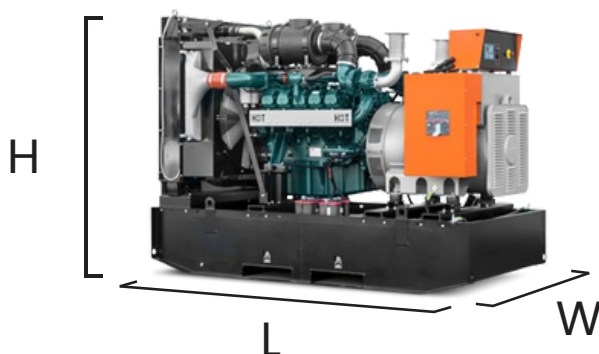


DATASHEET

RID 670 B-SERIES DIESEL GENERATOR 670 KVA



symbolic image



RID 670 B-SERIES S DIESEL GENERATOR 670 KVA



symbolic image



Our power generators are constantly being further developed. For this reason, the illustrations and technical data of the generators may be subject to change. RID GmbH assumes no responsibility for possible printing errors. Issued 01 august 2024.

RID GmbH | www.rid-international.com | phone: +49 (0) 7266 91347-0

rid-international.com

Power rating

Output power	
Power	670 kVA 536 kW
Current	968 A 773 A
Voltage	230 / 400 V
Frequency	50 Hz
Power factor	0,8 cos φ

Product overview

Order number open	713740	
Order number closed	713741	
Alternator model	Linz PRO35M G/4	LeroySomer TAL 049 B
Engine type	Hyundai DP222LB	
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	4100 mm	1800 mm	2100 mm	6100 kg	1000 l
Closed	4400 mm	2140 mm	2549 mm	7400 kg	1000 l

Noise level

	1 Meter	4 Meter	7 Meter	10 Meter
Open	89 dB(A)	87 dB(A)	85 dB(A)	83 dB(A)
Closed	80 dB(A)	77 dB(A)	74 dB(A)	73 dB(A)

Fuel consumption

	25% load	50% load	75% load	100% load
Consumption	39,2 l/h	73,0 l/h	109,2 l/h	147,1 l/h

Engine technical data

Engine output	604 kW
Engine type	Hyundai DP222LB
Engine size	12-Cylinder, V
Rotational-speed range	1500 u/min
Speed regulation	electricial
Displacement	21,93 l
Engine w/o cooling system	1420 kg

Alternator data

Alternator model	Linz PRO35M G/4	LeroySomer TAL 049 B
Insulation Class	H	
Regulation type	AVR	
Execution	brushless	
Protection class	IP 23	
Airflow Requirement	3360 m ³ /h	3600 m ³ /h

Intake and exhaust system

Silencer type	industrial
Max. exhaust gas temperature	473 °C
Exhaust gas flow	6480 m³/h
Max. exhaust back pressure	59 mbar
Air filter type	replaceable element

Engine lubrication

Oil type	RID 10W30
Oil filter type	replaceable element
Total oil volume	40 l
Max. oil temperature	120 °C

Engine cooling

Cooling system	water + air
Cooling system capacity	114 l
Fan power consumption	24 kW
Cooling air flow	51600 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