MADE IN GERMANY

DIESEL GENERATOR SETS

POWER RANGE 8 - 2000 KVA

2016

POWER GENERATING SYSTEMS WITH INDIVIDUAL SOLUTIONS

RID

RID

CONTENT

General information	04
Diesel gensets with Deutz engines (S-SERIES)	06
Diesel gensets with Mitsubishi engines (E-SERIES)	15
Diesel gensets with Doosan engines (B-SERIES)	23
Diesel gensets with MTU engines (G-SERIES)	28
Diesel gensets with Volvo engines (V-SERIES)	33
Diesel telecom genset	38
Diesel gensets 48 V / DC	44
Additional options	46
Automatic Transfer Switch (ATS) RID 1000 A	48

RID GENSETS INFORMATION

INFORMATION ABOUT GENERATORS

Technical Specifications

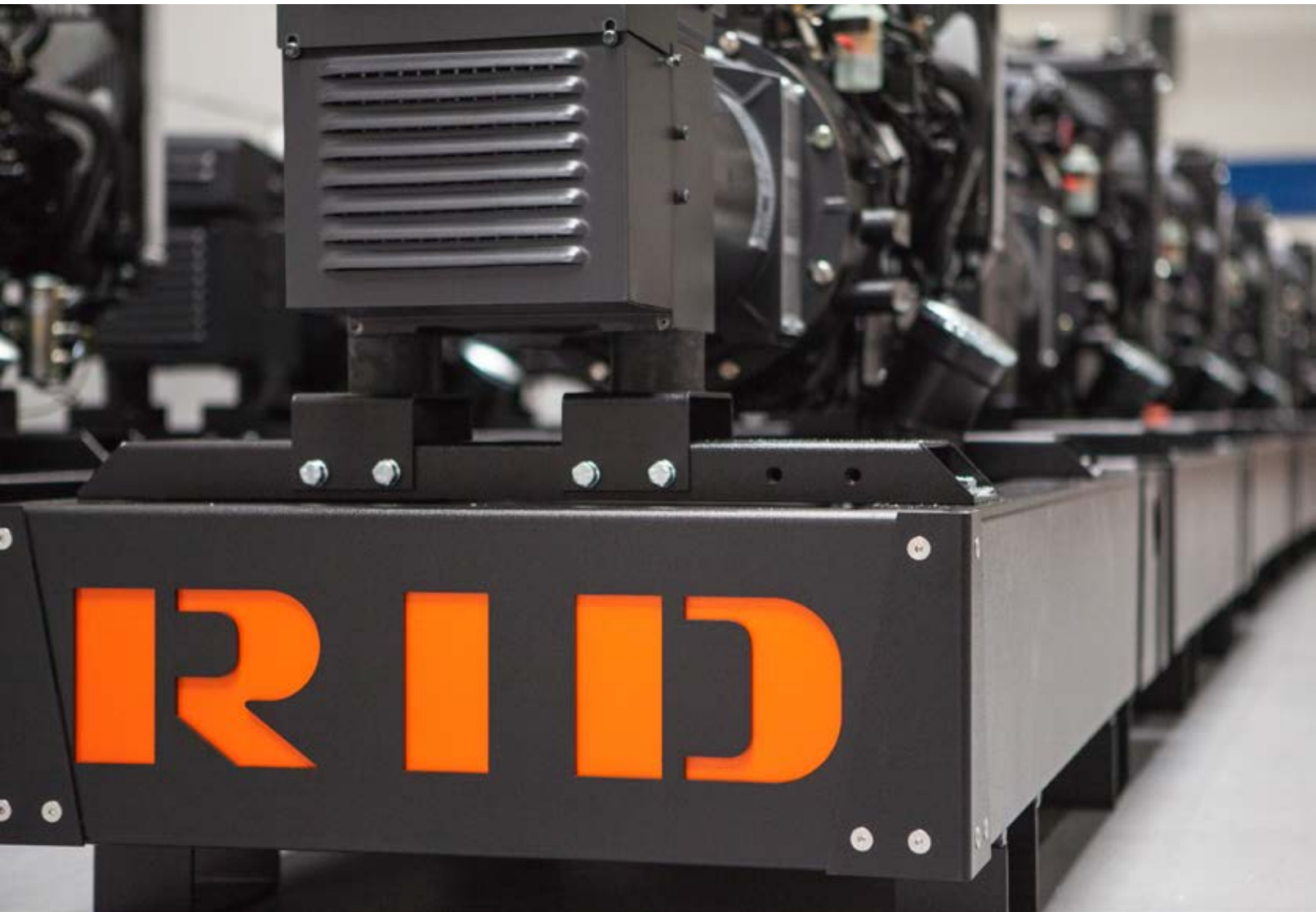
All given technical data match European and international standards. Power output is given in kW or kVA. You will also find inrush currents data of RID generators.

Voltage and Frequency Tolerance

The power generators voltage and frequency are very stable within the nominal range of performance (DIN 6280/ISO 8528). Voltage tolerance between no-load and full load operation amounts to ±10 %, according to DIN 6280 T.10/ISO 8528 part 8. For appliances with compound transformer ±8 % or with Voltage regulator ±5 %.

The advantages of power stations Premium class:

- extended warranty of 2 years
- large alluminium fuel tank that allows up to 20 operating hours for generators of up to 40kVA and 27h for Generators up to 130kVA
- exhaust pipe with 3 chamber performance reduces noise level up to 35 dB(A)
- fixing elements made of stainless steel ensures reliable operation and long life service
- possibility of Customer's wishes structural changes
  (Increased Tank or single phase generators)
- super silent: reduced noise level compared to standard enclosed generators
- possibility to integrate preheating systems for generators up to 130Kva



RID GENSETS INFORMATION

R.I.D. GmbH is a fast growing German company that offers customer fit solutions, situated in Kirchardt (Germany). Many years of experience in the Power Generation technology. More than 200 well known companies worldwide buying and using high quality equipment made by RID. Local German engineering and production only. More than 20.000 gensets built and infallibly operating worldwide. We offer individual high-quality power products for independent energy.

We develop, produce and deliver:

- Portable generators (2-15 kVA)
- Diesel Power Generator (8-2000 kVA)
- Customer complete solutions for telecommunication providers
- Alternative energy systems
- Cogeneration (CHP with diesel and gas)
- Own monitoring Systems
- Gas generators

Certificates:

ISO 9001:2008
Quality management standard, design, production and service match the standard of ISO 9001:2008 norm.

EAC Mark (GOST-R)
Quality standards certification of the Eurasian Customs Union.

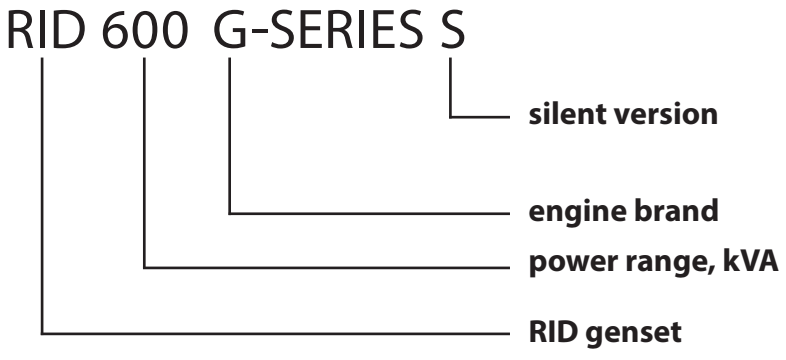
Identification Mark
CE -mandatory conformity of essential requirements for the applicable EC directives

dB(A)
Noise power level is given in dB(A). Appliances have been tested and approved for work at construction site.

Designation

S = Diesel gensets with Deutz engines **(S-SERIES)**
E = Diesel gensets with Mitsubishi engines **(E-SERIES)**
B = Diesel gensets with Doosan engines **(B-SERIES)**
G = Diesel gensets with MTU engines **(G-SERIES)**
V = Diesel gensets with Volvo engines **(V-SERIES)**

The designation example



DEUTZ
ENGINES

DEUTZ is one of the largest independent manufacturers of diesel engines. With a long history of more than 145 years. Deutz produces engines whose reliability and economy enjoy a legendary global reputation. DEUTZ combine modern technology and materials, with the highest quality, reliability, dependability and durability. Through years of research of its own Scientific Design engineers, DEUTZ managed to create Engines, in which the concept of efficiency and environmental friendliness are at the ideal ratio. Deutz Engines successfully operate in the most adverse conditions with maximum loads without reducing the service life time. As a result reduces the users operating costs.

Power's Systems DEUTZ Engines consume minimum fuel. Therefore, the German brand Deutz is one of the most economical cost ratio for the production of 1 kWh of electricity. It also meets the strictest environmental safety requirements.

MADE IN GERMANY

20 - 40 kVA ENGINES DEUTZ

RID 20 S-SERIES

RID 40 S-SERIES S

TECHNICAL DATA:

MODEL (PREMIUM)		RID 20 S-SERIES	RID 20 S-SERIES S	RID 30 S-SERIES	RID 30 S-SERIES S	RID 40 S-SERIES	RID 40 S-SERIES S
Version		open skid	silent	open skid	silent	open skid	silent
Order number Generator		**713314**	**713315**	**713320**	**713321**	**713324**	**713325**
Order number Generator with ATS		713318	713319	713322	713323	713326	713327
Order number Generator external ATS		728306	728306	728308	728308	728311	728311
Nom. output P.R.P. (cos = 0,8)	kVA/kW	20 / 16		30 / 24		40 / 32	
Nom. total current (cos = 0,8)	A	29		43		58	
Voltage	V	230 / 400		230 / 400		230 / 400	
Frequency	Hz	50		50		50	
Dimensions (L x W x H)	mm	1437x755x1260	1710x785x1230	1595x886x1125	1854x912x1285	1595x886x1197	1854x912x1285
Weight	kg	550	700	720	840	761	968
Noise level	dB(A)	88,5	62	88	63	89	63
Fuel tank capacity	l	200		230		230	
Engine	**Deutz**	**F3M2011**		**F4M2011**		**BF4M2011**	
Speed range	rpm	1500		1500		1500	
Speed governor		mechanical		mechanical		mechanical	
Fuel		diesel		diesel		diesel	
Cooling system		oil + air		oil + air		oil + air	
Displacement	l	2,3		3,1		3,1	
Engine output	kW	20,4		29,4		39,2	
Starter	V	12		12		12	
Oil type (recommended)		RID-Deutz 10W40		RID-Deutz 10W40		RID-Deutz 10W40	
Engine oil volume	l	9		13,5		13,5	
Fuel consumption load 100/75%	l / h	6,1 / 5,7		8,4 / 7,9		11,2 / 10,3	
Generator		**synchronous**		**synchronous**		**synchronous**	
Isolation type		H		H		H	
Protection class		IP 23		IP 23		IP 23	
Advantage		**maintenance interval - 1000 / 500 operating hours • rust-resistant fuel tank**					

OPTIONS (description - page 46)	ORDER NUMBER					
Fuel heater	753002	753002	753002	753002	753002	753002
Oil preheating	715076	715076	715076	715076	715076	715076
Fuel filter / water separator	754016	754016	754015	754015	754015	754015
External fuel tank 720/1000 l	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010
Automatic refilling system 720/1000 l	on request	on request	on request	on request	on request	on request
ASC 48 controller for battery charging	729323	729323	729323	729323	729323	729323
GSM modem	729300	729300	729300	729300	729300	729300
IP modem	729319	729319	729319	729319	729319	729319

Technical data is a subject to change. R.I.D. GmbH assumes no responsibility for misprint. Pictures may differ from original product.

MADE IN GERMANY

60 - 80 kVA ENGINES DEUTZ

RID 60 S-SERIES

RID 80 S-SERIES S

TECHNICAL DATA:

MODEL (PREMIUM)		RID 60 S-SERIES	RID 60 S-SERIES S	RID 80 S-SERIES	RID 80 S-SERIES S
Version		open skid	silent	open skid	silent
Order number Generator		**713340**	**713341**	**713348**	**713349**
Order number Generator with ATS		713342	713343	713350	713351
Order number Generator external ATS		728313	728313	728314	728314
Nom. output P.R.P. (cos = 0,8)	kVA/kW	60 / 48		80 / 64	
Nom. total current (cos = 0,8)	A	87		115	
Voltage	V	230 / 400		230 / 400	
Frequency	Hz	50		50	
Dimensions (L x W x H)	mm	1925x1000x1393	2325x1050x1627	1925x1000x1516	2325x1050x1627
Weight	kg	930	1320	1150	1390
Noise level	dB(A)	93	67	95,5	71
Fuel tank capacity	l	500		500	
Engine	**Deutz**	**BF4M2011C**		**BF4M2012C**	
Speed range	rpm	1500		1500	
Speed governor		mechanical		mechanical	
Fuel		diesel		diesel	
Cooling system		oil + air		water + air	
Displacement	l	3,1		4,1	
Engine output	kW	53,3		71	
Starter	V	12		12	
Oil type (recommended)		RID-Deutz 10W40		RID-Deutz 10W40	
Engine oil volume	l	13,5		10	
Fuel consumption load 100/75%	l / h	13,3 / 10,4		18,3 / 14,4	
Generator		**synchronous**		**synchronous**	
Isolation type		H		H	
Protection class		IP 23		IP 23	
Advantage		**maintenance interval - 500 operating hours • rust-resistant fuel tank**			

OPTIONS (description - page 46)	ORDER NUMBER			
Fuel heater	753002	753002	753002	753002
Oil preheating / Coolant heater	715076	715076	715078	715078
Fuel filter / water separator	754017	754017	754004	754004
External fuel tank 720/1000 l	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010
Automatic refilling system 720/1000 l	on request	on request	on request	on request
ASC 48 controller for battery charging	729323	729323	729323	729323
GSM modem	729300	729300	729300	729300
IP modem	729319	729319	729319	729319

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MADE IN GERMANY

100 - 130 kVA ENGINES DEUTZ

RID 100 S-SERIES

RID 130 S-SERIES S

TECHNICAL DATA:

MODEL (PREMIUM)		RID 100 S-SERIES	RID 100 S-SERIES S	RID 130 S-SERIES	RID 130 S-SERIES S
Version		open skid	silent	open skid	silent
Order number Generator		**713356**	**713357**	**713411**	**713412**
Order number Generator with ATS		713358	713359	713413	713414
Order number Generator external ATS		728316	728316	728316	728316
Nom. output P.R.P. (cos = 0,8)	kVA/kW	100 / 80		130 / 104	
Nom. total current (cos = 0,8)	A	144		188	
Voltage	V	230 / 400		230 / 400	
Frequency	Hz	50		50	
Dimensions (L x W x H)	mm	2320x1110x1640	2720x1160x1708	2320x1110x1640	2720x1160x1708
Weight	kg	1350	1600	1450	1970
Noise level	dB(A)	97	71	101	72
Fuel tank capacity	l	690		690	
Engine	**Deutz**	**BF4M1013EC**		**BF4M1013FC**	
Speed range	rpm	1500		1500	
Speed governor		mechanical		electrical	
Fuel		diesel		diesel	
Cooling system		water + air		water + air	
Displacement	l	4,8		4,8	
Engine output	kW	97		112	
Starter	V	12		12	
Oil type (recommended)		RID-Deutz 10W40		RID-Deutz 10W40	
Engine oil volume	l	14		17	
Fuel consumption load 100/75%	l / h	24,4 / 19,4		25,2 / 19,5	
Generator		**synchronous**		**synchronous**	
Isolation type		H		H	
Protection class		IP 23		IP 23	
Advantage		**maintenance interval - 500 operating hours • rust-resistant fuel tank**			

OPTIONS (description - page 46)	ORDER NUMBER			
Fuel heater	753002	753002	753002	753002
Coolant heater	715070	715070	715070	715070
Fuel filter / water separator	754018	754018	754019	754019
External fuel tank 720/1000 l	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010
Automatic refilling system 720/1000 l	on request	on request	on request	on request
ASC 48 controller for battery charging	729323	729323	729323	729323
GSM modem	729300	729300	729300	729300
IP modem	729319	729319	729319	729319

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MADE IN GERMANY

20 - 40 kVA ENGINES DEUTZ

RID 20 S-SERIES S

RID 40 S-SERIES S

TECHNICAL DATA:

MODEL (STANDARD)		RID 20 S-SERIES	RID 20 S-SERIES S	RID 30 S-SERIES	RID 30 S-SERIES S	RID 40 S-SERIES	RID 40 S-SERIES S
Version		open skid	silent	open skid	silent	open skid	silent
Order number Generator		**713450**	**713451**	**713469**	**713471**	**713477**	**713479**
Order number Generator with ATS		713452	713453	713470	713472	713478	713480
Order number Generator external ATS		728306	728306	728308	728308	728311	728311
Nom. output P.R.P. (cos = 0,8)	kVA/kW	20 / 16		30 / 24		40 / 32	
Nom. total current (cos = 0,8)	A	29		43		58	
Voltage	V	230 / 400		230 / 400		230 / 400	
Frequency	Hz	50		50		50	
Dimensions (L x W x H)	mm	1500x752x1160	1500x782x1246	1500x752x1160	1800x940x1310	1500x752x1185	1800x940x1310
Weight	kg	550	700	720	840	761	890
Noise level	dB(A)	88,5	62	88	63	89	63
Fuel tank capacity	l	150		150	230	150	230
Engine	**Deutz**	**F3M2011**		**F4M2011**		**BF4M2011**	
Speed range	rpm	1500		1500		1500	
Speed governor		mechanical		mechanical		mechanical	
Fuel		diesel		diesel		diesel	
Cooling system		oil + air		oil + air		oil + air	
Displacement	l	2,3		3,1		3,1	
Engine output	kW	20,4		29,4		39,2	
Starter	V	12		12		12	
Oil type (recommended)		RID-Deutz 10W40		RID-Deutz 10W40		RID-Deutz 10W40	
Engine oil volume	l	9		13,5		13,5	
Fuel consumption load 100/75%	l / h	6,1 / 5,7		8,4 / 7,9		11,2 / 10,3	
Generator		**synchronous**		**synchronous**		**synchronous**	
Isolation type		H		H		H	
Protection class		IP 23		IP 23		IP 23	
Advantage		**maintenance interval - 1000 operating hours**				**500 operating hours**	

OPTIONS (description - page 46)	ORDER NUMBER					
Oil preheating	715076	715076	715076	715076	715076	715076
Fuel filter / water separator	754016	754016	754015	754015	754015	754015
External fuel tank 720/1000 l	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010
Automatic refilling system 720/1000 l	on request	on request	on request	on request	on request	on request
ASC 48 controller for battery charging	729323	729323	729323	729323	729323	729323
GSM modem	729300	729300	729300	729300	729300	729300
IP modem	729319	729319	729319	729319	729319	729319

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MADE IN GERMANY

60 - 100 kVA ENGINES DEUTZ

RID 60 S-SERIES S

RID 100 S-SERIES S

TECHNICAL DATA:

MODEL (STANDARD)		RID 60 S-SERIES	RID 60 S-SERIES S	RID 80 S-SERIES	RID 80 S-SERIES S	RID 100 S-SERIES	RID 100 S-SERIES S
Version		open skid	silent	open skid	silent	open skid	silent
Order number Generator		**713344**	**713345**	**713352**	**713353**	**713481**	**713482**
Order number Generator with ATS		713346	713347	713354	713355	713483	713484
Order number Generator external ATS		728313	728313	728314	728314	728316	728316
Nom. output P.R.P. (cos = 0,8)	kVA/kW	60 / 48		80 / 64		100 / 80	
Nom. total current (cos = 0,8)	A	87		115		144	
Voltage	V	230 / 400		230 / 400		230 / 400	
Frequency	Hz	50		50		50	
Dimensions (L x W x H)	mm	2320x1130x1275	2320x1130x1685	2320x1130x1484	2320x1130x1685	2250x1124x1557	2800x1230x1828
Weight	kg	930	1320	930	1390	1200	1600
Noise level	dB(A)	93	67	95,5	69,5	97	69
Fuel tank capacity	l	350		350		400	
Engine	**Deutz**	**BF4M2011C**		**BF4M2012C**		**BF4M1013EC**	
Speed range	rpm	1500		1500		1500	
Speed governor		mechanical		mechanical		mechanical	
Fuel		diesel		diesel		diesel	
Cooling system		oil + air		water + air		water + air	
Displacement	l	3,1		4,1		4,8	
Engine output	kW	53,3		71		97	
Starter	V	12		12		12	
Oil type (recommended)		RID-Deutz 10W40		RID-Deutz 10W40		RID-Deutz 10W40	
Engine oil volume	l	13,5		10		14	
Fuel consumption load 100/75%	l / h	13,3 / 10,4		18,3 / 14,4		24,4 / 19,4	
Generator		**synchronous**		**synchronous**		**synchronous**	
Isolation type		H		H		H	
Protection class		IP 23		IP 23		IP 23	
Advantage		**maintenance interval - 500 operating hours**					

OPTIONS (description - page 46)	ORDER NUMBER					
Oil preheating / Coolant heater	715076	715076	715078	715078	715078	715078
Fuel filter / water separator	754017	754017	754004	754004	754018	754018
External fuel tank 720/1000 l	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010
Automatic refilling system 720/1000 l	on request	on request	on request	on request	on request	on request
ASC 48 controller for battery charging	729323	729323	729323	729323	729323	729323
GSM modem	729300	729300	729300	729300	729300	729300
IP modem	729319	729319	729319	729319	729319	729319

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MADE IN GERMANY

130 - 200 kVA ENGINES DEUTZ

RID 150 S-SERIES

RID 200 S-SERIES S

TECHNICAL DATA:

MODEL (STANDARD)		RID 130 S-SERIES	RID 130 S-SERIES S	RID 150 S-SERIES	RID 150 S-SERIES S	RID 200 S-SERIES	RID 200 S-SERIES S
Version		open skid	silent	open skid	silent	open skid	silent
Order number Generator		**713485**	**713486**	**713419**	**713420**	**713363**	**713364**
Order number Generator with ATS		713487	713488	-	-	-	-
Order number Generator external ATS		728316	728316	728316	728316	728317	728317
Nom. output P.R.P. (cos = 0,8)	kVA/kW	130 / 104		150 / 120		200 / 160	
Nom. total current (cos = 0,8)	A	188		217		288	
Voltage	V	230 / 400		230 / 400		230 / 400	
Frequency	Hz	50		50		50	
Dimensions (L x W x H)	mm	2250x1124x1557	2800x1230x1828	3350x1430x2114	3350x1430x2114	3350x1430x2114	3350x1430x2114
Weight	kg	1450	1970	1615	2190	2026	2300
Noise level	dB(A)	95	69	83	72	83	68
Fuel tank capacity	l	400		500		500	
Engine	**Deutz**	**BF4M1013FC**		**BF6M1013EC**		**BF6M1013FC**	
Speed range	rpm	1500		1500		1500	
Speed governor		electrical		mechanical		electrical	
Fuel		diesel		diesel		diesel	
Cooling system		water + air		water + air		water + air	
Displacement	l	4,8		7,2		7,2	
Engine output	kW	112		146		183	
Starter	V	12		12		12	
Oil type (recommended)		RID-Deutz 10W40		RID-Deutz 10W40		RID-Deutz 10W40	
Engine oil volume	l	17		21		29	
Fuel consumption load 100/75%	l / h	25,2 / 19,5		36,3 / 28		46,1 / 36,2	
Generator		**synchronous**		**synchronous**		**synchronous**	
Isolation type		H		H		H	
Protection class		IP 23		IP 23		IP 23	
Advantage		**maintenance interval - 500 operating hours**					

OPTIONS (description - page 46)	ORDER NUMBER					
Coolant heater	715070	715070	715070	715070	715074	715074
Fuel filter / water separator	754019	754019	754020	754020	754021	754021
External fuel tank 720/1000 l	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010
Automatic refilling system 720/1000 l	on request	on request	on request	on request	on request	on request
ASC 48 controller for battery charging	729323	729323	729323	729323	729323	729323
GSM modem	729300	729300	729300	729300	729300	729300
IP modem	729319	729319	729319	729319	729319	729319

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MADE IN GERMANY

250 - 350 kVA ENGINES DEUTZ

RID 300 S-SERIES

RID 300 S-SERIES S

TECHNICAL DATA:

MODEL (STANDARD)		RID 250 S-SERIES	RID 250 S-SERIES S	RID 300 S-SERIES	RID 300 S-SERIES S	RID 350 S-SERIES	RID 350 S-SERIES S
Version		open skid	silent	open skid	silent	open skid	silent
Order number Generator		**713371**	**713372**	**713379**	**713380**	**713387**	**713388**
Order number Generator with ATS		-	-	-	-	-	-
Order number Generator external ATS		728317	728317	728318	728318	728318	728318
Nom. output P.R.P. (cos = 0,8)	kVA/kW	250 / 200		300 / 240		350 / 280	
Nom. total current (cos = 0,8)	A	360		433		505	
Voltage	V	230 / 400		230 / 400		230 / 400	
Frequency	Hz	50		50		50	
Dimensions (L x W x H)	mm	3350x1430x2114	3350x1430x2114	2850x1700x2170	3351x1740x2411	2850x1700x2210	3351x1740x2411
Weight	kg	2080	2895	3340	3750	3500	3900
Noise level	dB(A)	97,6	70	101	70	101	71
Fuel tank capacity	l	500		1000		1000	
Engine	**Deutz**	**TCD2013L6 4V**		**BF6M1015C G1**		**BF6M1015C G2**	
Speed range	rpm	1500		1500		1500	
Speed governor		electrical		electrical		electrical	
Fuel		diesel		diesel		diesel	
Cooling system		water + air		water + air		water + air	
Displacement	l	7,2		11,9		11,9	
Engine output	kW	227		285		338	
Starter	V	24		24		24	
Oil type (recommended)		RID-Deutz 10W40		RID-Deutz 10W40		RID-Deutz 10W40	
Engine oil volume	l	24		34		34	
Fuel consumption load 100/75%	l / h	49,4 / 38,5		69,2 / 46,8		87,1 / 50,2	
Generator		**synchronous**		**synchronous**		**synchronous**	
Isolation type		H		H		H	
Protection class		IP 23		IP 23		IP 23	
Advantage		**maintenance interval - 500 operating hours**					

OPTIONS (description - page 46)	ORDER NUMBER					
Coolant heater	715074	715074	715079	715079	715080	715080
Fuel filter / water separator	752022	752022	754023	754023	754024	754024
External fuel tank 720/1000 l	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010
Automatic refilling system 720/1000 l	on request	on request	on request	on request	on request	on request
ASC 48 controller for battery charging	729323	729323	729323	729323	729323	729323
GSM modem	729300	729300	729300	729300	729300	729300
IP modem	729319	729319	729319	729319	729319	729319

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MADE IN GERMANY

400 - 500 kVA ENGINES DEUTZ

RID 400 S-SERIES S

RID 500 S-SERIES S

TECHNICAL DATA:

MODEL (STANDARD)		RID 400 S-SERIES	RID 400 S-SERIES S	RID 450 S-SERIES	RID 450 S-SERIES S	RID 500 S-SERIES	RID 500 S-SERIES S
Version		open skid	silent	open skid	silent	open skid	silent
Order number Generator		**713395**	**713396**	**713435**	**713436**	**713403**	**713404**
Order number Generator with ATS		-	-	-	-	-	-
Order number Generator external ATS		728318	728318	728319	728319	728319	728319
Nom. output P.R.P. (cos = 0,8)	kVA/kW	400 / 320		450 / 360		500 / 400	
Nom. total current (cos = 0,8)	A	578		650		728	
Voltage	V	230 / 400		230 / 400		230 / 400	
Frequency	Hz	50		50		50	
Dimensions (L x W x H)	mm	2800x1614x2224	4000x1940x2383	2800x1614x2218	4000x1940x2383	2800x1614x2218	4000x1940x2383
Weight	kg	4010	4500	4200	4900	4300	5100
Noise level	dB(A)	105	70	105	70	105	70
Fuel tank capacity	l	1000		1000		1000	
Engine	**Deutz**	**BF8M1015C G1**		**BF8M1015C G2**		**BF8M1015CP G2**	
Speed range	rpm	1500		1500		1500	
Speed governor		electrical		electrical		electrical	
Fuel		diesel		diesel		diesel	
Cooling system		water + air		water + air		water + air	
Displacement	l	15,9		15,9		15,9	
Engine output	kW	380		448		459	
Starter	V	24		24		24	
Oil type (recommended)		RID-Deutz 10W40		RID-Deutz 10W40		RID-Deutz 10W40	
Engine oil volume	l	47		47		47	
Fuel consumption load 100/75%	l / h	93,6 / 73		117,5 / 84		119,4 / 90,4	
Generator		**synchronous**		**synchronous**		**synchronous**	
Isolation type		H		H		H	
Protection class		IP 23		IP 23		IP 23	
Advantage		**maintenance interval - 500 operating hours**					

OPTIONS (description - page 46)	ORDER NUMBER					
Coolant heater	715081	715081	715082	715082	715075	715075
Fuel filter / water separator	754006	754006	754006	754006	754006	754006
External fuel tank 720/1000 l	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010
Automatic refilling system 720/1000 l	on request	on request	on request	on request	on request	on request
ASC 48 controller for battery charging	729323	729323	729323	729323	729323	729323
GSM modem	729300	729300	729300	729300	729300	729300
IP modem	729319	729319	729319	729319	729319	729319

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MITSUBISHI
ENGINES

Mitsubishi has designed and manufactured quality products for more than 100 years to the industry's toughest standards. Superior materials are used in every step of the way to ensure maximum performance. RID generators with mitsubishi engine are engineered to run 24/7 with optimal performance. Mitsubishi understands that when you need back up power, you need a reliable and dependable product that delivers consistent power. Powerful, but as quiet as possible. One of Mitsubishi's development target is to lower the engine noise level, through research and development it supports the trend of regulations for the comfort of human's environment. Mitsubishi's highest mission is to create sustainable power source. Complying with latest and future emission regulations is one of the ways in which engine manufacturers protect the environment. As a long-term solution for your power need, Mitsubishi's technology supports the human activity with philosophy of "ECOSILENT ENGINE" now and in the future.

Mitsubishi's engine with low fuel consumption adds the value to your product and supports the operation at end users premises in years. In combination with Mitsubishi-made turbocharger with world top class technology, we contribute to the saving of both financial and environmental resource during its life even further.

MADE IN GERMANY

8 - 15 kVA ENGINES MITSUBISHI

RID 10 E-SERIES

RID 10 E-SERIES S

TECHNICAL DATA:

MODEL (PREMIUM)		RID 8 E-SERIES	RID 8 E-SERIES S	RID 10 E-SERIES	RID 10 E-SERIES S	RID 15 E-SERIES	RID 15 E-SERIES S
Version		open skid	silent	open skid	silent	open skid	silent
Order number Generator		**713600**	**713601**	**713620**	**713621**	**713640**	**713641**
Order number Generator with ATS		713602	713603	713622	713623	713642	713643
Order number Generator external ATS		728301	728301	728301	728301	728301	728301
Nom. output P.R.P. (cos = 0,8)	kVA/kW	8 / 6,4		10 / 8		15 / 12	
Nom. total current (cos = 0,8)	A	11,5		14,4		21,7	
Voltage	V	230 / 400		230 / 400		230 / 400	
Frequency	Hz	50		50		50	
Dimensions (L x W x H)	mm	1437x755x1130	1706x785x1230	1437x755x1130	1706x785x1230	1437x755x1130	1706x785x1230
Weight	kg	410	540	440	600	470	640
Noise level	dB(A)	80	62	81	62	84	63
Fuel tank capacity	l	200		200		200	
Engine	Mitsubishi	**L3E**		**S3L2**		**S4L2**	
Speed range	rpm	1500		1500		1500	
Speed governor		mechanical		mechanical		mechanical	
Fuel		diesel		diesel		diesel	
Cooling system		water + air		water + air		water + air	
Displacement	l	0,95		1,3		1,8	
Engine output	kW	6,4		10,8		15,4	
Starter	V	12		12		12	
Oil type (recommended)		RID 15W40		RID 15W40		RID 15W40	
Engine oil volume	l	3,1		4,2		6	
Fuel consumption load 100/75%	l / h	2,4 / 1,85		3,1 / 2,4		4,3 / 3,4	
Generator		**synchronous**		**synchronous**		**synchronous**	
Isolation type		H		H		H	
Protection class		IP 23		IP 23		IP 23	
Advantage		**rust-resistant fuel tank**					

OPTIONS (description - page 46)	ORDER NUMBER					
Coolant heater	715008	715008	715008	715008	715008	715008
Fuel heater	753002	753002	753002	753002	753002	753002
Fuel filter / water separator	754003	754003	715000	715000	715000	715000
External fuel tank 720/1000 l	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010
Automatic refilling system 720/1000 l	on request	on request	on request	on request	on request	on request
ASC 48 controller for battery charging	729323	729323	729323	729323	729323	729323
GSM modem	729300	729300	729300	729300	729300	729300
IP modem	729319	729319	729319	729319	729319	729319

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MADE IN GERMANY

20 -30 kVA ENGINES MITSUBISHI

RID 20 E-SERIES

RID 30 E-SERIES S

MITSUBISHI PREMIUM

TECHNICAL DATA:

MODEL (PREMIUM)		RID 20 E-SERIES	RID 20 E-SERIES S	RID 30 E-SERIES	RID 30 E-SERIES S	RID 40 E-SERIES	RID 40 E-SERIES S
Version		open skid	silent	open skid	silent	open skid	silent
Order number Generator		**713655**	**713656**	**713665**	**713666**	**713675**	**713676**
Order number Generator with ATS		713657	713658	713667	713668	713677	713678
Order number Generator external ATS		728306	728306	728308	728308	728311	728311
Nom. output P.R.P. (cos = 0,8)	kVA/kW	20 / 16		30 / 24		40 / 32	
Nom. total current (cos = 0,8)	A	29		43		58	
Voltage	V	230 / 400		230 / 400		230 / 400	
Frequency	Hz	50		50		50	
Dimensions (L x W x H)	mm	1437x755x1130	1706x785x1230	1595x886x1125	1854x912x1285	1595x886x1197	1854x912x1285
Weight	kg	520	680	700	840	741	948
Noise level	dB(A)	88,5	62	86,5	63	89	63
Fuel tank capacity	l	200		230		230	
Engine	Mitsubishi	**S4Q2**		**S4S**		**S4S-DT**	
Speed range	rpm	1500		1500		1500	
Speed governor		mechanical		mechanical		mechanical	
Fuel		diesel		diesel		diesel	
Cooling system		water + air		water + air		water + air	
Displacement	l	2,3		3,3		3,3	
Engine output	kW	19,5		31,6		37,5	
Starter	V	12		12		12	
Oil type (recommended)		RID 15W40		RID 15W40		RID 15W40	
Engine oil volume	l	6,5		10		10	
Fuel consumption load 100/75%	l / h	6,4 / 4,7		8,4 / 6,3		11,2 / 8,2	
Generator		**synchronous**		**synchronous**		**synchronous**	
Isolation type		H		H		H	
Protection class		IP 23		IP 23		IP 23	
Advantage		**rust-resistant fuel tank**					

OPTIONS (description - page 46)	ORDER NUMBER					
Coolant heater	715008	715008	715008	715008	715028	715028
Fuel heater	753002	753002	753002	753002	753002	753002
Fuel filter / water separator	754005	754005	754008	754008	754008	754008
External fuel tank 720/1000 l	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010
Automatic refilling system 720/1000 l	on request	on request	on request	on request	on request	on request
ASC 48 controller for battery charging	729323	729323	729323	729323	729323	729323
GSM modem	729300	729300	729300	729300	729300	729300
IP modem	729319	729319	729319	729319	729319	729319

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MADE IN GERMANY

8 - 15 kVA ENGINES MITSUBISHI

RID 10 E-SERIES

RID 10 E-SERIES S

TECHNICAL DATA:

MODEL (STANDARD)		RID 8 E-SERIES	RID 8 E-SERIES S	RID 10 E-SERIES	RID 10 E-SERIES S	RID 15 E-SERIES	RID 15 E-SERIES S
Version		open skid	silent	open skid	silent	open skid	silent
Order number Generator		**713612**	**713614**	**713626**	**713627**	**713636**	**713638**
Order number Generator with ATS		713613	713615	713628	713629	713637	713639
Order number Generator external ATS		728301	728301	728301	728301	728301	728301
Nom. output P.R.P. (cos = 0,8)	kVA/kW	8 / 6,4		10 / 8		15 / 12	
Nom. total current (cos = 0,8)	A	11,5		14,4		21,7	
Voltage	V	230 / 400		230 / 400		230 / 400	
Frequency	Hz	50		50		50	
Dimensions (L x W x H)	mm	1500x752x1150	1500x782x1246	1500x752x1150	1500x782x1246	1500x752x1150	1500x782x1246
Weight	kg	360	490	390	505	420	590
Noise level	dB(A)	80	62	81	62	84	63
Fuel tank capacity	l	150		150		150	
Engine	Mitsubishi	**L3E**		**S3L2**		**S4L2**	
Speed range	rpm	1500		1500		1500	
Speed governor		mechanical		mechanical		mechanical	
Fuel		diesel		diesel		diesel	
Cooling system		water + air		water + air		water + air	
Displacement	l	0,95		1,3		1,8	
Engine output	kW	6,4		10,8		15,4	
Starter	V	12		12		12	
Oil type (recommended)		RID 15W40		RID 15W40		RID 15W40	
Engine oil volume	l	3,1		4,2		6	
Fuel consumption load 100/75%	l / h	2,4 / 1,85		3,1 / 2,4		4,3 / 3,4	
Generator		**synchronous**		**synchronous**		**synchronous**	
Isolation type		H		H		H	
Protection class		IP 23		IP 23		IP 23	

OPTIONS (description - page 46)	ORDER NUMBER					
Coolant heater	715008	715008	715008	715008	715008	715008
Fuel filter / water separator	754003	754003	715000	715000	715000	715000
External fuel tank 720/1000 l	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010
Automatic refilling system 720/1000 l	on request	on request	on request	on request	on request	on request
ASC 48 controller for battery charging	729323	729323	729323	729323	729323	729323
GSM modem	729300	729300	729300	729300	729300	729300
IP modem	729319	729319	729319	729319	729319	729319

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MADE IN GERMANY

20 - 30 kVA ENGINES MITSUBISHI

RID 20 E-SERIES S

RID 30 E-SERIES

MITSUBISHI STANDARD

TECHNICAL DATA:

MODEL (STANDARD)		RID 20 E-SERIES	RID 20 E-SERIES S	RID 30 E-SERIES	RID 30 E-SERIES S	RID 40 E-SERIES	RID 40 E-SERIES S
Version		open skid	silent	open skid	silent	open skid	silent
Order number Generator		**713660**	**713662**	**713669**	**713671**	**713679**	**713681**
Order number Generator with ATS		713661	713663	713670	713672	713680	713682
Order number Generator external ATS		728306	728306	728308	728308	728311	728311
Nom. output P.R.P. (cos = 0,8)	kVA/kW	20 / 16		30 / 24		40 / 32	
Nom. total current (cos = 0,8)	A	29		43		58	
Voltage	V	230 / 400		230 / 400		230 / 400	
Frequency	Hz	50		50		50	
Dimensions (L x W x H)	mm	1500x752x1155	1500x782x1246	1500x752x1204	1800x940x1310	1500x752x1262	1800x940x1310
Weight	kg	470	630	650	790	690	900
Noise level	dB(A)	88,5	62	86,5	63	89	63
Fuel tank capacity	l	150		150	230	150	230
Engine	Mitsubishi	**S4Q2**		**S4S**		**S4S-DT**	
Speed range	rpm	1500		1500		1500	
Speed governor		mechanical		mechanical		mechanical	
Fuel		diesel		diesel		diesel	
Cooling system		water + air		water + air		water + air	
Displacement	l	2,3		3,3		3,3	
Engine output	kW	19,5		31,6		37,5	
Starter	V	12		12		12	
Oil type (recommended)		RID 15W40		RID 15W40		RID 15W40	
Engine oil volume	l	6,5		10		10	
Fuel consumption load 100/75%	l / h	6,4 / 4,7		8,4 / 6,3		11,2 / 8,2	
Generator		**synchronous**		**synchronous**		**synchronous**	
Isolation type		H		H		H	
Protection class		IP 23		IP 23		IP 23	

OPTIONS (description - page 46)	ORDER NUMBER					
Coolant heater	715008	715008	715008	715008	715028	715028
Fuel filter / water separator	754005	754005	754008	754008	754008	754008
External fuel tank 720/1000 l	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010
Automatic refilling system 720/1000 l	on request	on request	on request	on request	on request	on request
ASC 48 controller for battery charging	729323	729323	729323	729323	729323	729323
GSM modem	729300	729300	729300	729300	729300	729300
IP modem	729319	729319	729319	729319	729319	729319

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MADE IN GERMANY

40 - 750 kVA ENGINES MITSUBISHI

RID 60 E-SERIES

RID 750 E-SERIES S

TECHNICAL DATA:

MODEL (STANDARD)		RID 60 E-SERIES	RID 60 E-SERIES S	RID 750 E-SERIES	RID 750 E-SERIES S	RID 800 E-SERIES	RID 800 E-SERIES S
Version		open skid	silent	open skid	silent	open skid	silent
Order number Generator		**713616**	**713618**	**713170**	**713171**	**713172**	**713173**
Order number Generator with ATS		713617	713619	-	-	-	-
Order number Generator external ATS		728313	728313	728321	728321	728321	728321
Nom. output P.R.P. (cos = 0,8)	kVA/kW	60 / 48		750 / 600		800 / 640	
Nom. total current (cos = 0,8)	A	87		1080		1150	
Voltage	V	230 / 400		230 / 400		230 / 400	
Frequency	Hz	50		50		50	
Dimensions (L x W x H)	mm	2320x1100x1595	2320x1130x1685	4100x1800x2100	5300x2450x2700	4200x1800x2100	5300x2450x2700
Weight	kg	930	1320	6500	9400	7400	10050
Noise level	dB(A)	93	67	102	71	102	71
Fuel tank capacity	l	350		1265		1265	
Engine	Mitsubishi	**S6S-DT**		**S6R2-PTAA**		**S12A2-PTA**	
Speed range	rpm	1500		1500		1500	
Speed governor		mechanical		electrical		electrical	
Fuel		diesel		diesel		diesel	
Cooling system		water + air		water + air		water + air	
Displacement	l	5,0		29,96		33,93	
Engine output	kW	53,3		645		656	
Starter	V	12		24		24	
Oil type (recommended)		RID 15W40		RID 15W40		RID 15W40	
Engine oil volume	l	13,5		100		120	
Fuel consumption load 100/75%	l / h	13,3 / 10,4		157,1 / 118,6		166,2 / 125,5	
Generator		**synchronous**		**synchronous**		**synchronous**	
Isolation type		H		H		H	
Protection class		IP 23		IP 23		IP 23	

OPTIONS (description - page 46)	ORDER NUMBER					
Coolant heater	715029	715029	715095	715095	715095	715095
Fuel filter / water separator	754014	754014	754007	754007	754007	754007
External fuel tank 720/1000 l	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010
Automatic refilling system 720/1000 l	on request	on request	on request	on request	on request	on request
ASC 48 controller for battery charging	729323	729323	729323	729323	729323	729323
GSM modem	729300	729300	729300	729300	729300	729300
IP modem	729319	729319	729319	729319	729319	729319

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MADE IN GERMANY

800 - 1000 kVA ENGINES MITSUBISHI

MITSUBISHI STANDARD

RID 900 E-SERIES S

RID 1000 E-SERIES S

TECHNICAL DATA:

MODEL (STANDARD)		RID 900 E-SERIES	RID 900 E-SERIES S	RID 1000 E-SERIES	RID 1000 E-SERIES S	RID 1300 E-SERIES	RID 1300 E-SERIES S
Version		open skid	silent	open skid	silent	open skid	silent
Order number Generator		**713174**	**713175**	**713176**	**713177**	**713178**	**713179**
Order number Generator with ATS		-	-	-	-	-	-
Order number Generator external ATS		728322	728322	728322	728322	728323	728323
Nom. output P.R.P. (cos = 0,8)	kVA/kW	900 / 720		1000 / 800		1300 / 1040	
Nom. total current (cos = 0,8)	A	1300		1440		1875	
Voltage	V	230 / 400		230 / 400		230 / 400	
Frequency	Hz	50		50		50	
Dimensions (L x W x H)	mm	4300x2000x2200	5300x2450x2700	4500x2000x2400	6000x2700x2900	4500x2100x2400	6100x2700x2900
Weight	kg	7500	10200	9230	11900	11000	12900
Noise level	dB(A)	102	71	105	71	105	62
Fuel tank capacity	l	1265		1500		1500	
Engine	Mitsubishi	**S12A2-PTA2**		**S12H-PTA**		**S12R-PTA**	
Speed range	rpm	1500		1500		1500	
Speed governor		electrical		electrical		electrical	
Fuel		diesel		diesel		diesel	
Cooling system		water + air		water + air		water + air	
Displacement	l	33,93		37,11		49,03	
Engine output	kW	679		890		1110	
Starter	V	24		24		24	
Oil type (recommended)		RID 15W40		RID 15W40		RID 15W40	
Engine oil volume	l	120		200		180	
Fuel consumption load 100/75%	l / h	195,1 / 147,3		216,7 / 166,8		261,3 / 201,7	
Generator		**synchronous**		**synchronous**		**synchronous**	
Isolation type		H		H		H	
Protection class		IP 23		IP 23		IP 23	

OPTIONS (description - page 46)	ORDER NUMBER					
Coolant heater	715095	715095	715095	715095	715004	715004
Fuel filter / water separator	754007	754007	754007	754007	754007	754007
External fuel tank 720/1000 l	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010
Automatic refilling system 720/1000 l	on request	on request	on request	on request	on request	on request
ASC 48 controller for battery charging	729323	729323	729323	729323	729323	729323
GSM modem	729300	729300	729300	729300	729300	729300
IP modem	729319	729319	729319	729319	729319	729319

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MADE IN GERMANY

1300 - 1500 kVA ENGINES MITSUBISHI

RID 1400 E-SERIES S

RID 1500 E-SERIES S

TECHNICAL DATA:

MODEL (STANDARD)		RID 1400 E-SERIES	RID 1400 E-SERIES S	RID 1500 E-SERIES	RID 1500 E-SERIES S	RID 2000 E-SERIES	RID 2000 E-SERIES S
Version		open skid	silent	open skid	silent	open skid	silent
Order number Generator		**713180**	**713181**	**713182**	**713183**	**713298**	**713299**
Order number Generator with ATS		-	-	-	-	-	-
Order number Generator external ATS		728327	728327	728327	728327	728328	728328
Nom. output P.R.P. (cos = 0,8)	kVA/kW	1400 / 1120		1500 / 1200		2000 / 1600	
Nom. total current (cos = 0,8)	A	2020		2165		2890	
Voltage	V	230 / 400		230 / 400		230 / 400	
Frequency	Hz	50		50		50	
Dimensions (L x W x H)	mm	4500x2100x2400	8000x2700x2900	5300x2100x2600	8000x2700x2900	6170x2200x2700	12192x2438x2591
Weight	kg	11200	13900	11900	14200	13900	19500
Noise level	dB(A)	105	62	105	63	105	62
Fuel tank capacity	l	1500		1500		2000	
Engine	Mitsubishi	**S12R-PTA2**		**S12R-PTAA2**		**S16R-PTAA2**	
Speed range	rpm	1500		1500		1500	
Speed governor		electrical		electrical		electrical	
Fuel		diesel		diesel		diesel	
Cooling system		water + air		water + air		water + air	
Displacement	l	49,03		49,03		65,37	
Engine output	kW	1195		1277		1895	
Starter	V	24		24		24	
Oil type (recommended)		RID 15W40		RID 15W40		RID 15W40	
Engine oil volume	l	180		180		230	
Fuel consumption load 100/75%	l / h	280,0 / 211,4		308,9 / 231,7		402 / 307	
Generator		**synchronous**		**synchronous**		**synchronous**	
Isolation type		H		H		H	
Protection class		IP 23		IP 23		IP 23	

OPTIONS (description - page 46)	ORDER NUMBER					
Coolant heater	715004	715004	715004	715004	715004	715004
Fuel filter / water separator	754007	754007	754007	754007	754007	754007
External fuel tank 720/1000 l	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010
Automatic refilling system 720/1000 l	on request	on request	on request	on request	on request	on request
ASC 48 controller for battery charging	729323	729323	729323	729323	729323	729323
GSM modem	729300	729300	729300	729300	729300	729300
IP modem	729319	729319	729319	729319	729319	729319

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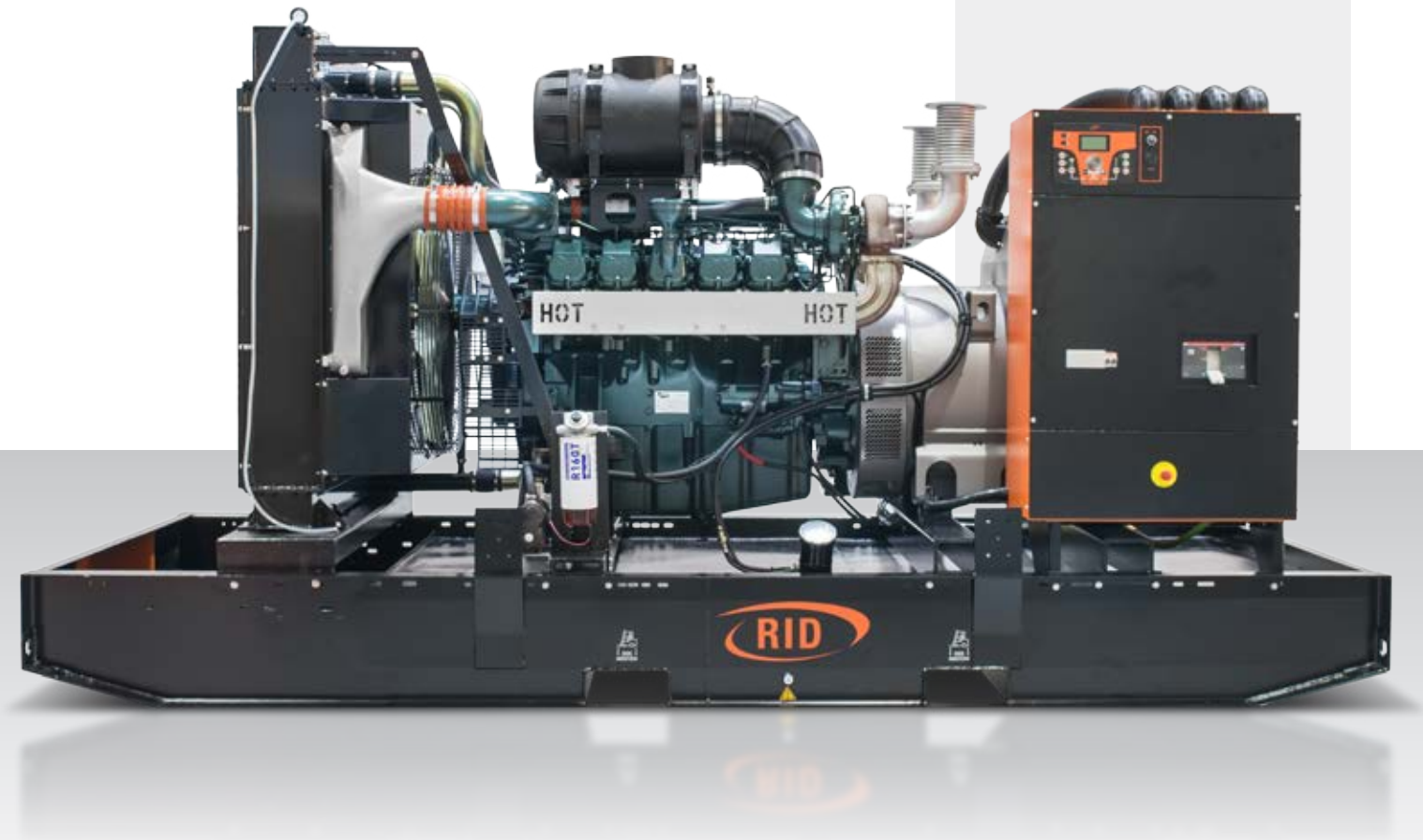
DOOSAN
ENGINES

Doosan Infracore started making Korea's first diesel engines in 1958 and has been expanding its business ever since. Today Doosan Infracore supplies global customers with diesel and CNG engines for commercial vehicles, industrial machinery, generator sets and marine. Now, Doosan Infracore introduces new engines for generator sets; The "DP Series". The DP Series is the Doosan Infracore's new engines for generator sets offering power range up to 828 kW. The DP Series is the result of Doosan's ceaseless efforts to satisfy customer's needs for the best engine.

With Doosan's over 50 years of engineering expertise, the new DP Series offers higher power density than previous model but in a smaller size while maintaining mechanical type that helps customers manage engines more easily and conveniently. As a further feature, DP Series delivers high durability with the use of reinforced key engine parts.

Customers benefit from the re-designed appearances and smaller engines with high power density which all contributed to easy installation. Customers can move the engines more easily than before and avoid interference with tools during installation work.



MADE IN GERMANY

130 - 200 kVA ENGINES DOOSAN

RID 130 B-SERIES S

RID 130 B-SERIES

TECHNICAL DATA:

MODEL		RID 130 B-SERIES	RID 130 B-SERIES S	RID 200 B-SERIES	RID 200 B-SERIES S
Version		open skid	silent	open skid	silent
Order number Generator		**713701**	**713702**	**713708**	**713710**
Order number Generator with ATS		713700	713703	-	-
Order number Generator external ATS		728316	728316	728317	728317
Nom. output P.R.P. (cos = 0,8)	kVA/kW	125 / 100		200 / 160	
Nom. total current (cos = 0,8)	A	180		288	
Voltage	V	230 / 400		230 / 400	
Frequency	Hz	50		50	
Dimensions (L x W x H)	mm	2250x1124x1638	2800x1230x1828	3350x1430x2114	3350x1430x2114
Weight	kg	1710	2110	2028	2300
Noise level	dB(A)	86	69	88	69
Fuel tank capacity	l	400		500	
Engine	**Doosan**	**D1146T**		**P086TI**	
Speed range	rpm	1500		1500	
Speed governor		mechanical		electrical	
Fuel		diesel		diesel	
Cooling system		water + air		water + air	
Displacement	l	8,07		8,07	
Engine output	kW	107		177	
Starter	V	24		24	
Oil type (recommended)		RID 15W40		RID 15W40	
Engine oil volume	l	15,5		15,5	
Fuel consumption load 100/75%	l / h	25,9 / 19,5		35,4 / 26,5	
Generator		**synchronous**		**synchronous**	
Isolation type		H		H	
Protection class		IP 23		IP 23	

OPTIONS (description - page 46)	ORDER NUMBER			
Coolant heater	715104	715104	715105	715105
Fuel filter / water separator	754025	754025	754026	754026
External fuel tank 720/1000 l	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010
Automatic refilling system 720/1000 l	on request	on request	on request	on request
ASC 48 controller for battery charging	729323	729323	729323	729323
GSM modem	729300	729300	729300	729300
IP modem	729319	729319	729319	729319

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MADE IN GERMANY

300 - 450 kVA ENGINES DOOSAN

RID 300 B-SERIES

RID 300 B-SERIES S

TECHNICAL DATA:

MODEL		RID 300 B-SERIES	RID 300 B-SERIES S	RID 400 B-SERIES	RID 400 B-SERIES S	RID 450 B-SERIES	RID 450 B-SERIES S
Version		open skid	silent	open skid	silent	open skid	silent
Order number Generator		**713709**	**713714**	**713711**	**713712**	**713713**	**713715**
Order number Generator with ATS		-	-	-	-	-	-
Order number Generator external ATS		728318	728318	728318	728318	728319	728319
Nom. output P.R.P. (cos = 0,8)	kVA/kW	300 / 240		400 / 320		454 / 363	
Nom. total current (cos = 0,8)	A	432		576		654	
Voltage	V	230 / 400		230 / 400		230 / 400	
Frequency	Hz	50		50		50	
Dimensions (L x W x H)	mm	2850x1700x2047	3351x1740x2411	4000x1900x2224	4000x1940x2383	4000x1900x2218	4000x1940x2383
Weight	kg	2720	3510	4010	4500	4200	4900
Noise level	dB(A)	89	69	90	69	91	69
Fuel tank capacity	l	1000		1000		1000	
Engine	**Doosan**	**P126TI-2**		**P158LE**		**P158LE-S**	
Speed range	rpm	1500		1500		1500	
Speed governor		electrical		electrical		electrical	
Fuel		diesel		diesel		diesel	
Cooling system		water + air		water + air		water + air	
Displacement	l	11		14,6		14,6	
Engine output	kW	265		363		402	
Starter	V	24		24		24	
Oil type (recommended)		RID 15W40		RID 15W40		RID 15W40	
Engine oil volume	l	23		28		28	
Fuel consumption load 100/75%	l / h	63,1 / 47		89,3 / 65,1		99,5 / 74	
Generator		**synchronous**		**synchronous**		**synchronous**	
Isolation type		H		H		H	
Protection class		IP 23		IP 23		IP 23	

OPTIONS (description - page 46)	ORDER NUMBER					
Coolant heater	715088	715088	715106	715106	715107	715107
Fuel filter / water separator	754027	754027	754028	754028	754029	754029
External fuel tank 720/1000 l	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010
Automatic refilling system 720/1000 l	on request	on request	on request	on request	on request	on request
ASC 48 controller for battery charging	729323	729323	729323	729323	729323	729323
GSM modem	729300	729300	729300	729300	729300	729300
IP modem	729319	729319	729319	729319	729319	729319

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MADE IN GERMANY

500 - 650 kVA ENGINES DOOSAN

RID 500 B-SERIES S

RID 650 B-SERIES

DOOSAN

TECHNICAL DATA:

MODEL		RID 500 B-SERIES	RID 500 B-SERIES S	RID 600 B-SERIES	RID 600 B-SERIES S	RID 650 B-SERIES	RID 650 B-SERIES S
Version		open skid	silent	open skid	silent	open skid	silent
Order number Generator		**713716**	**713717**	**713718**	**713719**	**713720**	**713721**
Order number Generator with ATS		-	-	-	-	-	-
Order number Generator external ATS		728319	728319	728320	728320	728320	728320
Nom. output P.R.P. (cos = 0,8)	kVA/kW	500 / 400		600 / 480		650 / 520	
Nom. total current (cos = 0,8)	A	720		864		936	
Voltage	V	230 / 400		230 / 400		230 / 400	
Frequency	Hz	50		50		50	
Dimensions (L x W x H)	mm	4000x1900x2218	4000x1940x2383	4000x1900x2295	4400x2140x2549	4000x1900x2295	4400x2140x2549
Weight	kg	4300	5100	4600	5600	4900	6000
Noise level	dB(A)	92	77	93	77	93	77
Fuel tank capacity	l	1000		1000		1000	
Engine	**Doosan**	**P180LE**		**P222LE**		**P222FE**	
Speed range	rpm	1500		1500		1500	
Speed governor		electrical		electrical		electrical	
Fuel		diesel		diesel		diesel	
Cooling system		water + air		water + air		water + air	
Displacement	l	18,2		21,9		21,9	
Engine output	kW	443		532		569	
Starter	V	24		24		24	
Oil type (recommended)		RID 15W40		RID 15W40		RID 15W40	
Engine oil volume	l	35		40		40	
Fuel consumption load 100/75%	l / h	111,6 / 81,3		134 / 97,6		148,5 / 109,8	
Generator		**synchronous**		**synchronous**		**synchronous**	
Isolation type		H		H		H	
Protection class		IP 23		IP 23		IP 23	

OPTIONS (description - page 46)	ORDER NUMBER					
Coolant heater	715108	715108	715095	715095	715095	715095
Fuel filter / water separator	754030	754030	754031	754031	754032	754032
External fuel tank 720/1000 l	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010
Automatic refilling system 720/1000 l	on request	on request	on request	on request	on request	on request
ASC 48 controller for battery charging	729323	729323	729323	729323	729323	729323
GSM modem	729300	729300	729300	729300	729300	729300
IP modem	729319	729319	729319	729319	729319	729319

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MADE IN GERMANY

700 - 800 kVA ENGINES DOOSAN

RID 700 B-SERIES S

RID 800 B-SERIES S

TECHNICAL DATA:

MODEL		RID 700 B-SERIES	RID 700 B-SERIES S	RID 800 B-SERIES	RID 800 B-SERIES S
Version		open skid	silent	open skid	silent
Order number Generator		**713740**	**713741**	**713742**	**713743**
Order number Generator with ATS		-	-	-	-
Order number Generator external ATS		728321	728321	728321	728321
Nom. output P.R.P. (cos = 0,8)	kVA/kW	700 / 560		800 / 640	
Nom. total current (cos = 0,8)	A	1010		1150	
Voltage	V	230 / 400		230 / 400	
Frequency	Hz	50		50	
Dimensions (L x W x H)	mm	4100x1800x2100	5000x2100x2400	4200x1800x2100	5300x2450x2700
Weight	kg	6100	7400	7400	10100
Noise level	dB(A)	102	79	103	79
Fuel tank capacity	l	1000		1265	
Engine	**Doosan**	**DP180LB**		**DP222LC**	
Speed range	rpm	1500		1500	
Speed governor		electrical		electrical	
Fuel		diesel		diesel	
Cooling system		water + air		water + air	
Displacement	l	18,3		21,9	
Engine output	kW	612		723	
Starter	V	24		24	
Oil type (recommended)		RID 15W40		RID 15W40	
Engine oil volume	l	40		40	
Fuel consumption load 100/75%	l / h	148 / 115		150 / 129	
Generator		**synchronous**		**synchronous**	
Isolation type		H		H	
Protection class		IP 23		IP 23	

OPTIONS (description - page 46)	ORDER NUMBER			
Coolant heater	715095	715095	715095	715095
Fuel filter / water separator	754007	754007	754007	754007
External fuel tank 720/1000 l	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010
Automatic refilling system 720/1000 l	on request	on request	on request	on request
ASC 48 controller for battery charging	729323	729323	729323	729323
GSM modem	729300	729300	729300	729300
IP modem	729319	729319	729319	729319

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MTU
ENGINES

MTU - Germany's leading manufacturer of diesel engines and complete systems for power plants is part of the corporation Rolls-Royce Power Systems AG. MTU Engines are the fruit of painstaking and long-term work of engineers.

With MTU diesel engines for gensets, there is no need to make any sort of compromise. No matter what the application, the technical design concept of the various engines will allow precise planning and tailoring to suit your individual requirements.

All these advantages add up to a degree of overall plant efficiency which optimally matches each specific application. All our products meet the highest standards for quality and safety. Available from a single source, they are also production-tested to work together as integrated systems, ensuring exceptional reliability and performance.

MADE IN GERMANY

300 - 400 kVA ENGINES MTU

RID 300 G-SERIES S

RID 400 G-SERIES S

TECHNICAL DATA:

MODEL		RID 300 G-SERIES	RID 300 G-SERIES S	RID 350 G-SERIES	RID 350 G-SERIES S	RID 400 G-SERIES	RID 400 G-SERIES S
Version		open skid	silent	open skid	silent	open skid	silent
Order number Generator		**713500**	**713501**	**713502**	**713503**	**713504**	**713505**
Order number Generator with ATS		-	-	-	-	-	-
Order number Generator external ATS		728318	728318	728318	728318	728318	728318
Nom. output P.R.P. (cos = 0,8)	kVA/kW	300 / 240		350 / 280		400 / 320	
Nom. total current (cos = 0,8)	A	432		505		577	
Voltage	V	230 / 400		230 / 400		230 / 400	
Frequency	Hz	50		50		50	
Dimensions (L x W x H)	mm	2850x1700x2170	3351x1740x2411	2850x1700x2170	3351x1740x2411	2800x1614x2210	4000x1940x2383
Weight	kg	3481	4281	3936	4736	4071	4871
Noise level	dB(A)	94	70	94	70	94	70
Fuel tank capacity	l	1000		1000		1000	
Engine	**MTU**	**6R1600G20F**		**8V1600G10F**		**8V1600G20F**	
Speed range	rpm	1500		1500		1500	
Speed governor		electrical		electrical		electrical	
Fuel		diesel		diesel		diesel	
Cooling system		water + air		water + air		water + air	
Displacement	l	10,5		14		14	
Engine output	kW	274		325		358	
Starter	V	24		24		24	
Oil type (recommended)		RID 10W40		RID 10W40		RID 10W40	
Engine oil volume	l	34		34		34	
Fuel consumption load 100/75%	l / h	63,7 / 47,8		75,6 / 56,7		95,9 / 62,4	
Generator		**synchronous**		**synchronous**		**synchronous**	
Isolation type		H		H		H	
Protection class		IP 23		IP 23		IP 23	

OPTIONS (description - page 46)	ORDER NUMBER					
Coolant heater	715004	715004	715004	715004	715004	715004
Fuel filter / water separator	715001	715001	715001	715001	715001	715001
External fuel tank 720/1000 l	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010
Automatic refilling system 720/1000 l	on request	on request	on request	on request	on request	on request
ASC 48 controller for battery charging	729323	729323	729323	729323	729323	729323
GSM modem	729300	729300	729300	729300	729300	729300
IP modem	729319	729319	729319	729319	729319	729319

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MADE IN GERMANY

450 - 600 kVA ENGINES MTU

RID 450 G-SERIES S

RID 500 G-SERIES S

TECHNICAL DATA:

MODEL		RID 450 G-SERIES	RID 450 G-SERIES S	RID 500 G-SERIES	RID 500 G-SERIES S	RID 600 G-SERIES	RID 600 G-SERIES S
Version		open skid	silent	open skid	silent	open skid	silent
Order number Generator		**713506**	**713507**	**713508**	**713509**	**713510**	**713511**
Order number Generator with ATS		-	-	-	-	-	-
Order number Generator external ATS		728319	728319	728319	728319	728320	728320
Nom. output P.R.P. (cos = 0,8)	kVA/kW	450 / 360		500 / 400		600 / 480	
Nom. total current (cos = 0,8)	A	660		721		866	
Voltage	V	230 / 400		230 / 400		230 / 400	
Frequency	Hz	50		50		50	
Dimensions (L x W x H)	mm	2800x1614x2218	4000x1940x2383	2800x1614x2218	4000x1940x2383	4000x1900x2295	4400x2140x2549
Weight	kg	4767	5607	4767	5607	5011	5851
Noise level	dB(A)	94	68	94	68	94	68
Fuel tank capacity	l	1000		1000		1000	
Engine	**MTU**	**10R1600G10F**		**10R1600G20F**		**12V1600G10F**	
Speed range	rpm	1500		1500		1500	
Speed governor		electrical		electrical		electrical	
Fuel		diesel		diesel		diesel	
Cooling system		water + air		water + air		water + air	
Displacement	l	17,5		17,5		21	
Engine output	kW	407		448		524	
Starter	V	24		24		24	
Oil type (recommended)		RID 10W40		RID 10W40		RID 10W40	
Engine oil volume	l	-		-		-	
Fuel consumption load 100/75%	l / h	107,2 / 71		115,6 / 78,1		139,6 / 91,4	
Generator		**synchronous**		**synchronous**		**synchronous**	
Isolation type		H		H		H	
Protection class		IP 23		IP 23		IP 23	

OPTIONS (description - page 46)	ORDER NUMBER					
Coolant heater	715004	715004	715004	715004	715095	715095
Fuel filter / water separator	715001	715001	715001	715001	754007	754007
External fuel tank 720/1000 l	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010
Automatic refilling system 720/1000 l	on request	on request	on request	on request	on request	on request
ASC 48 controller for battery charging	729323	729323	729323	729323	729323	729323
GSM modem	729300	729300	729300	729300	729300	729300
IP modem	729319	729319	729319	729319	729319	729319

MTU

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MADE IN GERMANY

640 - 900 kVA ENGINES MTU

RID 640 G-SERIES S

RID 900 G-SERIES S

TECHNICAL DATA:

MODEL		RID 640 G-SERIES	RID 640 G-SERIES S	RID 800 G-SERIES	RID 800 G-SERIES S	RID 900 G-SERIES	RID 900 G-SERIES S
Version		open skid	silent	open skid	silent	open skid	silent
Order number Generator		**713512**	**713513**	**713514**	**713515**	**713516**	**713517**
Order number Generator with ATS		-	-	-	-	-	-
Order number Generator external ATS		728320	728320	728321	728321	728322	728322
Nom. output P.R.P. (cos = 0,8)	kVA/kW	640 / 512		800 / 640		900 / 720	
Nom. total current (cos = 0,8)	A	941		1156		1296	
Voltage	V	230 / 400		230 / 400		230 / 400	
Frequency	Hz	50		50		50	
Dimensions (L x W x H)	mm	4000x1900x2295	4400x2140x2549	4200x1800x2400	5300x2450x2700	4500x2000x2450	5300x2450x2700
Weight	kg	5281	6121	6900	10600	7400	11000
Noise level	dB(A)	94	68	90	72	86	72
Fuel tank capacity	l	1000		1265		1265	
Engine	**MTU**	**12V1600G20F**		**12V2000G65TD**		**16V2000G25TD**	
Speed range	rpm	1500		1500		1500	
Speed governor		electrical		electrical		electrical	
Fuel		diesel		diesel		diesel	
Cooling system		water + air		water + air		water + air	
Displacement	l	21		23,9		31,84	
Engine output	kW	576		695		810	
Starter	V	24		24		24	
Oil type (recommended)		RID 10W40		RID 10W40		RID 10W40	
Engine oil volume	l	73		77		102	
Fuel consumption load 100/75%	l / h	154,2 / 104,1		189,2 / 120		218,7 / 140	
Generator		**synchronous**		**synchronous**		**synchronous**	
Isolation type		H		H		H	
Protection class		IP 23		IP 23		IP 23	

OPTIONS (description - page 46)	ORDER NUMBER					
Coolant heater	715095	715095	715095	715095	715095	715095
Fuel filter / water separator	754007	754007	754007	754007	754007	754007
External fuel tank 720/1000 l	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010
Automatic refilling system 720/1000 l	on request	on request	on request	on request	on request	on request
ASC 48 controller for battery charging	729323	729323	729323	729323	729323	729323
GSM modem	729300	729300	729300	729300	729300	729300
IP modem	729319	729319	729319	729319	729319	729319

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MADE IN GERMANY

1000 - 1100 kVA ENGINES MTU

RID 1000 G-SERIES S

RID 1100 G-SERIES S

TECHNICAL DATA:

MODEL		RID 1000 G-SERIES	RID 1000 G-SERIES S	RID 1100 G-SERIES	RID 1100 G-SERIES S
Version		open skid	silent	open skid	silent
Order number Generator		**713518**	**713519**	**713520**	**713521**
Order number Generator with ATS		-	-	-	-
Order number Generator external ATS		728322	728322	728322	728322
Nom. output P.R.P. (cos = 0,8)	kVA/kW	1000 / 800		1100 / 880	
Nom. total current (cos = 0,8)	A	1443		1587	
Voltage	V	230 / 400		230 / 400	
Frequency	Hz	50		50	
Dimensions (L x W x H)	mm	5000x2000x2400	6000x2700x2900	5000x2000x2400	6000x2700x2900
Weight	kg	9300	11900	9400	12100
Noise level	dB(A)	102	78	102	78
Fuel tank capacity	l	1500		1500	
Engine	**MTU**	**16V2000G65**		**18V2000G65**	
Speed range	rpm	1500		1500	
Speed governor		electrical		electrical	
Fuel		diesel		diesel	
Cooling system		water + air		water + air	
Displacement	l	31,8		35,8	
Engine output	kW	704		775	
Starter	V	24		24	
Oil type (recommended)		RID 10W40		RID 10W40	
Engine oil volume	l	105		105	
Fuel consumption load 100/75%	l / h	235 / 170		255 / 190	
Generator		**synchronous**		**synchronous**	
Isolation type		H		H	
Protection class		IP 23		IP 23	

OPTIONS (description - page 46)	ORDER NUMBER			
Coolant heater	715095	715095	715004	715004
Fuel filter / water separator	754007	754007	754007	754007
External fuel tank 720/1000 l	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010
Automatic refilling system 720/1000 l	on request	on request	on request	on request
ASC 48 controller for battery charging	729323	729323	729323	729323
GSM modem	729300	729300	729300	729300
IP modem	729319	729319	729319	729319

MTU

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VOLVO
ENGINES

For more than 100 years, Volvo Penta has provided power to customers around the globe – in remote regions and extreme climates. Volvo Penta is part of the Volvo Group, the world-leading developer and manufacturer of heavy-duty diesel engines. The engines from Volvo Group are used in trucks, buses, construction equipment, marine applications and all types of industrial applications. The Volvo brand is strong and well accepted. Our comprehensive product range together with our worldwide aftermarket support is designed and adapted to meet all kinds of customer needs, all over the world.

Functionality is the common denominator for all power generation operations. That is one reason why there is always a perfect Volvo Penta engine for your next power generation setup – irrespective of conditions and environment.

Despite the coldest temperatures on the planet, down to –90°C, Volvo Penta engines are proving their reliability by helping to keep an Antarctic research facility powered up — and warm — around the clock. Three Volvo Penta gensets are used as primary power sources, for everyday activities, while one is used as an emergency standby. The low cost of ownership with Volvo Penta diesel power comes from high efficiency engines that offer exceptional reliability for maximum uptime. Easy installation and worldwide support are also reasons why world leading generator set producers choose Volvo Penta.

MADE IN GERMANY

80 - 130 kVA ENGINES VOLVO

RID 100 V-SERIES

RID 130 V-SERIES S

TECHNICAL DATA:

MODEL		RID 80 V-SERIES	RID 80 V-SERIES S	RID 100 V-SERIES	RID 100 V-SERIES S	RID 130 V-SERIES	RID 130 V-SERIES S
Version		open skid	silent	open skid	silent	open skid	silent
Order number Generator		**713560**	**713562**	**713564**	**713566**	**713568**	**713570**
Order number Generator with ATS		713561	713563	713565	713567	713569	713571
Order number Generator external ATS		728314	728314	728316	728316	728316	728316
Nom. output P.R.P. (cos = 0,8)	kVA/kW	80 / 64		100 / 80		130 / 104	
Nom. total current (cos = 0,8)	A	115		144		188	
Voltage	V	230 / 400		230 / 400		230 / 400	
Frequency	Hz	50		50		50	
Dimensions (L x W x H)	mm	2320x1100x1605	2320x1130x1685	2250x1124x1653	2800x1230x1827	2250x1124x1653	2800x1230x1827
Weight	kg	930	1320	1200	1600	1450	1970
Noise level	dB(A)	95,5	71	97	71	101	72
Fuel tank capacity	l	350		400		400	
Engine	**Volvo**	**TD520GE**		**TAD531GE**		**TAD532GE**	
Speed range	rpm	1500		1500		1500	
Speed governor		mechanical		mechanical		mechanical	
Fuel		diesel		diesel		diesel	
Cooling system		water + air		water + air		water + air	
Displacement	l	4,76		4,76		4,76	
Engine output	kW	85		98		125	
Starter	V	12		12		12	
Oil type (recommended)		RID 10W40		RID 10W40		RID 10W40	
Engine oil volume	l	13		13		13	
Fuel consumption load 100/75%	l / h	19,5 / 14,3		23,4 / 17,6		29,2 / 21,5	
Generator		**synchronous**		**synchronous**		**synchronous**	
Isolation type		H		H		H	
Protection class		IP 23		IP 23		IP 23	

OPTIONS (description - page 46)	ORDER NUMBER					
Coolant heater	715008	715008	715008	715008	715008	715008
Fuel filter / water separator	754033	754033	754033	754033	754033	754033
External fuel tank 720/1000 l	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010
Automatic refilling system 720/1000 l	on request	on request	on request	on request	on request	on request
ASC 48 controller for battery charging	729323	729323	729323	729323	729323	729323
GSM modem	729300	729300	729300	729300	729300	729300
IP modem	729319	729319	729319	729319	729319	729319

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MADE IN GERMANY

150 - 250 kVA ENGINES VOLVO

RID 150 V-SERIES S

RID 250 V-SERIES S

TECHNICAL DATA:

MODEL		RID 150 V-SERIES	RID 150 V-SERIES S	RID 200 V-SERIES	RID 200 V-SERIES S	RID 250 V-SERIES	RID 250 V-SERIES S
Version		open skid	silent	open skid	silent	open skid	silent
Order number Generator		**713572**	**713573**	**713574**	**713575**	**713576**	**713577**
Order number Generator with ATS		-	-	-	-	-	-
Order number Generator external ATS		728316	728316	728317	728317	728317	728317
Nom. output P.R.P. (cos = 0,8)	kVA/kW	150 / 120		200 / 160		250 / 200	
Nom. total current (cos = 0,8)	A	217		288		360	
Voltage	V	230 / 400		230 / 400		230 / 400	
Frequency	Hz	50		50		50	
Dimensions (L x W x H)	mm	3350x1430x2114	3350x1430x2114	3350x1430x2114	3350x1430x2114	3350x1430x2114	3350x1430x2114
Weight	kg	1615	2190	2026	2416	2080	2895
Noise level	dB(A)	94,8	72	94,8	68	97,6	70
Fuel tank capacity	l	500		500		500	
Engine	**Volvo**	**TAD731GE**		**TAD733GE**		**TAD734GE**	
Speed range	rpm	1500		1500		1500	
Speed governor		electrical		electrical		electrical	
Fuel		diesel		diesel		diesel	
Cooling system		water + air		water + air		water + air	
Displacement	l	7,15		7,15		7,15	
Engine output	kW	148		197		238	
Starter	V	12		24		24	
Oil type (recommended)		RID 10W40		RID 10W40		RID 10W40	
Engine oil volume	l	20		34		29	
Fuel consumption load 100/75%	l / h	34,9 / 26,2		46,6 / 34,6		53 / 42,4	
Generator		**synchronous**		**synchronous**		**synchronous**	
Isolation type		H		H		H	
Protection class		IP 23		IP 23		IP 23	

OPTIONS (description - page 46)	ORDER NUMBER					
Coolant heater	715004	715004	715004	715004	715004	715004
Fuel filter / water separator	754034	754034	754034	754034	754034	754034
External fuel tank 720/1000 l	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010
Automatic refilling system 720/1000 l	on request	on request	on request	on request	on request	on request
ASC 48 controller for battery charging	729323	729323	729323	729323	729323	729323
GSM modem	729300	729300	729300	729300	729300	729300
IP modem	729319	729319	729319	729319	729319	729319

VOLVO

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MADE IN GERMANY

300 - 400 kVA ENGINES VOLVO

RID 300 V-SERIES S

RID 400 V-SERIES S

TECHNICAL DATA:

MODEL		RID 300 V-SERIES	RID 300 V-SERIES S	RID 350 V-SERIES	RID 350 V-SERIES S	RID 400 V-SERIES	RID 400 V-SERIES S
Version		open skid	silent	open skid	silent	open skid	silent
Order number Generator		**713578**	**713579**	**713580**	**713581**	**713582**	**713583**
Order number Generator with ATS		-	-	-	-	-	-
Order number Generator external ATS		728318	728318	728318	728318	728318	728318
Nom. output P.R.P. (cos = 0,8)	kVA/kW	300 / 240		350 / 280		400 / 320	
Nom. total current (cos = 0,8)	A	433		505		578	
Voltage	V	230 / 400		230 / 400		230 / 400	
Frequency	Hz	50		50		50	
Dimensions (L x W x H)	mm	2850x1700x2170	3351x1740x2411	2850x1700x2210	3351x1740x2411	2800x1614x2224	4000x1940x2383
Weight	kg	3340	3750	3500	3900	4010	4500
Noise level	dB(A)	101	70	101	70	105	71
Fuel tank capacity	l	1000		1000		1000	
Engine	**Volvo**	**TAD1341GE**		**TAD1342GE**		**TAD1344GE**	
Speed range	rpm	1500		1500		1500	
Speed governor		electrical		electrical		electrical	
Fuel		diesel		diesel		diesel	
Cooling system		water + air		water + air		water + air	
Displacement	l	12,78		12,78		12,78	
Engine output	kW	298		333		389	
Starter	V	24		24		24	
Oil type (recommended)		RID 10W40		RID 10W40		RID 10W40	
Engine oil volume	l	36		36		36	
Fuel consumption load 100/75%	l / h	63,2 / 48,4		70,6 / 53,5		84 / 64	
Generator		**synchronous**		**synchronous**		**synchronous**	
Isolation type		H		H		H	
Protection class		IP 23		IP 23		IP 23	

OPTIONS (description - page 46)	ORDER NUMBER					
Coolant heater	715004	715004	715004	715004	715004	715004
Fuel filter / water separator	754034	754034	754034	754034	754034	754034
External fuel tank 720/1000 l	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010
Automatic refilling system 720/1000 l	on request	on request	on request	on request	on request	on request
ASC 48 controller for battery charging	729323	729323	729323	729323	729323	729323
GSM modem	729300	729300	729300	729300	729300	729300
IP modem	729319	729319	729319	729319	729319	729319

VOLVO

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MADE IN GERMANY

450 - 600 kVA ENGINES VOLVO

RID 600 V-SERIES

RID 600 V-SERIES S

TECHNICAL DATA:

MODEL		RID 450 V-SERIES	RID 450 V-SERIES S	RID 500 V-SERIES	RID 500 V-SERIES S	RID 600 V-SERIES	RID 600 V-SERIES S
Version		open skid	silent	open skid	silent	open skid	silent
Order number Generator		**713584**	**713585**	**713586**	**713587**	**713588**	**713589**
Order number Generator with ATS		-	-	-	-	-	-
Order number Generator external ATS		728319	728319	728319	728319	728319	728319
Nom. output P.R.P. (cos = 0,8)	kVA/kW	450 / 360		500 / 400		600 / 480	
Nom. total current (cos = 0,8)	A	650		728		866	
Voltage	V	230 / 400		230 / 400		230 / 400	
Frequency	Hz	50		50		50	
Dimensions (L x W x H)	mm	2800x1614x2218	4000x1940x2383	2800x1614x2218	4000x1940x2383	4000x1900x2295	4400x2140x2549
Weight	kg	4200	4900	4300	5100	4600	5600
Noise level	dB(A)	105	70	105	71	102	71
Fuel tank capacity	l	1000		1000		1000	
Engine	**Volvo**	**TAD1640GE**		**TAD1641GE**		**TAD1642GE**	
Speed range	rpm	1500		1500		1500	
Speed governor		electrical		electrical		electrical	
Fuel		diesel		diesel		diesel	
Cooling system		water + air		water + air		water + air	
Displacement	l	16,12		16,12		16,12	
Engine output	kW	431		473		554	
Starter	V	24		24		24	
Oil type (recommended)		RID 10W40		RID 10W40		RID 10W40	
Engine oil volume	l	48		42		42	
Fuel consumption load 100/75%	l / h	96 / 71		105 / 78		122 / 90	
Generator		**synchronous**		**synchronous**		**synchronous**	
Isolation type		H		H		H	
Protection class		IP 23		IP 23		IP 23	

OPTIONS (description - page 46)	ORDER NUMBER					
Coolant heater	715004	715004	715004	715004	715095	715095
Fuel filter / water separator	754034	754034	754034	754034	754007	754007
External fuel tank 720/1000 l	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010
Automatic refilling system 720/1000 l	on request	on request	on request	on request	on request	on request
ASC 48 controller for battery charging	729323	729323	729323	729323	729323	729323
GSM modem	729300	729300	729300	729300	729300	729300
IP modem	729319	729319	729319	729319	729319	729319

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NEW TELECOM GENSET

NEW CANOPY DESIGN 2015:

- Anti vandal design
- Low noise level design
- Low dimension design
- Fuel tank up to 1000 liters on board
- Easy maintenance access
- Disassemble able
- High accuracy fuel control (1%)
- Full remote implemented
- No switch box access from outside, only with open canopy

ANTI VANDAL DESIGN:

- Air inlet indirect and covered 100% with metal sheet, no direct access with stock, pin, etc..
- Air outlet indirect to the side, same as above
- 100% No bolt fixing outside, no hinges
- No direct cable connection outside, only through basement
- Canopy made from one single welded part, no disassembly
- Individual lock design per each genset possible

MADE IN GERMANY

8 - 15 kVA ENGINES MITSUBISHI

TECHNICAL DATA:

MODEL (PREMIUM)		RID 8 E-SERIES	RID 8 E-SERIES S	RID 10 E-SERIES	RID 10 E-SERIES S	RID 15 E-SERIES	RID 15 E-SERIES S
Version		open skid	anti vandal	open skid	anti vandal	open skid	anti vandal
Order number Generator		**713105**	**713110**	**713189**	**713191**	**713196**	**713198**
Order number Generator with ATS		713106	713111	713190	713192	713197	713199
Order number Generator external ATS		-	-	-	-	-	-
Nom. output P.R.P. (cos = 0,8)	kVA/kW	8 / 6,4		10 / 8		15 / 12	
Nom. total current (cos = 0,8)	A	11,5		14,4		21,7	
Voltage	V	230 / 400		230 / 400		230 / 400	
Frequency	Hz	50		50		50	
Dimensions (L x W x H)	mm	1650x1100x1275	1650x1100x1575	1650x1100x1275	1650x1100x1575	1650x1100x1275	1650x1100x1575
Weight	kg	460	595	530	655	585	700
Noise level	dB(A)	80	59	81	59	84	59
Fuel tank capacity	l	**up to 1000 liters**					
Engine	Mitsubishi	**L3E**		**S3L2**		**S4L2**	
Speed range	rpm	1500		1500		1500	
Speed governor		mechanical		mechanical		mechanical	
Fuel		diesel		diesel		diesel	
Cooling system		water + air		water + air		water + air	
Displacement	l	0,95		1,3		1,8	
Engine output	kW	6,4		10,8		15,4	
Starter	V	12		12		12	
Oil type (recommended)		RID 15W40		RID 15W40		RID 15W40	
Engine oil volume	l	3,1		4,2		6	
Fuel consumption load 100/75%	l / h	2,4 / 1,85		3,1 / 2,4		4,3 / 3,4	
Generator		**synchronous**		**synchronous**		**synchronous**	
Isolation type		H		H		H	
Protection class		IP 23		IP 23		IP 23	
Advantage		**rust-resistant fuel tank**					

OPTIONS (description - page 46)	ORDER NUMBER					
Coolant heater	715008	715008	715008	715008	715008	715008
Fuel heater	753002	753002	753002	753002	753002	753002
Fuel filter / water separator	754003	754003	754002	754002	754002	754002
External fuel tank 720/1000 l	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010
Automatic refilling system 720/1000 l	on request	on request	on request	on request	on request	on request
ASC 48 controller for battery charging	729323	729323	729323	729323	729323	729323
GSM modem	729300	729300	729300	729300	729300	729300
IP modem	729319	729319	729319	729319	729319	729319

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MITSUBISHI TELECOM

MADE IN GERMANY

20 - 30 kVA ENGINES MITSUBISHI

TECHNICAL DATA:

MODEL (PREMIUM)		RID 20 E-SERIES	RID 20 E-SERIES S	RID 30 E-SERIES	RID 30 E-SERIES S
Version		open skid	anti vandal	open skid	anti vandal
Order number Generator		**713161**	**713162**	**713262**	**713264**
Order number Generator with ATS		713167	713168	713263	713265
Order number Generator external ATS		-	-	-	-
Nom. output P.R.P. (cos = 0,8)	kVA/kW	20 / 16		30 / 24	
Nom. total current (cos = 0,8)	A	29		43	
Voltage	V	230 / 400		230 / 400	
Frequency	Hz	50		50	
Dimensions (L x W x H)	mm	1650x1100x1275	1650x1100x1575	1850x1100x1490	1850x1100x1490
Weight	kg	780	860	870	960
Noise level	dB(A)	80	59	81	59
Fuel tank capacity	l	**up to 1000 liters**			
Engine	Mitsubishi	**S4Q2**		**S4S**	
Speed range	rpm	1500		1500	
Speed governor		mechanical		mechanical	
Fuel		diesel		diesel	
Cooling system		water + air		water + air	
Displacement	l	2,3		3,3	
Engine output	kW	19,5		31,6	
Starter	V	12		12	
Oil type (recommended)		RID 15W40		RID 15W40	
Engine oil volume	l	6,5		10	
Fuel consumption load 100/75%	l / h	6,4 / 4,7		8,4 / 6,3	
Generator		**synchronous**		**synchronous**	
Isolation type		H		H	
Protection class		IP 23		IP 23	
Advantage		**rust-resistant fuel tank**			

OPTIONS (description - page 46)	ORDER NUMBER			
Coolant heater	715008	715008	715008	715008
Fuel filter / water separator	754005	754005	754008	754008
External fuel tank 720 / 1000 l	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010
Automatic refilling system 720 / 1000 l	on request	on request	on request	on request
ASC 48 controller for battery charging	729323	729323	729323	729323
GSM modem	729300	729300	729300	729300
IP modem	729319	729319	729319	729319

MITSUBISHI TELECOM

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MADE IN GERMANY

15 - 20 kVA ENGINES DEUTZ

TECHNICAL DATA:

MODEL (PREMIUM)		RID 15 S-SERIES	RID 15 S-SERIES S	RID 20 S-SERIES	RID 20 S-SERIES S
Version		open skid	anti vandal	open skid	anti vandal
Order number Generator		**713270**	**713272**	**713274**	**713276**
Order number Generator with ATS		713271	713273	713275	713277
Order number Generator external ATS		-	-	-	-
Nom. output P.R.P. (cos = 0,8)	kVA/kW	15 / 12		20 / 16	
Nom. total current (cos = 0,8)	A	21,7		29	
Voltage	V	230 / 400		230 / 400	
Frequency	Hz	50		50	
Dimensions (L x W x H)	mm	1650x1100x1275	1650x1100x1575	1650x1100x1275	1650x1100x1575
Weight	kg	460	595	530	655
Noise level	dB(A)	80	59	81	59
Fuel tank capacity	l	**up to 1000 liters**			
Engine	**DEUTZ**	**F3M2011**		**F3M2011**	
Speed range	rpm	1500		1500	
Speed governor		mechanical		mechanical	
Fuel		diesel		diesel	
Cooling system		oil + air		oil + air	
Displacement	l	2,3		2,3	
Engine output	kW	20,4		20,4	
Starter	V	12		12	
Oil type (recommended)		RID-Deutz 10W40		RID-Deutz 10W40	
Engine oil volume	l	9		9	
Fuel consumption load 100/75%	l / h	6,1 / 5,7		6,1 / 5,7	
Generator		**synchronous**		**synchronous**	
Isolation type		H		H	
Protection class		IP 23		IP 23	
Advantage		**rust-resistant fuel tank**			

OPTIONS (description - page 46)	ORDER NUMBER			
Oil preheating	715076	715076	715076	715076
Fuel filter / water separator	754016	754016	754016	754016
External fuel tank 720/1000 l	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010
Automatic refilling system 720/1000 l	on request	on request	on request	on request
ASC 48 controller for battery charging	729323	729323	729323	729323
GSM modem	729300	729300	729300	729300
IP modem	729319	729319	729319	729319

DEUTZ TELECOM

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GENSETS RID TWIN POWER FOR TELECOMMUNICATION

RID Twin Power generators find their use in the telecommunication sector. “Twin Power” means two autonomous generators in a compact construction which allows an easy access.

In the operating mode „1+1“ will operate one of these engines which start the second engine to generate electricity. After a programmed duration will start the second engine which the consumer is switched on the second drive train. This principle enables an easy repair or maintenance. In case of failure of one of these two drives, the load is switched on the permanently available motor / generator.

The advantages of these RID Twin Power gensets are the compact size compared to two separate power generators which also simplify the transporation. The maximum reliability is guaranteed because even at a repair/maintenance will be power generated by the other genset.

MADE IN GERMANY

8 - 15 kBA ENGINES MITSUBISHI

RID 15 E-SERIES S TWIN POWER

TECHNICAL DATA:

MODEL (PREMIUM)		RID 8 E-SERIES	RID 8 E-SERIES S	RID 10 E-SERIES	RID 10 E-SERIES S	RID 15 E-SERIES	RID 15 E-SERIES S
Version		open skid	twin power	open skid	twin power	open skid	twin power
Order number Generator		-	-	-	-	-	-
Order number Generator with ATS		**713224**	**713225**	**713234**	**713235**	**713238**	**713239**
Order number Generator external ATS		-	-	-	-	-	-
Nom. output P.R.P. (cos = 0,8)	kVA/kW	8 / 6,4		10 / 8		15 / 12	
Nom. total current (cos = 0,8)	A	11,5		14,4		21,7	
Voltage	V	230 / 400		230 / 400		230 / 400	
Frequency	Hz	50		50		50	
Dimensions (L x W x H)	mm	2300x1300x1500	2300x1300x1640	2300x1300x1500	2300x1300x1640	2300x1300x1500	2300x1300x1640
Weight	kg	1170	1270	1210	1310	1250	1350
Noise level	dB(A)	80	59	81	59	84	59
Fuel tank capacity	l	**up to 1000 liters**					
Engine	Mitsubishi	**2x L3E**		**2x S3L2**		**2x S4L2**	
Speed range	rpm	1500		1500		1500	
Speed governor		mechanical		mechanical		mechanical	
Fuel		diesel		diesel		diesel	
Cooling system		water + air		water + air		water + air	
Displacement	l	0,95		1,3		1,8	
Engine output	kW	6,4		10,8		15,4	
Starter	V	12		12		12	
Oil type (recommended)		RID 15W40		RID 15W40		RID 15W40	
Engine oil volume	l	3,1		4,2		6	
Fuel consumption load 100/75%	l / h	2,4 / 1,85		3,1 / 2,4		4,3 / 3,4	
Generator		**synchronous**		**synchronous**		**synchronous**	
Isolation type		H		H		H	
Protection class		IP 23		IP 23		IP 23	

OPTIONS (description - page 46)	ORDER NUMBER					
Coolant heater	715008	715008	715008	715008	715008	715008
Fuel heater	753002	753002	753002	753002	753002	753002
Fuel filter / water separator	754003	754003	754002	754002	754002	754002
External fuel tank 720/1000 l	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010
Automatic refilling system 720/1000 l	on request	on request	on request	on request	on request	on request
ASC 48 controller for battery charging	729323	729323	729323	729323	729323	729323
GSM modem	729300	729300	729300	729300	729300	729300
IP modem	729319	729319	729319	729319	729319	729319

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48 V DC
GENERATOR

The innovative generating set 48 V DC has been developed by R.I.D. GmbH to supply telecommunication sites located in remote/rural areas or where the mains is either not present or unstable during the day.

Functioning of the System:

- *when the generating set is in active mode, it supplies the load and recharges the batteries*
- *when the batteries are fully charged, the generating set goes in to sleep mode and the load is supplied by the batteries*
- *when the batteries are discharged at the set DOD (Deep Of Discharge) the generating set switch to active mode*
- *when the batteries are fully charged the generating set switches to sleep mode and the site is supplied by the batteries*
- *the batteries never get completely discharged because the generating set starts in switch mode when the batteries reach the set DOD*

Generating set 48 V DC is a very advanced unit that, compared with standard solution (standard generating set + rectifier AC/DC + battery set) actually used in most of telecommunication sites, permit to minimize and reduce the CAPEX (Capital Expenses) and enormously reduce the OPEX (Operative Expenses).

Advantages:

- *Special structured coating, rust and oxidation proof at any environment*
- *Built-in fully bunded fuel tank 200, 500, 750 or 1000 l.*
- *Aluminum stainless dismountable in-built fuel tanks 200 l. (for Premium Line)*
- *Hand oil pump for easy oil change*
- *Integrated exhaust silencer and compensator*
- *Easy assembly / disassembly design*
- *Maintenance interval 250 operating hours*

MADE IN GERMANY

8 / 48 V DC - 15 / 48 V DC ENGINES MITSUBISHI

RID 8 / 48 V DC

RID 15 /48 V DC

TECHNICAL DATA:

MODEL		RID 8 / 48 DC E-SERIES	RID 8 / 48 DC E-SERIES S	RID 10 / 48 DC E-SERIES	RID 10 / 48 DC E-SERIES S	RID 15 / 48 DC E-SERIES	RID 15 / 48 DC E-SERIES S
Version		open skid	silent	open skid	silent	open skid	silent
Order number Generator		**713608**	**713609**	**713624**	**713625**	**713648**	**713649**
Order number Generator with ATS		-	-	-	-	-	-
Order number Generator external ATS		-	-	-	-	-	-
Nom. output P.R.P. (cos = 0,8)	kVA/kW	8 / 6,4		10 / 8		15 / 12	
Nom. total current (cos = 0,8)	A	50-134		50-167		50-250	
Voltage	V	**48 V DC**		**48 V DC**		**48 V DC**	
Type of current		direct current		direct current		direct current	
Dimensions (L x W x H)	mm	1440x785x1130	1710x800x1330	1440x785x1130	1710x800x1330	1440x785x1130	1710x800x1330
Weight	kg	410	570	440	600	470	640
Noise level	dB(A)	79	59	79	59	80	60
Fuel tank capacity	l	200		200		200	
Engine	Mitsubishi	**L3E**		**S3L2**		**S4L2**	
Speed range	rpm	1300-1600		1300-1600		1300-1600	
Speed governor		electrical		electrical		electrical	
Fuel		diesel		diesel		diesel	
Cooling system		water + air		water + air		water + air	
Displacement	l	0,95		1,3		1,8	
Engine output	kW	8,8		10,8		15,4	
Starter	V	12		12		12	
Oil type (recommended)		RID 15W40		RID 15W40		RID 15W40	
Engine oil volume	l	3,5		4,2		6	
Fuel consumption load 100/75%	l / h	2,4 / 1,85		3,1 / 2,4		4,1 / 3,4	
Generator		**synchronous**		**synchronous**		**synchronous**	
Isolation type		H		H		H	
Protection class		IP 23		IP 23		IP 23	

OPTIONS (description - page 46)	ORDER NUMBER					
Coolant heater	715008	715008	715008	715008	715008	715008
Fuel filter / water separator	754003	754003	715000	715000	715000	715000
External fuel tank 720/1000 l	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010
Automatic refilling system 720/1000 l	on request	on request	on request	on request	on request	on request
ASC 48 controller for battery charging	729323	729323	729323	729323	729323	729323
GSM modem	729300	729300	729300	729300	729300	729300
IP modem	729319	729319	729319	729319	729319	729319

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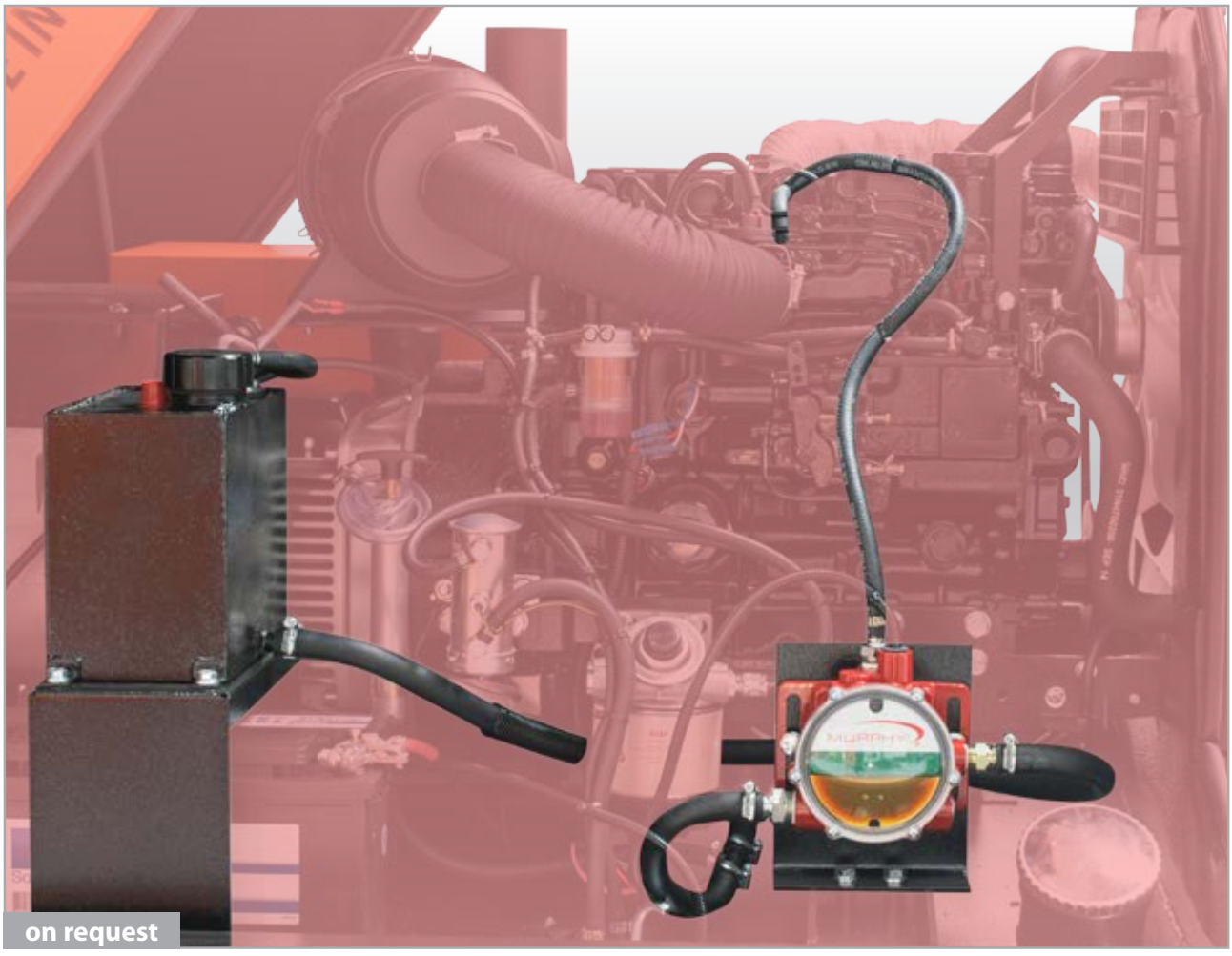
ADDITONAL OPTIONS

on request

external Automatic Transfer Switches (ATS)

on request

Large fuel tank up to 2000 liters



on request

Top up system - automatic refueling system for engine oil
Including electrical oil level sensor

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ADDITONAL OPTIONS

729300

RS232 – GSM Modem

729323

ASC 48 Controller of External Batteries

729024

ASC48-AM Controller ASC 48 Display

on request

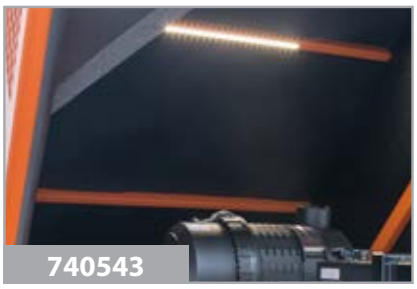
Fuel Filter with Water Separator

on request

Coolant Heater (Oil) (for PREMIUM model)

715004

Coolant Heater
with circulatory pump –for gensets > 310 kVA



740543

LED Lighting

715051

Exhaust Hose 1,5m; 2,5m; 5m

on request

Large starting battery
for easy start at low temperature

715016

RID fueling set
portable fuel station

718000 / 718010

External Fuel Tanks (720/1000 L)

on request

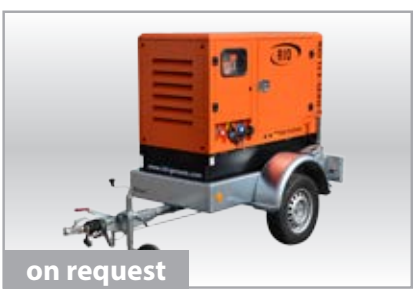
Spare Parts, replaceable and expendable materials are available for all Equipment

733212

Clogged air filter sensor
connected to controller RID 1000A with remote monitoring functionremote

on request

Ethernet modem



on request

Trailer

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MONITORING SYSTEM AND ATS RID 1000 A

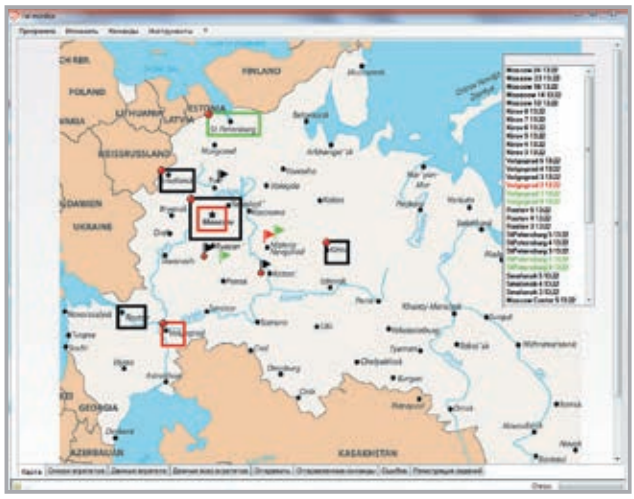
Both manual and automatic modes for generator and mains control are available. In case there are some malfunctions registered, the controller RID 1000 A will immediately start the generator. Should the voltage be different from the programmed limits, the genset contactor is immediately closed on load. If errors arise they will be shown on the display and the engine will shut down. Once the steady electricity network is back, the controller opens the genset contactor and transfer the load to the grid side. The generator is switched off automatically, after the programmable cooling time is over.

Control of operating expenses (OPEX)

The operational costs, such as fuel and maintenance costs for the various time periods are displayed on the control panels. The device provides the analysis of effectiveness on a basis of fuel consumption data and quantity of kW/hour.

GSM/GPRS/Ethernet

Monitoring System, Remote Controll of Gensets and Hybrid Systems.



Advantages of the System:

- Easy installation, configuration and control
- Overview the status of all objects
- possibility to Create separate regions on the map
- Detailed information about parameters of hybrid systems (wind generators, solar panels, batteries, gensets, load)
- The ability to download the necessary maps
- Four Task Schedulers of genset mode
- Detailed information of gensets and network
- Installation of test starts intervals
- Technical support
- Chart of effectiveness of hybrid systems mode

Controlled Parameters:

- Mains control
- Genset control
- Fuel tank level control
- Temperature control
- Maintenance cycles control
- Mains/generator power control
- Solar e nergy control
- Wind energy control
- Battery supply control
- Ventilation remote control
- Air condition remote control
- Video supervision control

POWER GENERATING SYSTEMS WITH INDIVIDUAL SOLUTIONS

STROMERZEUGER-SYSTEME

RID

POWER GENERATING SYSTEMS WITH INDIVIDUAL SOLUTIONS

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Please be aware, that the technical data are valid at the time of publication and is a subject to change.