

DATASHEET



RID 40 B-SERIES S RENTAL

DIESEL GENERATOR 40 KVA



Power rating

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

Product overview

Order number	712233	
Alternator model	Linz PRO18M E/4	LeroySomer TAL 042 E
Engine type	Hyundai DM02VP (StageV)	
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
Dimensions	2366 mm	940 mm	1780 mm	1175 kg	200 l

Noise level

	1 Meter	4 Meter	7 Meter	10 Meter
Noise level	70,4 dB(A)	64,3 dB(A)	60,3 dB(A)	58,1 dB(A)

Fuel consumption

	25% load	50% load	75% load	100% load
Consumption	3,2 l/h	5,7 l/h	8,4 l/h	11,3 l/h

Engine technical data

Engine output	45,2 kW
Engine type	Hyundai DM02VP (StageV)
Engine size	4-Cylinder, in-line
Rotational-speed range	1500 u/min
Speed regulation	electricial
Displacement	2,392 l
Engine w/o cooling system	266 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	504 °C
Exhaust gas flow	-
Max. exhaust back pressure	100 mbar
Air filter type	replaceable element

Engine lubrication

Oil type	RID 10W30
Oil filter type	replaceable element
Total oil volume	8,6 l
Max. oil temperature	120 °C

Engine cooling

Cooling system	water + air
Cooling system capacity	9,3 l
Fan power consumption	2,2 kW
Cooling air flow	-

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