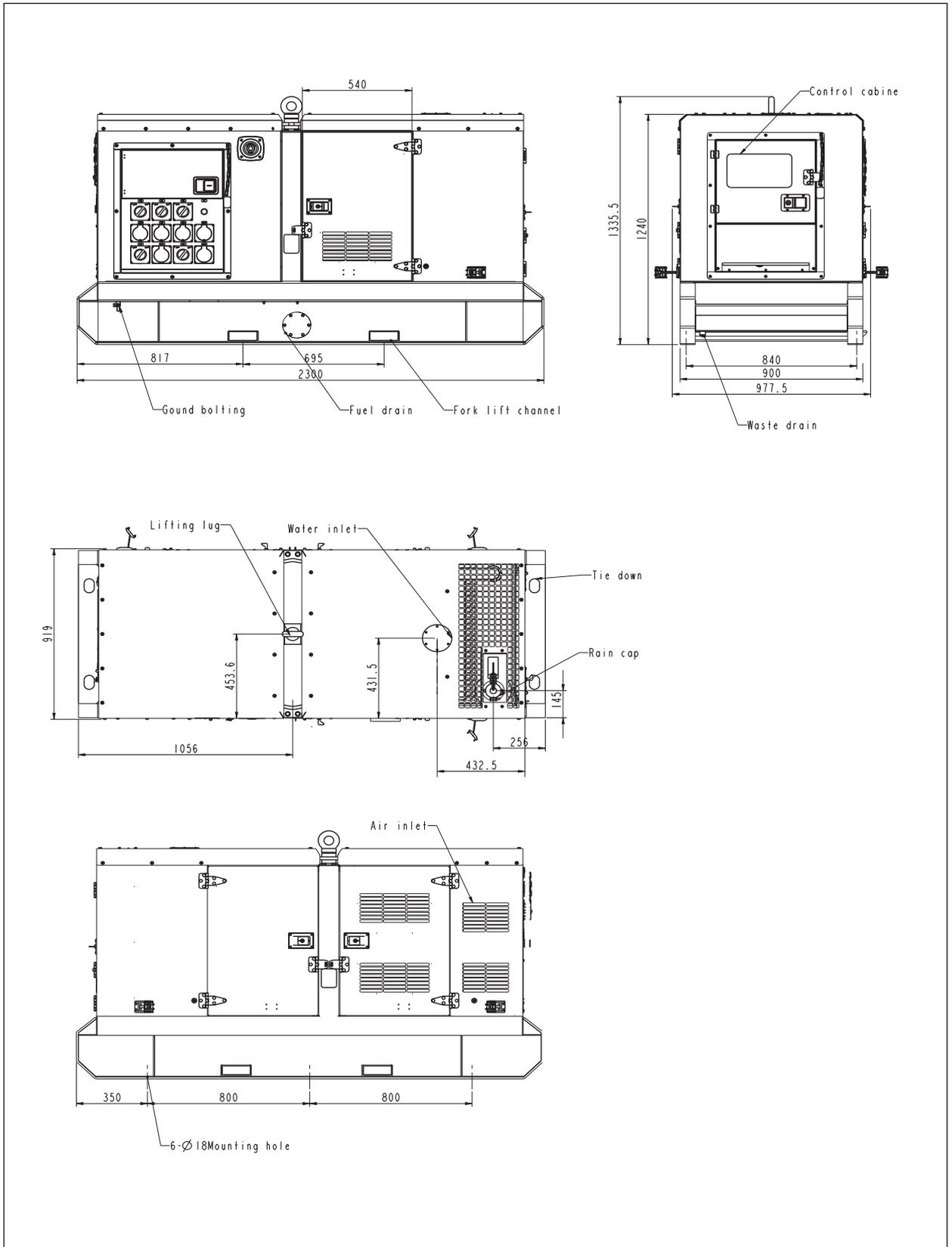


InteliLite4-AMF9 is Single Gen-set controller for stand-by and prime-power applications and all-in-one intuitive & powerful PC tool for configuration/monitoring/control, locally or remotely and easy to install, configure and use

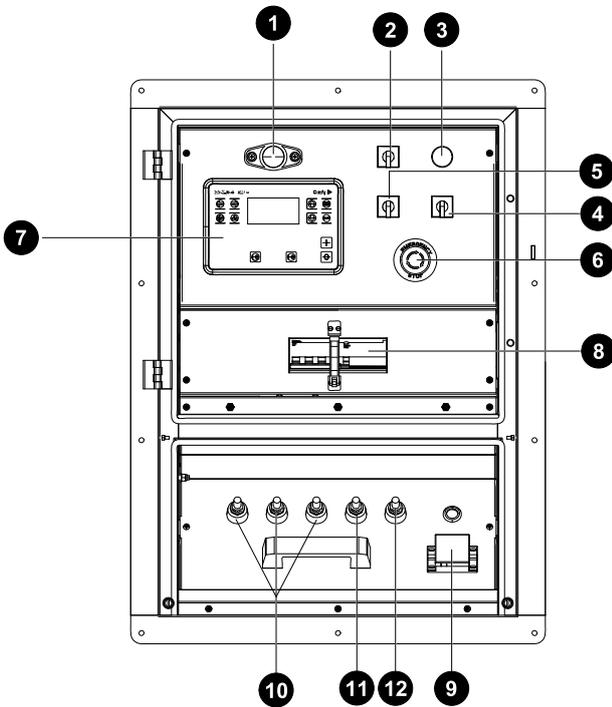
Standard Control Function

- 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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<http://www.powerlinkworld.com>

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