

**Generator set**  
**Sound-proof type**  
**PK10KS**

# **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 45°C. The coolant heater is needed when the temperature is below 5°C
- Humidity: Less than 80%.
- Altitude: Below one thousand (1000) meters.

### 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.

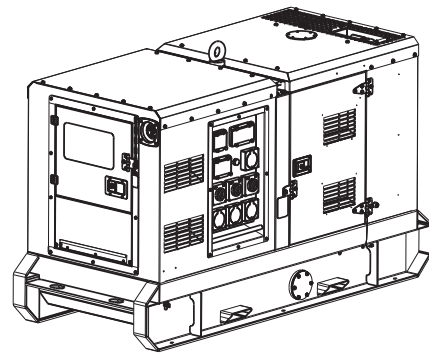
## 2 General Features

- Kubota engine D1105-BG
- Close coupled to Lersey somer alternator LSA40S3
- Microprocessor control module InteliLite4-AMF9
- ABB main circuit breaker: 63A,2P
- Rotate speed governor: Mechanical governor
- Excitation System: Self excited,SHUNT
- Control power switch
- 2 x Emergency stop switch
- Remote start wiring terminals
- 1x12V sealed for life maintenance free battery

- 3x Convenience receptacles and isolating switches
- Lockable battery isolator switch
- Powder coated canopy
- 50°C radiator
- Oil pump on the engine
- Steel base frame with forkslots
- Vibration isolators between the engine/alternator and base frame
- Dry type air filter
- Base fuel tank for 27 hours running
- Drain points for fuel tank
- Operation Manual / Specifications

## 3 Equipment Specification

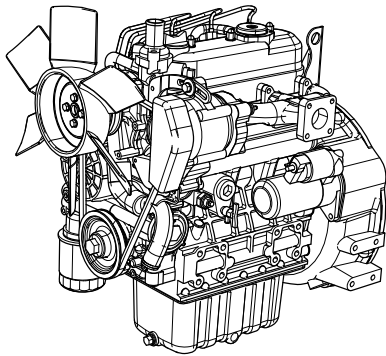
### General technical data



Model.....	R10KS
Structure type .....	R
Tank capacity.....	110L
Dry weigh.....	767kg
Noise level @7m .....	64.7dBA
Dimensions L×W×H.....	2050x928x1286mm
Standby Power .....	11kVA/8.8kW
Prime Power .....	10kVA/8kW

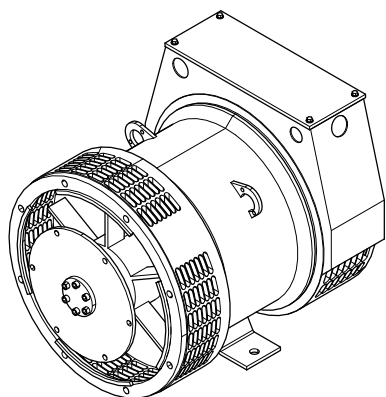
Voltage	220V	230V	240V		
Ampere	45.5A	43.5A	41.7A		
<b>Genset Fuel Consumption</b>					
Frequency/Load	25%	50%	75%	100%	110%
50Hz (L/h)	N/A	1.8	2.9	3.5	3.9

## Diesel engine



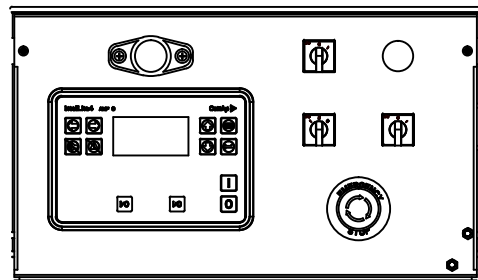
Engine Manufacturer/Brand.....	KUBOTA
Engine Model.....	D1105-BG
Dimensions L×W×H.....	549.3×398.0×604.7mm
Dry Weigh (approx.) .....	93kg
Number of Cylinders.....	3
Bore.....	78mm
Stroke.....	78.4mm
Displacement.....	1.123L
Compression Ratio.....	22
Type of Injection .....	Direct injection
Intake System.....	Natural aspirated
Intake Resistance.....	1.96kPa
Cooling System .....	Water cooled
Fan .....	Pusher
Battery Voltage.....	12V
Type of Fuel.....	No.2-D(ASTM D975)
Type of Oil .....	Better than API CD class
Oil Capacity .....	5.1L
Type of Coolant .....	Glycol mixture
Coolant Capacity.....	6.4L
Back Pressure .....	≤7.07kPa
Standby Power.....	9.5kW
Prime Power.....	8.4kW
Fuel Consumption(100%load).....	3.5L/h

## Alternator



Alternator Manufacturer/Brand.....	Leroy Somer
Alternator Model.....	LSA40S3
Exciter.....	Brushless
Cooling Fan.....	Synthetic plastic
Windings.....	100% copper
Insulation Class .....	H
Winding Pitch.....	2/3
Terminals .....	12
Drip Proof .....	IP23
Altitude.....	≤1000m
Overspeed.....	2250rpm
Air Flow.....	0.11 m³/s(50Hz),0.135m³/s(60Hz)
Voltage Regulation .....	±0.5 %
Total harmonic TGH / THCat no load < 1.5 % - on load < 5%	
Telephone Interference.....	THF<2%;TIF<50

## InteliLite4-AMF9 Control System

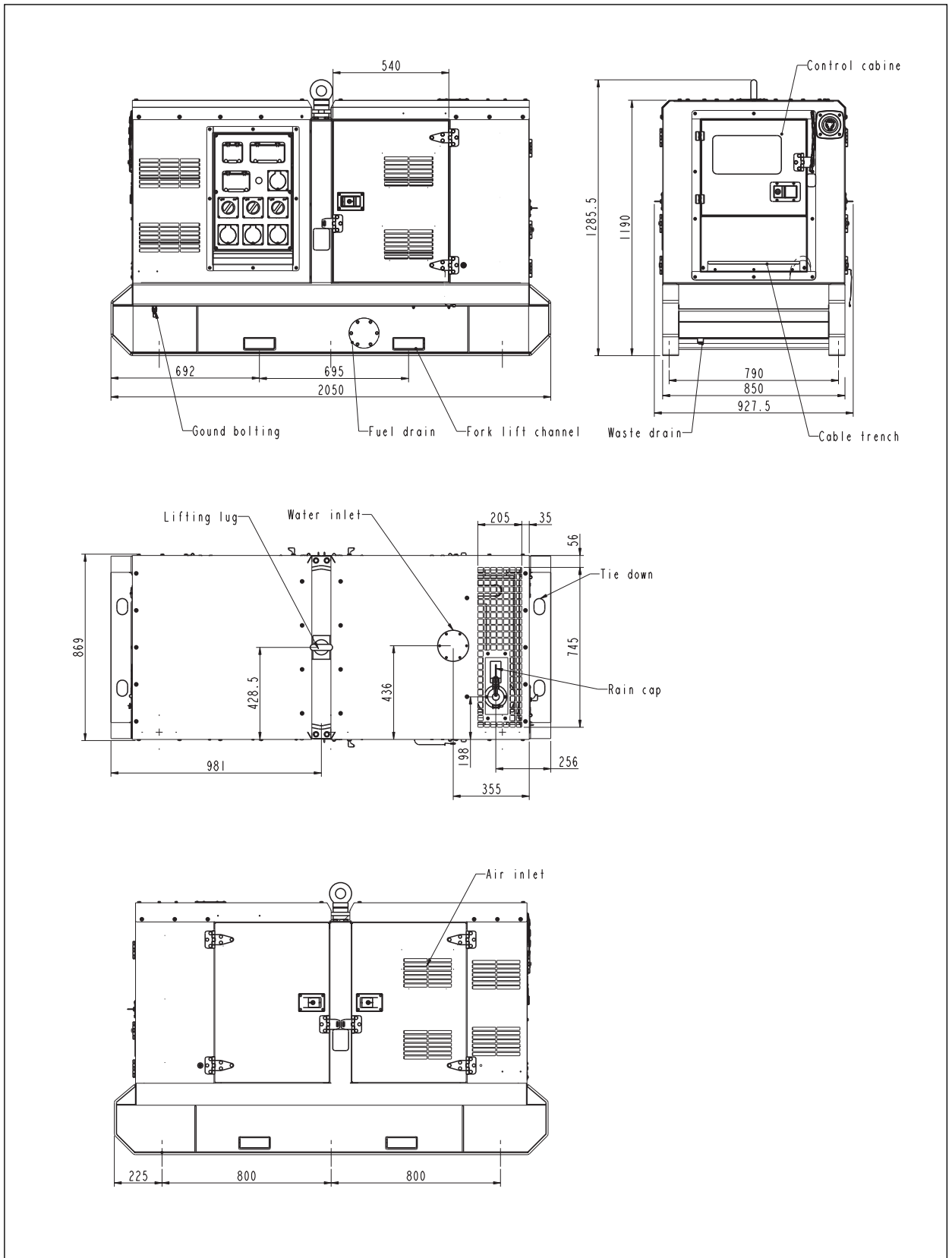


InteliLite4-AMF9 is Single Gen-set controller for stand-by and prime-power applications and all-in-one intuitive & powerful PC tool for configuration/monitoring/control, locally or remotely and easy to install, configure and use

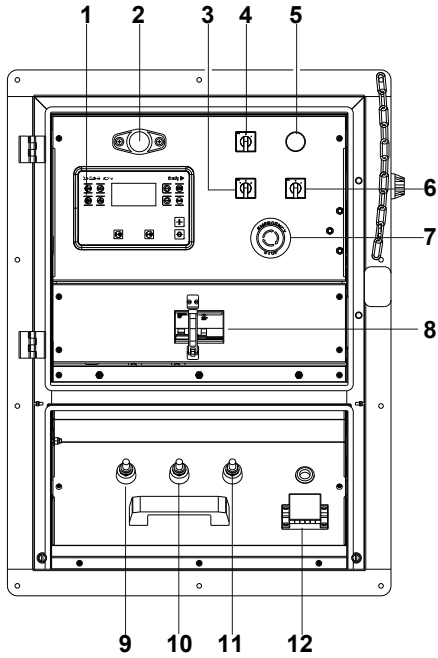
### Standard Control Function

- 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

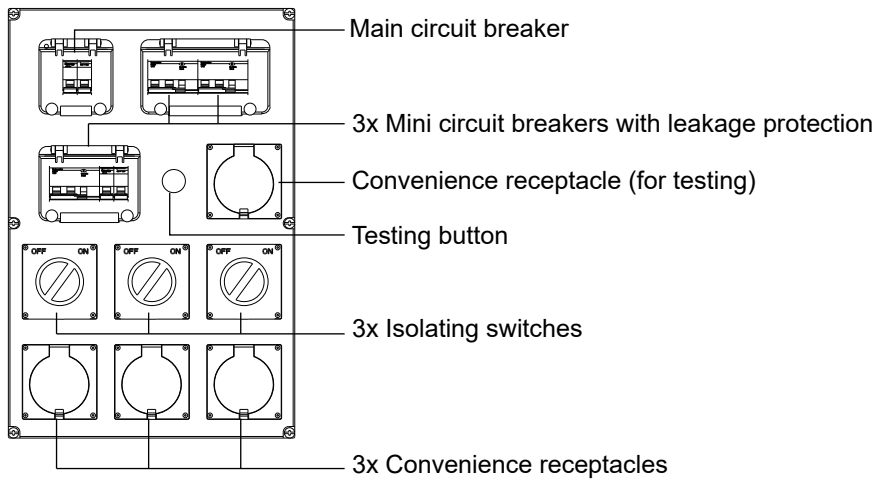


## 5 Control System



**Control & field wiring cabinet**

Ref.	Description
1	Control module
2	Panel light
3	Operation mode selection switch
4	Panel light switch
5	Not ready indication
6	Control power switch
7	Emergency stop button
8	Main circuit breaker
9	Live wire terminal
10	Neutral wire terminal
11	Ground wire terminal
12	Remote control/Mains input



**Convenience receptacle box**

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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.*