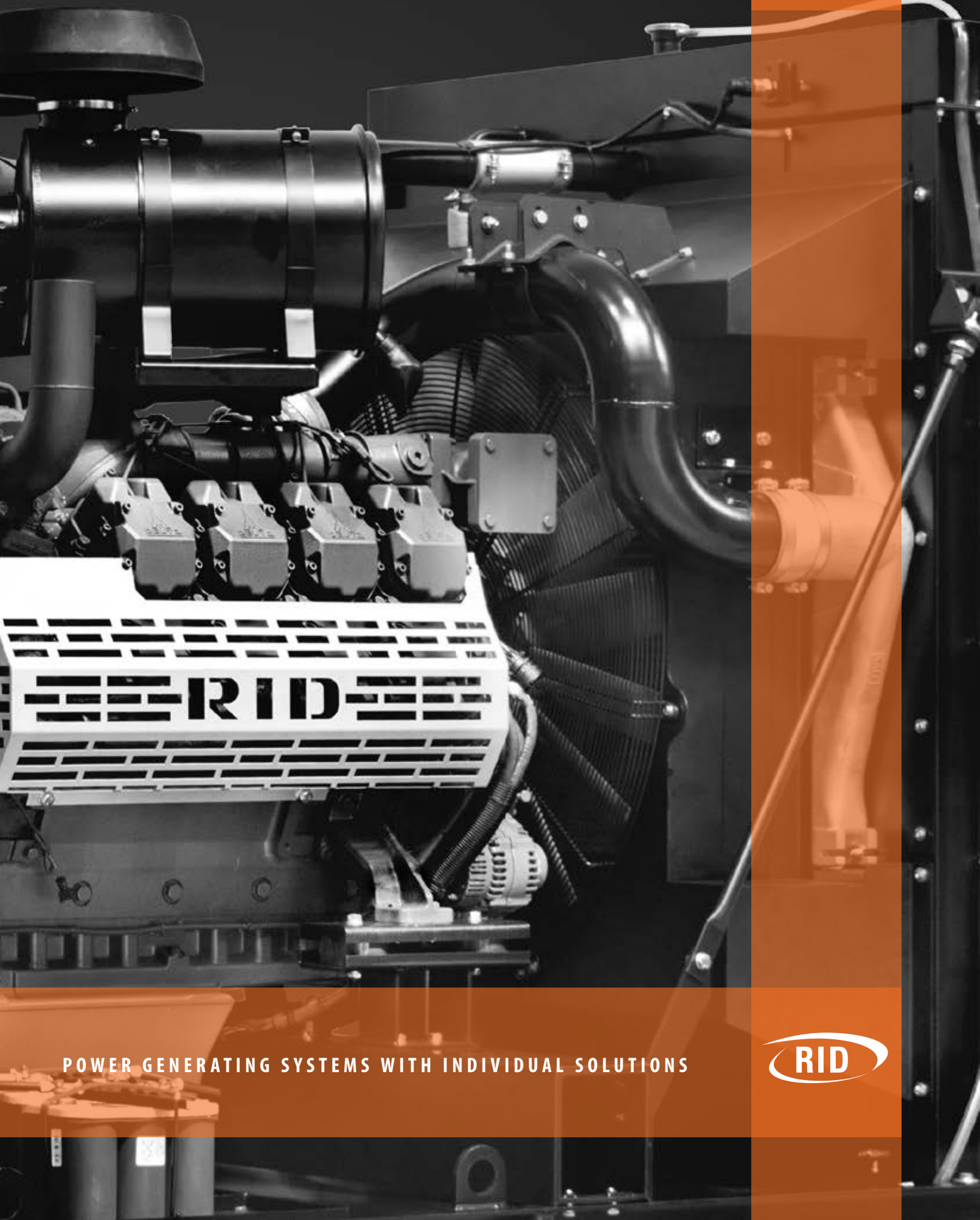


 **MADE IN GERMANY**

DIESEL GENERATOR SETS POWER RANGE 8 - 2000 KVA

2016



POWER GENERATING SYSTEMS WITH INDIVIDUAL SOLUTIONS





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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**)

V = Diesel gensets with Volvo engines (**V-SERIES**)

The designation example

RID 10/48 DC E-SERIES-S



CE

EAC

HYBRID SYSTEM FOR 48 V DC GENSETS



VARIO SPEED TECHNOLOGY

R.I.D. GmbH has developed a new technology VARIO SPEED to control the operation of the 48V DC Genset, as well as the controller RID 1000H.

VARIO SPEED TECHNOLOGY in combination to solar panels and storage batteries.

With low load ca. 50A on genset the speed will be reduced to 1000 RPM and will cause fuel save.

With load higher than 200A the RPM will increase up to 1800 RPM and will charge the batteries with high current.

STAGE 1 – BULK CHARGE:

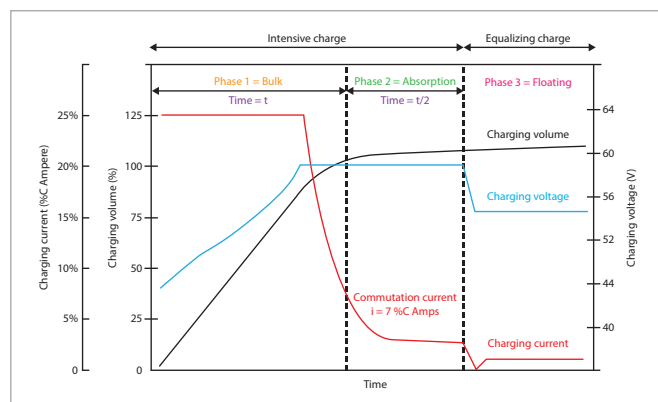
When the battery pack voltage is lower than the programmed threshold V_{min} . The generator starts to charge the system. During the first phase (bulk charge) the current absorbed by the battery pack is high and the voltage increases gradually.

STAGE 2 – ABSORPTION CHARGE:

When the voltage reaches a programmable V_{max} threshold, after a delay time Stage 2 is activated. The voltage remains steady while current decreases to commutation current level (I_{min}) which usually is 7% of battery pack capacity

STAGE 3 – FLOATING CHARGE / EQUALIZATION:

When the current is steady under I_{min} programmable threshold, Stage 3 is activated. The voltage is lowered to floating level (programmable). Charging current goes to zero and then returns to a positive value to give the last quantity of charge to the battery pack.



GSM/GPRS/Ethernet

Monitoring System, Remote Control of Gensets and Hybrid Systems.

Controlled Parameters: Mains control, Genset control, Fuel tank level control, Temperature control, Maintenance cycles control, Mains/generator power control, Solar energy control, Wind energy control, Battery supply control, Ventilation remote control, Air condition remote control, Video supervision control

- easy installation, configuration and control
- overview the status of all objects
- possibility to Create separate regions on the map
- 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



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

DEUTZ

RID 20 S-SERIES



RID 40 S-SERIES S



TECHNICAL DATA:

MODEL		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)	80	62	80,5	63	81	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	5,8 / 4,2		8,0 / 5,8		11,3 / 8,1	
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 40)	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



MADE IN GERMANY

60 - 100 kVA ENGINES DEUTZ

RID 60 S-SERIES



RID 100 S-SERIES S



TECHNICAL DATA:

MODEL		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	1800x940x1290	2320x1130x1685	2320x1130x1484	2320x1130x1685	2250x1124x1557	2800x1230x1828
Weight	kg	930	1320	930	1390	1200	1600
Noise level	dB(A)	81	66	81	69,5	82	69
Fuel tank capacity	l	230	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	14,2 / 10,4		18,5 / 13,6		24,6 / 18,4	
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 40)	ORDER NUMBER					
Oil preheating / Coolant heater	715076	715076	715078	715078	715070	715070
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



MADE IN GERMANY

130 - 200 kVA ENGINES DEUTZ

DEUTZ

RID 150 S-SERIES

RID 200 S-SERIES S



TECHNICAL DATA:

MODEL		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		289	
Voltage	V	230 / 400		230 / 400		230 / 400	
Frequency	Hz	50		50		50	
Dimensions (L x W x H)	mm	2250x1124x1557	2800x1230x1828	2600x1200x1880	3350x1430x2114	2600x1200x1880	3350x1430x2114
Weight	kg	1450	1970	1615	2300	2026	2500
Noise level	dB(A)	82	71,4	83	72,6	83	69
Fuel tank capacity	l	400		700		700	
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	29,4 / 21,3		36,5 / 27,4		46,5 / 34,2	
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 40)	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



250 - 300 kVA ENGINES DEUTZ

RID 300 S-SERIES



RID 300 S-SERIES S



TECHNICAL DATA:

MODEL		RID 250 S-SERIES	RID 250 S-SERIES S	RID 300 S-SERIES	RID 300 S-SERIES S
Version		open skid	silent	open skid	silent
Order number Generator		713371	713372	713379	713380
Order number Generator with ATS		-	-	-	-
Order number Generator external ATS		728317	728317	728318	728318
Nom. output P.R.P. (cos = 0,8)	kVA/kW	250 / 200		300 / 240	
Nom. total current (cos = 0,8)	A	361		433	
Voltage	V	230 / 400		230 / 400	
Frequency	Hz	50		50	
Dimensions (L x W x H)	mm	2600x1200x1880	3350x1430x2114	2850x1700x2170	3351x1740x2411
Weight	kg	2080	2700	3340	3900
Noise level	dB(A)	83	70	83	70
Fuel tank capacity	l	700	750	1000	
Engine	Deutz	TCD2013L6 4V		BF6M1015C G1	
Speed range	rpm	1500		1500	
Speed governor		electrical		electrical	
Fuel		diesel		diesel	
Cooling system		water + air		water + air	
Displacement	l	7,1		11,9	
Engine output	kW	227		285	
Starter	V	24		24	
Oil type (recommended)		RID-Deutz 10W40		RID-Deutz 10W40	
Engine oil volume	l	24		34	
Fuel consumption load 100/75%	l / h	54,4 / 43,4		70 / 51,7	
Generator		synchronous		synchronous	
Isolation type		H		H	
Protection class		IP 23		IP 23	
Advantage		maintenance interval - 500 operating hour			

OPTIONS (description - page 40)	ORDER NUMBER			
Coolant heater	715074	715074	715079	715079
Fuel filter / water separator	752022	752022	752023	752023
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



MADE IN GERMANY

350 - 400 kVA ENGINES DEUTZ

DEUTZ

RID 350 S-SERIES S



RID 400 S-SERIES S



TECHNICAL DATA:

MODEL		RID 350 S-SERIES	RID 350 S-SERIES S	RID 400 S-SERIES	RID 400 S-SERIES S
Version		open skid	silent	open skid	silent
Order number Generator		713387	713388	713395	713396
Order number Generator with ATS		-	-	-	-
Order number Generator external ATS		728318	728318	728318	728318
Nom. output P.R.P. (cos = 0,8)	kVA/kW	350 / 280		400 / 320	
Nom. total current (cos = 0,8)	A	505		578	
Voltage	V	230 / 400		230 / 400	
Frequency	Hz	50		50	
Dimensions (L x W x H)	mm	2850x1700x2210	3351x1740x2411	2800x1614x2224	4000x1940x2383
Weight	kg	3500	4200	4010	4650
Noise level	dB(A)	83	71	83	71
Fuel tank capacity	l	1000		1000	
Engine	Deutz	BF6M1015C G2		BF8M1015C G1	
Speed range	rpm	1500		1500	
Speed governor		electrical		electrical	
Fuel		diesel		diesel	
Cooling system		water + air		water + air	
Displacement	l	11,9		15,9	
Engine output	kW	338		380	
Starter	V	24		24	
Oil type (recommended)		RID-Deutz 10W40		RID-Deutz 10W40	
Engine oil volume	l	34		47	
Fuel consumption load 100/75%	l / h	78,1 / 57,4		93,7 / 69,3	
Generator		synchronous		synchronous	
Isolation type		H		H	
Protection class		IP 23		IP 23	
Advantage		maintenance interval - 500 operating hour			

OPTIONS (description - page 40)	ORDER NUMBER			
Coolant heater	715080	715080	715081	715081
Fuel filter / water separator	752024	752024	754006	754006
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



MADE IN GERMANY

450 - 500 kVA ENGINES DEUTZ

RID 500 S-SERIES



RID 500 S-SERIES S



TECHNICAL DATA:

MODEL		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
Order number Generator		713435	713436	713403	713404
Order number Generator with ATS		-	-	-	-
Order number Generator external ATS		728319	728319	728319	728319
Nom. output P.R.P. (cos = 0,8)	kVA/kW	450 / 360		500 / 400	
Nom. total current (cos = 0,8)	A	650		723	
Voltage	V	230 / 400		230 / 400	
Frequency	Hz	50		50	
Dimensions (L x W x H)	mm	2800x1614x2218	4000x1940x2383	2800x1614x2218	4000x1940x2383
Weight	kg	3870	4900	4300	5100
Noise level	dB(A)	83	70	83	70
Fuel tank capacity	l	1000		1000	
Engine	Deutz	BF8M1015C G2		BF8M1015CP G2	
Speed range	rpm	1500		1500	
Speed governor		electrical		electrical	
Fuel		diesel		diesel	
Cooling system		water + air		water + air	
Displacement	l	15,9		15,9	
Engine output	kW	413		448	
Starter	V	24		24	
Oil type (recommended)		RID-Deutz 10W40		RID-Deutz 10W40	
Engine oil volume	l	47		47	
Fuel consumption load 100/75%	l / h	102,9 / 75,3		118 / 84,9	
Generator		synchronous		synchronous	
Isolation type		H		H	
Protection class		IP 23		IP 23	
Advantage		maintenance interval - 500 operating hour			

OPTIONS (description - page 40)	ORDER NUMBER			
Coolant heater	715082	715082	715075	715075
Fuel filter / water separator	754006	754006	754006	754006
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 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		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	83	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	6,3		9,9		14,5	
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	2,2 / 1,8		3,1 / 2,4		4,4 / 3,4	
Generator		synchronous		synchronous		synchronous	
Isolation type		H		H		H	
Protection class		IP 23		IP 23		IP 23	

OPTIONS (description - page 40)	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



MADE IN GERMANY

20 - 30 kVA ENGINES MITSUBISHI

RID 20 E-SERIES S



RID 30 E-SERIES



mitsubishi

TECHNICAL DATA:

MODEL		RID 20 E-SERIES	RID 20 E-SERIES S	RID 30 E-SERIES	RID 30 E-SERIES S
Version		open skid	silent	open skid	silent
Order number Generator		713660	713662	713669	713671
Order number Generator with ATS		713661	713663	713670	713672
Order number Generator external ATS		728306	728306	728308	728308
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	1500x752x1150	1500x782x1246	1500x752x1204	1800x940x1310
Weight	kg	470	630	650	790
Noise level	dB(A)	80	62	81	63
Fuel tank capacity	l	150		150	230
Engine	Mitsubishi	S4Q2		S4S	
Speed range	rpm	1500		1500	
Speed governor		mechanical		mechanical	
Fuel		diesel		diesel	
Cooling system		water + air		water + air	
Displacement	l	2,5		3,3	
Engine output	kW	20,3		27,6	
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	

OPTIONS (description - page 40)	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



MADE IN GERMANY

40 - 60 kVA ENGINES MITSUBISHI

RID 40 E-SERIES S



RID 60 E-SERIES



TECHNICAL DATA:

MODEL		RID 40 E-SERIES	RID 40 E-SERIES S	RID 60 E-SERIES	RID 60 E-SERIES S
Version		open skid	silent	open skid	silent
Order number Generator		713679	713681	713616	713618
Order number Generator with ATS		713680	713682	713617	713619
Order number Generator external ATS		728311	728311	728313	728313
Nom. output P.R.P. (cos = 0,8)	kVA/kW	40 / 32		60 / 48	
Nom. total current (cos = 0,8)	A	58		87	
Voltage	V	230 / 400		230 / 400	
Frequency	Hz	50		50	
Dimensions (L x W x H)	mm	1500x752x1262	1800x940x1310	1800x940x1290	2320x1130x1685
Weight	kg	690	900	930	1320
Noise level	dB(A)	82	63	82	67
Fuel tank capacity	l	150	230	230	350
Engine	Mitsubishi	S4S-DT		S6S-DT	
Speed range	rpm	1500		1500	
Speed governor		mechanical		mechanical	
Fuel		diesel		diesel	
Cooling system		water + air		water + air	
Displacement	l	3,3		5,0	
Engine output	kW	37,5		54,1	
Starter	V	12		12	
Oil type (recommended)		RID 15W40		RID 15W40	
Engine oil volume	l	10		13,5	
Fuel consumption load 100/75%	l / h	9,7 / 7,5		14,2 / 11,1	
Generator		synchronous		synchronous	
Isolation type		H		H	
Protection class		IP 23		IP 23	

OPTIONS (description - page 40)	ORDER NUMBER			
Coolant heater	715028	715028	715029	715029
Fuel filter / water separator	754008	754008	754014	754014
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



MADE IN GERMANY

750 - 800 kVA ENGINES MITSUBISHI

RID 750 E-SERIES S



RID 800 E-SERIES S



MITSUBISHI

TECHNICAL DATA:

MODEL	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
Order number Generator	713170	713171	713172	713173
Order number Generator with ATS	-	-	-	-
Order number Generator external ATS	728321	728321	728321	728321
Nom. output P.R.P. (cos = 0,8)	kVA/kW	750 / 600	800 / 640	
Nom. total current (cos = 0,8)	A	1084	1156	
Voltage	V	230 / 400	230 / 400	
Frequency	Hz	50	50	
Dimensions (L x W x H)	mm	4100x1800x2100	5300x2450x2700	4200x1800x2100
Weight	kg	6500	9400	7400
Noise level	dB(A)	81	71	102
Fuel tank capacity	l	1265	1265	
Engine	Mitsubishi	S6R2-PTAA	S12A2-PTA	
Speed range	rpm	1500	1500	
Speed governor		electrical	electrical	
Fuel		diesel	diesel	
Cooling system		water + air	water + air	
Displacement	l	29,96	33,93	
Engine output	kW	665	679	
Starter	V	24	24	
Oil type (recommended)		RID 15W40	RID 15W40	
Engine oil volume	l	100	120	
Fuel consumption load 100/75%	l / h	157,1 / 118,6	166,2 / 125,5	
Generator		synchronous	synchronous	
Isolation type		H	H	
Protection class		IP 23	IP 23	

OPTIONS (description - page 40)	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



MADE IN GERMANY

900 - 1000 kVA ENGINES MITSUBISHI

RID 900 E-SERIES S

RID 1000 E-SERIES S



TECHNICAL DATA:

MODEL		RID 900 E-SERIES	RID 900 E-SERIES S	RID 1000 E-SERIES	RID 1000 E-SERIES S
Version		open skid	silent	open skid	silent
Order number Generator		713174	713175	713176	713177
Order number Generator with ATS		-	-	-	-
Order number Generator external ATS		728322	728322	728322	728322
Nom. output P.R.P. (cos = 0,8)	kVA/kW	900 / 720		1000 / 800	
Nom. total current (cos = 0,8)	A	1300		1445	
Voltage	V	230 / 400		230 / 400	
Frequency	Hz	50		50	
Dimensions (L x W x H)	mm	4300x2000x2200	5300x2450x2700	4500x2000x2400	6000x2700x2900
Weight	kg	7500	10200	9230	11900
Noise level	dB(A)	102	71	105	72
Fuel tank capacity	l	1265		1500	
Engine	Mitsubishi	S12A2-PTA2		S12H-PTA	
Speed range	rpm	1500		1500	
Speed governor		electrical		electrical	
Fuel		diesel		diesel	
Cooling system		water + air		water + air	
Displacement	l	33,93		37,11	
Engine output	kW	679		890	
Starter	V	24		24	
Oil type (recommended)		RID 15W40		RID 15W40	
Engine oil volume	l	120		200	
Fuel consumption load 100/75%	l / h	195,1 / 147,3		216,7 / 166,8	
Generator		synchronous		synchronous	
Isolation type		H		H	
Protection class		IP 23		IP 23	

OPTIONS (description - page 40)	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



MADE IN GERMANY

1300 - 1400 kVA ENGINES MITSUBISHI

RID 1300 E-SERIES S

RID 1400 E-SERIES S



MITSUBISHI

TECHNICAL DATA:

MODEL		RID 1300 E-SERIES	RID 1300 E-SERIES S	RID 1400 E-SERIES	RID 1400 E-SERIES S
Version		open skid	silent	open skid	silent
Order number Generator		713178	713179	713180	713181
Order number Generator with ATS		-	-	-	-
Order number Generator external ATS		728323	728323	728327	728327
Nom. output P.R.P. (cos = 0,8)	kVA/kW	1300 / 1040		1400 / 1120	
Nom. total current (cos = 0,8)	A	1878		2023	
Voltage	V	230 / 400		230 / 400	
Frequency	Hz	50		50	
Dimensions (L x W x H)	mm	4500x2100x2400	6100x2700x2900	4500x2100x2400	8000x2700x2900
Weight	kg	11000	12900	11200	13900
Noise level	dB(A)	105	72	105	72
Fuel tank capacity	l	1500		1500	
Engine	Mitsubishi	S12R-PTA		S12R-PTA2	
Speed range	rpm	1500		1500	
Speed governor		electrical		electrical	
Fuel		diesel		diesel	
Cooling system		water + air		water + air	
Displacement	l	49,03		49,03	
Engine output	kW	1110		1195	
Starter	V	24		24	
Oil type (recommended)		RID 15W40		RID 15W40	
Engine oil volume	l	180		180	
Fuel consumption load 100/75%	l / h	261,3 / 201,7		280,0 / 211,4	
Generator		synchronous		synchronous	
Isolation type		H		H	
Protection class		IP 23		IP 23	

OPTIONS (description - page 40)	ORDER NUMBER			
Coolant heater	715004	715004	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



MADE IN GERMANY

1500 - 2000 kVA ENGINES MITSUBISHI

RID 1500 E-SERIES S



RID 2000 E-SERIES S



TECHNICAL DATA:

MODEL		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
Order number Generator		713182	713183	713298	713299
Order number Generator with ATS		-	-	-	-
Order number Generator external ATS		728327	728327	728328	728328
Nom. output P.R.P. (cos = 0,8)	kVA/kW	1500 / 1200		2000 / 1600	
Nom. total current (cos = 0,8)	A	2167		2890	
Voltage	V	230 / 400		230 / 400	
Frequency	Hz	50		50	
Dimensions (L x W x H)	mm	5300x2100x2600	8000x2700x2900	6170x2200x2700	12192x2438x2591
Weight	kg	11900	14200	13900	19500
Noise level	dB(A)	105	72	105	62
Fuel tank capacity	l	1500		2000	
Engine	Mitsubishi	S12R-PTAA2		S16R-PTAA2	
Speed range	rpm	1500		1500	
Speed governor		electrical		electrical	
Fuel		diesel		diesel	
Cooling system		water + air		water + air	
Displacement	l	49,03		65,37	
Engine output	kW	1277		1895	
Starter	V	24		24	
Oil type (recommended)		RID 15W40		RID 15W40	
Engine oil volume	l	180		230	
Fuel consumption load 100/75%	l / h	308,9 / 231,7		402 / 307	
Generator		synchronous		synchronous	
Isolation type		H		H	
Protection class		IP 23		IP 23	

OPTIONS (description - page 40)	ORDER NUMBER			
Coolant heater	715004	715004	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

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



RID 130 B-SERIES S



TECHNICAL DATA:

MODEL		RID 130 B-SERIES	RID 130 B-SERIES S	RID 150 B-SERIES	RID 150 B-SERIES S	RID 200 B-SERIES	RID 200 B-SERIES S
Version		open skid	silent	open skid	silent	open skid	silent
Order number Generator		713701	713702	713744	713745	713708	713710
Order number Generator with ATS		713700	713703	-	-	-	-
Order number Generator external ATS		728316	728316	728316	728316	728317	728317
Nom. output P.R.P. (cos = 0,8)	kVA/kW	125 / 100		150 / 120		200 / 160	
Nom. total current (cos = 0,8)	A	188		217		289	
Voltage	V	230 / 400		230 / 400		230 / 400	
Frequency	Hz	50		50		50	
Dimensions (L x W x H)	mm	2250x1124x1638	2800x1230x1828	2600x1200x1940	3350x1430x2114	2600x1200x1940	3350x1430x2114
Weight	kg	1710	2110	1820	2190	2028	2500
Noise level	dB(A)	86	69	83	69	85	69
Fuel tank capacity	l	400		700		700	
Engine	Doosan	D1146T		DP086TA		P086TI	
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	8,07		8,07		8,07	
Engine output	kW	107		137		177	
Starter	V	24		24		24	
Oil type (recommended)		RID 15W40		RID 15W40		RID 15W40	
Engine oil volume	l	15,5		15,5		15,5	
Fuel consumption load 100/75%	l / h	25,9 / 19,5		33,7 / 25,5		35,4 / 26,5	
Generator		synchronous		synchronous		synchronous	
Isolation type		H		H		H	
Protection class		IP 23		IP 23		IP 23	

OPTIONS (description - page 40)	ORDER NUMBER					
Coolant heater	715104	715104	715112	715112	715105	715105
Fuel filter / water separator	754025	754025	754035	754035	754026	754026
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



MADE IN GERMANY

250 - 350 kVA ENGINES DOOSAN

RID 300 B-SERIES



RID 300 B-SERIES S



TECHNICAL DATA:

MODEL		RID 250 B-SERIES	RID 250 B-SERIES S	RID 300 B-SERIES	RID 300 B-SERIES S	RID 350 B-SERIES	RID 350 B-SERIES S
Version		open skid	silent	open skid	silent	open skid	silent
Order number Generator		713746	713747	713709	713714	713748	713749
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	361		433		505	
Voltage	V	230 / 400		230 / 400		230 / 400	
Frequency	Hz	50		50		50	
Dimensions (L x W x H)	mm	2600x1200x1940	3350x1430x2114	2850x1700x2047	3351x1740x2411	2850x1700x2210	3351x1740x2411
Weight	kg	2150	2995	2835	3510	3050	3700
Noise level	dB(A)	86	70	85	69	85	71
Fuel tank capacity	l	700	750	1000		1000	
Engine	Doosan	P126TI		P126TI-2		P158LE	
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		11		14,6	
Engine output	kW	241		265		327	
Starter	V	24		24		24	
Oil type (recommended)		RID 15W40		RID 15W40		RID 15W40	
Engine oil volume	l	23		23		21	
Fuel consumption load 100/75%	l / h	58,1 / 43,6		63,1 / 47		78,7 / 58,4	
Generator		synchronous		synchronous		synchronous	
Isolation type		H		H		H	
Protection class		IP 23		IP 23		IP 23	

OPTIONS (description - page 40)	ORDER NUMBER					
Coolant heater	715113	715113	715088	715088	715114	715114
Fuel filter / water separator	754036	754036	754027	754027	754037	754037
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



MADE IN GERMANY

400 - 500 kVA ENGINES DOOSAN

RID 500 B-SERIES



RID 500 B-SERIES S



TECHNICAL DATA:

MODEL		RID 400 B-SERIES	RID 400 B-SERIES S	RID 450 B-SERIES	RID 450 B-SERIES S	RID 500 B-SERIES	RID 500 B-SERIES S
Version		open skid	silent	open skid	silent	open skid	silent
Order number Generator		713711	713712	713713	713715	713716	713717
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		454 / 363		500 / 400	
Nom. total current (cos = 0,8)	A	578		650		723	
Voltage	V	230 / 400		230 / 400		230 / 400	
Frequency	Hz	50		50		50	
Dimensions (L x W x H)	mm	3050x1420x2168	4000x1940x2383	3050x1420x2168	4000x1940x2383	3050x1420x2168	4000x1940x2383
Weight	kg	3150	4370	3400	4550	3600	4900
Noise level	dB(A)	81	70,9	82	69	83	72
Fuel tank capacity	l	1000		1000		1000	
Engine	Doosan	P158LE		DP158LC		DP158LD	
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	14,6		14,6		14,6	
Engine output	kW	363		408		464	
Starter	V	24		24		24	
Oil type (recommended)		RID 15W40		RID 15W40		RID 15W40	
Engine oil volume	l	28		22		22	
Fuel consumption load 100/75%	l / h	89,3 / 65,1		99,6 / 72,9		115,1 / 83,4	
Generator		synchronous		synchronous		synchronous	
Isolation type		H		H		H	
Protection class		IP 23		IP 23		IP 23	

OPTIONS (description - page 40)	ORDER NUMBER					
Coolant heater	715106	715106	715107	715107	715008	715008
Fuel filter / water separator	754028	754028	754029	754029	754030	754030
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



MADE IN GERMANY

500 - 650 kVA ENGINES DOOSAN

RID 600 B-SERIES S



RID 650 B-SERIES



TECHNICAL DATA:

MODEL		RID 550 B-SERIES	RID 550 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		713750	713751	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	550 / 440		600 / 480		650 / 520	
Nom. total current (cos = 0,8)	A	795		867		939	
Voltage	V	230 / 400		230 / 400		230 / 400	
Frequency	Hz	50		50		50	
Dimensions (L x W x H)	mm	3050x1420x2168	4000x1940x2383	3050x1420x2260	4400x2140x2549	3050x1420x2260	4400x2140x2549
Weight	kg	3850	5300	4020	5600	4100	6000
Noise level	dB(A)	82	72	82	72	83	72
Fuel tank capacity	l	1000		1000		1000	
Engine	Doosan	DP180LA		DP180LB		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	18,3		18,3		21,9	
Engine output	kW	502		556		569	
Starter	V	24		24		24	
Oil type (recommended)		RID 15W40		RID 15W40		RID 15W40	
Engine oil volume	l	34		34		40	
Fuel consumption load 100/75%	l / h	123,6 / 94,2		136,4 / 103,8		148,5 / 109,8	
Generator		synchronous		synchronous		synchronous	
Isolation type		H		H		H	
Protection class		IP 23		IP 23		IP 23	

OPTIONS (description - page 40)	ORDER NUMBER					
Coolant heater	715115	715115	715109	715109	715110	715110
Fuel filter / water separator	754038	754038	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



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	1012		1156	
Voltage	V	230 / 400		230 / 400	
Frequency	Hz	50		50	
Dimensions (L x W x H)	mm	4100x1800x2100	4400x2140x2549	4200x1800x2100	5300x2450x2700
Weight	kg	6100	7400	7400	10100
Noise level	dB(A)	85	73	85	73
Fuel tank capacity	l	1000		1265	
Engine	Doosan	DP222LB		DP222LC	
Speed range	rpm	1500		1500	
Speed governor		electrical		electrical	
Fuel		diesel		diesel	
Cooling system		water + air		water + air	
Displacement	l	21,9		21,9	
Engine output	kW	604		657	
Starter	V	24		24	
Oil type (recommended)		RID 15W40		RID 15W40	
Engine oil volume	l	40		40	
Fuel consumption load 100/75%	l / h	147,1 / 109,2		161,0 / 119,1	
Generator		synchronous		synchronous	
Isolation type		H		H	
Protection class		IP 23		IP 23	

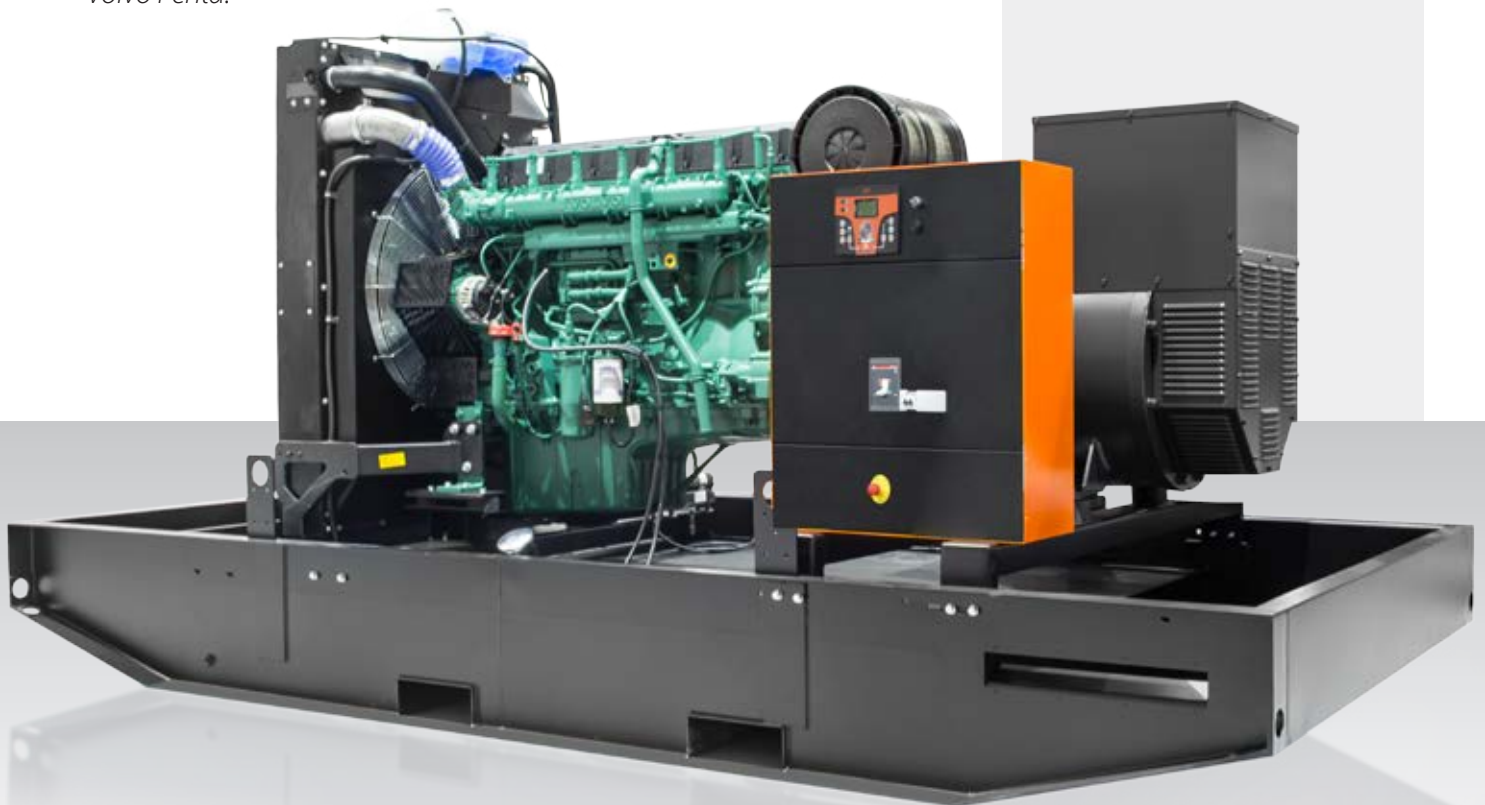
OPTIONS (description - page 40)	ORDER NUMBER			
Coolant heater	715095	715095	715095	715095
Fuel filter / water separator	754007	754007	754007	754007
External fuel tank 720/1000 l	718000 / 718010	718000 / 718010	718000 / 718010	718000 / 718010
Automatic refilling system 720/1000 l	on request	on request	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

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 80 V-SERIES S



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)	83	71	83	71	82	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 40)	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



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		289		361	
Voltage	V	230 / 400		230 / 400		230 / 400	
Frequency	Hz	50		50		50	
Dimensions (L x W x H)	mm	2600x1200x1880	3350x1430x2114	2600x1200x1880	3350x1430x2114	2600x1200x1880	3350x1430x2114
Weight	kg	1615	2190	2026	2416	2080	2895
Noise level	dB(A)	83	72	83	68	82	70
Fuel tank capacity	l	700	750	700	750	700	750
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 40)	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



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)	83	70	82	70	84	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 40)	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



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		723		867	
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)	84	70	83	71	84	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 40)	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

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 stick, 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		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	83	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 40)	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



MADE IN GERMANY

20 - 30 kVA ENGINES MITSUBISHI



TECHNICAL DATA:

MODEL		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 40)	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



MADE IN GERMANY

15 - 20 kVA ENGINES DEUTZ



TECHNICAL DATA:

MODEL		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	80	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	5,5 / 4,0		5,5 / 4,0	
Generator		synchronous		synchronous	
Isolation type		H		H	
Protection class		IP 23		IP 23	
Advantage		rust-resistant fuel tank			

OPTIONS (description - page 40)	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

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 transportation. The maximum reliability is guaranteed because even at a repair/maintenance will be power generated by the other genset.





MADE IN GERMANY

8 - 15 kVA ENGINES MITSUBISHI

RID 15 E-SERIES S TWIN POWER



TECHNICAL DATA:

MODEL		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	83	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 40)	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

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	1500x752x1150	1500x782x1246	1500x752x1150	1500x782x1246	1500x752x1150	1500x782x1246
Weight	kg	360	490	360	490	360	490
Noise level	dB(A)	80	62	81	62	83	62
Fuel tank capacity	l	150		150		150	
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 40)	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



MADE IN GERMANY

ADDITIONAL OPTIONS



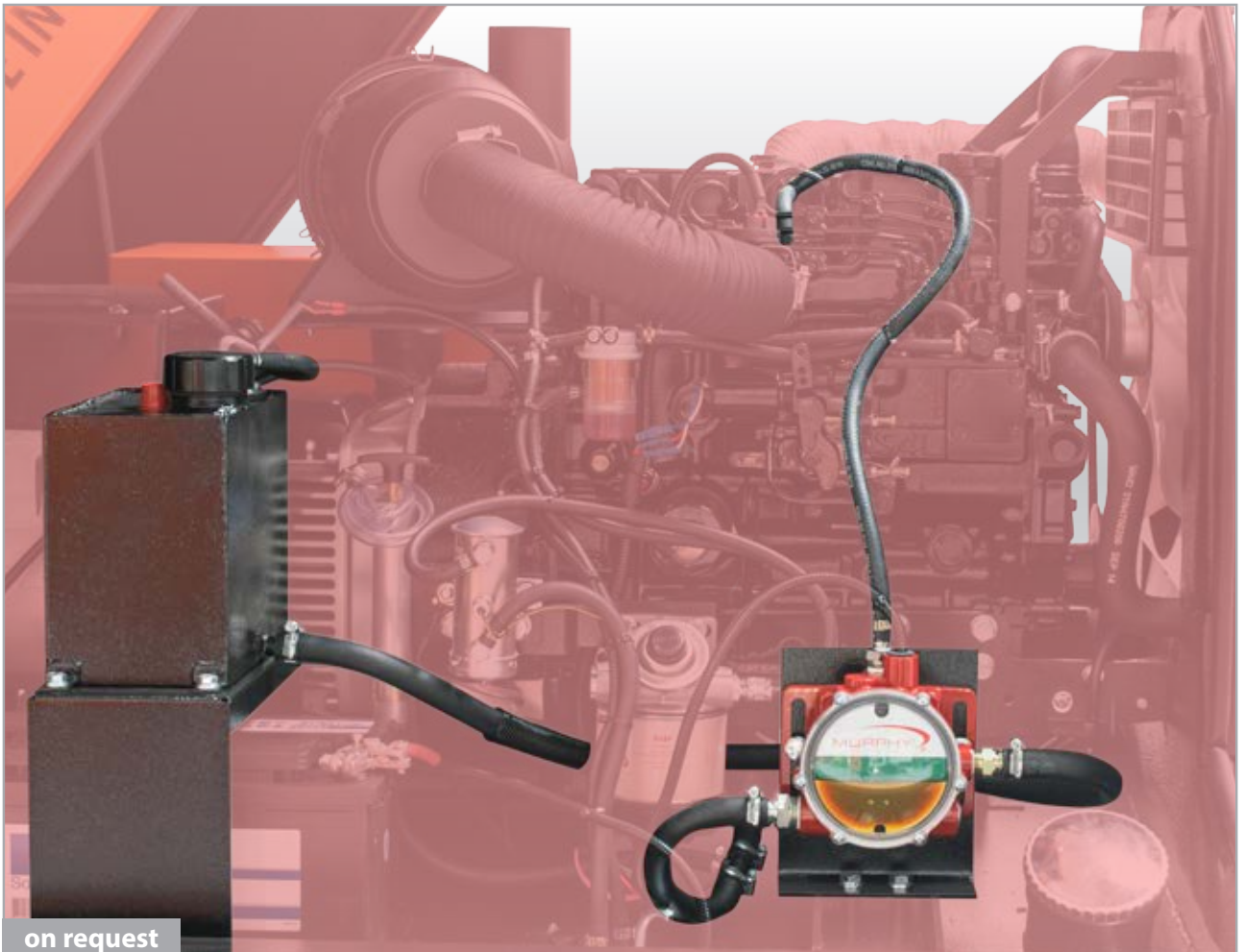
on request

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



MADE IN GERMANY

ADDITIONAL 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



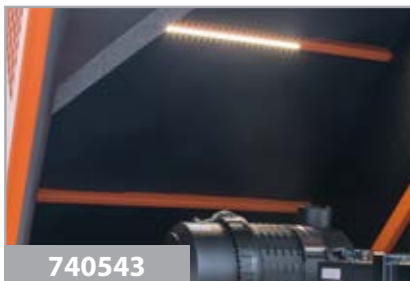
on request

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



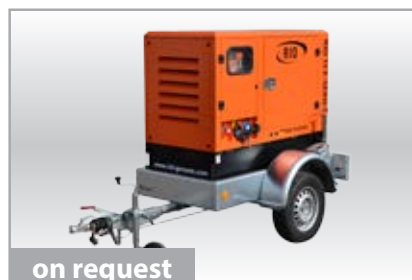
733212

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



on request

Ethernet modem



on request

Trailer



STROMERZEUGER-SYSTEME





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.