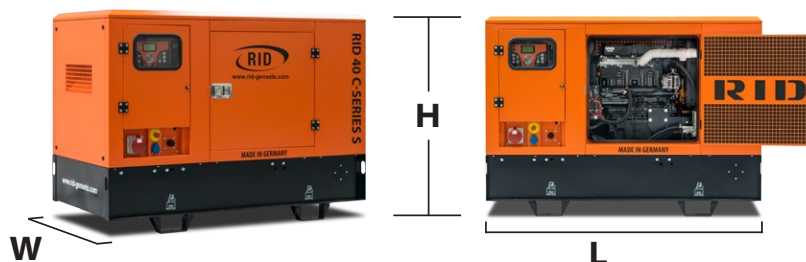


## RID 40 C-SERIES S

### DIESEL GENERATOR SET 40 KVA



#### POWER RATING

OUTPUT RATINGS		PRIME	STANDBY
Power	kVA   kW	40   32	44   35,3
Current	A	58	63,8
Voltage	V	230 / 400	230 / 400
Frequency	Hz	50	
Rated at power factor	cos φ	0,8	

#### POWER RATING DESCRIPTION

##### Prime Rating

The ratings are applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchased power. There is no limitation to the annual hours of operation and this model can supply 10% overload power for 1 hour in 12 hours.

##### Standby Rating

The ratings are applicable for supplying continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted on these ratings. The alternator on this model is peak continuous rated (as defined in ISO 8528-3).

#### PRODUCT OVERVIEW

RATINGS DATA	
Order number Generator	713794
Alternator Model	Linz PRO18M E/4
Engine Type	IVECO - F32SM1A
Generator type	synchronous
Protection class	IP 23
Control Panel	RID 1000 A

#### DIMENSIONS AND WEIGHTS

LENGTH (L)	WIDTH (W)	HEIGHT (H)	WEIGHT	TANK CAPACITY
1800 mm	940 mm	1310 mm	900 kg	230 l

#### NOISE LEVEL

1 METER	4 METER	7 METER	10 METER
77 dB(A)	72 dB(A)	66 dB(A)	63 dB(A)

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### DIESEL GENERATOR SET 40 KVA



#### ENGINE TECHNICAL DATA

ENGINE TECHNICAL DATA		PRIME	STANDBY
Engine output	kW	38,2	42
Engine type		IVECO - F32SM1A	
Engine size		4-Cylinder; in-line	
Injection system		direct	
Rotational-speed range	rpm	1500	
Bore   Stroke	mm	99   104	
Cooling system		water + air	
Speed regulation		mechanical	
Compression ratio		17	
Displacement	l	3,2	
Weight with cooling system	kg	380	

#### FUEL SYSTEM

POWER STANDARD		25%	50%	75%	100%
Fuel consumption PRIME	l/h	-	5,6	9,0	10,6

#### EXHAUST SYSTEM

Silencer type		Industrial
Max. exhaust back pressure	mbar	50
max. exhaust gas temperature	°C	523

#### AIR SYSTEM

Air Filter Type		replaceable Element
Combustion air volume	m <sup>3</sup> /h	163,5
max. intake depression	mbar	20

#### COOLING SYSTEM

Cooling system		water + air
Cooling system capacity	l	15
Max. coolant outlet temperature	°C	103
Cooling air flow	m <sup>3</sup> /h	5760

#### LUBRICATION SYSTEM

Oil type		RID 10W40
Oil filter type		replaceable element
Total oil volume	l	10,5
Max. oil temperature	°C	115

## RID 40 C-SERIES S

### DIESEL GENERATOR SET 40 KVA



#### ALTERNATOR DATA

<b>Alternator Model</b>	Linz PRO18M E/4	
<b>Generator type</b>	synchronous	
<b>Insulation Class</b>	H	
<b>Regulation Type</b>	AVR	
<b>Control System</b>	self excited	
<b>Execution</b>	brushless	
<b>Protection class</b>	IP 23	
<b>Stator Winding</b>	Double layer with auxiliary winding	
<b>Rotor Winding</b>	I	with damping cage
<b>Winding Pitch</b>	2/3	
<b>THD at full load</b>	<3%	
<b>Overspeed</b>	rpm	2250
<b>Air Flow Requirement</b>	m <sup>3</sup> /h	588
<b>References</b>	EN60034-1 ISO8528-3 EN55011	

#### ALTERNATOR PERFORMANCE DATA

VOLTAGE SERIES STAR, V	RATED POWER (125°C/40°C), KVA   KW	X <sub>d</sub>	X' <sub>d</sub>	X'' <sub>d</sub>
380   220	42   33,6	280 %	22,2 %	8,9 %
400   230	42   33,6	253 %	20,0 %	8,0 %
415   240	42   33,6	235 %	18,6 %	7,4 %
440   254	36   28,8	179 %	14,2 %	5,7 %

#### CERTIFICATIONS AND NORMS

EN60034-1	ISO8528-3	EN55011	Outdoor Noise Equipment Directive 2000/14/EC
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## RID 40 C-SERIES S

### DIESEL GENERATOR SET 40 KVA



#### CONTROL PANEL

~ RID 1000 A ~

#### CONTROLLER FUNCTIONS

FUNCTIONS	RANGES, VALUES	
<b>operating modes</b>	automatic, manual, test and remote	available
<b>mains control with limits</b>	voltage, frequency, phase sequence	available
<b>generator control with limits</b>	voltage, frequency, power, phase sequence.	available
<b>engine control with limits</b>	start, stop, shutdown by alarms	available
<b>power control</b>	current, kW, kVA, kVA <sub>r</sub> , power factor	available
<b>statistic data mains</b>	voltage, frequency and current	available
<b>statistic data generator</b>	voltage, frequency and current	available
<b>fuel level control</b>	in % and in liters	available
<b>fuel consumption control and history</b>	in l/h	available
<b>working hours per day</b>	in h	available
<b>service hours</b>	in h	available
<b>battery service</b>	in h	available
<b>events log with time and date</b>	255 events	available
<b>alarm list programming</b>	77 alarms	available
<b>protocols</b>	GSM, Ethernet, Modbus, Canbus, RID protocol	available

#### REMOTE MONITORING FUNCTIONS

<b>mains voltage L1, L2, L3</b>	in V, AC	available	<b>engine temperature</b>	in °C,	optional
<b>generator voltage L1, L2, L3</b>	in V, AC	available	<b>enviroment temperature</b>	in °C,	optional
<b>genset battery voltage DC</b>	in V, DC	available	<b>generator run hours</b>	in h,	available
<b>mains power total</b>	in kW,	available	<b>generator maintanace hours</b>	in h,	available
<b>generator power total</b>	in kW,	available	<b>fuel level</b>	in L,	available
<b>mains frequency</b>	in Hz	available	<b>load on mains</b>	indication	available
<b>generator frequency</b>	in Hz	available	<b>load on generator</b>	indication	available
<b>current L1, L2, L3</b>	in A,	available	<b>mains supply</b>	indication	available
<b>power L1, L2, L3</b>	in kW,	available	<b>generator supply</b>	indication	available

#### SPECIFIC ALARMS

GENSET DOOR OPEN	FUEL TANK OPEN	AIR FILTER CLOGGING	FIRE ALARM
optional	optional	optional	optional