



Reliable electric power for many years

Power generators





Power generator 23HG

Petrol 2 - 11 kVA

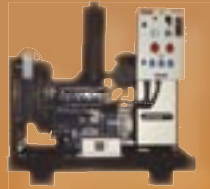
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Power generator LongLife

Petrol 8 - 13,6 kVA

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Power generator S1000/L1500

Diesel 7 - 35 kVA

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Power generator firebrigade

Petrol 5 - 13,6 kVA

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Current- and heat generators

Diesel 9 - 35 kVA electric output

10 - 37 kW heat output

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Power generator TB

petrol 700 / 1400 VA

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PTO (power take off) generators

14,8 bis 81 kVA

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Customer

Current - Hydraulic - Air

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Power generator NG-LPG

6 - 20 kVA

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Informations for you:



Explanations of our pictograms:



230 V output voltage



Note that MAG power generator can be driven with liquid gas.



forestry and agriculture



400 V output voltage



Note that MAG power generator can be driven with natural gas.



for heavy duty use at building sites



12 V direct current output voltage



Note a special low-noise operation



craftmen's workshops (locksmith's, carpenter's workshops road maintenance workshops, assembly shops,...)



electric current frequency



may be used as a spare power supply



for fire brigade



limited use when raining, generators are not dust-proof



electronic appliances with low voltage tolerances < 5 %



waste heat use for industrial water (heating)



may be used in rain and with splashing water, generators are not dust-proof



house, garden, hobby, leisure time



waste heat use for utility water (shower)



may be used in rain and with splashing water, generators are dust-proof



FireCan: uniform CAN interface for fire brigade

A small technical vocabulary of power generator technical expressions:

Ohmic appliances:

They are appliances such as electric bulbs, cookers, thermal resistors, etc. They take the same quantity of electric current at switching on as in operation.

Inductive appliances:

They are e. g. electric motors (direct current or alternating current). These appliances take markedly more electric current at switching on than in operation. The current consumption may reach 8-multiple of the electric motor rated current. When choosing a power generator output, this should be considered.

Power output:

Indicated power output (apparent output) of power generators is stated in VA (voltampere).

cos phi: power factor:

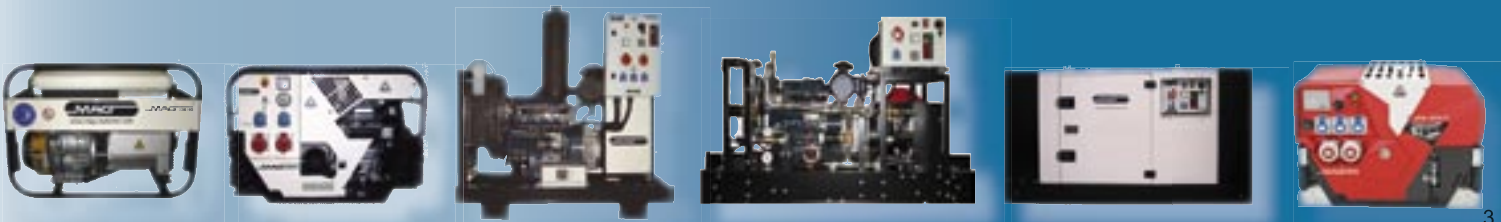
It is given from the relation of active and apparent output. As a rule, this factor is stated on direct current appliances. This value is often 0,8. If you multiply the power generator output in VA with this power factor, you will obtain the active output, which is stated in W (Watt).

Active output:

This is stated in Watt. The manufacturer's output data can be taken over from ohmic appliances directly for operation. With direct current appliances must be considered the power factor.

Synchronous generators:

MAG uses solely synchronous generators, which are suitable for all appliances. We differentiate generators with inner cooling (IP 23 protection class) and outer cooling (IP 54). The power generators used outside must comply with IP 54 protection class.

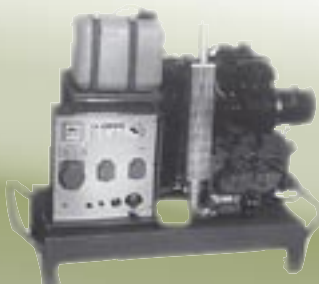
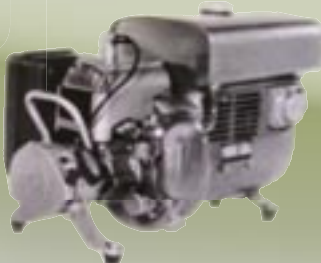


About us:

- 1966** Establishment of the company MAG MOTOREN Ges.m.b.H. with entry into the firm book with the number FN56258h. 100%-iger partner was at this time the company Motosacoche S.A. Geneva. At the time of the establishment of the Company the sales article consisted exclusive of the selling 4-cycle-Gasoline engines of the mark MAG, which were produced in Switzerland by the partner.
- 1985** Establishment as general agency of the industrial engine manufacturer Kubota. This extended the commercial program by the selling 4-cycle-Diesel-Industrial engines.
- 1987** Development of an own generator line, which was produced up to the year 1994 with a partner company in Austria.
- 1990** Owner change by the purchase of the company by Mr. Giger Stephan and Thomas. At the same time the Company took over the selling of Padprinting machines for Austria and Tschechien.
- 1994** Structure of an own generator manufacturing and introduction of the product name „MAG ENERGY”.
- 1998** Acquisition of the quality certification according to ISO 9002, which has its validity up to the today's time in the new version ISO 9001:2000. Development of a fire-brigade generator after DIN 14685.
- 2000** Development of an firebrigade genset after DIN14685 with 13,2 kVA, first use from an plastic tank and GFK-parts.
- 2002** Establishment of a new firm building in Grödig.
- 2005** Introduction of a fire brigade generator according to DIN14685 with 13,6 kVA, the first generator with bottom-mounted plastic fuel tank.
- 2008** Introduction of the new MAG Fire Brigade generator MAG 155 SL according to DIN14685. Establishment of the distribution network in Austria and Switzerland
- 2009** International registration of the brand MAG at the Office for Harmonization in the Internal Market. New development of a cogeneration unit.
- 2010** Introduction of the new MAG generators MAG 122 SL and MAG 133/144 SL. Recertification according to ISO 9002, which is still valid in its new wording ISO 9001:2008 today. Opening up of new distribution areas for fire brigade generators in Germany, Italy, Slovenia and in the Czech Republic. Presentation of the first DIESEL Fire Brigade generator in Europe according to DIN14685 with 8kVA.
- 2011** Expansion of our product palet program with current and heat gensets from 9 - 35 kVA electric output and from 10 - 37 kW heat output.

MAG = Motosacoche Acacias Genève.

▶▶▶ at that time



today ▶▶▶



Power generator 23HG

MAG



Symbol MAG236HG

MAG 23HG power generator line:

For the purpose of offering a ready to use, low-noise, and powerful power generator with an attractive price, the MAG 23HG power generator line originated. For the MAG 23HG power generator line we use high quality motors and generators.

MAG 23HG power generator line means:

- low noise level
- easy starting
- simple maintenance
- long time operation with only one tank refilling

Possibilities of use: small electric appliances such as hedge shears, chain saws, hand grinding tools for wood and metal machining, lighting,...

Power generator 23HG



Symbol MAG 236 HG

handy low-noise operation robust

with a voluminous tank for long time operation

MAG 23HG power generator are equipped with robust, inside ventilated generators of IP 23 protection class. This means for you that the MAG 23HG power generator may be used only conditionally when it is raining and in dusty environment.



Type	MAG 232 HG
Order-No.	MAG232HG
Power	2 kVA / 3.000 rpm
Dimensions (lxbxh)	700x440x490 mm
Weight*)	appr. 49 kg
Noise pegel	95 LWA
Protection class	min. IP 23
Tank capacity	16,5 Litre
Running time	appr. 11 hours
Generator	
Type	Synchron, cooling inside ventilated
Protection class	IP 23
voltage	230 V
voltage stability	+/- 5 %
Frequency	50 Hz
Rated current at 230V	8,5 A
Engine	Robin Subaru
Type	EX17 petrol engine / 1-cylinder / 4-cycle / OHC aircooled
Exhaust standard	EPAll, CARBII
Equipment	oil condition monitoring shutting off, petrol tap, ignition switch, recoil starter
Switch box	
Protection class	min. IP 23
Equipment	2x safety socket 230V/16A 1x circuit breaker

*) Weight data incl. oil, without fuel



Type	MAG 234 HG
Order-No.	MAG234HG
Power	4 kVA / 3.000 rpm
Dimensions (lxbxh)	820x580x580 mm
Weight *)	appr. 72 kg
Noise pegel	97 LWA
Protection class	min. IP 23
Tank capacity	27,5 Litre
Running time	appr. 10,5 hours
Generator	
Type	Synchron, cooling inside ventilated
Protection class	IP 23
Voltage	230 V / 400 V
Voltage stability	+/- 5 %
Frequency	50 Hz
Rated current at 400V	5,7 A
Engine	Robin Subaru
Type	EX27 petrol engine / 1-cylinder / 4-cycle / OHC aircooled
Exhaust standard	EPAll, CARBII
Equipment	oil condition monitoring shutting off, petrol tap, ignition switch, recoil starter
Switch box	
Protection class	min. IP 23
Equipment	1x safety socket 230V/16A 1x circuit breaker 1x alternating current socket CEE 400V/16A 1x hourmeter 1x voltmeter 0-500V

*) Weight data incl. oil, without fuel



Set of wheels

Using wheels of large dimensions enables easy movement in difficult terrain. The set of wheels consists of 2 wheels, 1 axis, axis holders and a grip bar with a soft grip and rubber support



Exhaust pipe 1.5m

The exhaust pipe is fixed on rubber supports located on exhaust pipe (quick-turn closure) and it is used for safe discharge of exhaust gases.

Options for MAG 23HG supply:

Set of wheels (for MAG232HG-MAG236HG)
Exhaust gas pipe
Three-way valve with pipe set (for MAG236HG)

Order-No.:

MAG23HG-R
MAG23HG-AS
MAG23HG-DWS6

Power generator 23HG



Symbol MAG 2311 HG

handy low-noise operation robust

Quality industrial engines
guarantee
long service life

MAG 23HG power generators are equipped with industrial engines of trademarks Robin Subaru and Briggs&Stratton Vanguard. This means for you a long time availability of spare parts.

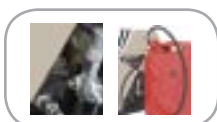


Type	MAG 236 HG
Order-No.	MAG236HG
Power	6,5 kVA / 3.000 rpm
Dimensions (lxbxh)	820x580x580 mm
Weight *)	appr. 90 kg
Noise pegel	97 LWA
Protection class	min. IP 23
Tank capacity	27,5 Litre
Running time	appr. 7,8 hours
Generator	
Type	Synchron, cooling inside ventilated
Protection class	IP 23
Voltage	230 V / 400 V
Voltage stability	+/- 5 %
Frequency	50 Hz
Rated current at 400 V	9,2 A
Engine	Robin Subaru
Type	EH41 petrol engine / 1-cylinder / 4-cycle OHV / aircooled
Exhaust standard	EPAll, CARBII
Equipment	oil condition monitoring shutting off, petrol tap, ignition switch, recoilstarter
Switch box	
Protection class	min. IP 23
Equipment	1x safety socket 230V/16A 1x fuse switch 1x alternating current socket CEE 400V/16A 1x hourmeter 1x voltmeter 0-500V

*) Weight data incl. oil, with fuel

Type	MAG 2311 HG
Order-No.	MAG2311HG
Power	11 kVA / 3.000 rpm
Dimensions (lxbxh)	820x550x580 mm
Weight*)	appr. 110 kg
Noise pegel	96 LWA
Protection class	min. IP 23
Tank capacity	8,5 Litre
Running time	appr. 1,5 hours
Generator	
Type	Synchron, cooling inside ventilated
Protection class	IP 23
Voltage	230 V / 400 V
Voltage stability	+/- 5 %
Frequency	50 Hz
Rated current at 400V	16,3 A
Engine	Briggs&Stratton
Type	18 HP petrol engine / 2-cylinder / 4-cycle OHV / aircooled
Exhaust standard	2002/88 EG
Equipment	Recoil-/12V-electricstarter, without battery, oil condition monitoring shutting off, start switch, petrol tap
Switch box	
Protection class	min. IP 23
Equipment	1x safety socket 230V/16A 1x alternating current socket CEE 400V/16A 1x hourmeter 1x voltmeter 0-500V 2x AC automatic circuit breaker

*) Weight data incl. oil, without fuel



Three-way valve with pipe accessories

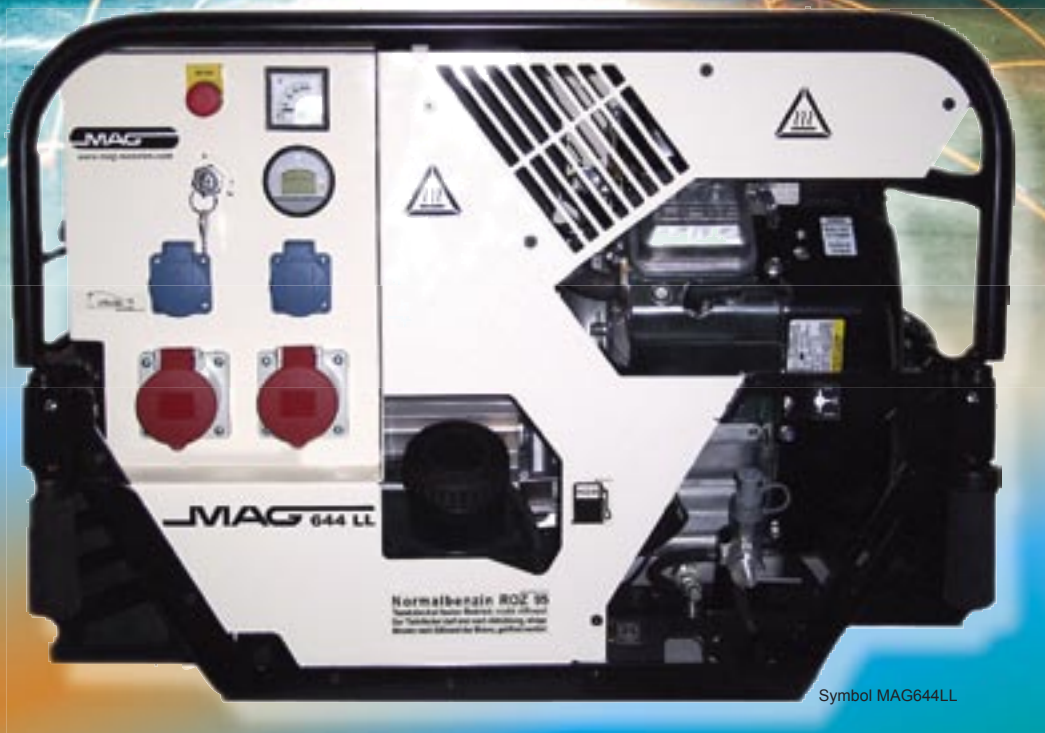
To achieve long time and undisrupted operation without refilling fuel, we offer you a three-way valve with a pipe set and 20 liter canister. (not for MAG232HG and MAG234HG).

Options for MAG 23HG supply:
Set of wheels (for MAG2311HG)
Exhaust gas pipe
Three-way valve with pipe set
Battery only for MAG2311HG

Order-No.:
MAG23HG-R11
MAG23HG-AS
MAG23HG-DWS11
MAG23HG-BAT11

Power generator LongLife

MAG



Symbol MAG644LL

MAG LongLife power generator line with IP 54 generators:

The MAG line is interesting especially for craftsmen. The gasoline engine designed for long time operation and the electric equipment, which also stands “wet” conditions, symbolize the MAG LongLife power generator line. To provide for safety, we use a plastic tank mounted from the bottom side. The gasoline tank mounted from the bottom side means for you minimum fire risk when tanking up and during operation.

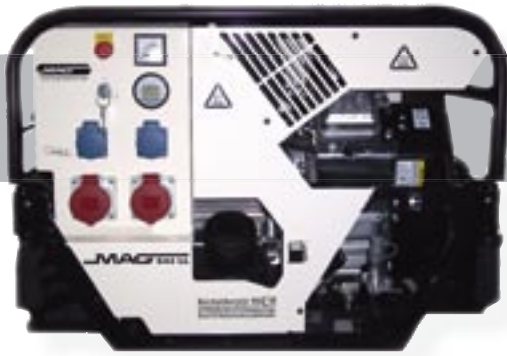
The option of fuel accessories with a canister enables a long time operation.

The MAG LongLife power generator line means:

- long service life
- comfortable electric starter
- high voltage stability through AVR generator regulator
- extensive electric equipment

Possibilities of use: powerful direct current appliances such as circular saws, welding units, pumps and based on AVR regulator for computers and every other type of electric appliances,...

Power generator LongLife



Symbol MAG 644LL

Can be also supplied with a speed limit device (DAS)

IP 54 Protection class
high performance

Plastic fuel tank mounted from bottom side for your safety

The MAG LongLife power generators are equipped with outside ventilated brushless synchronous generators of IP 54 protection class. It means for you that the MAG LongLife power generators may be used with splashing water and in dusty conditions.



Type	MAG 633 LL	MAG 644 LL	MAG 655 LL
Order-No.	MAG633LL	MAG644LL	MAG655LL
Power	8 kVA / 3.000 rpm	11 kVA / 3.000 rpm	13,6 kVA / 3.000 rpm
Dimensions (lxbxh)	820x440x580 mm	820x440x580 mm	820x440x580 mm
Weight	appr. 143 kg	appr. 145 kg	appr. 147 kg
Noise pegel	97 LWA	97 LWA	98 LWA
Protection class	min. IP 44	min. IP 44	min. IP 44
Tank capacity	12 Litre	12 Litre	12 Litre
Running time	appr. 2,2 hours	appr. 2 hours	appr. 1,8 hours
Generator	Synchron, brushless	Synchron, brushless	Synchron, brushless
Type	DWG with AVR-regulator	DWG with AVR-regulator	DWG with AVR-regulator
Protection class	IP 54	IP 54	IP 54
Voltage	230 V / 400 V	230 V / 400 V	230 V / 400 V
Voltage stability	+/-1% at 3.000 rpm +6% / -10%	+/-1% at 3.000 rpm +6% / -10%	+/-1% at 3.000 rpm +6% / -10%
Frequency	50 Hz	50 Hz	50 Hz
Rated current at 400V	11,6 A	16,3 A	19,3 A
Engine	Briggs&Stratton	Briggs&Stratton	Briggs&Stratton
Type	16 HP Vanguard petrol engine	18 HP Vanguard petrol engine	23 HP Vanguard petrol engine
Exhaust standard	2002/88/EG	2002/88/EG	2002/88/EG
Equipment	Recoil- and Electricstarter, battery, oil pressure error shutting off	Recoil- and Electricstarter, battery, oil pressure error shutting off	Recoil- and Electricstarter, battery, oil pressure error shutting off
Switch box			
Protection class	min. IP 44	min. IP 44	min. IP 44
Equipment	2x safety switch 230V/16A 1x CEE socket 400V/16A 1x voltmeter 0-500V 1x emergency stop button 1x tank gauge incl. hourmeter 1x ignition lock 3x AC automatic circuit breaker	2x safety switch 230V/16A 2x CEE socket 400V/16A 1x voltmeter 0-500V 1x emergency stop button 1x tank gauge incl. hourmeter 1x ignition lock 4x AC automatic circuit breaker	2x safety switch 230V/16A 1x CEE socket 400V/16A 1x CEE socket 400V/32A 1x voltmeter 0-500V 1x emergency stop button 1x tank gauge incl. hourmeter 1x ignition lock 4x AC automatic circuit breaker

Options for supply of all MAG LongLife power generators:
 Insulation monitoring
 Automatic Choker
 Speed limit device DAS
 Polarity reversing switch
 Three-way valve with set of pipe
 Set of wheels
 Exhaust gas pipe

MAG6LL-ISO
 MAG6LL-CHOK
 MAG6LL-DAS
 MAG6LL-POLW
 MAG6LL-DWS
 MAG6LL-RS
 MAG6LL-ABGS



Symbol MAG 644LL with optional set of wheels



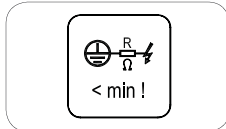
Symbol MAG 644LL with optional exhaust gas pipe

options for supply MAG LongLife

IP 54 Protection class
high performance

Intensifies your personal safety

Order-No.: MAG6LL-ISO

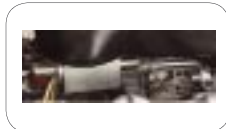


Insulation monitoring

The insulation monitoring provides you with additional personal safety. No use of ground spikes.

Comfortable start up

Order-No.: MAG6LL-CHOK

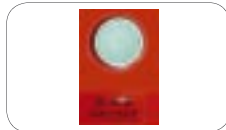


Automatic choker

With the automatic choker the MAG LongLife power generator can always be started up (cold or hot) immediately without having to handle the combustion engine choker (cold start device) manually.

Saves fuel and reduces noise emission

Order-No.: MAG6LL-DAS



Speed limit device DAS

With the DAS the fuel consumption and noise emission are substantially reduced. This option works e. g. at assembly works. The DAS recognizes when no electric appliance is switched on and automatically reduces the combustion engine speed. If an appliance is switched on, the DAS recognizes this and the MAG LongLife power generator speed will increase to rated speed. Thus you have the needed power available again.

Saves re-poling of 400V sockets

Order-No.: MAG6LL-POLW

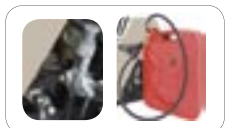


Polarity reversing switch

Rotation direction of many 400 V appliances is important for their use. With the pole reverse switch you can change for suitable rotation direction of your appliance.

Operates without disruption through a simple switch-over

Order-No.: MAG6LL-DWS



Three-way valve with pipe accessories

To achieve long time and undisrupted operation without refilling fuel, we offer you a three-way valve with a pipe set and 20 liter canister.

Move without effort

Order-No.: MAG6LL-RS



Set of wheels

Using wheels of large dimensions enables easy movement in difficult terrain. The set of wheels consists of 2 wheels, 1 axis, axis holders and a grip bar with a soft grip and rubber support.

Safe drainage of exhaust gases

Order-No.: MAG6LL-ABGS



Exhaust gas pipe 1.5 m

The exhaust pipe is fixed on rubber supports located on exhaust pipe (quick-turn closure) and it is used for safe discharge of exhaust gases.

Power generator S1000

MAG



Symbol MAG S1020

MAG S1000 power generator line:

In this MAG power generator line the generators are driven with diesel engines running at the speed 3.000 rpm. The MAG S1000 power generators are labeled as high-peed ones. The MAG power generators S1000 are suitable above all for emergency power supply. The MAG power generators S 1000 are also suitable for use for all the day long due to a robust design and thermic dimensioning.

The MAG S1000 power generator means:

- easy starting up
- simple maintenance
- robust design for long year use

Possibilities of use: emergency power supply in buildings, use at mounting works, ...

Power generator S1000

Creative open design



Symbol MAG S1020

robust
high performance

state-of-the-art diesel engines
with very good starting properties
up to -25°C

The engine and generator are mounted on a stable vibration-free steel pipe framework to be silent. All parts necessary for service, such as filters,... are positioned to be easily accessible. The diesel engines are characterized with their long service life, economical fuel consumption and low noise emissions and they of course comply with the latest applicable exhaust gas standards.



Type	MAG S1007	MAG S1010	MAG S1015
Order-No.	MAG-S1007	MAG-S1010	MAG-S1015
Power	7 kVA / 3.000 rpm	10 kVA / 3.000 rpm	15 kVA / 3.000 rpm
Dimensions (lxbxh)	1500x900x1400 mm	1500x900x1400 mm	1500x900x1400 mm
Weight	appr. 220 kg	appr. 250 kg	appr. 290 kg
noise level*)	85,6 db(A) measured distance of 1m	87,0 dBA) measured distance of 1m	90,5 dB(A) measured distance of 1m
Protection class	min. IP 23	min. IP 23	min. IP 23
Tank capacity	30 Litre	30 Litre	30 Litre
Running time	appr. 10,3 hours	appr. 7,2 hours	appr. 5,7 hours
Generator	Synchron, brushless	Synchron, brushless	Synchron, brushless
Type	S with AVR-regulator	S with AVR-regulator	S with AVR-regulator
Protection class	IP 23	IP 23	IP 23
Voltage	230 V / 400 V	230 V / 400 V	230 V / 400 V
Voltage stability	+/- 2%	+/- 2%	+/- 2%
Frequency	50 Hz	50 Hz	50 Hz
Rated current at 400V	10,2 A	14,6 A	21,8 A
Engine	Kubota Z 482	Kubota D 722	Kubota D 1005
Type	2-cylinder / 4-cycle / diesel engine water cooled	3-cylinder / 4-cycle / diesel engine water cooled	3-cylinder / 4-cycle / diesel engine water cooled
Exhaust standard	EPA TIER 4	EPA TIER 4	EPA TIER 4
Equipment	electricstarter, water temperature and oil pressure error shutting off	electricstarter, water temperature and oil pressure error shutting off	electricstarter, water temperature and oil pressure error shutting off
Switch box			
Protection class	min. IP 44	min. IP 44	min. IP 44
Equipment	1x voltmeter 0-500V 1x generator protective switch 1x safety switch 230V/16A 1x AC automatic circuit breaker 16A 2-pole 1x CEE socket 400V/16A 1x AC automatic circuit breaker 16A 4-pole 1x hourmeter 1x ignition lock 1x charging lamp 1x preheating gauge 1x control lamp for water temperature 1x control lamp for oil pressure 1x emergency stop button	1x voltmeter 0-500V 1x generator protective switch 1x safety switch 230V/16A 1x AC automatic circuit breaker 16A 2-pole 1x CEE socket 400V/16A 1x AC automatic circuit breaker 16A 4-pole 1x hourmeter 1x ignition lock 1x charging lamp 1x preheating gauge 1x control lamp for water temperature 1x control lamp for oil pressure 1x emergency stop button	1x voltmeter 0-500V 1x generator protective switch 1x safety switch 230V/16A 1x AC automatic circuit breaker 16A 2-pole 1x CEE socket 400V/32A 1x AC automatic circuit breaker 25A 4-pole 1x hourmeter 1x ignition lock 1x charging lamp 1x preheating gauge 1x control lamp for water temperature 1x control lamp for oil pressure 1 x emergency stop button

*) sound intensity value of the engine at full load



Power generator S1000

Creative open design



Symbol MAG S1020

robust
high performance

Stable and robust structure
for
vibration-free operation

The generators for the S1000 series do not need maintenance. We use synchronous generators with AVR regulator for high voltage stability. The ignition box is made of steel plate and highly equipped. Additional equipment is indicated in the options.



Type	MAG S1020	MAG S1025	MAG S1030
Order-No.	MAG-S1020	MAG-S1025	MAG-S1030
Power	20 kVA / 3.000 rpm	25 kVA / 3.000 rpm	30 kVA / 3.000 rpm
Dimensions (lxbxh)	1500x900x1400 mm	1500x900x1400 mm	1500x900x1400 mm
Weight	appr. 320 kg	appr. 360 kg	appr. 380 kg
Noise level*)	92 dB(A) measured distance of 1m	92 dB(A) measured distance of 1m	93 dB(A) measured distance of 1m
Protection class	min. IP 23	min. IP 23	min. IP 23
Tank capacity	30 Litre	30 Litre	30 Litre
Running time	appr. 5 hours	appr. 3,7 hours	appr. 3 hours
Generator	Synchron, brushless	Synchron, brushless	Synchron, brushless
Type	S with AVR-regulator	S with AVR-regulator	S with AVR-regulator
Protection class	min. IP 23	min. IP 23	min. IP 23
Voltage	230 V / 400 V	230 V / 400 V	230 V / 400 V
Voltage stability	+/- 2%	+/- 2%	+/- 2%
Frequency	50 Hz	50 Hz	50 Hz
Rated current at 400V	29,0 A	36,3 A	43,5 A
Engine	Kubota D 1105	Kubota V1505	Kubota V 1505T
Type	3-cylinder / 4-cycle / diesel engine water cooled	4-cylinder / 4-cycle / diesel engine water cooled	4-cylinder / 4-cycle / diesel engine water cooled
Exhaust standard	EU 3A	EU 3A	EU 3A
Equipment	Electricstarter, water temperature and oil pressure error shutting off	Electricstarter, water temperature and oil pressure error shutting off	Electricstarter, water temperature and oil pressure error shutting off
Switch box			
Protection class	min. IP 44	min. IP 44	min. IP 44
Equipment	1x voltmeter 0-500V 1x generator protective switch 1x safety switch 230V/16A 1x AC automatic circuit breaker 16A 2-pole 1x CEE socket 400V/32A 1x AC automatic circuit breaker 32A 4-pole 1x hourmeter 1x ignition lock 1x charging lamp 1x preheating gauge 1x control lamp for water temperature 1x control lamp for oil pressure 1x emergency stop button	1x voltmeter 0-500V 1x generator protective switch 1x safety switch 230V/ 16A 1x AC automatic circuit breaker 16A 2-pole 1x CEE socket 400V/63A 1x AC automatic circuit breaker 40A 4-pole 1x hourmeter 1x ignition lock 1x charging lamp 1x preheating gauge 1x control lamp for water temperature 1x control lamp for oil pressure 1x emergency stop button	1x voltmeter 0-500V 1x generator protective switch 1x safety switch 230V/16A 1x AC automatic circuit breaker 16A 2-pole 1x CEE socket 400V/63A 1x AC automatic circuit breaker 50A 4-pole 1x hourmeter 1x ignition lock 1x charging lamp 1x preheating gauge 1x control lamp for water temperature 1x control lamp for oil pressure 1x emergency stop button

*) sound intensity value of the engine at full load



Power generator L1500



Symbol power generator L1515 with optional Super silent protection hood

MAG L1500 power generator line:

The L1500 power generator line by MAG achieves lowest noise emissions through the consistent design. This advantage is achieved as a result of our long year experience in the power generator design and production. Vibration damping elements originated in marine area and special sound damping materials have been used.

The MAG L1500 power generator line means:

- low noise level
- lowest vibrations
- optimum fuel consumption
- suitability for long time operation

Possibilities of use: where low noise emissions are required, for long time operation,...

Power generator L1500

Creative open design



Symbol MAG L1515

long distance runners
silent and long living

20.000 operation hours
are possible
at proper servicing

The speed of MAG L1500 power generator is 1.500 rpm. This provides for a low-noise operation and slight wear and tear. The diesel engines really comply with the latest exhaust gas standards.



Type	MAG L1500
Order-No.	MAG-L1509
Power	9 kVA / 1.500 rpm
Dimensions (lxbxh)	1500x900x1400 mm
Weight	appr. 350 kg
Noise level*)	79,3 dB(A) measured in distance of 1m
Protection class	min. IP 23
Tank capacity	30 Litre
Running time	appr. 10,7 hours
Generator	Synchron, brushless
Type	SK160CA with AVR-regulator
Protection class	min. IP 23
Voltage	230 V / 400 V
Voltage stability	+/- 2 % at 230 V / 400 V at 1.500 rpm
Frequency	50 Hz
Rated current at 400V	13,1 A
Engine	Kubota D1105-BG
Type	3-cylinder / 4-cycle / diesel engine water cooled
Exhaust standard	---
Equipment	electricstart, water temperature and oil pressure error shutting off
Switch box	
Protection class	min. IP 44
Equipment	1x voltmeter 0-500V 1x generator protective switch 1x safety switch 230V/16A 1x AC automatic circuit breaker 16A 2-pole 1x CEE socket 400V/16A 1x AC automatic circuit breaker 16A 4-pole 1x hourmeter 1x ignition lock 1x charging lamp 1x preheating gauge 1x control lamp for water temperature 1x control lamp for oil pressure 1x emergency stop button

Type	MAG L1515
Order-No.	MAG-L1515
Power	15 kVA / 1.500 rpm
Dimensions (lxbxh) mm	1500x900x1400 mm
Weight	appr. 400 kg
Noise level	81,4 dB(A) measured in distance of 1m
Protection class	min. IP 23
Tank capacity	30 Litre
Running time	appr. 8,1 hours
Generator	Synchron, brushless
Type	SK160MA with AVR-regulator
Protection class	min. IP 23
Voltage	230 V / 400 V
Voltage stability	+/- 2 % at 230 V / 400 V at 1.500 rpm
Frequency	50 Hz
Rated current at 400V	21,8 A
Engine	Kubota D1703-M-BG
Type	3-cylinder / 4-cycle / diesel engine water cooled
Exhaust standard	EU 2
Equipment	electricstart, water temperature and oil pressure error shutting off
Switch box	
Protection class	min. IP 44
Equipment	1x voltmeter 0-500V 1x generator protective switch 1x safety switch 230V/16A 1x AC automatic circuit breaker 16A 2-pole 1x CEE socket 400V/32A 1x AC automatic circuit breaker 25A 4-pole 1x hourmeter 1x ignition lock 1x charging lamp 1x preheating gauge 1x control lamp for water temperature 1x control lamp for oil pressure 1x emergency stop button

*) sound intensity value of the engine at full load



Power generator L1500

Creative – open design



Symbol MAG L1515

long distance runners
silent and long living

Monitoring system of the engine protects the MAG L1500 power generator

The □ of the MAG power generator line L1500 are all AVR-regulated, brushless and thus do not need maintenance.

. The generators



Type	MAG L1520	MAG L1530	MAG L1535
Order-No.	MAG-L1520	MAG-L1530	MAG-L1535
Power	20 kVA / 1.500 rpm	30 kVA / 1.500 rpm	35 kVA / 1.500 rpm
Dimensions (lxbxh)	1500x900x1400 mm	1500x900x1400 mm	1500x900x1400 mm
Weight	appr. 500 kg	appr. 620 kg	appr. 630 kg
Noise level *)	82,1 dB(A) measured in distance of 1m	85,6 dB(A) measured in distance of 1m	86,3 dB(A) measured in distance of 1m
Protection class	min. IP 23	min. IP 23	min. IP 23
Tank capacity	30 Litre	30 Litre	30 Litre
Running time	appr. 6,5 hours	appr. 3,75 hours	appr. 3,3 hours
Generator	Synchron, brushless	Synchron, brushless	Synchron, brushless
Type	SK160MB with AVR-regulator	SK160LB with AVR-regulator	IB4MA with AVR-regulator
Protection class	min. IP 23	min. IP 23	min. IP 23
Voltage	230V / 400V	230V / 400V	230V / 400V
Voltage stability	+/- 2% at 230V/400V at 1.500 rpm	+/- 2% at 230V/400V at 1.500 rpm	+/- 2% at 230V/400V at 1.500 rpm
Frequency	50 Hz	50 Hz	50 Hz
Rated current at 400V	29,0 A	43,5 A	50,8 A
Engine	Kubota V2203-M-BG	Kubota V3300-E2-GB	Kubota V3300-T-E2-BG
Type	4-cylinder / 4-cycle / diesel engine water cooled	4-cylinder / 4-cycle / diesel engine water cooled	4-cylinder / 4-cycle / diesel engine water cooled
Exhaust standard	EU 2	EU 2	EU 2
Equipment	Electricstarter, water temperature and oil pressure error shutting off	Electricstarter, water temperature and oil pressure error shutting off	Electricstarter, water temperature and oil pressure error shutting off
Switch box			
Protection class	min. IP 44	min. IP 44	min. IP 44
Equipment	1x voltmeter 0-500V 1x generator protective switch 1x safety switch 230V/16A 1x AC automatic circuit breaker 16A 2-pole 1x CEE socket 400V/32A 1x AC automatic circuit breaker 32A 4-pole 1x hourmeter 1x ignition lock 1x charging lamp 1x preheating gauge 1x control lamp for water temperature 1x control lamp for oil pressure 1x emergency stop button	1x voltmeter 0-500V 1x generator protective switch 1x safety switch 230V/16A 1x AC automatic circuit breaker 16A 2-pole 1x CEE socket 400V/63A 1x AC automatic circuit breaker 50A 4-pole 1x hourmeter 1x ignition lock 1x charging lamp 1x preheating gauge 1x control lamp for water temperature 1x control lamp for oil pressure 1x emergency stop button	1x voltmeter 0-500V 1x generator protective switch 1x safety switch 230V/16A 1x AC automatic circuit breaker 16A 2-pole 1x CEE socket 400V/63A 1x AC automatic circuit breaker 50A 4-pole 1x hourmeter 1x ignition lock 1x charging lamp 1x preheating gauge 1x control lamp for water temperature 1x control lamp for oil pressure 1x emergency stop button

*) sound intensity value of the engine at full load



Power generator S1000 L1500



options for MAG power generators S1000 and L1500

Lower noise – more silence for you and your environment

Order-No.: MAG-SL1500-01



Super Silent sound protection hood

The sound protection hood reduces the given sound intensity level of a creative open design by at least 10 dB(A).

We achieve this as a result of our long year experience and consequently by a special design. We use 40 mm thick noise protecting mats made of non-inflammable materials. With the sound protection hood more silence for you and your environment will be achieved.

Use for comfortable loading

Order-No.: MAG-SL1500-02



Central hook

This loading hook is dimensioned for loading by crane. Supplied only with option equipment of MAG-SL1500-01.

If a stationary fuel tank is available

Order-No.: MAG-SL1500-03



External fuel supply

The MAG power generator is fuelled from a distant fuel tank.

There is no fuel tank mounted on the MAG power generator. The option equipment includes an electric diesel pump and a speed connecting pipe for diesel supply and leakage oil reverse flow into the tank.

Changeover of supply possibilities

Order-No.: MAG-SL1500-04



Changeover of tank

This option is chosen when there is a small emergency tank mounted on the MAG power generator, nevertheless the fuel is supplied through an external tank. Then the fuel supply of the MAG power generator between the emergency tank and the external tank can be manually changed over.

More safety at thermic overload

Order-No.: MAG-SL1500-05



V-belt monitoring

To avoid a thermic damage to the MAG power generator, the V-belt is monitored. This option offers you an additional operational safety.

Starts up even if you are not at home

Order-No.: MAG-SL1500-06



Automatic system at network failure

This monitors the electric network. If the electric network drops out, the MAG power generator is started up and your electric appliances are supplied with electric power independently of the electric network. When the electric network comes on again, the power generator is switched off.

The network failure automatic system includes a current, voltage and frequency indicator additionally. The engine monitoring system is integrated as well, such as that of oil pressure, water temperature and charge control. For this option, the battery charger must be additionally ordered, product No. SL1500-19 (page 19)

Power generator S1000 L1500



options for MAG power generators S1000 and L1500

Distance startup by hand or by an external signal

Order-No.: MAG-SL1500-07



Remote startup device

This possibility enables you to start up your MAG power generator with a cable from a place at the distance max. 25 m. By means of the external signal the MAG power generator can be automatically started up or switched off. For this option, the battery charger must be additionally ordered, product No. SL1500-19 (page 19).

When needed, it is also possible to start up with a spark or the GSM network.

Data transmission at highest level

Order-No.: SL1500-08



CAN-BUS interface

With this interface the operational and output data are transferred to a superordinate computer. The data are used for evaluation, maintenance and monitoring of the MAG power generator momentary operation.

For this option, the battery charger must be additionally ordered, product No. SL1500-19 (page 19).

Additional sockets for more appliances

Order-No.: MAG-SL1500-.....

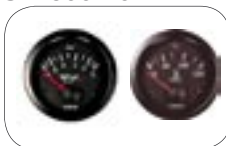


Additional sockets

It is helpful to have some additional sockets available. That is why we offer you the possibility of having the additional socket built in and electrically protected. For Schuko sockets for alternating current 230V product No. SL1500-216 (16 A) For direct current socket 400V product No. SL1500-416 or -432 (16A or 32A)

Oil pressure and water temperature at one sight

Order-No.: MAG-SL1500-10



Additional indicator

For real value indication of oil pressure and water temperature of the diesel engine.

Optimal safety without ground spikes

Order-No.: MAG-SL1500-11

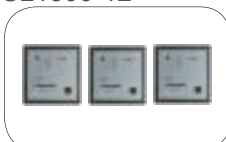


Insulation monitoring

When using where your MAG power generator cannot be grounded, the high quality insulation monitoring with a safety switch-off offers you the optimal user safety.

Quick recognition of a possible bypass current

Order-No.: MAG-SL1500-12



Additional indicator 3x Ampere meter

Visualizes the current consumption in all three phases to rapidly recognize a possible bypass current.

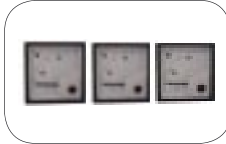
Power generator S1000 L1500



options for MAG power generators S1000 and L1500

Voltage fluctuations at one sight

Order-No.: MAG-SL1500-13



Additional indicator 3x Voltmeter (0-500V)

Overviews the three-phase phase voltage at one sight.

Control of electric frequency

Order-No.: MAG-SL1500-14



Additional indicator 1 x frequency meter (Hz)

With the additional frequency indicator also the combustion engine speed can be checked.

All voltages overviewed with one switchover

Order-No.: MAG-SL1500-15



Voltmeter switch

With this switch you can switch over among voltages of all phases-phases and phases-zero conductors. The voltage is always shown on the voltmeter (not possible with option MAGSL1500-13).

For a long service life - original spare parts

Order-No.: MAG-SL1500-16



Service kit

Keeping the service intervals prescribed by us extends the service life of your MAG power generator. We have collected for you a kit of original service parts, which cover one service interval.

The kit consists of 1x air filter, 1x fuel filter, 1x oil filter, 1x valve cover sealing. When ordering, please state the product No. and power generator type (e. g. L1515).

Ready for start up whenever needed

Order-No.: MAG-SL1500-19



Battery charger

To keep your MAG power generator ready to operate anytime, we recommend a fully automatic battery charger. It provides for the optimal maintenance charge level indicated on the battery.

Mobility is always demanded—illuminate your surroundings

Customer -specific



Trailers

We mount MAG power generators on approved quality chassis for you. We take care to standardize to achieve the individual approval.

The MAG power generators mounted on trailers must be equipped with insulation monitoring (product No.: SL1500-11).

Light mast

For lighting of building sites, events, disaster removals. Modern LED technology can be supplied by us.

Power generator firebrigade

MAG



Symbol fire brigade power generator MAG155SL-R

MAG fire brigade power generator line:

It is designed by us specially for fire brigades, assistant organizations, and for use at increased requirements of safety degree. The MAG fire brigade power generators are produced in our factory with output 5 kVA -13,6 kVA. As a guideline for the MAG fire brigade power generators dimensioning and production we use DIN 14685-1 standard.

MAG fire brigade power generator line means:

- highest safety
- user orientation
- high output
- Top design

Possibilities of use: especially for fire brigades and users with increased requirements of safety degree,...

Power generator firebrigade



Symbol MAG122SL-G

operator oriented
highest safety



Symbol MAG135SL-R

The MAG fire brigade power generators are produced by us to meet special requirements raised by fire brigade activities. In respect of safety, these power generators comply with the highest standards. We lay emphasis especially on simple operation and functionality of employed parts.

The MAG fire brigade power generator MAG 122 SL with output 5 kVA is built on a frame dimensioned 700x440x580mm. On the same frame, we have mounted a powerful 8 kVA one. This enables a smooth replacement of the 5 kVA fire brigade power generator with the powerful MAG 135 SL without necessity of changes in the vehicle.



Type	MAG 122 SL
Order-No.	MAG122SL-R
Power	5 kVA / 3.000 rpm
Dimensions (lxbxh)	700x440x580 mm
Weight	appr. 99 kg
Noise pegel	96,6 LWA
Protection class	min. IP 44
Tank capacity	6 Litre
Running time	appr. 2 hours
Generator	Synchron
Type	DWG 8,0/5,0-2EE with electr. regulator
Protection class	IP 54
Voltage	3 x 230 V / 1 x 400 V
Voltage stability	+/-1% at 230V / 400V at 3000 rpm +6% / -10%
Frequency	50 Hz
Rated current at 400V	7,3 A
Engine	Briggs&Stratton petrol
Type	9 HP Vanguard / 1-cylinder OHV / 4-cycle
Exhaust standard	2002/88 EG
Equipment	Recoil- and 12V-Electricstarter, ignition lock without battery, petrol tap
Switch box Protection class	min. IP 44
Equipment	1x emergency stop button with acoustic warning 1x insulation monitoring with acoustic warning signal incl. Reset-switch for horn ISO 1x waterproofed alternating current socket CEE 16A/400V IP 68 3x waterproofed protective plug 16A/230V IP 68 1x AC automatic circuit breaker 16A/4-pole 3x AC automatic circuit breaker 16A/2-pole 1x socket 12V for outside supply incl. signal transfer (optional) 1x voltmeter incl. load indicator (illuminated) 1x hourmeter 1x protective conductor institution 1x start-/stop switch

Type	MAG 135 SL
Order-No.	MAG135SL-R
Power	8 kVA / 3.000 rpm
Dimensions (lxbxh)	700x440x580 mm
Weight	appr. 113 kg
Noise pegel	96,8 LWA
Protection class	min. IP 44
Tank capacity	7,5 Litre
Running time	appr. 1,75 hours
Generator	Synchron
Type	DWG 8,0/5,0-2EE with electr. regulator
Protection class	IP 54
Voltage	3 x 230 V / 1 x 400 V
Voltage fluctuation	+/-1% at 230V / 400V at 3000 rpm +6% / -10%
Frequency	50 Hz
Rated current at 400V	11,6 A
Engine	Briggs&Stratton petrol
Type	16 HP Vanguard / 2-cylinder OHV / 4-cycle
Exhaust standard	2002/88 EG
Equipment	Recoil- and 12V-Electricstarter, without battery, petrol tap, oil pressure shut down system
Switch box Protection class	min. IP 44
Equipment	1x emergency stop button with acoustic warning 1x insulation monitoring with acoustic warning signal incl. Reset-switch for horn ISO 1x waterproofed alternating current socket CEE 16A/400V IP68 3x waterproofed protective plug 16A/230V IP 68 1x AC automatic circuit breaker 16A/4-pole 3x AC automatic circuit breaker 16A/2-pole 1x socket 12V for outside supply incl. signal transfer (optional) 1x voltmeter incl. load indicator (illuminated) 1x hourmeter 1x protective conductor institution 1x polarity reversing switch 1x start-/stop switch

The FireCan option is not offered for the MAG fire brigade power generator MAG 122 SL



Available options see page 23 bis 25



Power generator firebrigade



Symbol MAG144SL-R

high output
Top-Design



Symbol MAG155SL-R

Safety of personnel is a program for us. That is why we have mounted the fuel tanks from the bottom side of the power generators starting with the 8 kVA one. The fuel tanks are manufactured of a quality XPE material. For the additional ventilation of the plastic tank we integrate a roll-over valve, which originated in automotive.

A specially developed exhaust gas noise damper provides for a low-noise operation and compliance with the guidelines. Repair and maintenance works can be carried out on the MAG fire brigade power generator without tools. All MAG fire brigade power generators are equipped with insulation monitoring for optical and acoustic warning.



Type	MAG 133 SL	MAG 144 SL	MAG 155 SL
Order-No.	MAG133SL-R	MAG144SL-R	MAG155SL-R
Power	8 kVA / 3.000 rpm	11 kVA / 3.000 rpm	13,6 kVA / 3.000 rpm
Dimensions (lxbxh)	820x440x580 mm		820x440x580 mm
Weight	appr. 145 kg		appr. 147 kg
Noise level	95,8 LWA		96 LWA
Protection class	min. IP 44		min. IP 44
Tank capacity	12 Litre		12 Litre
Running time	appr. 2 hours		appr. 2 hours
Generator	Synchron		Synchron
Type	DWG (BL4) 13/7-EE with electr. regulator/brushless		DWG15,5 with electr. regulator/brushless
Protection class	IP 54		IP 54
Voltage	3 x 230 V / 2 x 400 V		3 x 230 V / 2 x 400 V
Voltage stability	+/-1% at 230V / 400V at 3000 rpm +6% / -10%		+/-1% at 230V / 400V at 3000 rpm +6% / -10%
Frequency	50 Hz		50 Hz
Rated current at 400V	11,6 A	16,3 A	19,3 A
Engine	Briggs&Stratton petrol		Briggs&Stratton petrol
Type	16 HP Vanguard 2-cylinder OHV / 4-cycle	18 HP Vanguard 2-cylinder OHV / 4-cycle	22 HP Vanguard 2-cylinder OHV / 4-cycle
Exhaust standard	2002/88/EG		2002/88/EG
Equipment	Recoil- and 12V-Electricstarter, without battery oil pressure shut down system		Recoil- and 12V-Electricstarter, with battery oil pressure shut down system
Switch box Protection class	min. IP 44		min. IP 44
Equipment	1x emergency stop button with acoustic warning 1x insulation monitoring acoustic warning signal incl. Reset-switch for horn ISO 2x waterproofed alternating current socket CEE16A/400V IP 68 3x waterproofed protective plug 16A/230V IP 68 2x AC automatic circuit breaker 16A/4-pole 3x AC automatic circuit breaker 16A/2-pole 1x socket 12V for outside supply incl. signal transfer (optional) 1x voltmeter incl. load indicator (illuminated) 1x protective conductor institution 1x start-/stop switch 1x Combined instrument with hourmeter and tanc gauge incl. warning LED by 20% fuel rest 1x switch voltmeter 1x polarity reversing switch	1x emergency stop button with acoustic warning 1x insulation monitoring acoustic warning signal incl. Reset-switch for horn ISO 2x waterproofed alternating current socket CEE16A/400V IP 68 3x waterproofed protective plug 16A/230V IP 68 2x AC automatic circuit breaker 16A/4-pole 3x AC automatic circuit breaker 16A/4-pole 1x socket 12V for outside supply incl. signal transfer (optional) 1x voltmeter incl. load indicator (illuminated) 1x protective conductor institution 1x start-/stop switch 1x Combined instrument with hourmeter and tanc gauge incl. Warn-LED by 20% fuel rest 1x switch voltmeter 1x polarity reversing switch	1x genset control incl. LED displays and hourmeter 1x emergency stop button with acoustic warning 1x insulation monitoring acoustic warning signal incl. Reset-switch for horn ISO 2x waterproofed alternating current socket CEE16A/400V IP 68 3x waterproofed protective plug 16A/230V IP 68 2x AC automatic circuit breaker 16A/4-pole 3x AC automatic circuit breaker 16A/2-pole 1x socket 12V for outside supply incl. signal transfer 1x protective conductor institution 1x start-/stop switch 1x polarity reversing switch

options power generator firebrigade

Options:	MAG 122 SL	MAG 133 SL	MAG 135 SL	MAG 144 SL	MAG 155 SL
Refueling garnish without canister	x	x	x	x	x
3-way-valve	Standard	Standard	Standard	Standard	Standard
Insulation monitoring with reset key for ISO hooter	Standard	Standard	Standard	Standard	Standard
Automatic Choker (only with battery)	x	x	x	x	Standard
Remote start incl. automat. Choker (only with battery)	x	x	x	x	x
Remote monitoring (only with battery)	Not available	x	x	x	x
Polarity reversing switch	x	Standard	Standard	Standard	Standard
Battery	x	x	x	x	Standard
Exhaust gas discharge UPWARDS	x	x	x	x	x
Lettering genset foreign language (german / englisch is Standard)	x	x	x	x	x
available special sockets	x	x	x	x	x
Speed reduced SILENT DAS	Not available	x	x	x	x
exhaust hose length 1,5 m / 3,0 m / 4,5 m	x	x	x	x	x
Service kit	x	x	x	x	x
Guarantee extension 2+	x	x	x	x	x
Magnetic charging plug	x	x	x	x	x
Special colour power generator per ® RAL	x	x	x	x	x
Special colour design parts per ® RAL	x	x	x	x	x
FireCan	Not available	x	x	x	x

For the following options product Nos. are included in our price list of the MAG fire brigade power generators! The illustrated options are symbolic pictures and may vary according to each type of the MAG fire brigade power generator.

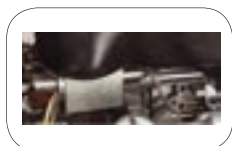
For long time operation without refilling



Fuelling accessories without canister

It is used for operation of the MAG fire brigade power generator from a 20 liter fuel canister and closed with a three-way valve.

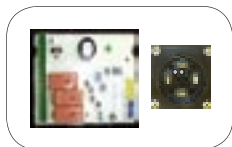
Comfortable start up



Automatic choker

With the automatic choker the MAG fire brigade power generator can be immediately started up (cold or hot) anytime without any hand touch of the choker.

Remote start up

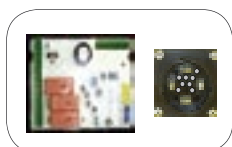


Remote start up including automatic choker (only with the battery)

Enables to start up the MAG fire brigade power generator from a distant place.

It is used for e. g. turntable latter or in vehicles with central control station.

Comfortable start up and monitoring

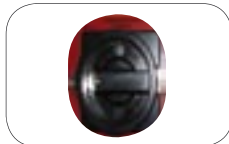


Remote monitoring (only with the battery)

With this option the signals from a distant place are transmitted to the MAG fire brigade power generator (vehicle remote control stand). These signals, such as fuel level, load level of the MAG fire brigade power generator, the emergency/off key pushing, engine operation, general warning, input for external start up command from a SPS,...

options power generator firebrigade

Always have correct rotation direction



Polarity reversing switch

With the pole switch the sense of rotation of 400V CEE socket can be switched from the right to the left without re-connection of extension cable or sockets.

Start up batteries with power



Battery

We offer exclusively trademark batteries which do not need any maintenance.

For special operation conditions



Exhaust gas drainage upwards

The exhaust gas discharge upwards is fixed on the frame of the MAG fire brigade power generator; it is a funnel catching the exhaust gases and letting them out through a metal tube.

In all countries at home



Documentation and labeling in foreign languages

(German/English is applicable as standard)

On request we offer to you the documentation and labeling of our MAG power generator in any language you like.

For all world



Available sockets

We offer you, in accordance with the destination country, the possibility of having the appropriate sockets built on the distribution box and electrically protected.

Low fuel consumption and noise emission



Speed limit device DAS

At this type of operation the fuel consumption and noise emissions are especially low. If the fuel does not flow in, the electronic system recognizes this automatically, the combustion engine runs at low speed. Thus the noise and exhaust gas emissions are reduced.

options power generator firebrigade

Safe drainage of exhaust gases



Exhaust gas pipe

The exhaust gas pipe is fixed with exhaust gas pipe brackets complying with DIN standards (quick-turn closure) and is used for safe drainage of exhaust gases.

Can be supplied in the lengths 1,5m, 3m and 4,5m.

For long service life - original spare parts



Servicekit

The service kit includes all important original spare parts for the engine servicing.

5 year without any problem

After the 3 years of guarantee we offer you or your customers the option of our new product, extension of the guarantee period 2+.

This offers your customers another two years of a well-arranged guarantee.
For the supplied MAG fire brigade power generator we also offer our new product, extension of the guarantee period 2+.

Guarantee extension 2+

This offers you another two well-arranged years of guarantee for your MAG fire brigade power generator.

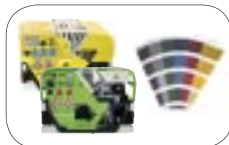
For immediate operation readiness



Magnetic charging socket

With this type of maintenance charging connection you can immediately start operation without disrupting the charging process.

Make your choice of colour as you like



Special colour power generator by ®RAL

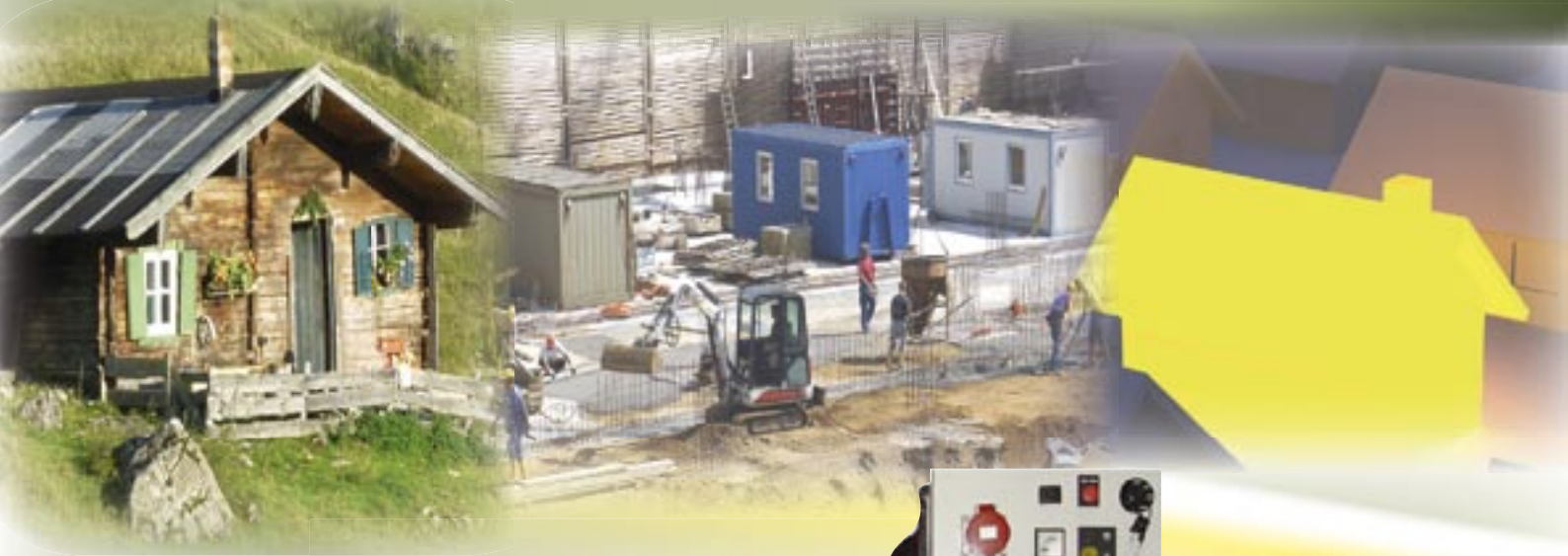
The MAG fire brigade power generators are produced in standard colors RAL 3000 (red) or RAL 2012 (yellow). Moreover, you can have your MAG fire brigade power generator painted on request (as per RAL- color range).



Special parts of colour design by ®RAL

With colour design parts the MAG fire brigade power generators can match modern vehicles very well.

We will be pleased to send you our pamphlets of the MAG fire brigade power generators!



Symbol MAG WR200

MAG power and heat generator line:

MAG power and heat generators are effective especially in areas where there is no EVU (power supplier) and/or where electric power failures are to be taken in account. The MAG power and heat generators can be also used as emergency power generators.

The MAG power and heat generators are designed to consume full electric output can be consumed when there is no heat consumption.

The MAG power and heat generator line means:

- fuel utilization 100% more
- 2 in 1 – power and hot water
- open or super sound-damped version can be supplied
- power and heat supplied at power failure

Possibilities of use: farmed grazing lands, chalets, tradesmen's workshops and in every place where the safe power supply is to be guaranteed,...

MAG WR90/9 kVA

One primary energy - double benefit

The world of MAG current and heat generators starts with the 9 kVA electric output and possible 10 kW heat output.

The smallest MAG current and heat generators are particularly ideal for single-family houses and smaller buildings.



Type	MAG WR90		
Order-No.	MAG-WR-90.02	Warm water supply	
Electrical power output	9 kVA (7,0 kW) continuous output cos phi 0,8		3 x thermostat for warm water regulation
Thermal power output	10 kW +/-5% by full load		3 x valves for warm water regulation
Dimensions (lxbxh)	1500 x 900 x 1400 mm		1 x compensation vessel
Weight	appr. 400 kg		1 x 1"-connecting hose for advance flow
Noise level*)	79,3 db(A) at 1 meter		1 x 1"-connecting hose for return flow
Protection type	min. IP 23	Heat exchanger	1 x Danfoss heat exchanger XB isolated
Tank capacity	30 Litre	Power	17,2 kW
Running time	appr. 10,7 hours at full load	Volume flow	1,681 m³/h warm - 1,006 m³/h cold
Generator	Synchron with electronic governor	Pressure low	13,6 kPa warm - 3,9 kPa cold
Type	SK 160 CA - brushless, Including voltage regulator	Flow velocity	1,0 m/s warm - 0,6 m/s cold (connections)
Protection type	IP 23	No. of plates	7 pcs warm - 8 pcs cold
Voltage	230V/400V	Content of water	0,71 ltr warm - 0,82 ltr cold
Voltage fluctuation	+/-2% by 230V/400V at 1.500 rpm	Max. running pressure	25 bar warm and cold
Frequency	50 Hz	Flow medium warm	Äthylenglykol 50%
Rated current at 400V	13,1 A	Flow medium cold	Water
Engine	Kubota 3-cylinder / 4-cycle / diesel		
Type	D1105-BG		
Exhaust standard	-		
Equipment	12V-electric starter, oilpressure and water temperature warning system		
Switch box			
Protection class	min. IP 44		
Equipment	1 x emergency stop button, 1 x start switch, 1 x FI-switch, 1 x hourmeter, 1 x voltmeter, 1 x engine circuit breaker 1 x three-phase current socket CEE 16A/400V, 1 x protection contact socket 16A/230V 1 x AC automatic circuit breaker 16A / 4-pole 1 x AC automatic circuit breaker 16A / 2-pole 2 x warning lamp for oilpressure and watertemperature 1 x loading control lamp 1 x preheating lamp		

*) sound intensity value of the engine at full load

Available options:

SuperSilent anti-noise cover
Remote starting equipment
Service set
Automatic system for power failure
Special colour according to RAL
1x CEE 400V/16A socket with 16A 4-pole fuse automation
1x CEE 230V/16A socket with 16A 2-pole fuse automation

Order-No:

MAG-WR-90-SCH
MAG-WR-90-FS
MAG-WR-90-SERV
MAG-WR-90-NA
MAG-WR-90-SF
MAG-WR-90-416
MAG-WR-90-216

Fuel utilisation increased by 100%



MAG WR150/15 kVA One primary energy - double benefit with electronically controlled diesel engine

The MAG current and heat generators with 15 kVA electric output and possible 14 kW heat output can supply current and hot water to smaller and medium-sized buildings.

The combustion engine has electronically controlled revolutions, which ensures high frequency stability.



Type	MAG WR 150		
Order-No.	MAG-WR-150	Warm water supply	1 x Danfoss heat exchanger XB isolated
Electrical power output	15 kVA (12 kW) continuous output cos phi 0,8		3 x thermostat for warm water regulation
Thermal power output	14 kW +/-5% by full load		3 x valves for warm water regulation
Dimensions (lxbxh)	1500 x 900 x 1400 mm		1 x compensation vessel
Weight	appr. 450 kg		1 x 1"-connecting hose for advance flow
Noise level*)	81,4 db(A) at 1 meter		1 x 1"-connecting hose for return flow
Protection type	min. IP 23	Heat exchanger	
Tank capacity	30 Litre	Power	17,2 kW
Running time	appr. 8,1 hours at full load	Volume flow	1,681 m³/h warm - 1,006 m³/h cold
Generator	Synchron with electronic governor	Pressure low	13,6 kPa warm - 3,9 kPa cold
Type	HB4CAR - brushless, Including voltage regulator	Flow velocity	1,0 m/s warm - 0,6 m/s cold (connections)
Protection type	IP 23	No. of plates	7 pcs warm - 8 pcs cold
Voltage	230V / 400V	Content of water	0,71 ltr warm - 0,82 ltr cold
Voltage fluctuation	+/-2% by 230V/400V at 1.500 rpm	Max. running pressure	25 bar warm and cold
Frequency	50 Hz	Flow medium warm	Äthylenglykol 50%
Rated current at 400V	21,8 A	Flow medium cold	Water
Engine	Kubota 3-cylinder / 4-cycle / diesel		
Type	D1703-M-BG		
Exhaust standard	EU 97/68 step 2		
Equipment	12V-electric starter, oilpressure and water temperature warning system		
Switch box			
Protection class	min. IP 44		
Equipment	1 x emergency stop button, 1 x start switch, 1 x FI-switch, 1 x hourmeter, 1 x voltmeter, 1 x engine circuit breaker 1 x three-phase current socket CEE 32A/400V, 1 x protection contact socket 16A/230V 1 x AC automatic circuit breaker 32A / 3-pole with neutral wire 1 x AC automatic circuit breaker 16A / 1-pole with neutral wire 2 x warning lamp for oilpressure and watertemperature 1 x loading control lamp 1 x preheating lamp		

*) sound intensity value of the engine at full load

Available options:

SuperSilent anti-noise cover
Remote starting equipment
Service set
Automatic system for power failure
Special colour according to RAL
1x CEE 400V/16A socket with 16A/ 4-pole fuse automation
1x CEE 230V/16A socket with 16A 2-pole fuse automation

Order-No:

MAG-WR-150-SCH
MAG-WR-150-FS
MAG-WR-150-SERV
MAG-WR-150-NA
MAG-WR-150-SF
MAG-WR-150-416
MAG-WR-150-216

Open or very high noise reduction design



MAG WR200/20 kVA One primary energy - double benefit with electronically controlled diesel engine

The MAG current and heat generators with 20 kVA electric output and possible 20 kW heat output can supply current and hot water to medium-sized buildings.

The combustion engine has electronically controlled revolutions, which ensures high frequency stability.



Type	MAG WR 200		
Order-No.	MAG-WR-200	Warm water supply	1 x Danfoss heat exchanger XB isolated
Electrical power output	20 kVA (16 kW) continuous output cos phi 0,8		3 x thermostat for warm water regulation
Thermal power output	17 W +/-5% by full load		3 x valves for warm water regulation
Dimensions (lxbxh)	1500 x 900 x 1400 mm		1 x compensation vessel
Weight	appr. 550 kg		1 x 1"-connecting hose for advance flow
Noise level*)	82,1 db(A) at 1 meter		1 x 1"-connecting hose for return flow
Protection type	min. IP 23	Heat exchanger	
Tank capacity	30 Litre	Power	24,6 kW
Running time	appr. 6,5 hours at full load	Volume flow	2,401 m³/h warm - 1,437 m³/h cold
Generator	Synchron with electronic governor	Pressure low	10,8 kPa warm - 3,5 kPa cold
Type	HB4CAR - brushless, Including voltage regulator	Flow velocity	1,4 m/s warm - 0,8 m/s cold (connections)
Protection type	IP 23	No. of plates	12 pcs warm - 13 pcs cold
Voltage	230V/400V	Content of water	1,22 ltr warm - 1,33 ltr cold
Voltage fluctuation	+/-2% by 230V/400V at 1.500 rpm	Max. running pressure	25 bar warm and cold
Frequency	50 Hz	Flow medium warm	Äthylenglykol 50%
Rated current at 400V	29 A	Flow medium cold	Water
Engine	Kubota 4-cylinder / 4-cycle / diesel		
Type	V2203-M-BG		
Exhaust standard	EU97/68 step 2		
Equipment	12V-electric starter, oilpressure and water temperature warning system		
Switch box			
Protection class	min. IP 44		
Equipment	1 x emergency stop button, 1 x start switch, 1 x FI-switch, 1 x hourmeter, 1 x voltmeter, 1 x engine circuit breaker 1 x three-phase current socket CEE 32A/400V, 1 x protection contact socket 16A/230V 1 x AC automatic circuit breaker 32A / 3-pole with neutral wire 1 x AC automatic circuit breaker 16A / 1-pole with neutral wire 2 x warning lamp for oilpressure and watertemperature 1 x loading control lamp 1 x preheating lamp		

*) sound intensity value of the engine at full load

Available options:

SuperSilent anti-noise cover
Remote starting equipment
Service set
Automatic system for power failure
Special colour according to RAL
1x CEE 400V/16A socket with 16A 4-pole fuse automation
1x CEE 230V/16A socket with 16A 2-pole fuse automation

Order-No:

MAG-WR-200-SCH
MAG-WR-200-FS
MAG-WR-200-SERV
MAG-WR-200-NA
MAG-WR-200-SF
MAG-WR-200-416
MAG-WR-200-216

Make 2 from 1 – Electric current and hot water



MAG WR300/30 kVA One primary energy - double benefit

The MAG current and heat generators with 30 kVA electric output and possible 32 kW heat output can supply current and hot water to medium-sized and bigger buildings.



Type	MAG WR 300		
Order-No.	MAG-WR-300	Warm water supply	1 x Danfoss heat exchanger XB isolated
Electrical power output	30 kVA (24 kW) continuous output cos phi 0,8		3 x thermostat for warm water regulation
Thermal power output	32 kW +/-5% by full load		3 x valves for warm water regulation
Dimensions (lxbxh)	1500 x 900 x 1400 mm		1 x compensation vessel
Weight	appr. 670 kg		1 x 1"-connecting hose for advance flow
Noise level*)	85,6 db(A) at 1 meter		1 x 1"-connecting hose for return flow
Protection type	min. IP 23	Heat exchanger	
Tank capacity	30 Litre	Power	44,6 kW
Running time	appr. 3,75 hours at full load	Volume flow	2,999 m³/h warm - 2,603 m³/h cold
Generator	Synchron with electronic governor	Pressure low	12,6 kPa warm - 7,9 kPa cold
Type	IB4MA- brushless, Including voltage regulator	Flow velocity	1,7 m/s warm - 1,5 m/s cold (connections)
Protection type	IP 23	No. of plates	14 pcs warm - 15 pcs cold
Voltage	230V/400V	Content of water	1,43 ltr warm - 1,53 ltr cold
Voltage stability	+/-2% by 230V/400V at 1.500 rpm	Max. running pressure	25 bar warm and cold
Frequency	50 Hz	Flow medium warm	Äthylenglykol 50%
Rated current at 400V	43,5 A	Flow medium cold	Water
Engine	Kubota 4-cylinder / 4-cycle / diesel		
Type	V3300-E2-BG		
Exhaust standard	EU 97/68 step 2		
Equipment	12V-electric starter, oilpressure and water temperature warning system		
Switch box			
Protection class	min. IP 44		
Equipment	1 x emergency stop button, 1 x start switch, 1 x FI-switch, 1 x hourmeter, 1 x voltmeter, 1 x engine circuit breaker 1 x three-phase current socket CEE 63A/400V, 1 x protection contact socket 16A/230V 1 x AC automatic circuit breaker 63A / 3-pole with neutral wire 1 x AC automatic circuit breaker 16A / 1-pole with neutral wire 2 x warning lamp for oilpressure and watertemperature 1 x loading control lamp 1 x preheating lamp		

*) sound intensity value of the engine at full load

Available options:

- SuperSilent anti-noise cover
- Remote starting equipment
- Service set
- Automatic system for power failure
- Special colour according to RAL
- 1x CEE 400V/16A socket with 16A 3+N fuse automation
- 1x CEE 400V/32A socket with 32A 4-pole fuse automation
- 1x CEE 230V/16A socket with 16A 2-pole fuse automation

Order-No:

- MAG-WR-300-SCH
- MAG-WR-300-FS
- MAG-WR-300-SERV
- MAG-WR-300-NA
- MAG-WR-300-SF
- MAG-WR-300-416
- MAG-WR-300-432
- MAG-WR-300-216

Away from the system – independence and comfort



MAG WR350/35 kVA One primary energy - double benefit

The MAG current and heat generators with 35 kVA electric output and possible 37 kW heat output can supply current and hot water to bigger buildings.



Type	MAG WR 350		
Order-No.	MAG-WR-350	Warm water supply	1 x Danfoss heat exchanger XB isolated
Electrical power output	35 kVA (28 kW) continuous output cos phi 0,8		3 x thermostat for warm water regulation
Thermal power output	37 kW +/-5% by full load		3 x valves for warm water regulation
Dimensions (lxbxh)	1500 x 900 x 1400 mm		1 x compensation vessel
Weight	appr. 680 kg		1 x 1"-connecting hose for advance flow
Noise level*)	86,3 db(A) at 1 meter		1 x 1"-connecting hose for return flow
Protection type	min. IP 23	Heat exchanger	
Tank capacity	30 Litre	Power	44,6 kW
Running time	appr. 3,3 hours at full load	Volume flow	2,999 m³/h warm - 2,603 m³/h cold
Generator	Synchron with electronic governor	Pressure low	12,6 kPa warm - 7,9 kPa cold
Type	IB4MA - brushless, Including voltage regulator	Flow velocity	1,7 m/s warm - 1,5 m/s cold (connections)
Protection type	IP 23	No. of plates	14 pcs warm - 15 pcs cold
Voltage	230V/400V	Content of water	1,43 ltr warm - 1,53 ltr cold
Voltage stability	+/-2% by 230V/400V at 1.500 rpm	Max. running pressure	25 bar warm and cold
Frequency	50 Hz	Flow medium warm	Äthylenglykol 50%
Rated current at 400V	50,8 A	Flow medium cold	Water
Engine	Kubota 4-cylinder / 4-cycle / diesel		
Type	V3300-T-E2-BG		
Exhaust standard	EU 97/68 step 2		
Equipment	12V-electric starter, oilpressure and water temperature warning system		
Switch box			
Protection class	min. IP 44		
Equipment	1 x emergency stop button, 1 x start switch, 1x FI-switch, 1 x hourmeter, 1 x voltmeter, 1 x engine circuit breaker 1 x three-phase current socket CEE 63A/400V, 1x protection contact socket 16A/230V 1 x AC automatic circuit breaker 63A / 3-pole with neutral wire 1 x AC automatic circuit breaker 16A / 1-pole with neutral wire 2 x warning lamp for oilpressure and watertemperature 1 x loading control lamp 1 x preheating lamp		

*) sound intensity value of the engine at full load

Available options:

- SuperSilent anti-noise cover
- Remote starting equipment
- Service set
- Automatic system for power failure
- Special colour according to RAL
- 1x CEE 400V/16A socket with 16A 3+N fuse automation
- 1x CEE 400V/32A socket with 32A 4-pole fuse automation
- 1x CEE 230V/16A socket with 16A 2-pole fuse automation

Order-No:

- MAG-WR-300-SCH
- MAG-WR-300-FS
- MAG-WR-300-SERV
- MAG-WR-300-NA
- MAG-WR-300-SF
- MAG-WR-300-416
- MAG-WR-300-432
- MAG-WR-300-216

Supplied by power and heat in case of power failure

Options

One primary energy - double benefit

Less noise – higher comfort for you and your environment



SuperSilent anti-noise cover

Compared to the open design, the anti-noise cover reduces the given noise level by at least 8 dB(A).

To reach this, we use special 40mm thick damping mats and a special design resulting from many years of our experience.

Peace for you and your environment will be achieved with the anti-noise cover.

Remote manual or external signal-based starting



Remote starting equipment

Remote starting of your current and heat generator via cable from a station 25 metres away. Your current and heat generator can also be automatically started and stopped by signal, e.g. when the temperature in the buffer reservoir is too low. Wireless or GSM starting upon request. Use this feature to have a warm home upon your arrival.

For long service life – original service parts



Service set

Meeting the service intervals specified by us extends the life of your current and heat generator. We have prepared a set with original service parts covering three service intervals. This saves transport costs.

The set comprises:

- 1 piece of air filter
- 3 pcs of fuel filters
- 3 pcs of oil filters
- 3 pcs of filters to water separator
- 1 piece of thermostat
- 1 piece of valve cover gaskets

Options

One primary energy - double benefit

Starts up even when you are not at home



Automatic system for power failure

This is controlled by the network. If the network fails, the MAG current and heat generator is started up and its appliances, being unplugged, are supplied with current again. After network recovery, the MAG current and heat generator is switched off again. The automatic system for power failure further includes current, voltage and frequency indicators. engine control, e.g. oil pressure, water temperature and charging check, is also included. To this option you must order the battery charger part-No. SL1500-19 (page 19).

Additional sockets for more machines



Additional sockets

It is useful to have additional sockets. Therefore, we offer the possibility to fit other secured sockets meeting CEE on the switchboard.

Select the colour of your choice



Special colour according to RAL

The frame and anti-noise cover constructional parts have been designed in high-quality steel sheet. The surfaces have been degreased and pre-processed and fitted with plastic paint to achieve the best results possible.

From the broad range of colours you can choose up to two colour shades and use them as you wish to colour the frame and the anti-noise cover.

The order-no for our options you will find by the corresponding current and heat generator types.

Power generator TB

MAG



Symbol MAG-TB1700

silent
lightweight
robust
innovative

MAG TB power generator line:

Due to multiple-conducted cold air stream, large air filter, exhaust pipe and sound-damped cover we call this TB power generator a whispering aggregate. The operation control with a one-hand switch is very simple.

The MAG TB power generator line means:

silent
robust
lightweight
economical

Possibilities of use: for multiple use in the garden, for camping, shows, in commanders' vehicles,...

Power generator TB



700 VA
Symbol MAG-TB1100

silent - lightweight
economical



1400 VA
Symbol MAG-TB1700

Simple maintenance through quickly removable side covers is guaranteed. The built-in fuel tank with a cover means an operation time of 4 - 4,3 hours at full power consumption dependent on the type.

The patented inverter management offers frequency fluctuation under 1% and voltage fluctuation under 3%. Thus the MAG-TB1700 is most suitable for operation of computers and other appliances with high voltage demand.



Type	MAG TB1100	
Order-No.	MAG-TB1100	
Dimensions (lxbxh)	490x295x445 mm	
Weight	25 kg dry	
Generator		
Type	brushless, self-exciting, one phase, 2-poles	
Alternating current frequency	50 Hz	
Alternating current voltage	230 V	
Alternating current recommended output	700 VA	
Alternating current max. output	850 VA	
Direct current	12 V - 8,3 A	
Power factor	1,0	
Overload protection	circuit breaker	
Sound pressure level (dB(A) - 7m)	56	59
Engine	Robin	
Model	EH09-2	
Type	air-cooled 4 stroke OHV gasoline engine	
Displacement	85,8 ccm	
Fuel	lead-free fuel	
Fuel tank capacity	4,0 Litre	
Operation time at recommended input	4,3	4,2
Starter	Reverse starter	
Equipment	direct current connection cable lacking oil switch-off	

Type	MAG TB1700	
Order-No.	MAG-TB1700	
Dimensions (lxbxh)	490x295x445 mm	
Weight	20,5 kg dry	
generator		
Type	Inverter	
Alternating current frequency	50 Hz	
Alternating current voltage	230 V	
Alternating current recommended output	1400 VA	
Alternating current max. output	1650 VA	
Direct current	12 V - 8,3 A	
Power factor	1,0	
Overload protection	electrical interrupter	
Sound pressure level (dB(A) - 7m)	56	59
Engine	Robin	
Model	EH09-2	
Typ	air-cooled 4 stroke OHV gasoline engine	
Displacement	85,8 ccm	
Fuel	lead-free fuel	
Fuel tank capacity	4,0 Litre	
Operation time at recommended input	4,0	
Starter	Reverse starter	
Equipment	automatical speed reduction direct current connection cable Inverter-Management circuit breaker lacking oil switch off	



Removable side covers for non-complicated maintenance





Inverter-Management

Simple operation by means of one-hand switch



PTO generators

MAG



Low speed 1.500 rpm
4 pole generators
Protection class IP 44
with AVR-regulator
Insulation monitoring
Voltage monitoring

Symbol MAG-T180

MAG power take-off (PTO) generators with IP 44 protection class:

The MAG PTO generators are solutions of power supply for agriculture and forestry. The MAG PTO generators are suitable for power supply of all technical devices, which are used in this area, such as cooling equipment, milking machines. The PTO generators are driven by a standard PTO connection of 540 rpm by means of a cardan shaft. The PTO generator with 3 point suspension is incorporated in the driving vehicle.

The MAG PTO generators means:

- simple operation
- high voltage stability through AVR regulator
- your safety through protective separation by ISO monitoring equipment
- long service life as a result of low speed

Possibilities of use: power supply in agriculture and forestry, milking machines, cooling devices, pumps, communal, landscape and garden building,...

PTO generators



IP 44 protection class
simple operation

maximal output with
highest safety level

Our PTO generators comply with the highest safety requirements. As a result of protective separation with insulation monitoring the grounding spike is not needed anymore.



Order-No.	Output kVA at 400 V	Output kVA at 230 V	Gears	Necessary driving output kW	Tractor output PS	PTO speed *)	Cardan shaft mm **)	Cardan shaft output **)	Weight kg
MAG-T148	14,8	5,9	1:3,5	14,3	29	430	471	27	180
MAG-T180	18,0	7,2	1:3,5	17,3	35	430	570	32	192
MAG-T225	22,5	9	1:3,5	21,6	44	430	711	40	208
MAG-T270	27,0	10,8	1:3,5	25,8	53	430	850	48	230
MAG-T324	32,4	13	1:3,5	30,1	61	430	991	56	248
MAG-T378	37,8	15,1	1:3,5	35,1	72	430	1155	65	261
MAG-T450	45,0	18	1:3,5	40,5	83	430	1333	75	301
MAG-T567	56,7	22,7	1:3,8	51,4	105	400	1841	104	339
MAG-T675	67,5	27	1:3,8	60,7	124	400	2175	123	366
MAG-T810	81,0	32,4	1:3,8	72,2	147	400	2587	146	386

*) this is the speed, which must be set up to achieve the frequency 50 Hz.

**) the stated data for using the right cardan shaft relate to the speed 540 rpm.

For your protection:



The electric circuit breakers are thermically switched off. At a short circuit, a magnetic switch-on occur within 0,2 seconds.



With the high quality insulation monitoring you do not need to ground your PTO generator.



The undervoltage monitoring protects your appliances against possible damage.



The circuit breaker switches the power off when a failure is announced by an undervoltage relay or by the insulation monitoring.

We will be pleased to send you our MAG PTO generator pamphlet on your request!



Symbol 50 kVA Genset



MAG hydraulic aggregate with the latest exhaust gas filter. For use in construction of railway tunnels the sound protection hood is functionally adjusted to the tunnel profile.



MAG direct current generator for charging aircraft batteries.

MAG Customer:

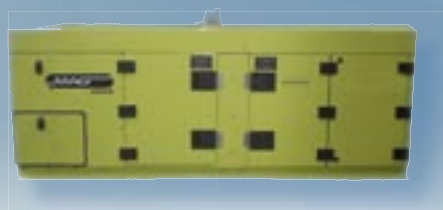
For our customers we develop and manufacture the power supply devices, which cannot be started up with standard aggregates.

We use diesel or gasoline engines as a drive of hydraulic pumps, compressors and generators. A simultaneous drive is also possible, e. g. hydraulic pumps and generators. Thus the hydraulic-based motions (crane, hydraulic cylinder) and at the same time electric appliances can be supplied with power effectively and independent of place.

Examples of the MAG Customer:

- Battery charging aggregates for aircraft
- Power generator for integration in a container
- Hydraulic aggregates for vehicle drives and lifting devices
- Power generator with special exhaust gas cleaning systems for tunnel construction

MAG power generator 20 kVA - IP 54 protection class with special air intake technology suitable for operation to -40°C. A flat type for underground installation.



Power generator NG-LPG

MAG

Natural and liquid gas



Symbol power generator with natural gas engine

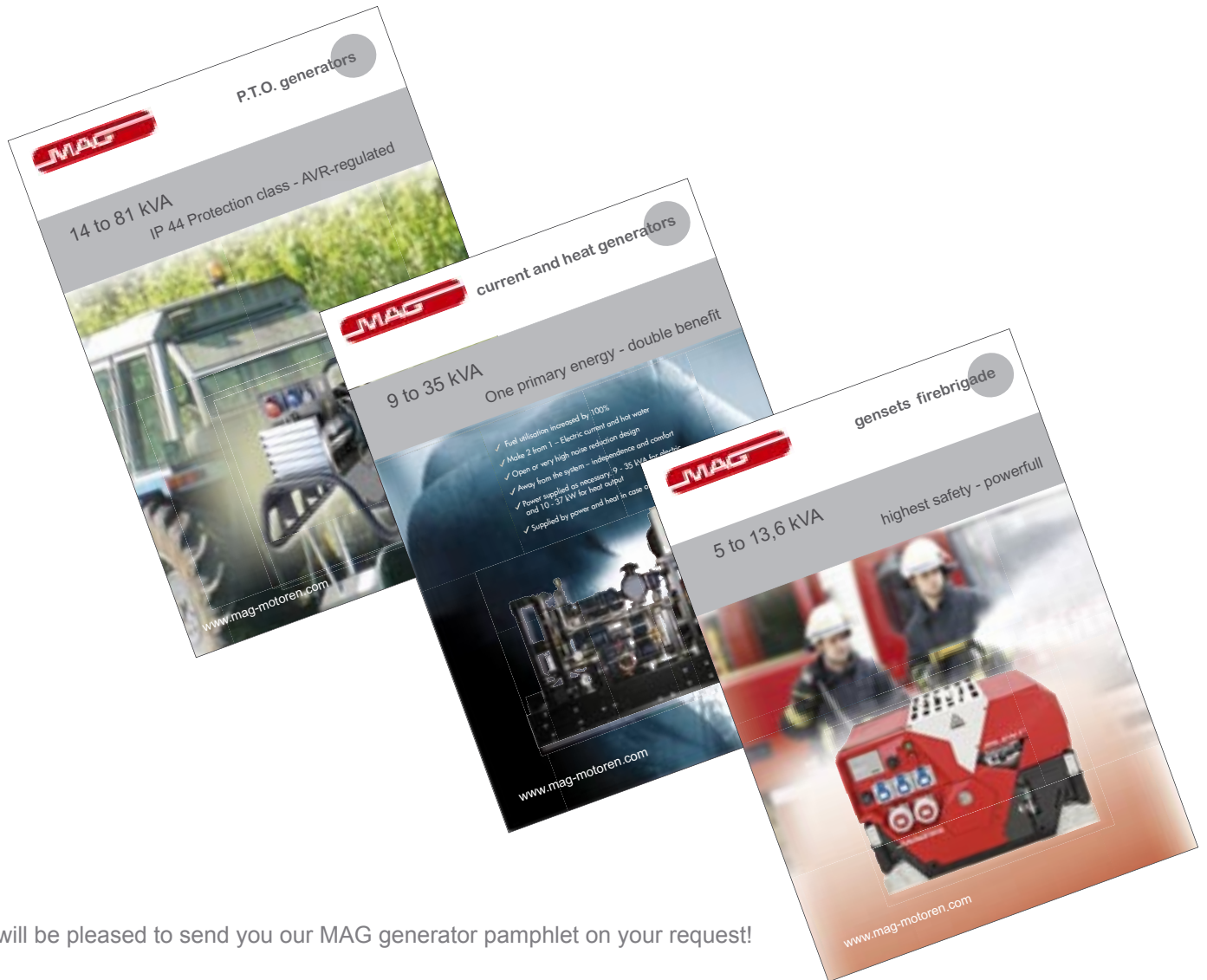
MAG NG-LPG power generator:

Combustion engine supply with natural and liquid gas is winning more and more attractivity. Engines driven by means of burning natural and liquid gas are maximally environment-friendly. Use of natural and liquid gases as fuels markedly extends the engine service life because there are no harmful combustion products

MAG NG-LPG power generators mean:

- Low noise level
- Slight wear and tear
- Suitability for long time operation
- Environment-friendly

**We are pleased to offer you the MAG NG-LPG
Power generators 6 kVA - 20 kVA on request.**



We will be pleased to send you our MAG generator pamphlet on your request!

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