



# KSR 100

100 kVA RICARDO SERIES ENGINE GENSET



## GENERAL SPECIFICATIONS

Standby Power	kVA	100
	kW	80
Prime Power	kVA	90
	kW	72
Frequency	Hz	50
Rated Speed	rpm	1500

## FUEL CONSUMPTION

% 100 Fuel Consumption	lt/h	22,2
% 75 Fuel Consumption	lt/h	16,7
% 50 Fuel Consumption	lt/h	11,1

## GENSET DIMENSION and WEIGHT

### CANOPY TYPE

Length	(L)	mm	2500
Width	(W)	mm	1000
Height	(H)	mm	1590
Weight	(H)	kg	1235
Fuel Tank Capacity	lt		230

### OPEN TYPE

Length	(L)	mm	2500
Width	(W)	mm	1000
Height	(H)	mm	970
Weight	(H)	kg	1020
Fuel Tank Capacity	lt		230

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## TECHNICAL SPECIFICATIONS

### ENGINE

(ESP) Standby Power	kW/kVA	80/100
(PRP) Prime Power	kW/kVA	72/90
Brand		Ricardo
Model		R4105BZLD
Type		4 Stroke
Injection Type		Direct
Cylinder Bore and Stroke	mm	105*135
Displacement	lt	4,43
Compression Ratio		17:00
Aspiration Type		Natural
Rated Speed	rpm	1500
Total Oil Capacity	lt	18
Total Coolant Capacity	lt	16
Cooling System		Water Cooled
Governor Type		Mechanical

### ALTERNATOR

Brand		FALCON
Model		FC274CS
Phase		3
Output Voltage	V	230 / 400
Frequency	Hz	50
Automatic Voltage Regulation	±%	1
Standby Power	kVA	110
Power Factor	Cos $\phi$	0,8
Protection Class		IP 22
Insulation Class		H
Overload Running Time		%110 for 1 hour
Efficiency with Cos $\phi$ :0,8 and %75 Load	%	88

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## TECHNICAL SPECIFICATIONS

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### 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

- |                                   |                                    |
|-----------------------------------|------------------------------------|
| - 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   |