



KSR 90

90 kVA RICARDO SERIES ENGINE GENSET



GENERAL SPECIFICATIONS

Standby Power	kVA	90
	kW	72
Prime Power	kVA	82
	kW	65
Frequency	Hz	50
Rated Speed	rpm	1500

FUEL CONSUMPTION

% 100 Fuel Consumption	lt/h	19
% 75 Fuel Consumption	lt/h	15
% 50 Fuel Consumption	lt/h	13

GENSET DIMENSION and WEIGHT

CANOPY TYPE

Length	(L)	mm	2500
Width	(W)	mm	1100
Height	(H)	mm	1560
Weight	(H)	kg	1250
Fuel Tank Capacity	lt		190

OPEN TYPE

Length	(L)	mm	2500
Width	(W)	mm	1100
Height	(H)	mm	1540
Weight	(H)	kg	1010
Fuel Tank Capacity	lt		190

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TECHNICAL SPECIFICATIONS

ENGINE

(ESP) Standby Power	kW/kVA	72/90
(PRP) Prime Power	kW/kVA	65/82
Brand		Ricardo
Model		K4105AZLD
Type		4 Stroke
Injection Type		Direct
Cylinder Bore and Stroke	mm	105*125
Displacement	lt	4,33
Compression Ratio		16:01
Aspiration Type		Natural
Rated Speed	rpm	1500
Total Oil Capacity	lt	15
Total Coolant Capacity	lt	23
Cooling System		Water Cooled
Governor Type		Mechanical

ALTERNATOR

Brand		KOCSAN
Model		S224G68D9
Phase		3
Output Voltage	V	230 / 400
Frequency	Hz	50
Automatic Voltage Regulation	±%	1
Standby Power	kVA	93,5
Power Factor	Cos ϕ	0,8
Protection Class		IP 22
Insulation Class		H
Overload Running Time		%110 for 1 hour
Efficiency with Cos ϕ :0,8 and %75 Load	%	88

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TECHNICAL SPECIFICATIONS

CANOPY and CASE

- Easy Lifting and Carrying Design
- Emergency Stop Push Button Mounted on Exterior Casing
- Electrostatic Polyester Powder Coated Paint
- Special Design for Minimizing Acoustic Level
- Transparent Cover for Monitoring Control Unit
- Vibration Insulator

D300 CONTROL UNIT

- Webbased Control Unit with Additional External Slot
- Parameter Regulation via USB, RS-232 and GPRS
- CANBUS-J19398 & MPU Input
- 8 pcs. Configurable Digital Inputs
- 6 pcs. Configurable Digital Outputs
- 3 pcs. Configurable Service Alarm
- 3 pcs. Configurable Analog Inputs
- Language Configuration
- Weekly Working Program
- Free PC Configuration Software
- Remote / Manuel Start Controller
- ATS & AMF with Uninterrupted Transfer
- Modbus RTU
- Modbus TCP/I
- Internet Central Monitoring (Optional)
- Sms & E-mail Sending (Optional)

OPTIONAL EQUIPMENTS

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|-----------------------------------|------------------------------------|
| - Super Silent Canopy | - Different Canopy and Case Colour |
| - Trailer | - Fuel & Oil Heater |
| - Automatic Fuel Filling System | - External Fuel Tank |
| - Remote Monitoring | - Electronic Governor |
| - 3P / 4P Circuit Breaker | - 3P / 4P ATS Panel |
| - Synchronization System | - Expandable Fuel Tank |
| - Alternator with Two AVR and PMG | - Fuel / Water Separation Filter |