

DATASHEET

RID 40 S-SERIES DIESEL GENERATOR 40 KVA



symbolic image



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symbolic image



Power rating

Output power	
Power	40 kVA 32 kW
Current	57,7 A 46,1 A
Voltage	230 / 400 V
Frequency	50 Hz
Power factor	0,8 cos φ

Product overview

Order number open	713477	
Order number closed	713479	
Alternator model	Linz PRO18M E/4	LeroySomer TAL 042 E
Engine type	DEUTZ BF4M2011	
Generator type	synchronous	
Control panel	RID 3000-A	
CE certified in accordance with Machinery Directive 2006/42/EC		

Dimensions and weights Generator

	Length (L)	Width (W)	Height (H)	Weight	Tank
Open	1500 mm	752 mm	1185 mm	761 kg	150 l
Closed	1800 mm	940 mm	1310 mm	890 kg	230 l

Noise level

	1 Meter	4 Meter	7 Meter	10 Meter
Open	85 dB(A)	82,5 dB(A)	81 dB(A)	79,5 dB(A)
Closed	77 dB(A)	72 dB(A)	66 dB(A)	63 dB(A)

Fuel consumption

	25% load	50% load	75% load	100% load
Consumption	3,1 l/h	5,3 l/h	8,1 l/h	11,3 l/h

Engine technical data

Engine output	39,2 kW
Engine type	DEUTZ BF4M2011
Engine size	4-Cylinder, in-line
Rotational-speed range	1500 u/min
Speed regulation	mechanical
Displacement	3,1 l
Engine w/o cooling system	304 kg

Alternator data

Alternator model	Linz PRO18M E/4	LeroySomer TAL 042 E
Insulation Class	H	
Regulation type	AVR	
Execution	brushless	
Protection class	IP 23	
Airflow Requirement	588 m ³ /h	360 m ³ /h

Intake and exhaust system

Silencer type	industrial
Max. exhaust gas temperature	611 °C
Exhaust gas flow	468 m³/h
Max. exhaust back pressure	30 mbar
Air filter type	replaceable element

Engine lubrication

Oil type	RID 10W30
Oil filter type	replaceable element
Total oil volume	13,5 l
Max. oil temperature	130 °C

Engine cooling

Cooling system	oil + air
Cooling system capacity	13,5 l
Fan power consumption	1,0 kW
Cooling air flow	2370 m³/h

Controller RID 3000-A



Functions

Current	Battery voltage	Operating hours counter
Frequency	Power (kVA-kW)	Rotational-speed range
Voltage	Power factor Cosφ.	Fuel level (%)

Commands and other

- Four operating modes: OFF – Manual Start – Automatic Start – Automatic Test
- Push button to force the mains contactor or the generator contactor
- Push buttons: Start/Stop, Error Reset, Up/Down/Side Selection/Enter
- Remote start possible
- Audible alarm
- Protective functions with shutdown
- Engine protection: low fuel level, low oil pressure, high engine temperature
- Generator protection: undervoltage/overvoltage, overload, battery undervoltage/overvoltage, battery charger failure
- Protocols: GSM, Ethernet, Modbus, Canbus