

RID 8 E-SERIES S

ANTI VANDAL GENSET 8 KVA



POWER RATING

OUTPUT RATINGS		PRIME	STANDBY
Power	kVA kW	8 6,3	8,8 6,9
Current	A	11,5	12,6
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	713111
Alternator Model	Meccalte ECP 3-2S/4
Engine Type	MITSUBISHI - L3E
Generator type	synchronous
Protection class	IP 23
Control Panel	RID 1000 A

DIMENSIONS AND WEIGHTS

LENGTH (L)	WIDTH (W)	HEIGHT (H)	WEIGHT	TANK CAPACITY
1650 mm	1100 mm	1575 mm	595 kg	up to 1000 liters

NOISE LEVEL

1 METER	4 METER	7 METER	10 METER
72 dB(A)	63 dB(A)	59 dB(A)	56,5 dB(A)

RID 8 E-SERIES S

ANTI VANDAL GENSET 8 KVA



ENGINE TECHNICAL DATA

ENGINE TECHNICAL DATA		PRIME
Engine output	kW	6,3
Engine type		MITSUBISHI - L3E
Engine size		3-Cylinder; in-line
Injection system		Inline diesel injection pump
Rotational-speed range	rpm	1500
Bore Stroke	mm	78 92
Cooling system		water + air
Speed regulation		mechanical
Compression ratio		23:1
Displacement	l	0,95
Engine w/o cooling system	kg	90

FUEL SYSTEM

POWER STANDARD		25%	50%	75%	100%
Fuel consumption PRIME	l/h	0,8	1,3	1,8	2,2

EXHAUST SYSTEM

Silencer type		Industrial
Max. exhaust back pressure	mbar	65
Exhaust gas flow	m ³ /h	108

LUBRICATION SYSTEM

Oil type		RID 10W40
Oil filter type		replaceable element
Total oil volume	l	4,7

COOLING SYSTEM

Cooling system		water + air
Cooling system capacity (Engine)	l	1,8
Fan power consumption	kW	0,1

AIR SYSTEM

Air Filter Type		replaceable Element
Combustion air volume	m ³ /h	39
max. intake depression	mbar	19,6

RID 8 E-SERIES S

ANTI VANDAL GENSET 8 KVA



ALTERNATOR DATA

Alternator Model	Meccalte ECP 3-2S/4	
Generator type	synchronous	
Insulation Class	H	
Regulation Type	±1 % with any power factor and speed variations between -5% +30%	
Control System	self excited	
Execution	brushless	
Protection class	IP 23	
Stator Winding	12 ends	
Rotor Winding	I	with damping cage
Short Circuit Current Capacity	>300%	
THD at full load	2,8%	
Overspeed	rpm	2250
Air Flow Requirement	m ³ /h	210
References	EN61000-6-3	EN61000-6-2

ALTERNATOR PERFORMANCE DATA

VOLTAGE SERIES STAR, V	RATED POWER (125°C/40°C), KVA KW	X _d	X' _d	X'' _d
380	8 6,4	201,7 %	18,2 %	13,1 %
400	8 6,4	182 %	16,4 %	11,8 %
415	8 6,4	169,1 %	15,2 %	11 %
440	6,8 5,4	127,9 %	11,5 %	8,3 %

CERTIFICATIONS AND NORMS

EN60034-1	ISO8528-3	EN55011	Outdoor Noise Equipment Directive 2000/14/EC
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RID 8 E-SERIES S

ANTI VANDAL GENSET 8 KVA



CONTROL PANEL

~ RID 1000 A ~

CONTROLLER FUNCTIONS

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

REMOTE MONITORING FUNCTIONS

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

SPECIFIC ALARMS

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

RID 10 E-SERIES S

ANTI VANDAL GENSET 10 KVA



POWER RATING

OUTPUT RATINGS		PRIME	STANDBY
Power	kVA kW	10 8	11 8,8
Current	A	14,4	15,8
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	713192
Alternator Model	Linz E1X13S C/4
Engine Type	MITSUBISHI - S3L2
Generator type	synchronous
Protection class	IP 23
Control Panel	RID 1000 A

DIMENSIONS AND WEIGHTS

LENGTH (L)	WIDTH (W)	HEIGHT (H)	WEIGHT	TANK CAPACITY
1650 mm	1100 mm	1575 mm	655 kg	up to 1000 liters

NOISE LEVEL

1 METER	4 METER	7 METER	10 METER
72 dB(A)	64 dB(A)	59,5 dB(A)	57 dB(A)

RID 10 E-SERIES S

ANTI VANDAL GENSET 10 KVA



ENGINE TECHNICAL DATA

ENGINE TECHNICAL DATA		PRIME	STANDBY
Engine output	kW	9,9	11,0
Engine type		MITSUBISHI - S3L2	
Engine size		3-Cylinder; in-line	
Injection system		Inline diesel injection pump	
Rotational-speed range	rpm	1500	
Bore Stroke	mm	78 92	
Cooling system		water + air	
Speed regulation		mechanical	
Compression ratio		22:1	
Displacement	l	1,3	
Engine w/o cooling system	kg	150	

FUEL SYSTEM

POWER STANDARD		25%	50%	75%	100%
Fuel consumption PRIME	l/h	1,3	1,9	2,4	3,1
Fuel consumption STANDBY	l/h	-	-	-	-

EXHAUST SYSTEM

Silencer type		Industrial
Max. exhaust back pressure	mbar	65
Exhaust gas flow	m ³ /h	132

LUBRICATION SYSTEM

Oil type		RID 10W40
Oil filter type		replaceable element
Total oil volume	l	4,2

COOLING SYSTEM

Cooling system		water + air
Cooling system capacity (Engine)	l	1,8
Fan power consumption	kW	0,2

AIR SYSTEM

Air Filter Type		replaceable Element
Combustion air volume	m ³ /h	54
max. intake depression	mbar	19,6

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ANTI VANDAL GENSET 10 KVA



ALTERNATOR DATA

Alternator Model	Linz E1X13S C/4	
Generator type	synchronous	
Insulation Class	H	
Regulation Type	AVR	
Control System	self excited	
Execution	brushless	
Protection class	IP 21	
Stator Winding	Double layer with auxiliary winding	
Rotor Winding	I	with damping cage
Winding Pitch	2/3	
THD at full load	<3%	
Overspeed	rpm	2250
Air Flow Requirement	m ³ /h	270
References	EN60034-1 ISO8528-3 EN55011	

ALTERNATOR PERFORMANCE DATA

VOLTAGE SERIES STAR, V	RATED POWER (125°C/40°C), KVA KW	X _d	X' _d	X'' _d
380 220	10 8	244 %	19,9 %	8,4 %
400 230	10 8	220 %	18,0 %	7,6 %
415 240	10 8	204 %	16,7 %	7,1 %
440 254	9 7,2	164 %	13,4 %	5,7 %

CERTIFICATIONS AND NORMS

EN60034-1	ISO8528-3	EN55011	Outdoor Noise Equipment Directive 2000/14/EC
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RID 10 E-SERIES S

ANTI VANDAL GENSET 10 KVA



CONTROL PANEL

~ RID 1000 A ~

CONTROLLER FUNCTIONS

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

REMOTE MONITORING FUNCTIONS

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

SPECIFIC ALARMS

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

RID 15 E-SERIES S

ANTI VANDAL GENSET 15 KVA



POWER RATING

OUTPUT RATINGS		PRIME	STANDBY
Power	kVA kW	15 12	16,5 13,2
Current	A	21,7	23,8
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	713199
Alternator Model	Linz E1X13M F/4
Engine Type	MITSUBISHI - S4L2
Generator type	synchronous
Protection class	IP 23
Control Panel	RID 1000 A

DIMENSIONS AND WEIGHTS

LENGTH (L)	WIDTH (W)	HEIGHT (H)	WEIGHT	TANK CAPACITY
1650 mm	1100 mm	1575 mm	700 kg	up to 1000 liters

NOISE LEVEL

1 METER	4 METER	7 METER	10 METER
74 dB(A)	65,75 dB(A)	61 dB(A)	59,5 dB(A)

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ENGINE TECHNICAL DATA

ENGINE TECHNICAL DATA		PRIME
Engine output	kW	14,5
Engine type		MITSUBISHI - S4L2
Engine size		4-Cylinder; in-line
Injection system		Inline diesel injection pump
Rotational-speed range	rpm	1500
Bore Stroke	mm	78 92
Cooling system		water + air
Speed regulation		mechanical
Compression ratio		22:1
Displacement	l	1,76
Engine w/o cooling system	kg	160

FUEL SYSTEM

POWER STANDARD		25%	50%	75%	100%
Fuel consumption PRIME	l/h	1,9	2,6	3,45	4,4

EXHAUST SYSTEM

Silencer type		Industrial
Max. exhaust back pressure	mbar	65
Exhaust gas flow	m ³ /h	234

LUBRICATION SYSTEM

Oil type		RID 10W40
Oil filter type		replaceable element
Total oil volume	l	6,0

COOLING SYSTEM

Cooling system		water + air
Cooling system capacity (Engine)	l	2,5
Fan power consumption	kW	0,6

AIR SYSTEM

Air Filter Type		replaceable Element
Combustion air volume	m ³ /h	87
max. intake depression	mbar	19,6

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ANTI VANDAL GENSET 15 KVA



ALTERNATOR DATA

Alternator Model	Linz E1X13M F/4	
Generator type	synchronous	
Insulation Class	H	
Regulation Type	AVR	
Control System	self excited	
Execution	brushless	
Protection class	IP 21	
Stator Winding	Double layer with auxiliary winding	
Rotor Winding	I	with damping cage
Winding Pitch	2/3	
THD at full load	<3%	
Overspeed	rpm	2250
Air Flow Requirement	m ³ /h	246
References	EN60034-1 ISO8528-3 EN55011	

ALTERNATOR PERFORMANCE DATA

VOLTAGE SERIES STAR, V	RATED POWER (125°C/40°C), KVA KW	X _d	X' _d	X'' _d
380 220	16 12,8	288 %	22,2 %	8,5 %
400 230	16 12,8	260 %	20,0 %	7,7 %
415 240	15,5 12,4	234 %	18,0 %	6,9 %
440 254	14 11,2	188 %	14,5 %	5,6 %

CERTIFICATIONS AND NORMS

EN60034-1	ISO8528-3	EN55011	Outdoor Noise Equipment Directive 2000/14/EC
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RID 15 E-SERIES S

ANTI VANDAL GENSET 15 KVA



CONTROL PANEL

~ RID 1000 A ~

CONTROLLER FUNCTIONS

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

REMOTE MONITORING FUNCTIONS

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

SPECIFIC ALARMS

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

RID 15 S-SERIES S

ANTI VANDAL GENSET 15 KVA



POWER RATING

OUTPUT RATINGS		PRIME	STANDBY
Power	kVA kW	15 12	16,5 13,2
Current	A	21,7	23,8
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	713273
Alternator Model	Linz SLT18 MC
Engine Type	DEUTZ F3M2011
Generator type	synchronous
Protection class	IP 23
Control Panel	RID 1000 A

DIMENSIONS AND WEIGHTS

LENGTH (L)	WIDTH (W)	HEIGHT (H)	WEIGHT	TANK CAPACITY
1650 mm	1100 mm	1575 mm	840 kg	up to 1000 liters

NOISE LEVEL

1 METER	4 METER	7 METER	10 METER
74 dB(A)	72,75 dB(A)	62 dB(A)	60,75 dB(A)

RID 15 S-SERIES S

ANTI VANDAL GENSET 15 KVA



ENGINE TECHNICAL DATA

ENGINE TECHNICAL DATA		PRIME	STANDBY
Engine output	kW	20,4	21,4
Engine type		DEUTZ F3M2011	
Engine size		3-Cylinder; in-line	
Injection system		single injection pump	
Rotational-speed range	rpm	1500	
Bore Stroke	mm	94 112	
Cooling system		oil + air	
Speed regulation		mechanical	
Compression ratio		19:1	
Displacement	l	2,3	
Engine with cooling system	kg	265	

FUEL SYSTEM

POWER STANDARD		25%	50%	75%	100%
Fuel consumption PRIME	l/h	1,9	2,9	4,2	5,8

COOLING SYSTEM

Cooling system	oil + air	
Cooling system capacity	l	9
Max. coolant outlet temperature	°C	128
Heat dissipation (radiator)	kW	10,9
Fan power consumption	kW	0,4
Cooling air flow	m ³ /h	1800

AIR SYSTEM

Air Filter Type	replaceable Element	
Combustion air volume	m ³ /h	86
max. intake depression	mbar	20

LUBRICATION SYSTEM

Oil type	RID 5W30	
Oil filter type	replaceable element	
Total oil volume	l	9
Max. oil temperature	°C	130

EXHAUST SYSTEM

Silencer type	Industrial	
Max. exhaust back pressure	mbar	30
max. exhaust gas temperature	°C	611
Exhaust gas flow	m ³ /h	236

RID 15 S-SERIES S

ANTI VANDAL GENSET 15 KVA



ALTERNATOR DATA

Alternator Model	Linz SLT18 MC	
Generator type	synchronous	
Insulation Class	H	
Regulation Type	AVR	
Control System	self excited	
Execution	brushless	
Protection class	IP 23	
Stator Winding	Double layer with auxiliary winding	
Rotor Winding	I	with damping cage
Winding Pitch	2/3	
THD at full load	<3%	
Overspeed	rpm	2250
Air Flow Requirement	m ³ /h	312
References	EN60034-1 ISO8528-3 EN55011	

ALTERNATOR PERFORMANCE DATA

VOLTAGE SERIES STAR, V	RATED POWER (125°C/40°C), KVA KW	X _d	X' _d	X'' _d
380 220	15 12	263 %	19,9 %	8,9 %
400 230	15 12	237 %	18,0 %	8,0 %
415 240	15 12	220 %	16,7 %	7,4 %
440 254	12 9,6	157 %	11,9 %	5,3 %

CERTIFICATIONS AND NORMS

EN60034-1	ISO8528-3	EN55011	Outdoor Noise Equipment Directive 2000/14/EC
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RID 15 S-SERIES S

ANTI VANDAL GENSET 15 KVA



CONTROL PANEL

~ RID 1000 A ~

CONTROLLER FUNCTIONS

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

REMOTE MONITORING FUNCTIONS

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

SPECIFIC ALARMS

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

RID 20 E-SERIES S

ANTI VANDAL GENSET 20 KVA



POWER RATING

OUTPUT RATINGS		PRIME	STANDBY
Power	kVA kW	20 16	22 17,6
Current	A	29	31,9
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	713168
Alternator Model	Linz SLT18 MD
Engine Type	MITSUBISHI - S4Q2
Generator type	synchronous
Protection class	IP 23
Control Panel	RID 1000 A

DIMENSIONS AND WEIGHTS

LENGTH (L)	WIDTH (W)	HEIGHT (H)	WEIGHT	TANK CAPACITY
1650 mm	1100 mm	1575 mm	860 kg	up to 1000 liters

NOISE LEVEL

1 METER	4 METER	7 METER	10 METER
75,5 dB(A)	65,25 dB(A)	61,25 dB(A)	59 dB(A)

RID 20 E-SERIES S

ANTI VANDAL GENSET 20 KVA



ENGINE TECHNICAL DATA

ENGINE TECHNICAL DATA		PRIME	STANDBY
Engine output	kW	20,3	22,2
Engine type		MITSUBISHI - S4Q2	
Engine size		4-Cylinder; in-line	
Injection system		Inline diesel injection pump	
Rotational-speed range	rpm	1500	
Bore Stroke	mm	88 103	
Cooling system		water + air	
Speed regulation		mechanical	
Compression ratio		22:1	
Displacement	l	2,5	
Engine w/o cooling system	kg	195	

FUEL SYSTEM

POWER STANDARD		25%	50%	75%	100%
Fuel consumption PRIME	l/h	2,45	3,5	4,7	6,4

EXHAUST SYSTEM

Silencer type		Industrial
Max. exhaust back pressure	mbar	66,7
Exhaust gas flow	m ³ /h	270

LUBRICATION SYSTEM

Oil type		RID 10W40
Oil filter type		replaceable element
Total oil volume	l	6,5

COOLING SYSTEM

Cooling system		water + air
Cooling system capacity (Engine)	l	4,0
Fan power consumption	kW	0,7

AIR SYSTEM

Air Filter Type		replaceable Element
Combustion air volume	m ³ /h	102
max. intake depression	mbar	19,6

RID 20 E-SERIES S

ANTI VANDAL GENSET 20 KVA



ALTERNATOR DATA

Alternator Model	Linz SLT18 MD	
Generator type	synchronous	
Insulation Class	H	
Regulation Type	AVR	
Control System	self excited	
Execution	brushless	
Protection class	IP 23	
Stator Winding	Double layer with auxiliary winding	
Rotor Winding	I	with damping cage
Winding Pitch	2/3	
THD at full load	<3%	
Overspeed	rpm	2250
Air Flow Requirement	m ³ /h	330
References	EN60034-1 ISO8528-3 EN55011	

ALTERNATOR PERFORMANCE DATA

VOLTAGE SERIES STAR, V	RATED POWER (125°C/40°C), KVA KW	X _d	X' _d	X'' _d
380 220	20 16	268 %	21,1 %	10,0 %
400 230	20 16	242 %	19,0 %	9,0 %
415 240	20 16	225 %	17,7 %	8,4 %
440 254	18 14,4	180 %	14,1 %	6,7 %

CERTIFICATIONS AND NORMS

EN60034-1	ISO8528-3	EN55011	Outdoor Noise Equipment Directive 2000/14/EC
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RID 20 E-SERIES S

ANTI VANDAL GENSET 20 KVA



CONTROL PANEL

~ RID 1000 A ~

CONTROLLER FUNCTIONS

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

REMOTE MONITORING FUNCTIONS

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

SPECIFIC ALARMS

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

RID 20 S-SERIES S

ANTI VANDAL GENSET 20 KVA



POWER RATING

OUTPUT RATINGS		PRIME	STANDBY
Power	kVA kW	20 16	22 17,6
Current	A	29	31,9
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	713277
Alternator Model	Linz SLT18 MD
Engine Type	DEUTZ F3M2011
Generator type	synchronous
Protection class	IP 23
Control Panel	RID 1000 A

DIMENSIONS AND WEIGHTS

LENGTH (L)	WIDTH (W)	HEIGHT (H)	WEIGHT	TANK CAPACITY
1650 mm	1100 mm	1575 mm	860 kg	up to 1000 liters

NOISE LEVEL

1 METER	4 METER	7 METER	10 METER
76 dB(A)	73,75 dB(A)	65,38 dB(A)	61,75 dB(A)

RID 20 S-SERIES S

ANTI VANDAL GENSET 20 KVA



ENGINE TECHNICAL DATA

ENGINE TECHNICAL DATA		PRIME	STANDBY
Engine output	kW	20,4	21,4
Engine type		DEUTZ F3M2011	
Engine size		3-Cylinder; in-line	
Injection system		single injection pump	
Rotational-speed range	rpm	1500	
Bore Stroke	mm	94 112	
Cooling system		oil + air	
Speed regulation		mechanical	
Compression ratio		19:1	
Displacement	l	2,3	
Engine with cooling system	kg	265	

FUEL SYSTEM

POWER STANDARD		25%	50%	75%	100%
Fuel consumption PRIME	l/h	1,9	2,9	4,2	5,8

COOLING SYSTEM

Cooling system		oil + air
Cooling system capacity	l	9
Max. coolant outlet temperature	°C	128
Heat dissipation (radiator)	kW	10,9
Fan power consumption	kW	0,4
Cooling air flow	m ³ /h	1800

AIR SYSTEM

Air Filter Type		replaceable Element
Combustion air volume	m ³ /h	86
max. intake depression	mbar	20

LUBRICATION SYSTEM

Oil type		RID 5W30
Oil filter type		replaceable element
Total oil volume	l	9
Max. oil temperature	°C	130

EXHAUST SYSTEM

Silencer type		Industrial
Max. exhaust back pressure	mbar	30
max. exhaust gas temperature	°C	611
Exhaust gas flow	m ³ /h	236

RID 20 S-SERIES S

ANTI VANDAL GENSET 20 KVA



ALTERNATOR DATA

Alternator Model	Linz SLT18 MD	
Generator type	synchronous	
Insulation Class	H	
Regulation Type	AVR	
Control System	self excited	
Execution	brushless	
Protection class	IP 23	
Stator Winding	Double layer with auxiliary winding	
Rotor Winding	I	with damping cage
Winding Pitch	2/3	
THD at full load	<3%	
Overspeed	rpm	2250
Air Flow Requirement	m ³ /h	330
References	EN60034-1 ISO8528-3 EN55011	

ALTERNATOR PERFORMANCE DATA

VOLTAGE SERIES STAR, V	RATED POWER (125°C/40°C), KVA KW	X _d	X' _d	X'' _d
380 220	20 16	268 %	21,1 %	10,0 %
400 230	20 16	242 %	19,0 %	9,0 %
415 240	20 16	225 %	17,7 %	8,4 %
440 254	18 14,4	180 %	14,1 %	6,7 %

CERTIFICATIONS AND NORMS

EN60034-1	ISO8528-3	EN55011	Outdoor Noise Equipment Directive 2000/14/EC
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RID 20 S-SERIES S

ANTI VANDAL GENSET 20 KVA



CONTROL PANEL

~ RID 1000 A ~

CONTROLLER FUNCTIONS

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

REMOTE MONITORING FUNCTIONS

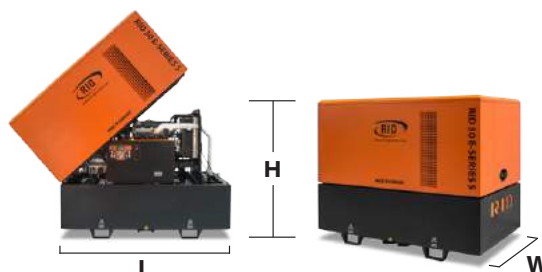
mains voltage L1, L2, L3	in V, AC	available	engine temperature	in °C,	optional
generator voltage L1, L2, L3	in V, AC	available	environment temperature	in °C,	optional
genset battery voltage DC	in V, DC	available	generator run hours	in h,	available
mains power total	in kW,	available	generator maintenance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

SPECIFIC ALARMS

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

RID 30 E-SERIES S

ANTI VANDAL GENSET 30 KVA



POWER RATING

OUTPUT RATINGS		PRIME	STANDBY
Power	kVA kW	30 24	33 26,2
Current	A	43	47,4
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	713265
Alternator Model	Linz PRO18S C/4
Engine Type	MITSUBISHI - S4S
Generator type	synchronous
Protection class	IP 23
Control Panel	RID 1000 A

DIMENSIONS AND WEIGHTS

LENGTH (L)	WIDTH (W)	HEIGHT (H)	WEIGHT	TANK CAPACITY
1850 mm	1100 mm	1490 mm	960 kg	up to 1000 liters

NOISE LEVEL

1 METER	4 METER	7 METER	10 METER
75 dB(A)	67 dB(A)	62,25 dB(A)	60,6 dB(A)

RID 30 E-SERIES S

ANTI VANDAL GENSET 30 KVA



ENGINE TECHNICAL DATA

ENGINE TECHNICAL DATA		PRIME	STANDBY
Engine output	kW	27,6	30,5
Engine type		MITSUBISHI - S4S	
Engine size		4-Cylinder; in-line	
Injection system		Inline diesel injection pump	
Rotational-speed range	rpm	1500	
Bore Stroke	mm	94 120	
Cooling system		water + air	
Speed regulation		mechanical	
Compression ratio		22:1	
Displacement	l	3,33	
Engine w/o cooling system	kg	245	

FUEL SYSTEM

POWER STANDARD		25%	50%	75%	100%
Fuel consumption PRIME	l/h	2,8	4,3	6,3	8,4

EXHAUST SYSTEM

Silencer type		Industrial
Max. exhaust back pressure	mbar	67,0
Exhaust gas flow	m ³ /h	360

LUBRICATION SYSTEM

Oil type		RID 10W40
Oil filter type		replaceable element
Total oil volume	l	10

COOLING SYSTEM

Cooling system		water + air
Cooling system capacity (Engine)	l	5,5
Fan power consumption	kW	0,7

AIR SYSTEM

Air Filter Type		replaceable Element
Combustion air volume	m ³ /h	132
max. intake depression	mbar	19,6

RID 30 E-SERIES S

ANTI VANDAL GENSET 30 KVA



ALTERNATOR DATA

Alternator Model	Linz PRO18S C/4	
Generator type	synchronous	
Insulation Class	H	
Regulation Type	AVR	
Control System	self excited	
Execution	brushless	
Protection class	IP 23	
Stator Winding	Double layer with auxiliary winding	
Rotor Winding	I	with damping cage
Winding Pitch	2/3	
THD at full load	<3%	
Overspeed	rpm	2250
Air Flow Requirement	m ³ /h	414
References	EN60034-1 ISO8528-3 EN55011	

ALTERNATOR PERFORMANCE DATA

VOLTAGE SERIES STAR, V	RATED POWER (125°C/40°C), KVA KW	X _d	X' _d	X'' _d
380 220	30 24	269 %	21,1 %	8,9 %
400 230	30 24	243 %	19,0 %	8,0 %
415 240	30 24	226 %	17,7 %	7,4 %
440 254	25 20	167 %	13,1 %	5,5 %

CERTIFICATIONS AND NORMS

EN60034-1	ISO8528-3	EN55011	Outdoor Noise Equipment Directive 2000/14/EC
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RID 30 E-SERIES S

ANTI VANDAL GENSET 30 KVA



CONTROL PANEL

~ RID 1000 A ~

CONTROLLER FUNCTIONS

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

REMOTE MONITORING FUNCTIONS

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

SPECIFIC ALARMS

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

RID 30 S-SERIES S

ANTI VANDAL GENSET 30 KVA



POWER RATING

OUTPUT RATINGS		PRIME	STANDBY
Power	kVA kW	30 24	33 26,2
Current	A	43	47,4
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	713432
Alternator Model	Linz PRO18S C/4
Engine Type	DEUTZ F4M2011
Generator type	synchronous
Protection class	IP 23
Control Panel	RID 1000 A

DIMENSIONS AND WEIGHTS

LENGTH (L)	WIDTH (W)	HEIGHT (H)	WEIGHT	TANK CAPACITY
1850 mm	1100 mm	1320 mm	920 kg	up to 1000 liters

NOISE LEVEL

1 METER	4 METER	7 METER	10 METER
75 dB(A)	67 dB(A)	62,25 dB(A)	60,6 dB(A)

RID 30 S-SERIES S

ANTI VANDAL GENSET 30 KVA



ENGINE TECHNICAL DATA

ENGINE TECHNICAL DATA		PRIME	STANDBY
Engine output	kW	29,4	30,9
Engine type		DEUTZ F4M2011	
Engine size		4-Cylinder; in-line	
Injection system		single injection pump	
Rotational-speed range	rpm	1500	
Bore Stroke	mm	94 112	
Cooling system		oil + air	
Speed regulation		mechanical	
Compression ratio		19:1	
Displacement	l	3,1	
Engine with cooling system	kg	303	

FUEL SYSTEM

POWER STANDARD		25%	50%	75%	100%
Fuel consumption PRIME	l/h	2,4	4,0	5,8	8,0

COOLING SYSTEM

Cooling system	oil + air	
Cooling system capacity	l	13,5
Max. coolant outlet temperature	°C	128
Heat dissipation (radiator)	kW	16,1
Fan power consumption	kW	0,4
Cooling air flow	m ³ /h	1800

AIR SYSTEM

Air Filter Type	replaceable Element	
Combustion air volume	m ³ /h	122
max. intake depression	mbar	20

LUBRICATION SYSTEM

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

EXHAUST SYSTEM

Silencer type	Industrial	
Max. exhaust back pressure	mbar	30
max. exhaust gas temperature	°C	599
Exhaust gas flow	m ³ /h	337

RID 30 S-SERIES S

ANTI VANDAL GENSET 30 KVA



ALTERNATOR DATA

Alternator Model	Linz PRO18S C/4	
Generator type	synchronous	
Insulation Class	H	
Regulation Type	AVR	
Control System	self excited	
Execution	brushless	
Protection class	IP 23	
Stator Winding	Double layer with auxiliary winding	
Rotor Winding	I	with damping cage
Winding Pitch	2/3	
THD at full load	<3%	
Overspeed	rpm	2250
Air Flow Requirement	m ³ /h	414
References	EN60034-1 ISO8528-3 EN55011	

ALTERNATOR PERFORMANCE DATA

VOLTAGE SERIES STAR, V	RATED POWER (125°C/40°C), KVA KW	X _d	X' _d	X'' _d
380 220	30 24	269 %	21,1 %	8,9 %
400 230	30 24	243 %	19,0 %	8,0 %
415 240	30 24	226 %	17,7 %	7,4 %
440 254	25 20	167 %	13,1 %	5,5 %

CERTIFICATIONS AND NORMS

EN60034-1	ISO8528-3	EN55011	Outdoor Noise Equipment Directive 2000/14/EC
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RID 30 S-SERIES S

ANTI VANDAL GENSET 30 KVA



CONTROL PANEL

~ RID 1000 A ~

CONTROLLER FUNCTIONS

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

REMOTE MONITORING FUNCTIONS

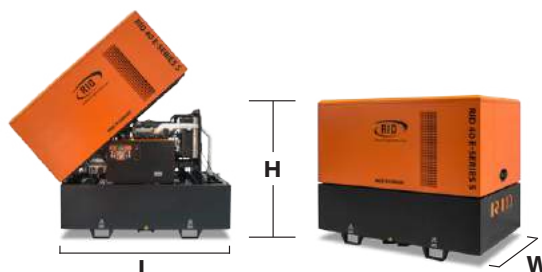
mains voltage L1, L2, L3	in V, AC	available	engine temperature	in °C,	optional
generator voltage L1, L2, L3	in V, AC	available	enviroment temperature	in °C,	optional
genset battery voltage DC	in V, DC	available	generator run hours	in h,	available
mains power total	in kW,	available	generator maintanace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

SPECIFIC ALARMS

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

RID 40 E-SERIES S

ANTI VANDAL GENSET 40 KVA



POWER RATING

OUTPUT RATINGS		PRIME	STANDBY
Power	kVA kW	40 32	44 35,2
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	713683
Alternator Model	Linz PRO18M E/4
Engine Type	MITSUBISHI - S4S-DT
Generator type	synchronous
Protection class	IP 23
Control Panel	RID 1000 A

DIMENSIONS AND WEIGHTS

LENGTH (L)	WIDTH (W)	HEIGHT (H)	WEIGHT	TANK CAPACITY
1850 mm	1110 mm	1400 mm	1050 kg	up to 1000 l

NOISE LEVEL

1 METER	4 METER	7 METER	10 METER
75 dB(A)	67 dB(A)	62,25 dB(A)	60,6 dB(A)

RID 40 E-SERIES S

ANTI VANDAL GENSET 40 KVA



ENGINE TECHNICAL DATA

ENGINE TECHNICAL DATA		PRIME	STANDBY
Engine output	kW	36,8	40,5
Engine type		MITSUBISHI - S4S-DT	
Engine size		4-Cylinder; in-line	
Injection system		direct injection type	
Rotational-speed range	rpm	1500	
Bore Stroke	mm	94 120	
Cooling system		water + air	
Speed regulation		mechanical	
Compression ratio		17:1	
Displacement	l	3,33	
Engine w/o cooling system	kg	250	

FUEL SYSTEM

POWER STANDARD		25%	50%	75%	100%
Fuel consumption PRIME	l/h	3,0	5,1	7,5	9,7

EXHAUST SYSTEM

Silencer type		Industrial
Max. exhaust back pressure	mbar	67,0
Exhaust gas flow	m ³ /h	474

LUBRICATION SYSTEM

Oil type		RID 10W40
Oil filter type		replaceable element
Total oil volume	l	10

COOLING SYSTEM

Cooling system		water + air
Cooling system capacity (Engine)	l	5,5
Fan power consumption	kW	0,7

AIR SYSTEM

Air Filter Type		replaceable Element
Combustion air volume	m ³ /h	177
max. intake depression	mbar	19,6

RID 40 E-SERIES S

ANTI VANDAL GENSET 40 KVA



ALTERNATOR DATA

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

ALTERNATOR PERFORMANCE DATA

VOLTAGE SERIES STAR, V	RATED POWER (125°C/40°C), KVA KW	X _d	X' _d	X'' _d
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 E-SERIES S

ANTI VANDAL GENSET 40 KVA



CONTROL PANEL

~ RID 1000 A ~

CONTROLLER FUNCTIONS

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

REMOTE MONITORING FUNCTIONS

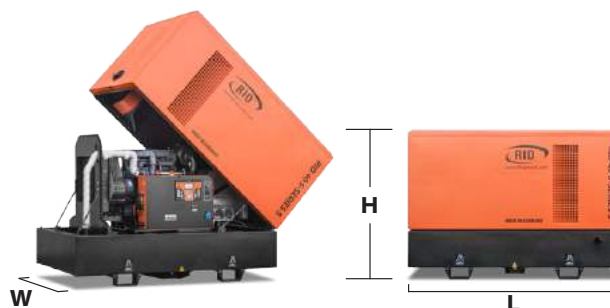
mains voltage L1, L2, L3	in V, AC	available	engine temperature	in °C,	optional
generator voltage L1, L2, L3	in V, AC	available	enviroment temperature	in °C,	optional
genset battery voltage DC	in V, DC	available	generator run hours	in h,	available
mains power total	in kW,	available	generator maintanace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

SPECIFIC ALARMS

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

RID 40 S-SERIES S

ANTI VANDAL GENSET 40 KVA



POWER RATING

OUTPUT RATINGS		PRIME	STANDBY
Power	kVA kW	40 32	44 35,2
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	713440
Alternator Model	Linz PRO18M E/4
Engine Type	DEUTZ BF4M2011
Generator type	synchronous
Protection class	IP 23
Control Panel	RID 1000 A

DIMENSIONS AND WEIGHTS

LENGTH (L)	WIDTH (W)	HEIGHT (H)	WEIGHT	TANK CAPACITY
1850 mm	1110 mm	1320 mm	980 kg	up to 1000 l

NOISE LEVEL

1 METER	4 METER	7 METER	10 METER
75 dB(A)	67,1 dB(A)	63 dB(A)	60,2 dB(A)

RID 40 S-SERIES S

ANTI VANDAL GENSET 40 KVA



ENGINE TECHNICAL DATA

ENGINE TECHNICAL DATA		PRIME	STANDBY
Engine output	kW	39,2	41,2
Engine type		DEUTZ BF4M2011	
Engine size		4-Cylinder; in-line	
Injection system		single injection pump	
Rotational-speed range	rpm	1500	
Bore Stroke	mm	94 112	
Cooling system		oil + air	
Speed regulation		mechanical	
Compression ratio		18:1	
Displacement	l	3,1	
Engine with cooling system	kg	304	

FUEL SYSTEM

POWER STANDARD		25%	50%	75%	100%
Fuel consumption PRIME	l/h	3,1	5,3	8,1	11,3

EXHAUST SYSTEM

Silencer type		Industrial
Max. exhaust back pressure	mbar	30
max. exhaust gas temperature	°C	611
Exhaust gas flow	m ³ /h	468

LUBRICATION SYSTEM

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

COOLING SYSTEM

Cooling system		oil + air
Cooling system capacity	l	13,5
Max. coolant outlet temperature	°C	128
Heat dissipation (radiator)	kW	23
Heat dissipation (CAC)	kW	-
Fan power consumption	kW	1,0
Cooling air flow	m ³ /h	2370

AIR SYSTEM

Air Filter Type		replaceable Element
Combustion air volume	m ³ /h	168
max. intake depression	mbar	20

RID 40 S-SERIES S

ANTI VANDAL GENSET 40 KVA



ALTERNATOR DATA

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

ALTERNATOR PERFORMANCE DATA

VOLTAGE SERIES STAR, V	RATED POWER (125°C/40°C), KVA KW	X _d	X' _d	X'' _d
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 S-SERIES S

ANTI VANDAL GENSET 40 KVA



CONTROL PANEL

~ RID 1000 A ~

CONTROLLER FUNCTIONS

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

REMOTE MONITORING FUNCTIONS

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

SPECIFIC ALARMS

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