



MADE IN GERMANY

DIESEL GENERATOR SETS POWER RANGE 8 -1500 KVA

2015



POWER GENERATING SYSTEMS WITH INDIVIDUAL SOLUTIONS





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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 $\pm 10\%$, according to DIN 6280 T.10/ISO 8528 part 8. For appliances with compound transformer $\pm 8\%$ or with Voltage regulator $\pm 5\%$.

The advantages of power stations

Premium class:

- extended warranty of 2 years
- large aluminium 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 (8-1500 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.

GOST -R

Quality standards certification of Russian Federation.

Identification Mark

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

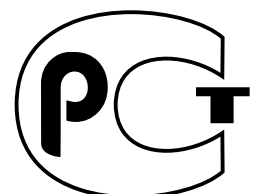
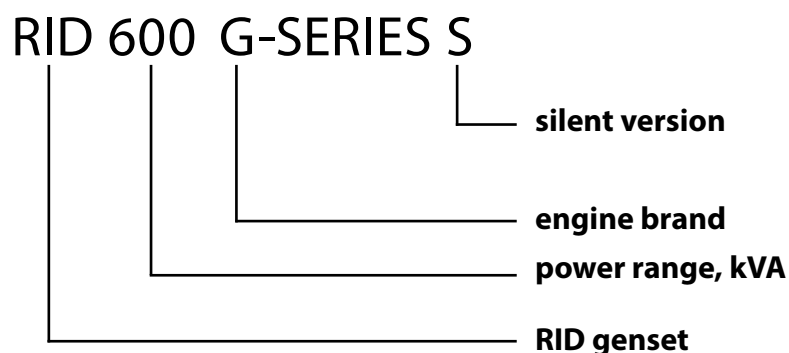
dB(A)

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

DEUTZ
PREMIUM

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		-	-	-	-	-	-
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	1459x755x1257	1706x785x1199	1595x866x1125	1854x912x1285	1595x866x1197	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 5W40 / 10W40		RID-Deutz 5W40 / 10W40		RID-Deutz 5W40 / 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 39)	ORDER NUMBER					
Fuel heater	753002	753002	753002	753002	753002	753002
Oil preheating	715076	715076	715076	715076	715076	715076
Fuel filter / water separator	715000	715000	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	729019	729019	729019	729019	729019	729019



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		-	-	-	-
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	2325x1020x1627	1925x1000x1516	2325x1020x1627
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 5W40 / 10W40		RID-Deutz 5W40 / 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 39)	ORDER NUMBER			
Fuel heater	753002	753002	753002	753002
Oil preheating	715076	715076	715008	715008
Fuel filter / water separator	715000	715000	715000	715000
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	729019	729019	729019	729019



MADE IN GERMANY

100 - 130 kVA ENGINES DEUTZ

DEUTZ
PREMIUM

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		-	-	-	-
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	2720x1130x1708	2320x1110x1640	2720x1130x1708
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 5W40 / 10W40		RID-Deutz 5W40 / 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 39)	ORDER NUMBER			
Fuel heater	753002	753002	753002	753002
Oil preheating	715008	715008	715008	715008
Fuel filter / water separator	715000	715000	715000	715000
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	729019	729019	729019	729019



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		-	-	-	-	-	-
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	1500x752x1180	1500x782x1246	1500x752x1180	1950x940x1382	1500x752x1185	1950x940x1382
Weight	kg	550	700	720	840	761	968
Noise level	dB(A)	88,5	62	88	63	89	63
Fuel tank capacity	l	150		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 5W40 / 10W40		RID-Deutz 5W40 / 10W40		RID-Deutz 5W40 / 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 39)	ORDER NUMBER					
Oil preheating	715076	715076	715076	715076	715076	715076
Fuel filter / water separator	715000	715000	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	729019	729019	729019	729019	729019	729019



MADE IN GERMANY

60 - 100 kVA ENGINES DEUTZ

DEUTZ
STANDARD

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		-	-	-	-	-	-
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	1950x910x1223	1950x940x1382	1950x910x1430	2800x1230x1830	2250x1124x1557	2800x1230x1828
Weight	kg	930	1320	930	1320	1200	1600
Noise level	dB(A)	93	67	95,5	71	97	71
Fuel tank capacity	l	230		400		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 5W40 / 10W40		RID-Deutz 5W40 / 10W40		RID-Deutz 5W40 / 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 39)	ORDER NUMBER					
Oil preheating / Coolant heater	715076	715076	715008	715008	715008	715008
Fuel filter / water separator	715000	715000	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	729019	729019	729019	729019	729019	729019



100 - 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	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	2600x1200x1723	2611x1200x1895	2600x1200x1798	2611x1200x1895
Weight	kg	1450	1970	1615	2190	2026	2416
Noise level	dB(A)	101	72	94,8	72	94,8	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 5W40 / 10W40		RID-Deutz 5W40 / 10W40		RID-Deutz 5W40 / 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 39)	ORDER NUMBER					
Coolant heater	715008	715008	715008	715008	715004	715004
Fuel filter / water separator	715000	715000	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	729019	729019	729019	729019	729019	729019



MADE IN GERMANY

250 - 350 kVA ENGINES DEUTZ

DEUTZ
STANDARD

RID 250 S-SERIES



RID 350 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	2600x1200x1798	2611x1200x1895	2850x1700x2170	3351x1700x2411	2850x1700x2210	3351x1700x2411
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		BF4M1013EC	
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 5W40 / 10W40		RID-Deutz 5W40 / 10W40		RID-Deutz 5W40 / 10W40	
Engine oil volume	l	24		34		34	
Fuel consumption load 100/75%	l / h	57,5 / 43,2		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 39)	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	729019	729019	729019	729019	729019	729019

**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	430 / 344		450 / 360		500 / 400	
Nom. total current (cos = 0,8)	A	621		650		728	
Voltage	V	230 / 400		230 / 400		230 / 400	
Frequency	Hz	50		50		50	
Dimensions (L x W x H)	mm	2800x1614x2224	4000x1900x2383	2800x1614x2218	4000x1900x2383	2800x1614x2218	4000x1900x2383
Weight	kg	4010	4230	4200	4480	4300	4600
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 5W40 / 10W40		RID-Deutz 5W40 / 10W40		RID-Deutz 5W40 / 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 39)	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	729019	729019	729019	729019	729019	729019

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		-	-	-	-	-	-
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	1459x755x1130	1706x785x1230	1459x755x1130	1706x785x1230	1459x755x1130	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 10W40		RID 15W40 / RID 10W40		RID 15W40 / RID 10W40	
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 39)	ORDER NUMBER					
Coolant heater	715008	715008	715008	715008	715008	715008
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	729019	729019	729019	729019	729019	729019



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		-	-	-	-	-	-
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	1459x755x1130	1706x785x1230	1854x866x1184	1854x912x1285	1595x866x1240	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 10W40		RID 15W40 / RID 10W40		RID 15W40 / RID 10W40	
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 39)	ORDER NUMBER					
Coolant heater	715008	715008	715008	715008	715008	715008
Fuel filter / water separator	715000	715000	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	729019	729019	729019	729019	729019	729019



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		713655	713656	713665	713666	713675	713676
Order number Generator with ATS		713657	713658	713667	713668	713677	713678
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	1500x752x1150	1500x782x1246	1500x752x1150	1500x782x1246	1500x752x1150	1500x782x1246
Weight	kg	360	490	390	550	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 10W40		RID 15W40 / RID 10W40		RID 15W40 / RID 10W40	
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 39)	ORDER NUMBER					
Coolant heater	715008	715008	715008	715008	715008	715008
Fuel filter / water separator	715003	715003	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	729019	729019	729019	729019	729019	729019



MADE IN GERMANY

20 - 30 kVA ENGINES MITSUBISHI

RID 30 E-SERIES



RID 20 E-SERIES S



TECHNICAL DATA:

MODEL (STANDARD)		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		-	-	-	-
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	1500x752x1180	1500x782x1246	1500x752x1204	1950x940x1382
Weight	kg	470	630	650	790
Noise level	dB(A)	88,5	62	86,5	63
Fuel tank capacity	l	150		150	
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 10W40		RID 15W40 / RID 10W40	
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 39)	ORDER NUMBER			
Coolant heater	715008	715008	715008	715008
Fuel filter / water separator	715000	715000	715000	715000
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	729019	729019	729019	729019



MADE IN GERMANY

40 - 750 kVA ENGINES MITSUBISHI

RID 60 E-SERIES



RID 750 E-SERIES S



TECHNICAL DATA:

MODEL (STANDARD)		RID 40 E-SERIES	RID 40 E-SERIES S	RID 60 E-SERIES	RID 60 E-SERIES S	RID 750 E-SERIES	RID 750 E-SERIES S
Version		open skid	silent	open skid	silent	open skid	silent
Order number Generator		713679	713681	713616	713618	713170	713171
Order number Generator with ATS		713680	713682	713617	713719	-	-
Order number Generator external ATS		-	-	-	-	728321	728321
Nom. output P.R.P. (cos = 0,8)	kVA/kW	40 / 32		60 / 48		750 / 600	
Nom. total current (cos = 0,8)	A	58		87		1080	
Voltage	V	230 / 400		230 / 400		230 / 400	
Frequency	Hz	50		50		50	
Dimensions (L x W x H)	mm	1500x752x1262	1950x940x1382	1950x910x1340	1950x940x1382	4000x1900x2295	4400x2100x2549
Weight	kg	690	900	930	1320	4000	5200
Noise level	dB(A)	89	63	93	67	102	71
Fuel tank capacity	l	150	230	230		1000	
Engine	Mitsubishi	S4S-DT		S6S-DT		S6R2-PTAA	
Speed range	rpm	1500		1500		1500	
Speed governor		mechanical		mechanical		electrical	
Fuel		diesel		diesel		diesel	
Cooling system		water + air		water + air		water + air	
Displacement	l	3,3		5,0		29,96	
Engine output	kW	37,5		53,3		645	
Starter	V	12		12		24	
Oil type (recommended)		RID 15W40 / RID 10W40		RID 15W40 / RID 10W40		RID 15W40 / RID 10W40	
Engine oil volume	l	10		13,5		100	
Fuel consumption load 100/75%	l / h	11,2 / 8,2		13,3 / 10,4		- / -	
Generator		synchronous		synchronous		synchronous	
Isolation type		H		H		H	
Protection class		IP 23		IP 23		IP 23	

OPTIONS (description - page 39)	ORDER NUMBER					
Coolant heater	715008	715008	715008	715008	715008	715008
Fuel filter / water separator	715000	715000	715000	715000	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	729019	729019	729019	729019	729019	729019



MADE IN GERMANY

800 - 1000 kVA ENGINES MITSUBISHI

RID 800 E-SERIES S



RID 1000 E-SERIES S



MITSUBISHI
STANDARD

TECHNICAL DATA:

MODEL (STANDARD)		RID 800 E-SERIES	RID 800 E-SERIES S	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	open skid	silent
Order number Generator		713172	713173	713174	713175	713176	713177
Order number Generator with ATS		-	-	-	-	-	-
Order number Generator external ATS		728321	728321	728322	728322	728322	728322
Nom. output P.R.P. (cos = 0,8)	kVA/kW	800 / 640		900 / 720		1000 / 800	
Nom. total current (cos = 0,8)	A	1150		1300		1440	
Voltage	V	230 / 400		230 / 400		230 / 400	
Frequency	Hz	50		50		50	
Dimensions (L x W x H)	mm	4000x1900x2295	4400x2100x2549	4000x1900x2295	4400x2100x2549	5000x2000x2400	6900x2400x2600
Weight	kg	4000	5200	4000	5200	6500	7900
Noise level	dB(A)	102	71	102	71	105	71
Fuel tank capacity	l	1000		1500		1500	
Engine	Mitsubishi	S12A2-PTA		S12A2-PTA2		S12H-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		33,93		37,11	
Engine output	kW	656		679		890	
Starter	V	24		24		24	
Oil type (recommended)		RID 15W40 / RID 10W40		RID 15W40 / RID 10W40		RID 15W40 / RID 10W40	
Engine oil volume	l	120		120		200	
Fuel consumption load 100/75%	l / h	- / -		- / -		- / -	
Generator		synchronous		synchronous		synchronous	
Isolation type		H		H		H	
Protection class		IP 23		IP 23		IP 23	

OPTIONS (description - page 39)	ORDER NUMBER					
Coolant heater	715008	715008	715008	715008	715008	715008
Fuel filter / water separator	715000	715000	715000	715000	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	729019	729019	729019	729019	729019	729019



MADE IN GERMANY

1300 - 1500 kVA ENGINES MITSUBISHI

RID 1300 E-SERIES S



RID 1500 E-SERIES S



TECHNICAL DATA:

MODEL (STANDARD)		RID 1300 E-SERIES	RID 1300 E-SERIES S	RID 1400 E-SERIES	RID 1400 E-SERIES S	RID 1500 E-SERIES	RID 1500 E-SERIES S
Version		open skid	silent	open skid	silent	open skid	silent
Order number Generator		713178	713179	713180	713181	713182	713183
Order number Generator with ATS		-	-	-	-	-	-
Order number Generator external ATS		728323	728323	728327	728327	728327	728327
Nom. output P.R.P. (cos = 0,8)	kVA/kW	1300 / 1040		1400 / 1120		1500 / 1200	
Nom. total current (cos = 0,8)	A	1875		2020		2165	
Voltage	V	230 / 400		230 / 400		230 / 400	
Frequency	Hz	50		50		50	
Dimensions (L x W x H)	mm	6000x2200x2500	8000x2400x2500	6000x2200x2500	8000x2400x2500	6000x2200x2500	8000x2400x2500
Weight	kg	-	-	-	-	-	-
Noise level	dB(A)	105	62	105	62	105	63
Fuel tank capacity	l	1500		1500		1500	
Engine	Mitsubishi	S12R-PTA		S12R-PTA2		S12R-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		49,03	
Engine output	kW	1110		1195		1277	
Starter	V	24		24		24	
Oil type (recommended)		RID 15W40 / RID 10W40		RID 15W40 / RID 10W40		RID 15W40 / RID 10W40	
Engine oil volume	l	180		180		180	
Fuel consumption load 100/75%	l / h	- / -		- / -		- / -	
Generator		synchronous		synchronous		synchronous	
Isolation type		H		H		H	
Protection class		IP 23		IP 23		IP 23	

OPTIONS (description - page 39)	ORDER NUMBER					
Coolant heater	715008	715008	715008	715008	715008	715008
Fuel filter / water separator	715003	715003	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	729019	729019	729019	729019	729019	729019

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.

DOOSAN ENGINES





MADE IN GERMANY

130 - 200 kVA ENGINES DOOSAN

RID 130 B-SERIES S



RID 200 B-SERIES S



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		713660	713662	713669	713671
Order number Generator with ATS		713661	713663	713670	713672
Order number Generator external ATS		-	-	-	-
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	2600x1200x1855	2600x1200x1893
Weight	kg	1710	2110	2028	2700
Noise level	dB(A)	86	69	88	69
Fuel tank capacity	l	400		500	
Engine	Doosan	D1146T		P086T1	
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 10W40		RID 15W40 / RID 10W40	
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 39)	ORDER NUMBER			
Coolant heater	715008	715008	715004	715004
Fuel filter / water separator	715000	715000	715001	715001
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	729019	729019	729019	729019



MADE IN GERMANY

300 - 450 kVA ENGINES DOOSAN

RID 300 B-SERIES



RID 450 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	3351x1700x2411	4000x1900x2224	4000x1900x2383	4000x1900x2218	4000x1900x2383
Weight	kg	2490	3110	3120	3920	3260	4300
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 10W40		RID 15W40 / RID 10W40		RID 15W40 / RID 10W40	
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 39)	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	729019	729019	729019	729019	729019	729019



MADE IN GERMANY

500 - 650 kVA ENGINES DOOSAN

RID 500 B-SERIES S



RID 650 B-SERIES S



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	4000x2148x2383	4000x1900x2295	4400x2100x2549	4000x1900x2295	4400x2100x2549
Weight	kg	3530	4500	4270	5110	4570	5410
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 10W40		RID 15W40 / RID 10W40		RID 15W40 / RID 10W40	
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 39)	ORDER NUMBER					
Coolant heater	715004	715004	715004	715004	715004	715004
Fuel filter / water separator	715001	715001	715009	715009	715009	715009
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	729019	729019	729019	729019	729019	729019



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	4800x2000x2300	6000x2200x2500	4800x2000x2300	6000x2200x2500
Weight	kg	5500	6400	5800	6650
Noise level	dB(A)	102	79	103	79
Fuel tank capacity	l	1500		1500	
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 10W40		RID 15W40 / RID 10W40	
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 39)	ORDER NUMBER			
Coolant heater	715004	715004	715004	715004
Fuel filter / water separator	715009	715009	715009	715009
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	729019	729019	729019	729019

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 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		554		577	
Voltage	V	230 / 400		230 / 400		230 / 400	
Frequency	Hz	50		50		50	
Dimensions (L x W x H)	mm	3351x1600x2080	3351x1700x2332	3351x1600x2210	3351x1700x2332	3351x1600x2210	3351x1700x2332
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 15W40 / RID 10W40		RID 15W40 / RID 10W40		RID 15W40 / 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 39)	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	729019	729019	729019	729019	729019	729019

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		597 / 477,6	
Nom. total current (cos = 0,8)	A	660		721		861	
Voltage	V	230 / 400		230 / 400		230 / 400	
Frequency	Hz	50		50		50	
Dimensions (L x W x H)	mm	2800x1614x2218	4000x1900x2383	2800x1614x2218	4000x1900x2383	4000x1900x2295	4400x2100x2549
Weight	kg	4767	5607	4767	5607	2011	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 15W40 / RID 10W40		RID 15W40 / RID 10W40		RID 15W40 / 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 39)	ORDER NUMBER					
Coolant heater	715004	715004	715004	715004	715004	715004
Fuel filter / water separator	715001	715001	715001	715001	715009	715009
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	729019	729019	729019	729019	729019	729019

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	3790x1800x2340	4400x1900x2615	4335x1800x2470	5100x1900x2780	4800x2000x2300	6000x2200x2500
Weight	kg	5281	6121	6350	754	7400	9350
Noise level	dB(A)	94	68	90	72	86	72
Fuel tank capacity	l	1000		1500		1500	
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 15W40 / RID 10W40		RID 15W40 / RID 10W40		RID 15W40 / 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 39)	ORDER NUMBER					
Coolant heater	715004	715004	715004	715004	715004	715004
Fuel filter / water separator	715009	715009	715009	715009	715009	715009
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	729019	729019	729019	729019	729019	729019



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	6900x2400x2600	5000x2000x2400	6900x2400x2600
Weight	kg	6500	7900	6700	8100
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 15W40 / RID 10W40		RID 15W40 / 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 39)	ORDER NUMBER			
Coolant heater	715004	715004	715004	715004
Fuel filter / water separator	715009	715009	715009	715009
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	729019	729019	729019	729019

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		-	-	-	-	-	-
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	1925x1000x1516	2325x1020x1627	2250x1124x1653	2800x1230x1827	2250x1124x1653	2800x1230x1827
Weight	kg	930	1320	1200	1600	1450	1970
Noise level	dB(A)	95,5	71	97	71	101	97
Fuel tank capacity	l	400		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 15W40 / RID 10W40		RID 15W40 / RID 10W40		RID 15W40 / RID 10W40	
Engine oil volume	l	13		13		1373	
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 39)	ORDER NUMBER					
Coolant heater	715076	715076	715076	715076	715076	715076
Fuel filter / water separator	715000	715000	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	729019	729019	729019	729019	729019	729019



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	2600x1200x1723	2611x1200x1895	2600x1200x1798	2611x1200x1895	2600x1200x1798	2611x1200x1895
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 15W40 / RID 10W40		RID 15W40 / RID 10W40		RID 15W40 / 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 39)	ORDER NUMBER					
Coolant heater	715076	715076	715076	715076	715076	715076
Fuel filter / water separator	715000	715000	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	729019	729019	729019	729019	729019	729019



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		430 / 344	
Nom. total current (cos = 0,8)	A	433		505		621	
Voltage	V	230 / 400		230 / 400		230 / 400	
Frequency	Hz	50		50		50	
Dimensions (L x W x H)	mm	2850x1700x2170	3351x1700x2411	2850x1700x2210	3351x1700x2411	2800x1614x2224	4000x1900x2383
Weight	kg	3340	3750	3340	3750	3340	3750
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 15W40 / RID 10W40		RID 15W40 / RID 10W40		RID 15W40 / 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 39)	ORDER NUMBER					
Coolant heater	715076	715076	715076	715076	715076	715076
Fuel filter / water separator	715000	715000	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	729019	729019	729019	729019	729019	729019



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	4000x1900x2383	2800x1614x2218	4000x1900x2383	4000x1900x2295	4400x2100x2549
Weight	kg	3340	3750	3625	4600	4000	5200
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 15W40 / RID 10W40		RID 15W40 / RID 10W40		RID 15W40 / RID 10W40	
Engine oil volume	l	48		42		48	
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 39)	ORDER NUMBER					
Coolant heater	715076	715076	715076	715076	715076	715076
Fuel filter / water separator	715000	715000	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	729019	729019	729019	729019	729019	729019

NEW TELECOM GENSET

NEW CANOPY DESIGN 2015:

- ❑ Anti vandal design
- ❑ Low noise design
- ❑ Low dimension design
- ❑ Fuel tank up to 1000 liters on board
- ❑ Easy maintenance access
- ❑ Disassemble able
- ❑ High accuracy fuel control (1%)
- ❑ Canopy open alarm
- ❑ Fuel inlet open alarm
- ❑ Full remote implemented

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
- ❑ No switch box access from outside, only with open canopy
- ❑ 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		713101	713103	713185	713187	713193	713195
Order number Generator with ATS		713102	713104	713186	713188	713194	713100
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 10W40		RID 15W40 / RID 10W40		RID 15W40 / RID 10W40	
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 39)	ORDER NUMBER					
Coolant heater	715008	715008	715008	715008	715008	715008
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	729019	729019	729019	729019	729019	729019

48 V DC GENERATOR

The innovative generating set 48 VDC 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 VDC is a very advanced unit that, compared with standard solution (standard generating set + rectifier AC/DC + battery set) actually used in a lot 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 DC - 15 / 48 DC ENGINES MITSUBISHI

RID 8 / 48 DC



RID 15 / 48 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	
Frequency	Hz	50		50		50	
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 10W40		RID 15W40 / RID 10W40		RID 15W40 / RID 10W40	
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 39)	ORDER NUMBER					
Coolant heater	715008	715008	715008	715008	715008	715008
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	729019	729019	729019	729019	729019	729019



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 be shut down. Once the steady electricity network is back, the controller opens the genset contactor and transfer the load to the network side. The generator is switched off automatically, after the programmable cooling time is over.



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.

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



MADE IN GERMANY

ADDITIONAL OPTIONS



on request

RID 1000 A
Automatic Transfer Switch RID 1000 A
for GSM/GPRS/Ethernet control and monitoring



729323

ASC 48 Controller of External Batteries



729024

ASC48-AM Controller ASC 48 Display



on request

Fuel Filter with Water Separator



753002

Coolant Heater (Oil)
for DEUTZ engines 2011 (gensets < 60 kVA)



715004

Coolant Heater
with circulatory pump –for gensets > 310 kVA



729300

RS232 – GSM Modem



715051

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



on request

Large starting battery
for easy start XXXXX low temperature



on request

Automatic refilling system



718000 / 718101

External Fuel Tanks (720/1000 L)



on request

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



on request

Large fuel tank



on request

Lifting eyelets



on request

Trailer



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Our official dealer:



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

RID 600 V-SERIES