



POWER GENERATORS

Product Catalog

EES Energie Erzeugung-Systeme GmbH is a specialist in the power generator industry. We provide mobile and stationary power generators throughout Europe, for both industrial and household use.

Quality is the focus of our trade, and that creates a satisfied client. As a supplier of high-quality power generators to different customers with specific requirements, our experience has enabled us to provide the benchmark of standards and quality of the industry.

An expert team works rigorously on improving our systems and products.

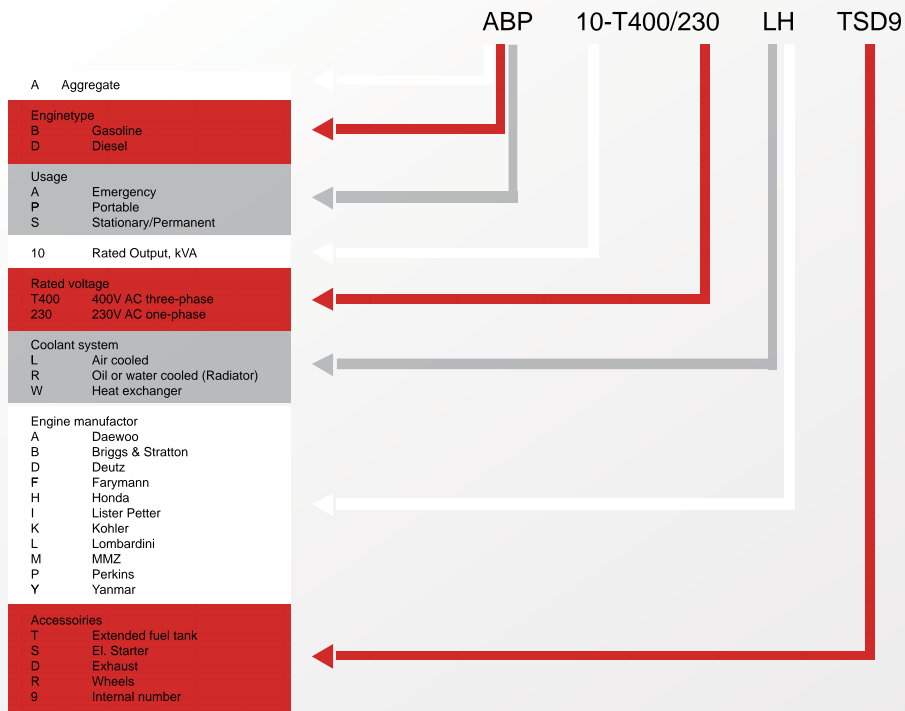
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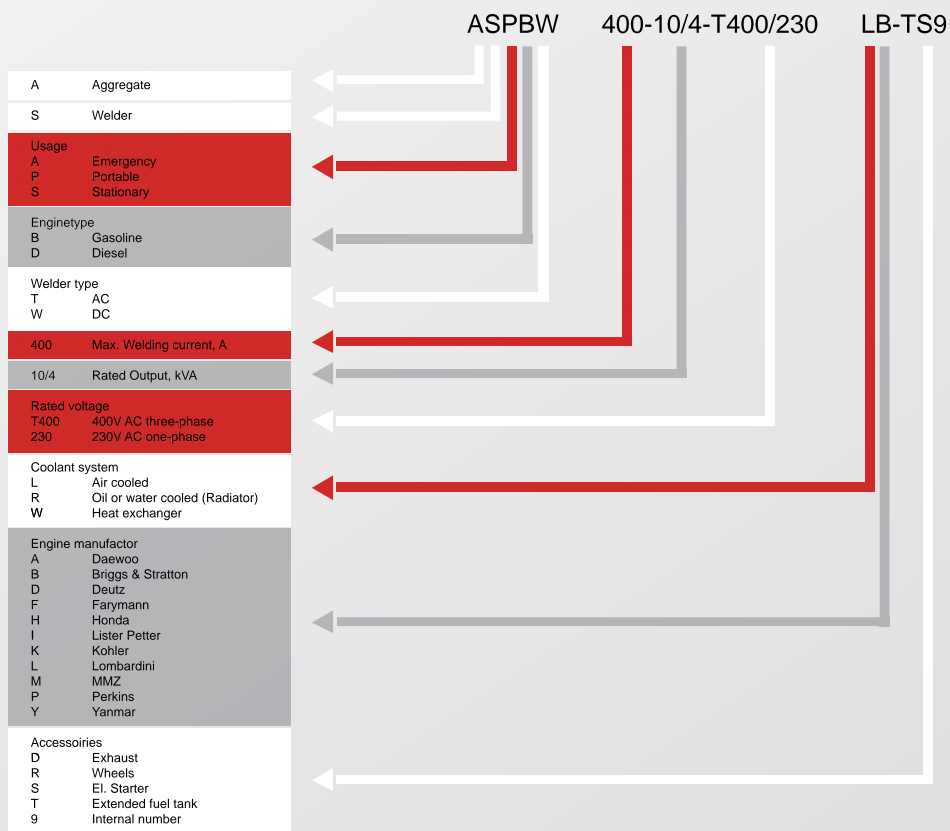
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Generators



Welder Generators



Portable generators have a classic set-up based on the internationally renowned gasoline engines from Honda (Japan), Briggs & Stratton (USA), Robin-Subaru (Japan), Kohler (USA) and diesel engines from Lombardini (Italy), Yanmar (Japan) and synchronous, self-regulating and maintenance-free alternators. The alternators are equipped with overload protection according to European standards, oil pressure sensor and a sturdy frame with vibration isolators for low noise level. Our generators are light weight, user friendly with a long life (up to 5000 hours). They can be used in a temperature range of -35°C to +45°C. Their modern design and easy maintenance makes them indispensable for many applications.



Gasoline Engine ABP Series

The ABP series are cost efficient portable generators, with a classic set-up based on the internationally renowned gasoline engines, synchronous self-regulating and maintenance-free alternators.



Model	Max. Output, kVA	Rated Output, kVA	Rated Current, A	Rated Voltage, V	Engine	Operating time, h	Sound Level, dB	Weight, kg	Dimensions LxBxH, mm
ABP 2,2-230 LB-TS9	2,2	2	8,7	230 (AC)	B&S Vanguard	17,8	74	40	650x410x560
ABP 2,2-230 LH9	2,2	2	8,7	230 (AC)	Honda GX160	2,7	72	37	560x460x400
ABP 2,2-230 LH-T9	2,2	2	8,7	230 (AC)	Honda GX160	8,8	72	39	650x410x560
ABP 2,7-230 LH9	2,7	2,5	10,9	230 (AC)	Honda GX200	2,4	72	40	580x460x400
ABP 2,7-230 LH-T9	2,7	2,5	10,9	230 (AC)	Honda GX200	7,9	72	43	650x410x560
ABP 4,2-230 LH9	4,2	3,9	17	230 (AC)	Honda GX270	3	70	58	700x580x500
ABP 4,2-230 LH-TD9	4,2	3,9	17	230 (AC)	Honda GX270	12,5	68	65	700x510x570
ABP 4,2-230 LB-TSD9	4,2	3,9	17	230 (AC)	B&S Vanguard	11,9	74	82,3	700x510x570
ABP 4,2-230 LH-TSD9	4,2	3,9	17	230 (AC)	Honda GX270	12,5	68	80	700x510x570
ABP 5-230 LH9	5,5	5	21,7	230 (AC)	Honda GX390	2,8	72	72	870x580x540
ABP 6-230 LK9	6	5,5	24	230 (AC)	Kohler CH440-0015	2,3	74	75	865x580x540
ABP 6-230 LH9	6	5,5	24	230 (AC)	Honda GX390	2,3	74	75	865x580x540
ABP 6-230 LH-TD9	6	5,5	24	230 (AC)	Honda GX390	8,8	70	85	820x530x610
ABP 6-230 LH-TSD9	6	5,5	24	230 (AC)	Honda GX390	8,8	70	90	820x530x610
ABP 7/4-T400/230 LH9	7,7/4,4	7,0/4,0	10,2/17,4	400/230 (AC)	Honda GX390	2,3	74	85	870x580x540
ABP 7/4-T400/230 LH-TD9	7,7/4,4	7,0/4,0	10,2/17,4	400/230 (AC)	Honda GX390	8,8	70	92	820x530x610
ABP 7/4-T400/230 LH-TSD9	7,7/4,4	7,0/4,0	10,2/17,4	400/230 (AC)	Honda GX390	8,8	70	96	820x530x610
ABP 7/4-T400/230 LK9	7,7/4,4	7,0/4,0	10,2/17,4	400/230 (AC)	Kohler CH440-0015	2,3	74	85	870x580x540
ABP 10-T400/230 LH-TSD9	11,0/6,6	10,0/6,0	14,6/21,7	400/230 (AC)	Honda GX630	6	72	135	960x600x720
ABP 10-230 LH-TSD9	11	10	43,4	230 (AC)	Honda GX630	5,9	72	132	960x600x720
ABP 12-T400/230 LH-TSD9	13,2/4,4	12,0/4,0	18,3/17,4	400/230 (AC)	Honda GX630	6	72	150	960x600x720
ABP 16-230 LB-TS9	17,6	16	69,6	230 (AC)	B&S Vanguard	5,8	76	200	1010x540x1070
ABP 20-T400/230 LB-TS9	22,0/8,8	20,0/8,0	28,9/34,8	400/230 (AC)	B&S Vanguard	6,6	76	200	1010x540x1070

Diesel Engine ADP Series

With the ADP Series we introduce to you powerful generators which use diesel engines from Lombardini and Yanmar. We recommend using these units for severe long-term operations in both industrial and construction applications.



Model	Max. Output, kVA	Rated Output, kVA	Rated Current, A	Rated Voltage, V	Engine	Operating time, h	Sound Level, dB	Weight, kg	Dimensions LxBxH, mm
ADP 2,2-230 LY-T9	2,2	2	8,7	230 (AC)	Yanmar L48	13	75	56	560x420x620
ADP 3-230 LY-T9	3,3	3	13	230 (AC)	Yanmar L70	9,7	75	72	690x510x550
ADP 5,0-230 LY9	5	4,5	19,6	230 (AC)	Yanmar L100	3,2	75	93	750x550x590
ADP 5,0-230 LY-T9	5	4,5	19,6	230 (AC)	Yanmar L100	7,3	75	95	750x550x610
ADP 5,0-230 LY-S9	5	4,5	19,6	230 (AC)	Yanmar L100	3,2	75	100	750x560x590
ADP 5,0-230 LY-TS9	5	4,5	19,6	230 (AC)	Yanmar L100	7,3	75	105	750x560x610
ADP 6,0-230 LL-S9	6	5,5	24	230 (AC)	Lombardini 3LD510/15LD500	2,2	75	111	820x520x650
ADP 6,0-230 LL-TS9	6	5,5	24	230 (AC)	Lombardini 3LD510/15LD500	5,4	76	111	820x520x650
ADP 6,5/ 3,2-T400/ 230 LY9	7,2/3,5	6,5/3,2	10,0/13,5	400/230 (AC)	Yanmar L100	3,2	75	91	750x550x590
ADP 6,5/ 3,2-T400/ 230 LY-T9	7,2/3,5	6,5/3,2	10,0/13,5	400/230 (AC)	Yanmar L100	7,3	75	95	750x550x610
ADP 6,5/ 3,2-T400/ 230 LY-S9	7,2/3,5	6,5/3,2	10,0/13,5	400/230 (AC)	Yanmar L100	3,2	75	96	750x560x590
ADP 6,5/ 3,2-T400/ 230 LY-TS9	7,2/3,5	6,5/3,2	10,0/13,5	400/230 (AC)	Yanmar L100	7,3	75	99	750x560x610
ADP 7/ 4-T400/ 230 LL-S9	7,7/4,4	7,0/4,0	10,2/17,4	400/230 (AC)	Lombardini 3LD510/15LD500	2,3	75	110	820x520x650
ADP 7/4-T400/230 LL-TS9	7,7/4,4	7,0/4,0	10,2/17,4	400/230 (AC)	Lombardini 3LD510/15LD500	5,25	75	115	820x520x660
ADP 8-230 LL-TS9	8,8	8	34,8	230 (AC)	Lombardini 25LD330-2	4,5	75	141	960x600x720
ADP 10-230 LL-TS9	10	9	39,1	230 (AC)	Lombardini 25LD425-2	4,2	75	153	960x600x720
ADP 10/6-T400/230 LL-TS9	11,0/6,6	10,0/6,0	14,5/26	400/230 (AC)	Lombardini 25LD330-2	4,5	75	152	960x600x720
ADP 12,0-230 LL-TS9	12	11	47,8	230 (AC)	Lombardini 12LD477-2	11,5	75	180	1100x550x1070
ADP 12-T400 LL-TS9	12	11	16,2	400 (AC)	Lombardini 25LD425-2	4,2	75	167	960x600x720
ADP 16-T400 LL-TS9	16	14,5	21,3	400 (AC)	Lombardini 12LD477-2	11,5	75	200	1100x550x1070

Welding Generators

Our welding equipment with synchronous self-regulating maintenance-free alternators uses internationally renowned engines from Honda (Japan), Briggs & Stratton (USA), Robin-Subaru (Japan), Kohler (USA), Lombardini (Italy), Yanmar (Japan) and is designed for use as stand alone devices for manual arc welding.

With the ability to operate in two modes (welding or generator), you have the possibility to use our welding generators in a temperature range from -35°C to $+45^{\circ}\text{C}$. Easy maintenance and user friendly modern design makes these units indispensable aids in the areas of the industry and construction where there is no continuous power supply.



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Model	Max. Output, kVA	Rated Output, kVA	Welding Current at 35% duty cycle, A	Rated Voltage, V	Fuel	Engine	Operating time, h	Sound Level, dB	Weight, kg	Dimensions LxBxH, mm
ASPDT 180-5/230 LY9	5	4,5	180 (AC)	230 (AC)	Diesel, seasonal	Yanmar L100	3,2	75	104	750x550x590
ASPDT 180-5/230 LY-S9	5	4,5	180 (AC)	230 (AC)	Diesel, seasonal	Yanmar L100	3,2	75	114	750x560x590
ASPBT 180-5/230 LH9	5,5	5	180 (AC)	230 (AC)	Automotive unleaded gasoline	Honda GX390	2,3	74	83	870x580x540
ASPDT 200-6/230 LL-S9	6	5,5	200 (AC)	230 (AC)	Diesel, seasonal	Lombardini 3LD510/15LD500	2,3	75	115	820x520x650
ASPBT 200-6/230 LH9	6,6	6	200 (AC)	230 (AC)	Automotive unleaded gasoline	Honda GX390	2,3	74	94	870x580x540
ASPBT 200-6/230 LK9	6,6	6	200 (AC)	230 (AC)	Automotive unleaded gasoline	Kohler CH440-0015	2,5	74	85	870x580x540
ASPBW 220-6,5/3,5-T400/230 LK9	7,2/3,5	6,5/3,2	220 (AC)	400/230 (AC)	Automotive unleaded gasoline	Kohler CH440-0015	2,6	74	96	870x580x540
ASPBW 220-6,5/3,5-T400/230 LH9	7,2/3,5	6,5/3,2	220 (AC)	400/230 (AC)	Automotive unleaded gasoline	Honda GX390	2,3	74	94	870x580x540
ASPDW 220-6,5/3,5-T400/230 LL-S9	7,2/3,5	6,5/3,2	220 (AC)	400/230 (AC)	Diesel, seasonal	Lombardini 3LD510/15LD500	2,3	75	125	820x520x650
ASPDW 300-8/3-T400/230 LL-TS9	8,0/3,0	6,4/3,0	300 (AC)	400/230 (AC)	Diesel, seasonal	Lombardini 12LD477-2	6	76	240	1100x900x880
ASPBW 250-8/3-T400/230 LH-TSD9	8,8/3,3	8,0/3,0	250 (AC)	400/230 (AC)	Automotive unleaded gasoline	Honda GX630	6	75	185	960x600x720
ASPDW 250-8/3-T400/230 LL-TS9	8,8/3,3	8,0/3,0	250 (AC)	400/230 (AC)	Diesel, seasonal	Lombardini 25LD425-2	4,2	76	230	906x600x720
ASPBW 400-10/4-T400/230 LB-TS9	11,0/4,4	10,0/4,0	400 (AC)	400/230 (AC)	Automotive unleaded gasoline	B&S Vanguard	6,6	76	220	1010x540x1070

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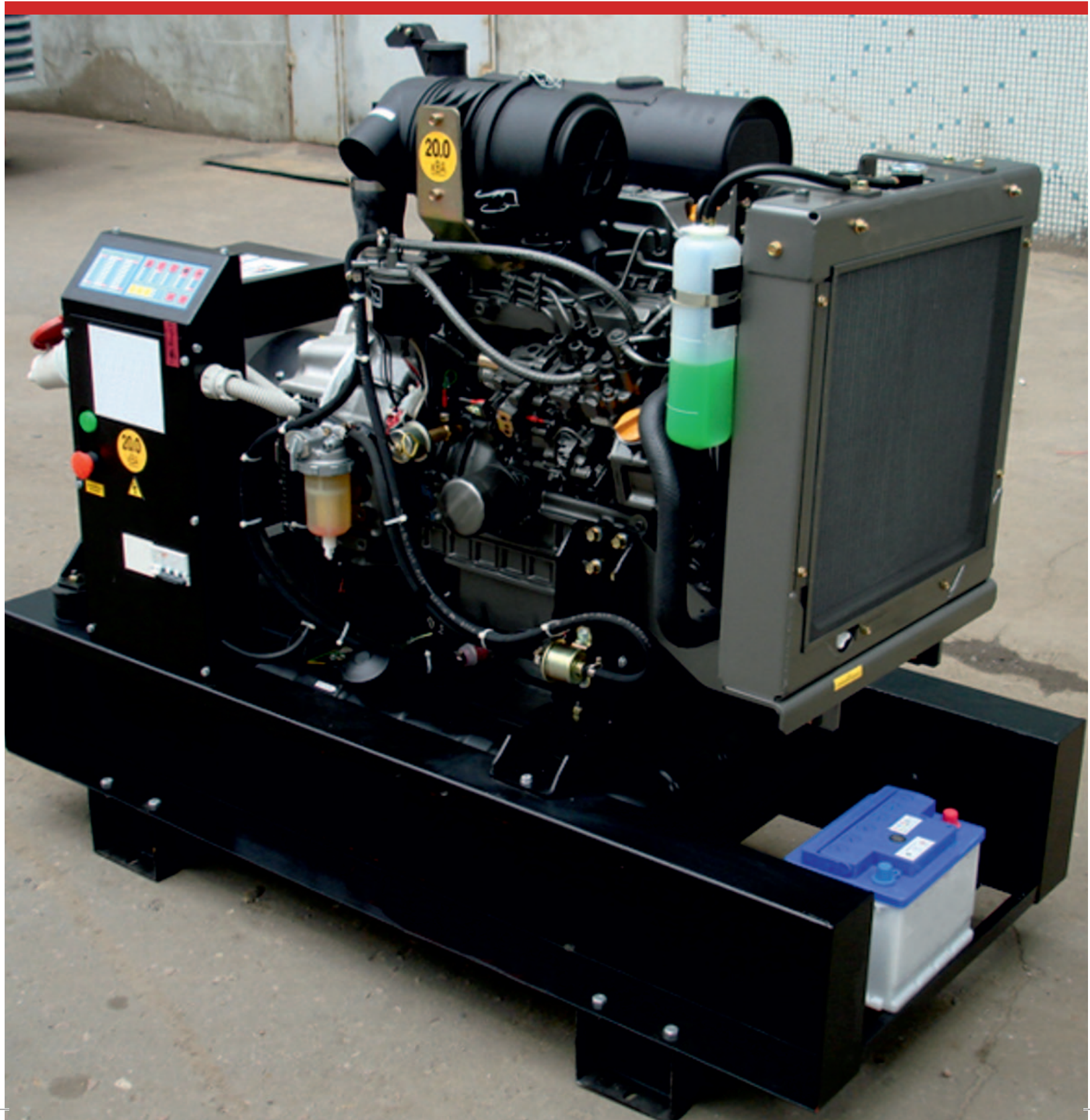
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EES GmbH manufactures a wide range of reliable stationary and emergency generator sets, proven to be trouble free and fail safe independent power sources. The units can be configured depending on the needs of the customer.

We are pleased to offer generators with dependable diesel engines on frames, in canopies, or in containers.

A generator placed in a canopy or container is protected from the effects of the weather, which makes it operate (including automatic start) independently from external factors. Our containers can be outfitted with a fire extinguishing or alarm system, or both.

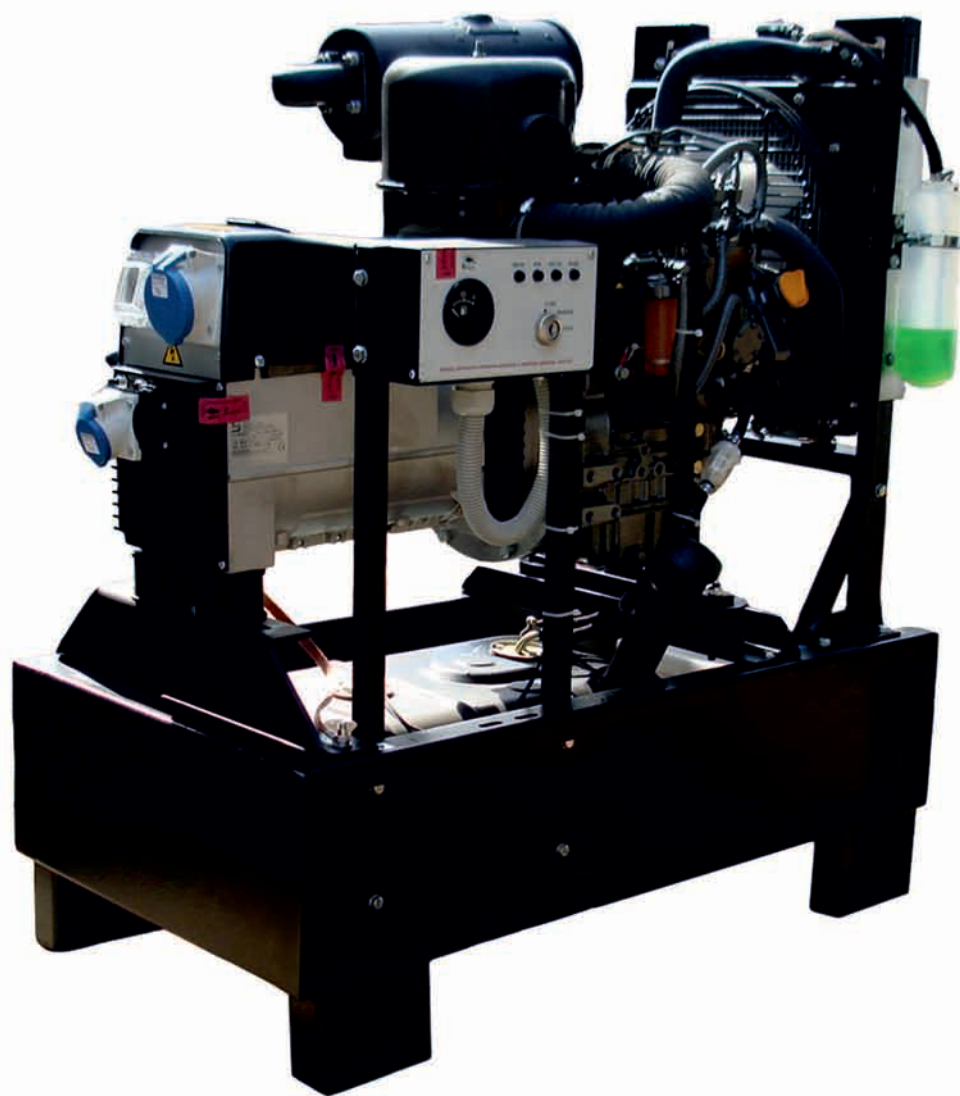
EES GmbH manufactures several types of containers for different locales and climates.



Emergency Power Generators

Automatic emergency power systems in combination with UPS systems prevent power outages so that telecommunications facilities, data centers, manufacturing plants, hospitals and other users are supplied power to without interruption.

Emergency power generators sets are designed for continual use for up to 10 days without a break in service. Our units are equipped with an auto start panel that contains also a remote start/stop switch and an a preheating unit for both the oil or coolant.

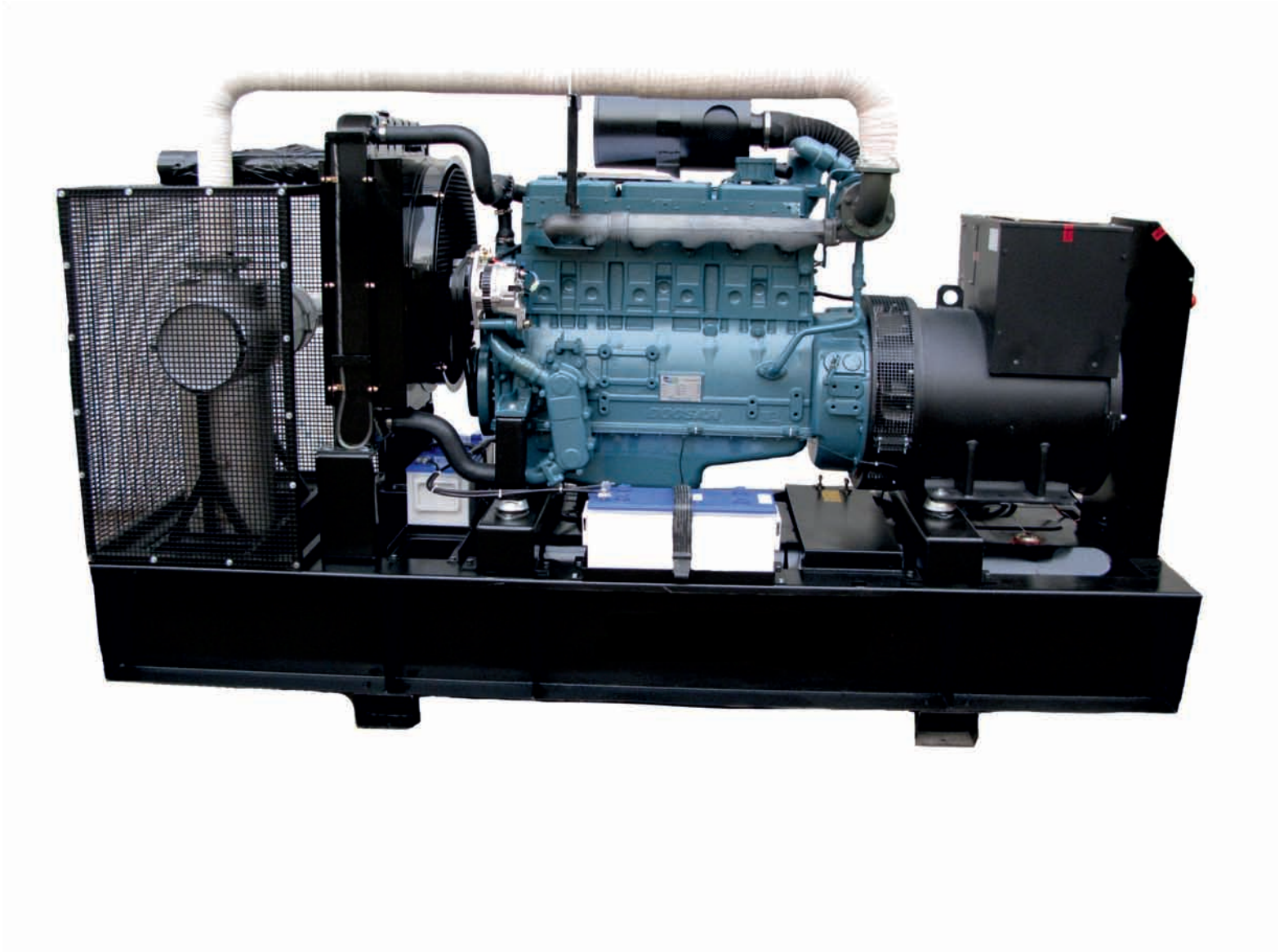


Model	Rated. Output, kVA	Rated Voltage, V	Engine	Fuel Consumption, l/h	Net Weight, kg	Fuel Tank Capacity, l	Dimensions on a Frame LxBxH, mm	Dimensions in a Canopy LxBxH, mm
ADA 7-230 RY9	6,1	230 (AC)	Yanmar 2TNV70	2,6	168	66	1006x540x1155	1595x725x1182
ADA 8,5-T400 RY9	8	400 (AC)	Yanmar 2TNV70	2,6	174	66	1006x540x1155	1595x725x1182
ADA 8-230 RL9	8	230 (AC)	Lombardini LDW702	3,4	178	66	1006x540x1060	1595x725x1182
ADA 10-T400 RL9	10	400 (AC)	Lombardini LDW702	3,4	184	66	1006x540x1060	1595x725x1182
ADA 10-230 RY9	10	230 (AC)	Yanmar 3TNV70	3,9	203	66	1336x540x1100	1595x725x1182
ADA 10-230 RL49	11	230 (AC)	Lombardini LDW702	2,5	285	130	1055x685x1350	680x1100x1470
ADA 12-230 RY9	12	230 (AC)	Yanmar 3TNV76	4,7	225	66	1336x540x1100	1595x725x1182
ADA 13,5-T400 RY9	12,5	400 (AC)	Yanmar 3TNV70	3,9	207	66	1336x540x1100	1595x725x1182
ADA 15-230 RL9	15	230 (AC)	Lombardini LDW1404	6,8	280	66	1336x540x1060	1675x725x1053
ADA 15-230 RY9	15	230 (AC)	Yanmar 3TNV82	5,9	260	66	1506x700x1140	1595x725x1182
ADA 16-T400 RY9	16	400 (AC)	Yanmar 3TNV76	4,7	230	66	1336x540x1100	1595x725x1182
ADA 20-T400 RL9	20	400 (AC)	Lombardini LDW1404	6,8	287	66	1336x540x1060	1675x725x1053
ADA 20-T400 RY9	20	400 (AC)	Yanmar 3TNV82	5,9	298	66	1506x700x1140	1595x725x1182
ADA 20-230 RL9	20	230 (AC)	Lombardini LDW1603	7,8	380	90	1506x700x1140	2049x755x1350
ADA 20-230 RI9	20	230 (AC)	Lister-Petter LPW4	8,4	401	90	1506x710x1100	2049x755x1350
ADA 20-230 RY9	20	230 (AC)	Yanmar 3TNV88	7,2	356	90	1506x700x1218	2049x755x1350
ADA 25-230 RY9	25	230 (AC)	Yanmar 4TNV88	9	400	90	1506x700x1218	2049x755x1350
ADA 25-T400 RL9	25	400 (AC)	Lombardini LDW1603	7,8	315	66	1336x540x1124	1595x725x1182
ADA 25-T400 RI9	25	400 (AC)	Lister-Petter LPW4	8,4	379	66	1506x700x1100	1675x725x1053
ADA 25-T400 RY9	25	400 (AC)	Yanmar 3TNV88	7,2	334	66	1506x700x1218	1595x725x1182
ADA 25-230 RL9	25	230 (AC)	Lombardini LDW2204	9,3	413	90	1506x700x1173	2049x755x1350
ADA 31,5-T400 RL9	31,5	400 (AC)	Lombardini LDW2204	9,3	416	90	1506x700x1173	2049x755x1350
ADA 31,5-T400 RY9	31,5	400 (AC)	Yanmar 4TNV88	9	419	90	1506x700x1218	2049x755x1350
ADA 38-T400 RI9	38	400 (AC)	Lister-Petter LPWT4	10,2	401	90	1506x700x1220	2049x755x1350
ADA 38-T400 RY9	38	400 (AC)	Yanmar 4TNV84T	10,2	424	90	1506x700x1280	2049x755x1350

Permanent Power Generators

Permanent power generators are design for long intensive operation as the primary power source.

All models can be equipped with an electronic engine speed control, which allows to synchronize the generator sets on a common load either in manual or automatic mode. Generator sets can be easily integrated into the UPS and have the ability to be connected to additional fuel tanks.



Model	Rated Output, kVA	Rated Voltage, V	Engine	Fuel Consumption, l/h	Net Weight, kg	Fuel Tank Capacity, l	Dimensions on a Frame LxBxH, mm	Dimensions in a Canopy LxBxH, mm
ADS 8-230 RY9	8	230 (AC)	Yanmar 3TNE78G1/3TNV82GGE	2,8	297	66	1336x540x1140	1595x725x1182
ADS 10-T400 RY9	10	400 (AC)	Yanmar 3TNE78G1/3TNV82GGE	2,8	291	66	1336x540x1140	1595x725x1182
ADS 12-230 RY9	10,9	230 (AC)	Yanmar 3TNE88G1/3TNV88GGE	3,6	357	66	1506x700x1218	1595x725x1182
ADS 15-T400 RY9	13	400 (AC)	Yanmar 3TNE88G1/3TNV88GGE	3,6	306	66	1336x540x1148	1595x725x1182
ADS 16-230 RY9	13,6	230 (AC)	Yanmar 4TNV88GGE	4,8	390	90	1506x700x1218	2049x755x1350
ADS 20-T400 RY9	18	400 (AC)	Yanmar 4TNV88GGE	4,8	550	66	1506x700x1218	1695x725x1183
ADS 35-T400 RY9	33	400 (AC)	Yanmar 4TNV98GGE	8,6	542	90	1806x800x1320	2049x755x1350
ADS 40-T400 RM9	41	400 (AC)	MMZ D246.1	7,8	930	100	1735x760x1340	
ADS 45-T400 RY9	42	400 (AC)	Yanmar 4TNV98TGGE	10,9	578	100	1806x800x1320	2200x900x1330
ADS 55-T400 RY9	55	400 (AC)	Yanmar 4TNV106T	11,2	750	200	1800x800x1320	2200x900x1330
ADS 60-T400 RD9	60	400 (AC)	Deutz BF4M2012	14,1	823	200	1910x860x1400	2800x1100x1771
ADS 85-T400 RD9	85	400 (AC)	Deutz BF4M1013E	15,5	985	200	2050x880x1530	2800x1100x1771
ADS 105-T400 RD9	100	400 (AC)	Deutz BF4M1013EC	17,9	1069	200	2220x900x1527	2800x1100x1771
ADS 120-T400 RA9	120	400 (AC)	Daewoo D1146T	20,3	1418	200	3000x1000x1788	2800x1100x1771
ADS 135-T400 RD9	130	400 (AC)	Deutz BF6M1013E	22,8	1404	200	3000x1000x1712	2800x1100x1771
ADS 230-T400 RD9	220	400 (AC)	Deutz BF6M1015	39	1794	400	3500x1240x2075	3450x1300x1971
ADS 400-T400 RD9	380	400 (AC)	Deutz BF8M1015C	69,7	2590	600	3670x1640x1810	5260x1650x2850

Generators for special Applications

Generator sets for special applications are different from our standard products. They offer improved performance and the ability to work effectively under difficult or even extreme conditions. They are made to customers' requirements for temperature range, altitude, restrictions on weight and dimensions, as well as reliability, maintenance intervals, and other needs. Our power generators for special applications can be used as a primary or as an emergency power source.

To improve the reliability and ease of operation it is necessary to install an additional remote control.



Model		ADA 12-T400 RY9	ADA 16-T400 PY9	ADA 20-T400 RY9	ADA 31,5-T400 RY9	ADS 10-T400 RY9	ADS 15-T400 RY9
Rated	H=200m, t=20° C	12,7	16	23,1	39,9	14	20,7
Output,	H=1000m, t=40° C	10,0 (9,4)	12,7 (11,9)	20,0 (18,7)	33,0 (30,9)	11,8 (11,1)	16,7 (15,7)
kVA	H=2000m, t=37° C	8,8 (7,5)	11,1 (9,5)	17,5 (14,9)	30,5 (26,5)	10,9 (9,5)	15,5 (13,4)
	H=3000m, t=31° C	7,8 (5,8)	9,8 (7,4)	15,5 (11,6)	28,9 (22,8)	10,4 (8,2)	14,7 (11,6)
	H=4000m, t=24° C	-	-	-	26,9 (18,7)	9,6 (6,7)	13,6 (9,5)
Rated Voltage, V		400					
Voltage Output		AC, Three-Phase					
Frequency, Hz		50					
Rated Current, A (H=1000m, t=40° C)		14	18	29	48	17	24
Rated Power Factor, cos φ		0,8					
Rotation, rpm		3000				1500	
Engine		Yanmar 3TNV70	Yanmar 3TNV76	Yanmar 3TNV88	Yanmar 4TNV84T	Yanmar 3TNV84T	Yanmar 4TNV84T
Fuel Consumption, l/h		4,4	5,6	7,6	11,5	4,1	5,5
Dimensions on Frame L x B x H (mm)		1336x540x1100		1506x700x1220		1150x700x1280	1350x700x1324
Weight on Frame, kg		210	235	360	430	400	450
Dimensions in Canopy L x B x H (mm)		1150x680x854	1350x700x1345		-	1150x760x1280	1350x760x1320
Weight in Canopy, kg		270	320	40	-	450	510
Engine warm-up time with coolant heater from -50° C to +40° C; min		20		25		25	

Model		ADS 20-T400 RL9	ADS 30-T400 RY9	ADP 1,5-230 LY9	ADP 2,2-230 LY9	ADP 3,5-230 LY9	ADP 5-T400 LL9
Rated	H=200m, t=20° C	21	37,8	2	3,1	4,5	6,6
Output,	H=1000m, t=40° C	20,0 (19,4)	33,7 (31,6)	1,6 (1,5)	2,4 (2,3)	3,5 (3,3)	5,2 (4,9)
kVA	H=2000m, t=37° C	19,1 (16,6)	31,2 (27,0)	1,4 (1,2)	2,1 (1,8)	3,1 (2,6)	4,6 (3,9)
	H=3000m, t=31° C	18,1 (14,3)	29,5 (23,3)	1,3 (0,9)	1,9 (1,4)	2,7 (2,1)	4,0 (3,1)
	H=4000m, t=24° C	16,8 (11,7)	27,5 (19,1)	-	-	-	-
Rated Voltage, V		400		230			400
Voltage Output		AC, Three-Phase		AC, Single-Phase			AC, Three-Phase
Frequency, Hz		50		50			
Rated Current, A (H=1000m, t=40° C)		29	49	7	10	15	7,5
Rated Power Factor, cos φ		0,8		1			0,8
Rotation, rpm		1500		3000			
Engine		Yanmar 2204/T	Yanmar 4TNV98T	Yanmar L48AE	Yanmar L70AE	Yanmar L100AE	Lombardini 15LD500
Fuel Consumption, l/h		7,4	10,9	0,9	1,2	1,7	2
Dimensions on Frame L x B x H (mm)		1350x630x1180	1506x670x1100	560x410x565	686x506x553	750x554x590	750x550x590
Weight on Frame, kg		500	620	50	60	90	120
Dimensions in Canopy L x B x H (mm)		1350x690x1180	-	-	-	-	-
Weight in Canopy, kg		550	-	-	-	-	-
Engine warm-up time with coolant heater from -50° C to +40° C; min		25	30	-	-	20	

Notes:

- Rated power at 2000 and 3000 m is given at the rate of sea-level temperature +50° C and drop it at 6,5° C per 1000 meters altitude.
- Power indicated in parentheses corresponds to the regime of smokeless diesel operating mode.
- Subject to change some of the parameters during the design development.

Marine Diesel Generators are independent power systems for boats, yachts and various types of commercial vessels. The main difference of the marine generator from standard industrial generator is the engine cooling system. This cooling system uses a heat exchanger. Water is pumped through the heat exchanger where it absorbs heat and is then discharged overboard at a higher temperature.

Both industrial and marine diesel generators have similar structural and functional characteristics. As a result of low maintenance, high reliability, long life and the ability to configure special options, our diesel generators can replace older as well as newer generator systems.



Emergency Power Generators

Model	Rated. Output, kVA	Rated Voltage, V	Rated Current, A	Engine	Dimensions on a Frame LxBxH, mm	Dimensions in a Canopy LxBxH, mm	Weight, kg
ADA 3,5-230 WF9	3,3	230 (AC)	17,4	Farymann		800X400X500	
ADA 7-230 WY9	6,1	230 (AC)	26,5	Yanmar 2TNV70	1100x530	1500x750x1000	149,7
ADA 8,5-T400 WY9	8,2	400 (AC)	11,7	Yanmar 2TNV70	1100x530	1500x750x1000	156,2
ADA 8-230 WL9	7,3	230 (AC)	31,7	Lombardini LDW 702	1100x530	1500x750x1000	160,7
ADA 10-T400 WL9	9,1	400 (AC)	13,1	Lombardini LDW 702	1100x530	1500x750x1000	167,2
ADA 10-230 WY9	9,7	230 (AC)	40,9	Yanmar 3TNV70	1100x530	1500x750x1000	179
ADA 12-T400 WY9	12,7	400 (AC)	18,3	Yanmar 3TNV70	1100x530	1500x750x1000	183
ADA 10-230 WI9	10	230 (AC)	40,9	Lister Petter LPW2	1100x530	1500x750x1000	
ADA 13,5-T400 WI9	13,5	400 (AC)	18,3	Lister Petter LPW2	1100x530	1500x750x1000	
ADA 12-230 WY9	12	230 (AC)	52,2	Yanmar 3TNV76	1100x530	1500x750x1000	203
ADA 16-T400 WY9	16	400 (AC)	23,1	Yanmar 3TNV76	1100x530	1500x750x1050	243
ADA 15-230 WY9	15	230 (AC)	65,2	Yanmar 3TNV82	1200x530	1500x750x1050	248
ADA 20-T400 WY9	20	400 (AC)	28,9	Yanmar 3TNV82	1200x530	1500x750x1050	254
ADA 15-230 WL9	15	230 (AC)	65,2	Lombardini LDW 1404	1200x530	1500x750x1050	234
ADA 20-T400 WL9	20	400 (AC)	28,9	Lombardini LDW 1404	1200x530	1500x750x1050	240
ADA 15-230 WI9	15	230 (AC)	65,2	Lister Petter LPW3	1200x530	1500x750x1050	
ADA 20-T400 WI9	20	400 (AC)	28,9	Lister Petter LPW3	1200x530	1500x750x1050	
ADA 20-230 WY9	20	230 (AC)	87	Yanmar 3TNV88	1200x530	1500x750x1050	312
ADA 25-T400 WY9	25	400 (AC)	39	Yanmar 3TNV88	1200x530	1500x750x1050	290
ADA 20-230 WL9	20	230 (AC)	87	Lombardini LDW 1603	1200x530	1500x750x1050	330
ADA 25-T400 WL9	25	400 (AC)	36,1	Lombardini LDW 1603	1200x530	1500x750x1050	308
ADA 20-230 WI9	20	230 (AC)	39	Lister Petter LPW4	1200x530	1500x750x1050	
ADA 25-T400 WI9	25	400 (AC)	39	Lister Petter LPW4	1200x530	1500x750x1050	
ADA 25-230 WY9	25	230 (AC)	108,7	Yanmar 4TNV88	1200x530		312
ADA 31,5-T400 WY9	31,5	400 (AC)	45,5	Yanmar 4TNV88	1200x530		358
ADA 25-230 WL9	25	230 (AC)	108,7	Lombardini LDW 2204	1200x530		385
ADA 25-230 WI9	25	230 (AC)	55	Lister Petter LPWT4	1200x530		
ADA 38-T400 WY9	38	400 (AC)	55	Yanmar 4TNV84T	1200x530		363
ADA 38-T400 WI9	38	400 (AC)	55	Lister Petter LPWT4	1200x530		
ADA 31,5-T400 WL9	31,5	400 (AC)	45,5	Lombardini LDW 2204	1200x530		369

Permanent Power Generators

Model	Rated Output, kVA	Rated Voltage, V	Engine	Dimensions on a Frame LxBxH, mm	Dimensions in a Canopy LxBxH, mm	Weight a Frame, kg	Weight in a Canopy, kg
ADS 6,5-230 WI9	6,5	230 (AC)	Lister Petter LPW2	1100x530	1500x750x1000	28,3	
ADS 7-T400 WI9	7	400 (AC)	Lister Petter LPW2	1100x530	1500x750x1000	10,1	
ADS 8-230 WY9	8	230 (AC)	Yanmar 3TNV82 GGE	1100x530	1500x750x1000	34,8	228
ADS 10-T400 WY9	10	400 (AC)	Yanmar 3TNV82 GGE	1100x530	1500x750x1000	14,4	222
ADS 8-230 WI9	9	230 (AC)	Lister Petter LPW3	1100x530	1500x750x1000	39,1	
ADS 10-T400 WI9	11	400 (AC)	Lister Petter LPW3	1100x530	1500x750x1000	15,9	
ADS 10-230 WY9	10,2	230 (AC)	Yanmar 3TNV88 GGE	1100x530	1500x750x1050	44,3	284
ADS 12-T400 WY9	12,7	400 (AC)	Yanmar 3TNV88 GGE	1100x530	1500x750x1050	18,3	292
ADS 14-T400 WP9	13,8	400 (AC)	Perkins-sabrie 415 GM	1200x630	1500x750x1050	19,9	355
ADS 12-230 WI9	12	230 (AC)	Lister Petter LPW4	1200x530	1500x750x1050	52,2	
ADS 16-T400 WI9	16	400 (AC)	Lister Petter LPW4	1200x530	1500x750x1050	23,2	
ADS 14-230 WY9	13,5	230 (AC)	Yanmar 4TNV88 GGE	1200x530	1500x750x1050	58,7	316
ADS 18-T400 WY9	16,8	400 (AC)	Yanmar 4TNV88 GGE	1200x530	1500x750x1050	24,2	370
ADS 16-230 WI9	16	230 (AC)	Lister Petter LPW4T	1200x530	1500x750x1050	69,5	
ADS 20-T400 WI9	20	400 (AC)	Lister Petter LPW4T	1200x530	1500x750x1050	29	
ADS 20-T400 WP9	20,7	400 (AC)	Perkins-sabrie 422 GM	1200x630	1500x750x1050	32,9	434
ADS 30-T400 WP9	30,6	400 (AC)	Perkins-sabrie 422 TGM	1200x630		48,8	519
ADS 35-T400 WY9	33,3	400 (AC)	Yanmar 4TNV98 GGE	1300x630		48,1	506
ADS 45-T400 WY9	41,6	400 (AC)	Yanmar 4TNV98T GGE	1300x630		60	526
ADS 45-T400 WA9	45	400 (AC)	Daewoo AD 034TI/P034TI	1600x770		65	704
ADS 48-T400 WP9	48	400 (AC)	Perkins-sabrie 4,4 GM	1300x630		69,4	768
ADS 55-T400 WY9	53	400 (AC)	Yanmar 4TNV106T GGE	1300x630			620
ADS 55-T400 WD9	55	400 (AC)	Deutz BF 4M2012	1600x710		79,4	747
ADS 63-T400 WP9	63,5	400 (AC)	Perkins-sabrie 4,4TGM	1300x630		91,8	848
ADS 80-T400 WP9	77,1	400 (AC)	Perkins-sabrie 4TGM	1300x630		111,3	792
ADS 80-T400 WP9	80	400 (AC)	Daewoo AD136	-		115,5	1101
ADS 85-T400 WD9	83	400 (AC)	Deutz BF 4M1013E	1600x710		119,8	879
ADS 85-T400 WP9	84,4	400 (AC)	Perkins-sabrie 4,4TWGM	-		122,3	
ADS 105-T400 WD9	96	400 (AC)	Deutz BF 4M1013EC	1600x710		138,6	1005
ADS 105-T400 WP9	105,3	400 (AC)	Perkins-sabrie 4,4TW2GM	-		167,3	1004
ADS 120-T400 WDa9	115	400 (AC)	Daewoo AD136T	-		166	1234
ADS 135-T400 WD9	126	400 (AC)	Deutz BF 6M1013E	1700x710		181,9	1223
ADS 135-T400 WA9	132	400 (AC)	Daewoo AD136 TI	-		190,5	1287
ADS 150-T400 WP9	146	400 (AC)	Perkins-sabrie 6TWGM	-		149,5	1221
ADS 175-T400 WA9	175	400 (AC)	Daewoo AD086 TI	-		252,6	1385
ADS 200-T400 WA9	200	400 (AC)	Daewoo AD196 TI	-		288,7	1664
ADS 240-T400 WA9	240	400 (AC)	Daewoo AD126 TI	-		346,4	1795
ADS 360-T400 WA9	355	400 (AC)	Daewoo AD158 TI	-		512,4	2400
ADS 420-T400 WA9	420	400 (AC)	Daewoo AD180 TI	-		606,2	2726
ADS 530-T400 WA9	525	400 (AC)	Daewoo AD222 TI	-		757,8	3199

Glossary

Condenser / Inductive

Condensers or inductive generators are the most popular power generators in the industry. The simplicity of their technology makes these generators cost effective and reliable. They are ideally suited for applications with resistive loads.

Inverter

Inverter generators give high quality clean power and are not rpm dependent. The cutting edge technology allows for an exceptionally compact product, with an alternator almost half the size of more traditional generators. Ideal for powering highly sensitive electronic equipment such as computers or medical equipment. The inverters provide optimised electricity for reactive and electronic loads, ensuring the best application performance and product longevity. Inverter generators offer a number of other benefits including less noise, lower weight, and greater fuel efficiency when compared to traditional models.

AVR

The Automatic Voltage Regulator (AVR) is designed to maintain a constant voltage. Power regulation is electronically controlled, which allows for better voltage and frequency stability. The AVR helps keep the output voltage more constant and less dependent on the load. This means less volatility in power loss or spikes. AVR technology significantly enhances the performance and operating lifetime of reactive load applications.

Digital AVR

The Digital Automatic Voltage Regulator (D-AVR) has a significant advantage over the traditional AVR, giving a smoother and more efficient output. This new output technology has several application benefits over AVR, such as minimising flickering lights.

Choosing a Generator

To determine which generator is best suited for your needs, please check on the type plate on the device. When calculating the entire device load for single or multiple devices, you should consider the device load plus its respective type (active, reactive load, inrush currents, etc.).

**Based on the type of load, the electrical devices can be divided into three groups:
(For the calculation of the nominal power of the unit, use the relevant factor.)**

- Active resistive load (Light bulbs, heaters) – factor 1,1.
- Reactive loads with low starting currents (Power hand tools, household appliances, fluorescent lamps) – factor 1,5 – 2,0.
- Normal reactive loads (electric motors, machine tools, welding transformers, submersible pumps) – factor 3,0 – 5,0.

Use these figures above as a quick reference for typical applications. If you have any questions or concerns, please contact our local distributor who will be happy to help you.

Example:

To operate a jigsaw tool rated at 600 W and three light bulbs rated at 100 W each, the required rated power by the generator would be: $600 \times 2,0 + 3 \times 100 \times 1,1 = 1530 \text{ W}$.

The generator must ensure the rated power of at least 1530 W.

Notes



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