

# POWERLINK RK Kubota Series Diesel Generator with Leroy Somer Alternator



Model: **GMS45KS-AU**  
 Frequency: **50Hz**  
 Fuel type: **Diesel**  
 Powered by: **KUBOTA Engine**

**415/240V-50Hz-3Phase**

- Powerful heavy-duty Kubota industrial diesel and low emissions engine
- Intelligent control - Manual & Remote start
- Weather protective and sound attenuated enclosure
- Comprehensive warranty and service
- Outlets - 2x 15A, 1x 32A 3PH

## TECHNICAL SPECIFICATIONS

<b>Model</b>	<b>GMS45KS-AU</b>			
<b>Power(ESP)</b>	kVA/kW	50/40		
<b>Power(PRP)</b>	kVA/kW	45/36		
<b>Structure Type</b>	RS			
<b>Fuel Consumption</b>	Litre/hour	Fuel consumption100% (of the Prime Power)	10.7 L/h	
		Fuel consumption75% (of the Prime Power)	8.2 L/h	
		Fuel consumption50% (of the Prime Power)	5.4 L/h	
		Fuel consumption25% (of the Prime Power)	N/A	
<b>Fuel Tank Capacity</b>	Litre	280		
<b>Noise Level</b>	dB(A)@7m	66.0		
<b>Dimensions and Weight</b>	<b>Length</b>	<b>Width</b>	<b>Height</b>	<b>Weight</b>
	2508 mm	1081 mm	1709 mm	1404 kg

## ENGINE SPECIFICATIONS

<b>Manufacturer</b>	Kubota
<b>Model</b>	V3800DI-T-BG
<b>Engine Speed Rated</b>	1500 RPM
<b>Cylinder /Arrangement</b>	4
<b>Displacement</b>	3.769 L
<b>Bore and Stroke</b>	100 mm × 120 mm
<b>Compression Ratio</b>	19.0
<b>Intake Resistance</b>	1.96kPa
<b>Type of Injection</b>	Direct
<b>Total Oil Capacity</b>	13.2 L
<b>Coolant Capacity</b>	8.2 L

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GENERATORS**  
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## ALTERNATOR SPECIFICATIONS

Manufacturer	Leroy Somer LSA42.3M7
Phase	3
Power Factor	0.8
Bearing	1
Exciter type	Brushless
Insulation : Class , temperature rise	H
Degree of protection	IP23
AVR	Yes
Altitude	≤1000m
Winding Pitch	2/3
Overspeed	2250rpm



## AIR SYSTEM

Engine Air Flow	0.11 m <sup>3</sup> /s(50Hz)
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Note: All data sheets are for reference only and subject to change without prior notice.

## CONTROL PANEL

PowerLink	PLC-920
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### KEY FEATURES

- Standard Control Function
- Manual Engine Control Module
- Low Oil Pressure
- High Engine Temperature
- Auxiliary Shutdown
- Over Speed Protection
- Protection Hold-off Timer
- Charge Failure Warning



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