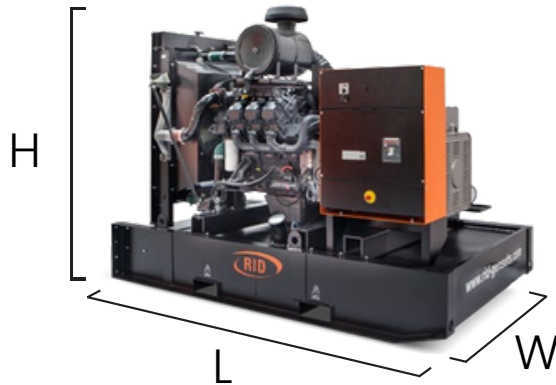


DATASHEET

RID 400 S-SERIES DIESEL GENERATOR 400 KVA



symbolic image



RID 400 S-SERIES S DIESEL GENERATOR 400 KVA



symbolic image



Power rating

Output power	
Power	400 kVA 320 kW
Current	577,3 A 461,8 A
Voltage	230 / 400 V
Frequency	50 Hz
Power factor	0,8 cos φ

Product overview

Order number open	713395	
Order number closed	713396	
Alternator model	Linz PRO22S D/4	LeroySomer TAL 044 D
Engine type	DEUTZ – BF8M1015C G1	
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	2800 mm	1614 mm	2224 mm	3900 kg	1000 l
Closed	4000 mm	1940 mm	2425 mm	4650 kg	1000 l

Noise level

	1 Meter	4 Meter	7 Meter	10 Meter
Open	86,7 dB(A)	86 dB(A)	84,5 dB(A)	83,6 dB(A)
Closed	79 dB(A)	75 dB(A)	71 dB(A)	70 dB(A)

Fuel consumption

	25% load	50% load	75% load	100% load
Consumption	27,9 l/h	46,4 l/h	69,3 l/h	93,7 l/h

Engine technical data

Engine output	380 kW
Engine type	DEUTZ - BF8M1015C G1
Engine size	6-Cylinder, in-line
Rotational-speed range	1500 u/min
Speed regulation	electricial
Displacement	15,9 l
Engine w/o cooling system	1060 kg

Alternator data

Alternator model	Linz PRO28L G/4	LeroySomer TAL 047 A
Insulation Class	H	
Regulation type	AVR	
Execution	brushless	
Protection class	IP 23	
Airflow Requirement	2664 m ³ /h	3240 m ³ /h

Intake and exhaust system

Silencer type	industrial
Max. exhaust gas temperature	515 °C
Exhaust gas flow	5375 m³/h
Max. exhaust back pressure	50 mbar
Air filter type	replaceable element

Engine lubrication

Oil type	RID 10W30
Oil filter type	replaceable element
Total oil volume	43 l
Max. oil temperature	130 °C

Engine cooling

Cooling system	water + air
Cooling system capacity	102 l
Fan power consumption	8,7 kW
Cooling air flow	21960 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