Power Generating Set - Systems

Program with clean energy

EISEMANN

MG

Made in Germany

EISEMANN

Manufacturer

The "Metallwarenfabrik Gemmingen GmbH" manufactures components for electric machines, generators and power generating systems in three factories. It was founded in the year 1961. The production of pressed and pressure-die cast parts for the electric industry was started in the same year. After a short period of time, the manufacture of complete IEC standard engine types and the development of complete problem solutions for the electric motor production was started.

In 1981 a new production branch was developed: the manufacture of power generating sets, driven by petrol or diesel engines.

Due to political and economical changes, and the opening of markets in Eastern Europe in the early 90s, a new company was founded in Hungary for the production of pressure-die cast parts. In 1998 the power generator business was taken over from Robert Bosch GmbH and consequently the product line was again called by its original market name „Eisemann".From construction to manufacture, our staff of approximately 300 persons renders the best possible service, appreciated throughout the world. Everything comes from one hand. Latest production techniques, storage and communication technologies enable quick delivery of all parts. Everything is involving the topic production of energy. A special field, in wich we are specialized since years. That means a lot of experience which can be applied to new developments.

Know-how

Due to this experience, the advice of Eisemann specialists is internationally acknowledged in the field of generator construction for complex special products as well as complex military applications. The high requirements to the product, the multiple problem solutions elaborated by Eisemann engineers and technicians have a great effect on serial developments.
Experience and knowledge, constructive ideas and practice-orientated research are put into the product types development which stands on the highest level and which is providing reliable services.

Quality

The high requirements internationally connected with "Made in Germany still serve Eisemann as a challenge for best performance. The highest task here is to provide the best quality possible. Eisemann power generators pass many quality checks during manufacture. The components have to pass the hardest functional tests on modern test standards. The system of quality provision is based on the standard ISO 9002. Such a guarantee can only be given by a manufacturer who by its thorough workmanship and emphasis on good quality in the production process ensures reliable functionality of their product range.
Should any defect occur nevertheless, our network of workshops will solve the problem as quickly as possible.

Service

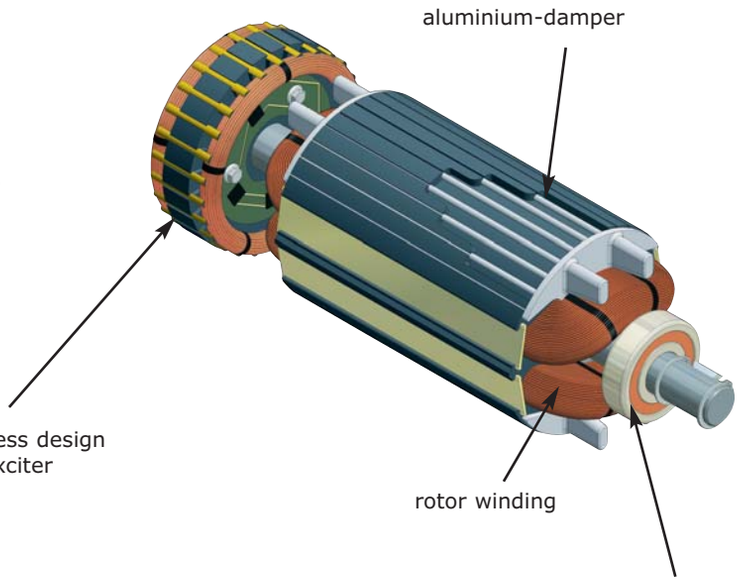
You can only purchase Eisemann power generators from our authorised special dealerships. They are your competent contact partner for purchase and service. You will find that like no other manufacturer of power generators, we try very hard to ensure that you obtain a generator that exactly meets your individual needs. During the guarantee period, the Eisemann authorised dealership is at your disposal for maintenance and fault elimination should this occur. This Eisemann dealership will make every effort to repair your generator as quickly as possible and without any problems, so that your machine will work proper very quick again.

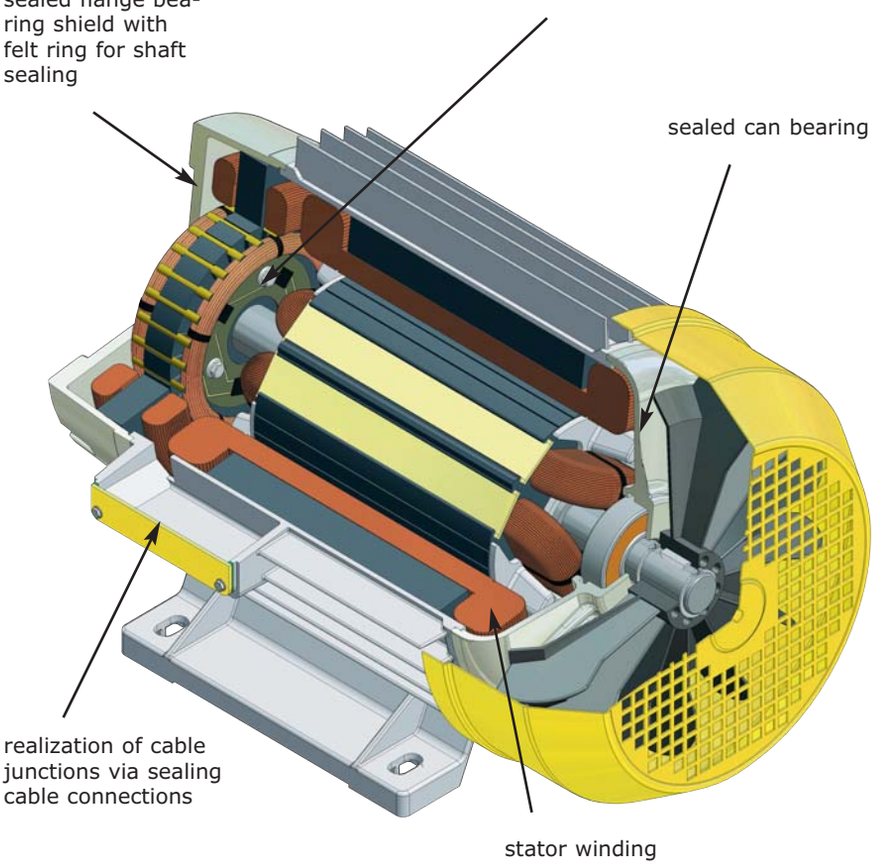
Table of contents

The gensets can be subdivided into five construction types.
These types offer you an extensive program within the power range of 2.2 kVA to 15 kVA.

Maintenance-free EISEMANN synchronous generator safety class IP 54

Advantages:
- practically no wear due to its brushless design
- generator heats less due to little energizing current
- no dangerous voltage superelevation of slightly loaded phases with single-phase load (so-called slant load)
- thus, it is possible to achieve a considerably higher single-phase performance
- very constant voltage due to a modern digital generator control unit
- safety class IP 54





Disadvantages:
- none

Available for:

HIGH PROTECTION:	H2901; H4401; H4401E; H5400; H5400E; H7400; H7400E; H10000; H10000E; H13000E; H6400D; H6400DE
TOPLINE:	T13000E; T14000E

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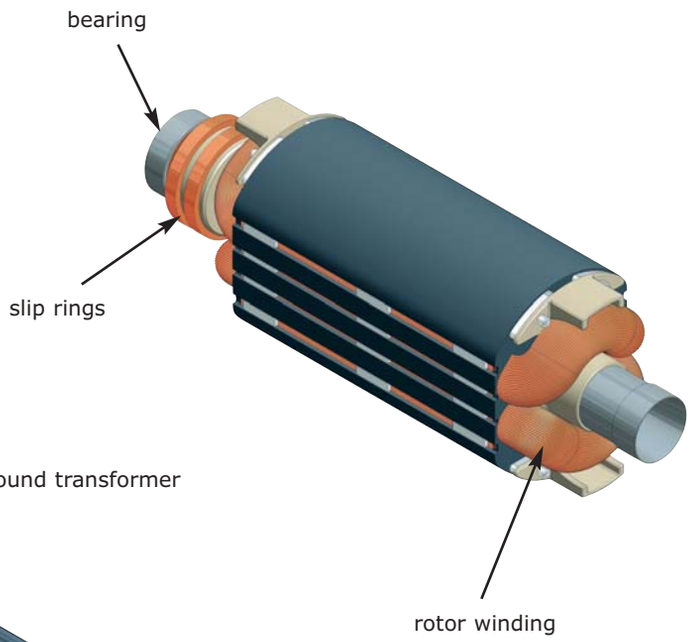
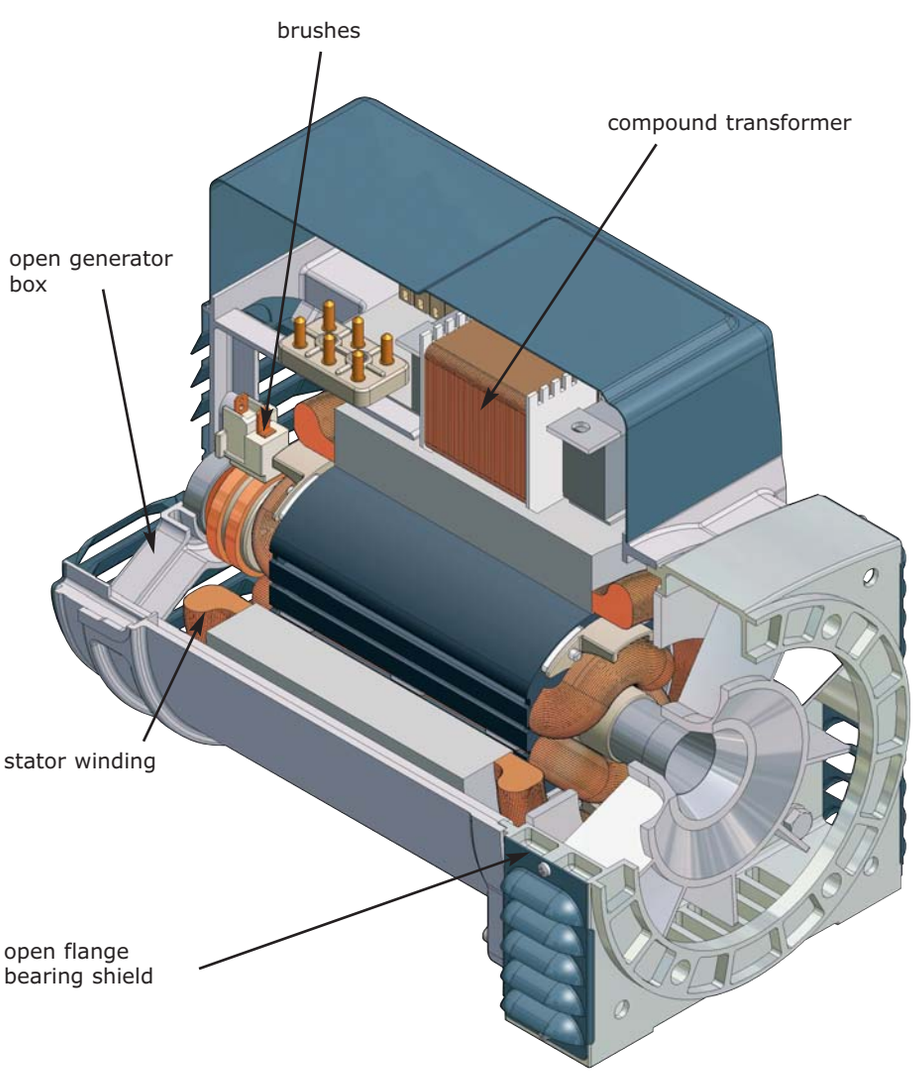
Compound generator with slip ring operation safety class IP 23

Advantages:
- simple construction
- no electronic elements, due to unregulated system
- high starting power





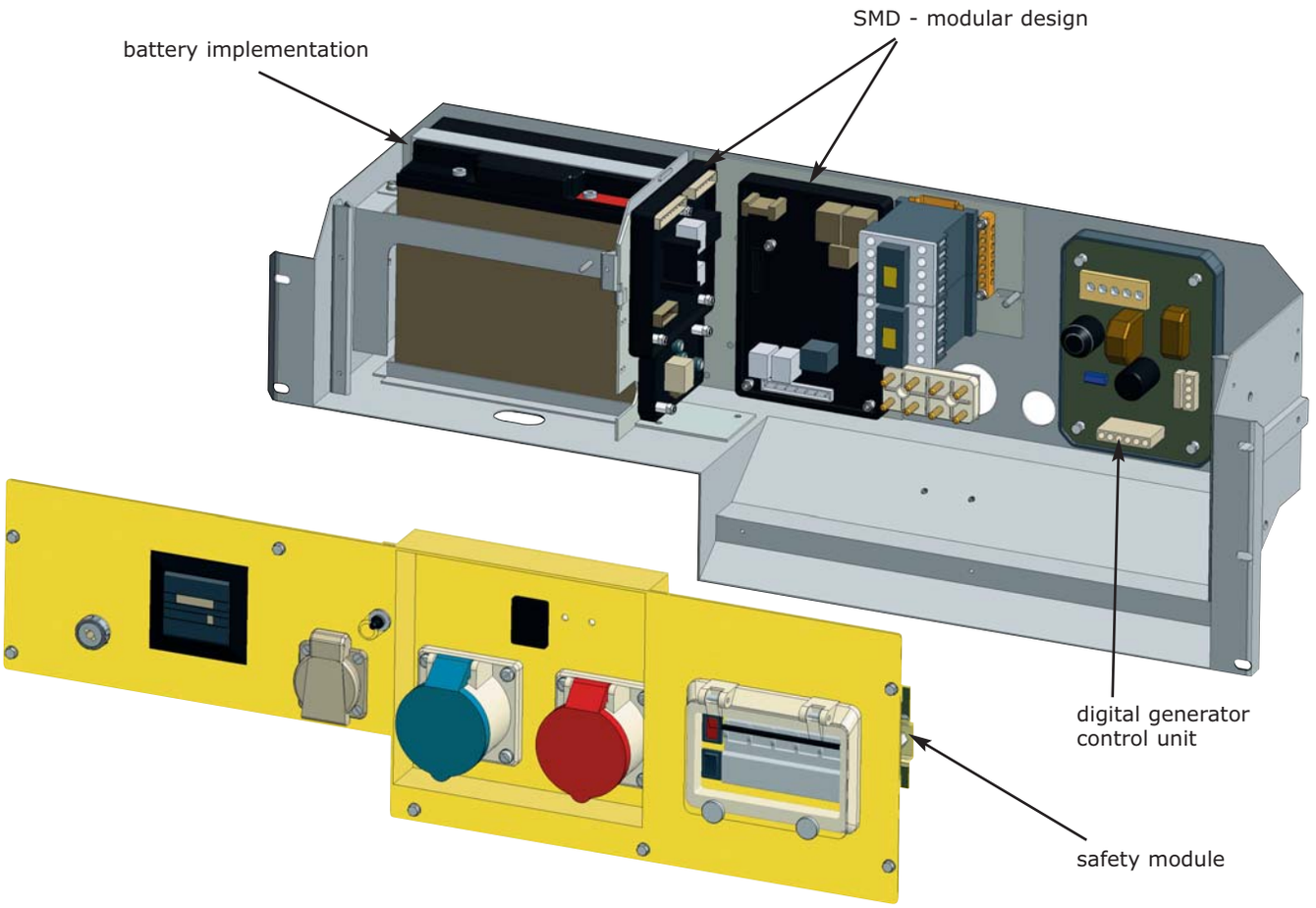
Disadvantages:
- maintenance of the brushes after 1000 operating hours due to open safety class (higher pollution degree)
- possible voltage superelevation of slightly loaded phases with single-phase load (so-called slant load)
- safety class IP 23

Available for:

PROFILINE:	P4401; P4401E; P7401; P7401E; P10001E; P2401D; P4401D
WELDING:	S6400; S6400E; S6401; S6401E; S10000E;
ECOLINE:	E4401; E5400; E7400

EISEMANN

Solid German Production



Individual problem solutions with love for the detail

Our department for development and constructions profits from its immediate contact, its on-site production experience and its close customer contacts via our worldwide dealership network. Thus, well-founded developments meeting the given requirements establish themselves. These have been designed by experienced specialists and provide reliable services every time they are used.
The gensets of the construction types „HIGH PROTECTION" und „PROFILINE" provide considerably more alternative current than others of type 7400. Eisemann power generators may thus also operate appliances for which customary aggregates prove to be insufficient.

Quality and reliabiliy

By manufacturing our own stator- and rotor packages, making use of special dynamo sheet qualities, various heat treatment processes or the development of special nutgeometries and our own algraph cast production, Eisemann succeeded in manufacturing special high performance generators in synchronous design with safety class IP 54.
Thanks to a highly efficient assembly in Germany and the use of kanban-components, top efficiency products are developed that have no equals on the power generator market.

Operating safety

- Safe battery implementation into the switch box.
  The battery is thus protected from mechanic damage during operation and transport. Accidental short-circuit is also impossible.

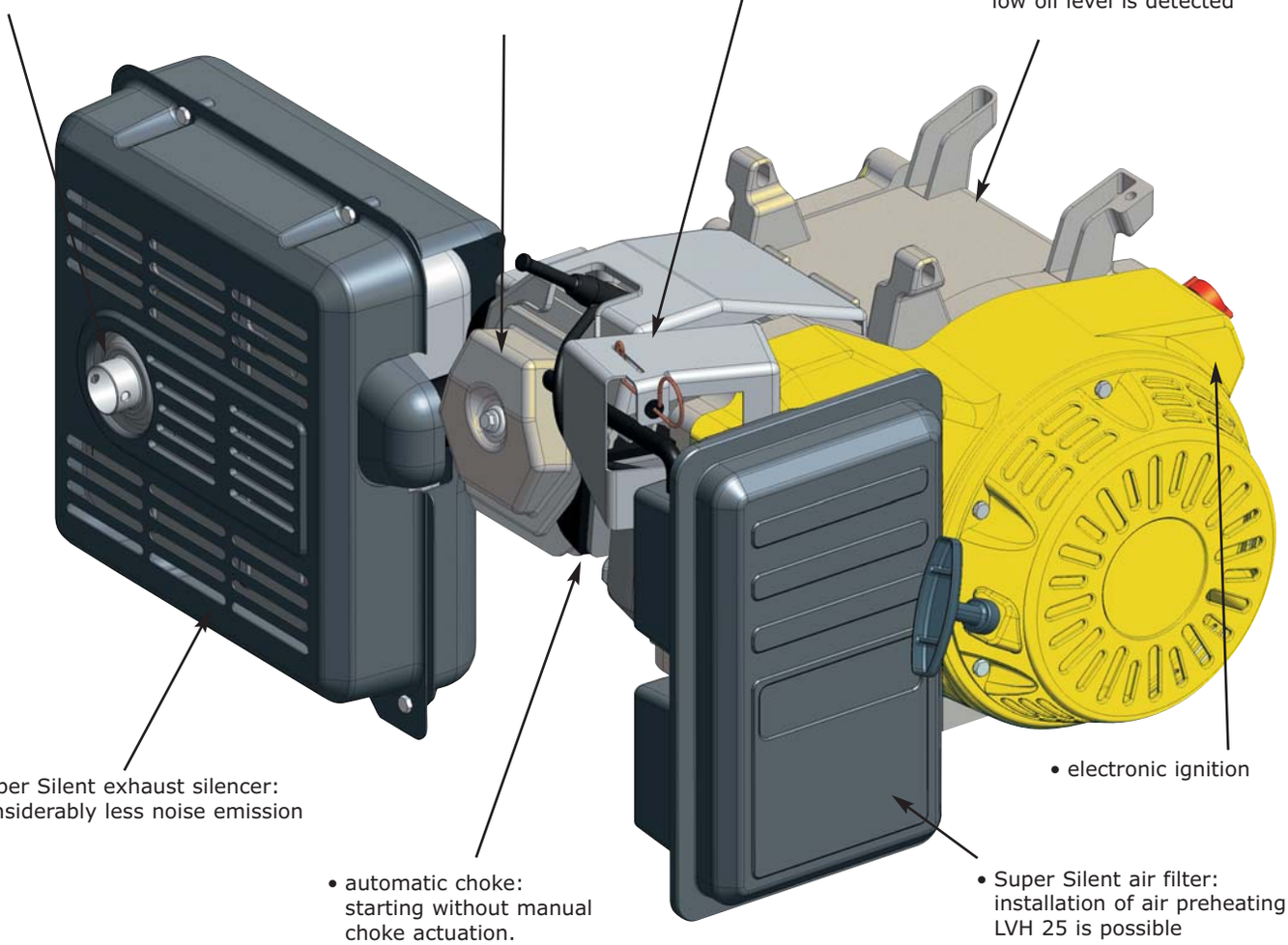
- Latest electronics in modular design. Due to their innovative SMD technology, the modules are highly reliable even under high mechanic operational demands (vibration). Safe to operate in temperatures from -20°C to +40°C. The various modules are compatible and can be combined for a customised generator meeting individual customer needs.
  At the moment, the following modules are at your disposal:
  - Blackout-Control BLC
  - Remote starting FFS 100
  - Universal on-board computer UBC

Super Silent OHV-Technology

The construction type HIGH PROTECTION is equipped with special Honda Super Silent OHV engines.

Advantages:
- extremely long lifetime due to cylinder liners made of cast iron and the consequent use of anti-friction bearing
- operation is possible up to an inclined position of 35°

- low emission combustion: satisfies the most severe standard worldwide (California Air Resources Board) for the year 2006
- OHV-Technology: 50% less oil 20% less fuel
- fuel check valve: no manual fuel tap at the engine
- automatic shut-down when low oil level is detected



- Super Silent exhaust silencer: considerably less noise emission
- automatic choke: starting without manual choke actuation. Subsequent installation of an automatic emergency current is possible.
- electronic ignition
- Super Silent air filter: installation of air preheating LVH 25 is possible

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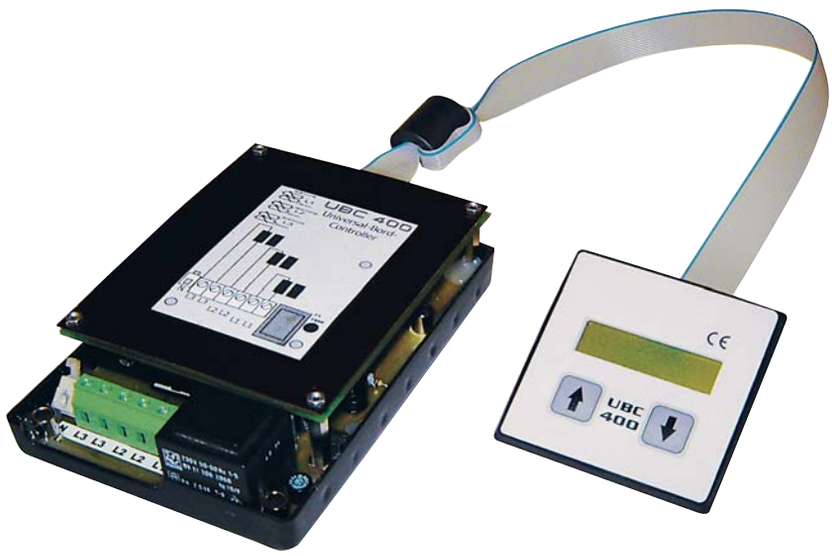
Universal on-board computer UBC 400



Practical application examples:

Due to its easy usability even occasional users can measure that generated power, or the power available for additional appliances.

The maintenance rate display allows correct maintenance even if the operation time of the generator is not known. Especially important with rental operation.

Use on construction sites
When a construction site distributor is used with the generator, the monitoring of the work load of single phases and of the total power is possible at the push of a button.

Advantages:
Allows display of 20 current generator specifications - this has never been possible with any indicator before. Due to a measuring system steered by a microprocessor, a compact modular design is achieved. The universal on-board computer UBC 400 can be operated in many Eisemann power generating systems.

- voltage N - L1, N - L2, N - L3
- voltage L1 - L2, L2 - L3, L3 - L1
- current/phase L1, L2, L3
- sum. current
- frequency
- power output per phase in kW L1, L2, L3
- total power in kW
- running time counter
- maintenance rate display for 100 + 200 hours
- The maintenance rate display may be programmed individually for each power generator.
- real time and date display

Functionality:
All data are transformed into digital signals by high-class voltage transformers. Analysis is achieved by a special software through a micro processor.
Arrow keys for measured value indication.

Available for:
HIGH PROTECTION:H 4401;H 4401E;H 5400;H 5400E;H 7400;
H 7400E;H 10000;H 10000E;H 13000E;H 6400D;H 6400DE
TOPLINE:T 6600E;T 9000E;T 13000E;T 14000E;T 11010DE;T 11011DE;
T 15010DE;T 15011DE

Remote starting FFS 100

Advantages:
Compact SMD modular design: The genset can be retro-fitted with Super Silent OHV-Technology at any time. Due to its small dimensions, the hand-held transmittor is very practical.

It can be taken anywhere.

Functionality:
With FFS 100 the genset may be started or stopped at a distance of up to 300 metres (depending on the position of the genset).
The remote control works in the failure-free 433 MHz frequency range.

Practical application example:

Use on construction sites
The generator can be started and stopped at the push of a button even from the third floor .

Available for:
HIGH PROTECTION;H4401E;H5400E;H7400E;H10000E;H13000E;H6400DE
PROFILINE:P11010DE;P11011DE;P15010DE;P15011DE
TOPLINE:T6600E;T9000E;T13000E;T14000E;T11010DE;T11011DE;T15010DE;T15011DE

Profesionell welding gensets with Asynchronous-/Invertertechnology

Welding unit Handy 200
- Software bases, less Hardware hence higher durability
- Hotstart able, thus no ingnition problems
- Anti-Stick, hence no sticking
- Arc-Force arc adjustement
- Electrode welding
- Downhill welding
- TIG-Schweißen
- Welding current 10-200A
- Electrodes 1,5 - 5,0mm

Genset
- Protection class IP 54 Usable outdoors
- Clean sinusoidal voltage, low distortion factor
- Maintenance free asynchronous generator
- Voltage 230V/400V

Pros at a glance
- Power generation and welding at the same time
- Downhill, TIG and Electrode welding
- User-friendly, easy power, easy welding
- Top quality united
- High quality manufactured
- Worldwide service network
- Additional accessories available

NEW

(S 6410)

EISEMANN + LORCH **2x First class producer**
2x Excellence

HIGH PROTECTION

HIGH PROTECTION:

Safety and reliability in professional operation

Modern petrol- or diesel-driven, fuel-efficient engines as well as especially developed **HIGH PROTECTION** brushless synchronous generators with electronic control units are ideal for independent work on construction sites and for industrial, commercial or private operation.

Large fuel tanks guarantee up to 16 hours running time.
The generator offers excellent performance and at the same time it is very safe to use.
Isolation control with cut-off in cases of emergency and a test button ensure that the safety requirements according to civil engineering standard GW 308 are met.
It also complies with ecological standards.
Reduced exhaust emission and low fuel consumption as well as its very silent operation makes it a highly efficient generator.

EISEMANN H 2801 — 083260

HIGH PROTECTION

Equipment
Casing with integrated tank and fuel gauge,
2 protective contact sockets (16 A), Electronic Oil Alert

Name	EAN-number	Order number
H2801	4038469032603	083260

Fig. with optional equipment

el. capacity: 1~ cos 1,0	VA	2500
voltage 1~	V	230
max. sum. current 1~	A	11
current 1~ (Schuko)	A	11
max. starting current cos 0,6		
(with 20% voltage drop)	A 1~	11
frequency	Hz	50
generator		asynchronous
safety class		IP 54
engine type	Mitsubishi	GT 600
number of cylinders		1
speed	U min^{-1}	3000
fuel type		gasoline
engine oil capacity	l	0,6
engine power	kW	3,3
cooling	engine/gen.	air/air
tank capacity	l	13
running time: 3/4 load	h	9,5
weight	kg	48
dimension L x W x H	mm	570 x 440 x 450
noise power level L_{WA}	dB(A)	96
noise pressure	dB(A)	68

Optional accessories	Order number
exhaust extraction hose [3]	904872
adapter for exhaust extraction hose	904897
earthing set	908250
isolation control conform with GW 308 [1]	018521
chassis (pre-finished)	988593
carrying handles	911643

EISEMANN H 2901 — 087291

HIGH PROTECTION

el. capacity: 1~ cos 0,8	VA	2500
voltage 1~	V	230
max. sum. current 1~	A	11
current 1~ (Schuko)	A	11
max. starting current cos 0,6		
(with 20% voltage drop)	A 1~	17
frequency	Hz	50
generator		synchron, electr. reg.
safety class		IP 54
engine type	Honda	GX 200 Low Noise
number of cylinders		1
speed	U min^{-1}	3000
fuel type		gasoline
engine oil capacity	l	0,6
engine power	kW	3,8
cooling	engine/gen.	air/air
tank capacity	l	10
running time: 3/4 load	h	8,5
weight	kg	58
dimension L x W x H	mm	655 x 470 x 510
noise power level L_{WA}	dB(A)	96
noise pressure	dB(A)	68

Fig. with optional equipment

Equipment
Casing with integrated tank and fuel gauge,
2 protective contact sockets (16 A), Electronic Oil Alert
running time counter [2],2-pol. therm./magn. cutout.

Name	EAN-number	Order number
H2901	4038469072913	087291

Optional accessories	Order number
exhaust extraction hose [3]	904872
adapter for exhaust extraction hose	904878
earthing set	908250
isolation control conform with GW 308 [1]	018521
chassis (pre-finished)	988548
carrying handles	911643

EISEMANN H 4401/H 4401E 087441/2

HIGH PROTECTION

Equipment

Casing with integrated tank and fuel gauge, 1 protective contact socket (16 A), 1 alternating curent CEE socket (16A), running time counter [2],2-pol. therm./magn. cutout.
Delivery H4401E incl. battery!

Name	EAN-number	Order number
H4401	4038469074412	087441
H4401E	4038469074429	087442

Fig. with optional equipment

el. capacity: 1~ cos 0,8	VA	3500
voltage 1~	V	230
max. sum. current 1~	A	15,2
current 1~ (Schuko)	A	15,2
max. starting current cos 0,6		
(with 20% voltage drop)	A 1~	27
frequency	Hz	50
generator		synchron, electr. reg.
safety class		IP 54
engine type	Honda	GX 270 Super Silent
number of cylinders		1
speed	U min^{-1}	3000
fuel type		gasoline
engine oil capacity	l	1,1
engine power	kW	5,4
cooling	engine/gen.	air/air
tank capacity	l	20
running time: 3/4 load	h	12,5
weight	kg	90/98 incl. batt.
dimension L x W x H	mm	740 x 500 x 530
noise power level L_{WA}	dB(A)	96
noise pressure	dB(A)	70

Optional accessories	Order number
exhaust extraction hose [3]	904872
adapter for exhaust extraction hose	904880
universal on-board computer UBC [1]	908254
remote starting FFS [1] [2] [4]	908252
air pre-heating LVH	908256
earthing set	908250
isolation control conform with GW 308 [1]	018521
chassis (pre-finished)	916970
	911643
carrying handles	900566
	908510
manual emergency power change-over, external	988330
blackout-control BLC 1~	988311
additional fuel tank 50 l (no more internal fuel tank) [5] [6]	923995
additional fuel tank 100 l (no more internal fuel tank) [5] [6]	923998
additional fuel tank 150 l (no more internal fuel tank) [5] [6]	923963
assembly-kit for additional fuel tank [6]	923994
battery	020316

EISEMANN H 5400/H 5400E 087541/2

HIGH PROTECTION

el. capacity: 3~ cos 1,0	VA	4500
el. capacity: 1~ cos 1,0	VA	3800
voltage 3~	V	400
voltage 1~	V	230
current 3~	A	6,5
max. sum. current 1~	A	16
current 1~ (CEE)	A	16
current 1~ (Schuko)	A	16
max. starting current cos 0,6	A 3~	11
(with 20% voltage drop)	A 1~	24
frequency	Hz	50
generator		synchron, electr. reg.
safety class		IP 54
engine type	Honda	GX 270 Super Silent
number of cylinders		1
speed	U min^{-1}	3000
fuel type		gasoline
engine oil capacity	l	1,1
engine power	kW	5,4
cooling	engine/gen.	air/air
tank capacity	l	20
running time: 3/4 load	h	12
weight	kg	90/98 incl. batt.
dimension L x W x H	mm	740 x 500 x 530
noise power level L_{WA}	dB(A)	96
noise pressure	dB(A)	68

Fig. with optional equipment

Equipment

Casing with integrated tank and fuel gauge, 1 three-phase current CEE socket (16 A), 1 alternative current CEE socket (16A), 1 protective contact socket (16 A), 4-pol. therm./magnet. cutout, running time counter [2]
Delivery H5400E incl. battery!

Name	EAN-number	Order number
H5400	4038469075419	087541
H5400E	4038469075426	087542

Optional accessories	Order number
exhaust extraction hose [3]	904872
adapter for exhaust extraction hose	904880
universal on-board computer UBC [1]	908254
remote starting FFS [1] [2] [4]	908252
air pre-heating LVH	908256
earthing set	908250
isolation control conform with GW 308 [1]	018521
chassis (pre-finished)	988548
lifting set	911643
carrying handles	900566
light pole	908510
blackout-control BLC 1~	988312
manual emergency power change-over, external	988331
additional fuel tank 50l	923995
additional fuel tank 100 l (no more internal fuel tank) [5] [6]	923998
additional fuel tank 150 l (no more internal fuel tank) [5] [6]	923963
assembly-kit for additional fuel tank [6]	923994
battery	020316

1) not available in connection with BLC
2) not available in connection with UBC
3) only in connection with adapter for exhaust extraction hose
4) not available in connection with E-Start
5) not available in conn. with carr. handles or chassis
6) factory installation only
7) only in connection with assembly-kit

EISEMANN H 7400/H 7400E 087741/2

HIGH PROTECTION

Equipment

Casing with integrated tank and fuel gauge, 1 three-phase current CEE socket (16 A), 1 alternative current CEE socket (32A), 1 protective contact socket (16 A), 4-pol. therm./magnet. cutout, running time counter [2)]
Delivery H7400E incl. battery!

Name	EAN-number	Order number
H7400	4038469077413	087741
H7400E	4038469077420	087742

Fig. with optional equipment

el. capacity: 3~ cos	1,0	VA	6000
el. capacity: 1~ cos	1,0	VA	5000
voltage 3~		V	400
voltage 1~		V	230
current 3~		A	9
max. sum. current 1~		A	22,5
current 1~ (CEE)		A	22,5
current 1~ (Schuko)		A	16
max. starting current cos	0,6	A 3~	18
(with 20% voltage drop)		A 1~	40
frequency		Hz	50
generator			synchron, electr. reg.
safety class			IP 54
engine type		Honda	GX 390 Super Silent
number of cylinders			1
speed		U min^{-1}	3000
fuel type			gasoline
engine oil capacity		l	1,3
engine power		kW	7,5
cooling		engine/gen.	air/air
tank capacity		l	20
running time: 3/4 load		h	8,5
weight		kg	108/117 incl. batt.
dimension L x W x H		mm	740 x 500 x 530
noise power level L_{WA}		dB(A)	97
noise pressure		dB(A)	69

Optional accessories	Order number
exhaust extraction hose [3)]	904872
adapter for exhaust extraction hose	904897
earthing set	908250
isolation control conform with GW 308 extern	018520
chassis (pre-finished)	988593
lifting set	911643

EISEMANN H 10000/10000E 087903/4

HIGH PROTECTION

el. capacity: 3~ cos	0,8	VA	9700
el. capacity: 1~ cos	0,8	VA	7400
voltage 3~		V	400
voltage 1~		V	230
current 3~		A	14
max. sum. current 1~		A	32
current 1~ (CEE)		A	26
current 1~ (Schuko)		A	16
max. starting current cos	0,6	A 3~	25
(with 20% voltage drop)		A 1~	45
frequency		Hz	50
generator			synchron, electr. reg.
safety class			IP 54
engine type		B&S	350442/350447
number of cylinders			2
speed		U min^{-1}	3000
fuel type			gasoline
engine oil capacity		l	1,7
engine power		kW	12,1
cooling		engine/gen.	air/air
tank capacity		l	2 x 10
running time: 3/4 load		h	7
weight		kg	120/124 without Batt.
dimension L x W x H		mm	790 x 550 x 650
noise power level L_{WA}		dB(A)	98
noise pressure		dB(A)	70

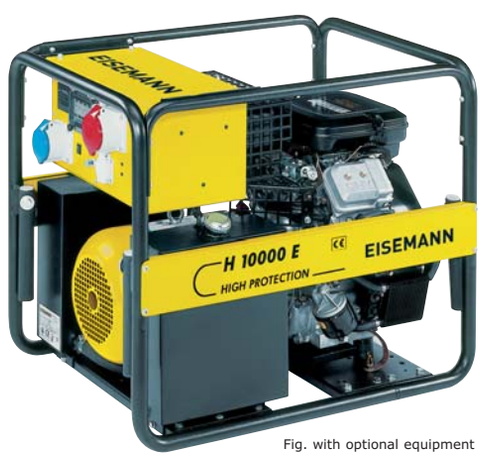


Fig. with optional equipment

Equipment

Tank in modular design, 1 three-phase current CEE socket (16 A), 1 alternative current CEE socket (32A), running time counter [2)]
1 protective contact socket (16 A), 4-pol. therm./magnet. cutout,
Delivery without battery!

Name	EAN-number	Order number
H10000	4038469079035	087903
H10000E	4038469079042	087904

Optional accessories	Order number
exhaust extraction hose [3)]	904872
adapter for exhaust extraction hose	904897
earthing set	908250
isolation control conform with GW 308 extern	018520
chassis (pre-finished)	988593
lifting set	911643

EISEMANN H 13000E 087134

HIGH PROTECTION

Equipment
Tank in modular design, 1 three-phase current CEE socket (32 A), 1 alternative current CEE socket (32A), running time counter [2] 1 protective contact socket (16 A), 4-pol. therm./magn. cutout, Delivery without battery!

Name	EAN-number	Order number
H13000E	4038469071343	087134

Fig. with optional equipment

el. capacity: 3~ cos	0,8	VA	13000
el. capacity: 1~ cos	0,8	VA	9660
voltage 3~		V	400
voltage 1~		V	230
current 3~		A	18,6
max. sum. current 1~		A	42
current 1~ (CEE)		A	26
current 1~ (Schuko)		A	16
max. starting current cos	0,6	A 3~	28
(with 20% voltage drop)		A 1~	55
frequency		Hz	50
generator			synchron, electr. reg.
safety class			IP 54
engine type		B&S	380447
number of cylinders			2
speed		U min^{-1}	3000
fuel type			gasoline
engine oil capacity		l	1,7
engine power		kW	13,8
cooling		engine/gen.	air/air
tank capacity		l	2 x 10
running time: 3/4 load		h	5,7
weight		kg	130 without Batt.
dimension L x W x H		mm	790 x 550 x 650
noise power level L_{WA}		dB(A)	98
noise pressure		dB(A)	70

Optional accessories	Order number
exhaust extraction hose	904872
universal on-board computer UBC [1]	908254
remote starting FFS [1] [2]	908257
earthing set	908250
isolation control conform with GW 308 [1]	018521
chassis (pre-finished)	988548
lifting set	911643
light pole	908510
blackout-control BLC	988315
manual emergency power change-over, external	988332
additional fuel tank 50l	923995
additional fuel tank 100 l (no more internal fuel tank) [5] [6]	923998
additional fuel tank 150 l (no more internal fuel tank) [5] [6]	923963
battery	020316
gas kit [6]	a. A.

EISEMANN H 6400D/H 6400DE 083651/2

HIGH PROTECTION

el. capacity: 3~ cos	0,8	VA	5900
el. capacity: 1~ cos	1,0	VA	5300
voltage 3~		V	400
voltage 1~		V	230
current 3~		A	8,5
max. sum. current 1~		A	23
current 1~ (Schuko)		A	16
max. starting current cos	0,6	A 3~	13
(with 20% voltage drop)		A 1~	35
frequency		Hz	50
generator			synchron, electr. reg.
safety class			IP 54
engine type		Hatz	1B40
number of cylinders			1
speed		U min^{-1}	3000
fuel type			diesel
engine oil capacity		l	1,5
engine power		kW	6,2
cooling		engine/gen.	air/air
tank capacity		l	5
running time: 3/4 load		h	3,5
weight		kg	122/132 without Batt.
dimension L x W x H		mm	740 x 500 x 530
noise power level L_{WA}		dB(A)	100
noise pressure		dB(A)	72

Fig. with optional equipment

Equipment
Casing with integrated tank and fuel gauge, 1 three-phase current CEE socket (16 A), 1 alternative current CEE socket (32A), 1 protective contact socket (16 A), 4-pol. therm./magnet. cutout, running time counter [2] Delivery H7400E incl. battery!

Name	EAN-number	Order number
H6400D	4038469036513	083651
H6400DE	4038469036526	083652

Optional accessories	Order number
exhaust extraction hose [3]	904872
adapter for exhaust extraction hose	904887
universal on-board computer UBC [1]	908254
remote starting FFS [1] [2] [4]	908252
earthing set	908250
chassis (pre-finished)	988548
lifting set	911643
carrying handles	900566
light pole	908510
manual emergency power change-over, external	988331
blackout-control BLC, extern	988325
additional fuel tank 50 l (no more internal fuel tank) [4] [5] [6]	923995
additional fuel tank 100 l (no more internal fuel tank) [4] [5] [6]	923998
additional fuel tank 150 l (no more internal fuel tank) [4] [5] [6]	923963
assembly-kit for additional fuel tank [6]	923996
battery	901067

Our appliances are subject to ongoing improvements.
We therefore reserve the right to modify technical data and illustrations.

1) not available in connection with BLC
2) not available in connection with UBC
3) only in connection with adapter for exhaust extraction hose
4) not available in connection with E-Start
5) not available in conn. with carr. handles or chassis
6) factory installation only
7) only in connection with assembly-kit

EISEMANN BLC (accessory)

Blackout-Control BLC gasoline

In the case of power supply failure or intense powerline fluctuations, Emergency Automatic Power Supply BLC manages the automatical taking over of power supply by the Eisemann power generator. When line voltage is back to normal, the power line is also set back automatically and the generator is adjusted. The newly developed Emergency Automatic Power Supply BLC offers unparalleled advantages and its usability has no equals:

- Complete installation including contactor integrated in the generator
- Mono- and triphase type available
- Switching on of the genset at a line voltage of <180 V and >270 V
- Switching off of the genset at a line voltage of >187 V and <262 V
- The switching on of the genset start after 10 - 30 seconds, depending on the temparature of the environment
  In this way, power supply with stable frequency is already secured at the taking over
- Three seconds after return of line voltage (>187 V and <262 V), there is a switch back to the mains
- Up to three starting attempts are carried out automatically
- The controller-PCB is completely sealed to withstand shocks and moisture

EISEMANN BLC (accesory)

Blackout-Control BLC Diesel

In the case of power supply failure or intense powerline fluctuations, Emergency Automatic Power Supply BLC manages the automatical taking over of power supply by the Eisemann power generator. When line voltage is back to normal, the power line is also set back automatically and the generator is adjusted.
The newly developed Emergency Automatic Power Supply BLC offers unparalleled advantages and its usability has no equals:

- Complete installation including contactor integrated in the external switchbox

Manual emergency power change-over

The manual emergency power change-over is the simple and economical solution of an
emergency electrical installation for everyone. After starting the Geko power generator the switch must only put down and the house will be supplied again with electricity.
Available as 1-phase execution 16 A feed and as 3-phase execution with 16 A or 32 A feed. Switching capacitiy in each case 63 A.

PROFILINE

PROFILINE:
Your Professionals for Mobile Power
Profiline power generators work on a very professional level. They are highly reliable and generate powerful energy, this allows an easy operation by handwork. Independent from any power connection, they are mobile and ready for operation at any time.
Large fuel tanks guarantee an operating time of up to 15 hours.
In addition, a decompression device is repsonsible for the excellent starting behaviour of all diesel aggregates. Due to its robust design, it works with high reliabilty even in rough conditions. Also, Profiline-power generators are very easy to operate.

The Advantages...
- Reduced exhaust emission, low fuel consumption combined with long lifetime
- Very good cold starting
- E-versions with E-start
- Long operating time (up to 15 hours) due to large tanks with integrated fuel gauge
- Alternative current and three-phase current sockets as well as all functionality and control instruments are easily accessible
- Compact and ambitious in its design
- Tubular frames for allround-safety
- CE- and design type approval signs

EISEMANN P 4401/P 4401E 083441/2

PROFILINE

Equipment
Casing with integrated tank and fuel gauge,
2 protective contact sockets (16 A), waterproof, cutout
Delivery P4401E incl. battery!

Name	EAN-number	Order number
P4401	4038469034416	083441
P4401E	4038469034423	083442

Fig. with optional equipment

el. capacity: 1~ cos 1,0	VA	3400
voltage 1~	V	230
max. sum. current 1~	A	14,8
current 1~ (Schuko)	A	14,8
max. starting current cos 0,6		
(with 20% voltage drop)	A $1_{\sim}$	14
frequency	Hz	50
generator		synchron
safety class		IP 23
engine type	Honda	GX 270 Super Silent
number of cylinders		1
speed	U min^{-1}	3000
fuel type		gasoline
engine oil capacity	l	1,1
engine power	kW	5,4
cooling	engine/gen.	air/air
tank capacity	l	20
running time: 3/4 load	h	12,5
weight	kg	70/80 without batt.
dimension L x W x H	mm	740 x 500 x 530
noise power level L_{WA}	dB(A)	96
noise pressure	dB(A)	68

Optional accessories	Order number
exhaust extraction hose [3]	904872
adapter for exhaust extraction hose	904880
air pre-heating LVH	908256
earthing set	908250
isolation control conform with GW 308, extern	018520
chassis (pre-finished)	988548
lifting set	911643
carrying handles	900566
light pole	908510
additional fuel tank 50 l (no more internal fuel tank) [6]	923995
additional fuel tank 100 l (no more internal fuel tank) [6]	923998
additional fuel tank 150 (no more internal fuel tank) [6]	923963
assembly-kit for additional fuel tank [6]	923994
gas kit [6]	by request

EISEMANN P 7401/P 7401E 083743/4

PROFILINE

el. capacity: 1~ cos 1,0	VA	6450
voltage 1~	V	230
max. sum. current 1~	A	28
current 1~ (CEE)	A	28
current 1~ (Schuko)	A	16
max. starting current cos 0,6		
(with 20% voltage drop)	A $1_{\sim}$	45
frequency	Hz	50
generator		synchron
safety class		IP 23
engine type	Honda	GX 390 Super Silent
number of cylinders		1
speed	U min^{-1}	3000
fuel type		gasoline
engine oil capacity	l	1,3
engine power	kW	7,5
cooling	engine/gen.	air/air
tank capacity	l	20
running time: 3/4 load	h	8
weight	kg	95,5/104,5 incl. batt.
dimension L x W x H	mm	740 x 500 x 530
noise power level L_{WA}	dB(A)	97
noise pressure	dB(A)	69

Fig. with optional equipment

Equipment
Casing with integrated tank and fuel gauge,
1 alternative current CEE socket (32A),
1 protective contact socket (16 A), cutout.
Delivery P7401E incl. battery!

Name	EAN-number	Order number
P7401	4038469037431	083743
P7401E	4038469037448	083744

Optional accessories	Order number
exhaust extraction hose [3]	904872
adapter for exhaust extraction hose	904880
air pre-heating LVH	908256
earthing set	908250
chassis (pre-finished)	988548
lifting set	911643
carrying handles	900566
light pole	908510
blackout-control BLC [4]	988316
additional fuel tank 50 l (no more internal fuel tank) [5] [6]	923995
additional fuel tank 100 l (no more internal fuel tank) [5] [6]	923998
additional fuel tank 150 (no more internal fuel tank) [5] [6]	923963
assembly-kit for additional fuel tank [6]	923994
gas kit [6]	by request

EISEMANN P10001E 084108

PROFILINE

Equipment
Large tank with fuel gauge, 1 alternative current CEE socket (63A), 2 protective contact sockets (16 A), cutout
Delivery without battery!

Name	EAN-number	Order number
P10001E	4038469041087	084108

Fig. with optional equipment

el. capacity: 1~ cos 0,8	VA	9400
voltage 1~	V	230
max. sum. current 1~	A	41
current 1~ (CEE)	A	41
current 1~ (Schuko)	A	16
max. starting current cos 0,6		
(with 20% voltage drop)	A 1~	64
frequency	Hz	50
generator		synchron
safety class		IP 23
engine type	B&S	350447
number of cylinders		2
speed	U min^{-1}	3000
fuel type		gasoline
engine oil capacity	l	1,7
engine power	kW	12,1
cooling	engine/gen.	air/air
tank capacity	l	20
running time: 3/4 load	h	7
weight	kg	138 without batt.
dimension L x W x H	mm	900 x 645 x 615
noise power level L_{WA}	dB(A)	98
noise pressure	dB(A)	70

Optional accessories	Order number
exhaust extraction hose [3]	904872
adapter for exhaust extraction hose	010357
earthing set	908250
isolation control conform with GW 308	018521
chassis (pre-finished)	988548
lifting set	911643
carrying handles	900566
light pole	908510
battery	901067
gas kit [6]	by request

EISEMANN P 2401D 083241

PROFILINE

el. capacity: 1~ cos 1,0	VA	2000
voltage 1~	V	230
max. sum. current 1~	A	8,7
current 1~ (Schuko)	A	8,7
max. starting current cos 0,6		
(with 20% voltage drop)	A 1~	10
frequency	Hz	50
generator		synchron
safety class		IP 23
engine type	Hatz	1B20
number of cylinders		1
speed	U min^{-1}	3000
fuel type		Diesel
engine oil capacity	l	0,9
engine power	kW	3,1
cooling	engine/gen.	air/air
tank capacity	l	3
running time: 3/4 load	h	5
weight	kg	58
dimension L x W x H	mm	740 x 500 x 530
noise power level L_{WA}	dB(A)	100
noise pressure	dB(A)	72

Fig. with optional equipment

Equipment
2 protective contact sockets (16 A), cutout, water sperator.

Name	EAN-number	Order number
P2401D	4038469032412	083241

Optional accessories	Order number
exhaust extraction hose [3]	904872
adapter for exhaust extraction hose	904885
earthing set	908250
isolation control conform with GW 308, extern	018520
chassis (pre-finished)	988548
lifting set	911643

EISEMANN P 4401D/P 4401DE 083443/4

PROFILINE

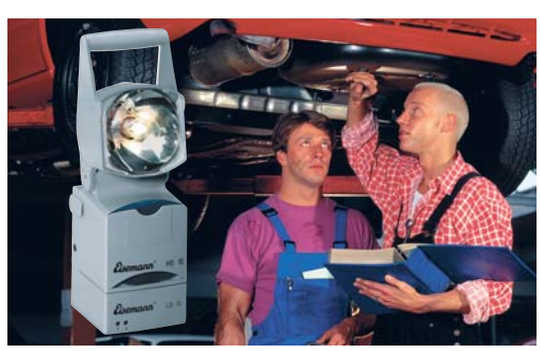
Equipment

2 protective contact sockets (16 A), cutout, water sperator.
Delivery without battery!

Name	EAN-number	Order number
P4401D	4038469034430	083443
P4401DE	4038469034447	083444

Fig. with optional equipment

el. capacity: 1~ cos 1,0	VA	3300
voltage 1~	V	230
max. sum. current 1~	A	14,4
current 1~ (Schuko)	A	14,4
max. starting current cos 0,6		
(with 20% voltage drop)	A 1~	11,5
frequency	Hz	50
generator		synchron
safety class		IP 23
engine type	Hatz	1B30
number of cylinders		1
speed	U min^{-1}	3000
fuel type		diesel
engine oil capacity	l	1,1
engine power	kW	4,6
cooling	engine/gen.	air/air
tank capacity	l	5
running time: 3/4 load	h	6,6
weight	kg	75/80 without batt.
dimension L x W x H	mm	740 x 500 x 530
noise power level L_{WA}	dB(A)	100
noise pressure	dB(A)	72



Optional accessories	Order number
exhaust extraction hose [3]	904872
adapter for exhaust extraction hose	904885
earthing set	908250
isolation control conform with GW 308, extern	918520
chassis (pre-finished)	988548
lifting set	911643
carrying handles	900566
light pole	908510
additional fuel tank 50 l (no more internal fuel tank) [4] [5] [6]	923995
additional fuel tank 100 l (no more internal fuel tank) [4] [5] [6]	923998
additional fuel tank 150 l (no more internal fuel tank) [4] [5] [6]	923963
assembly-kit for additional fuel tank [6]	923996
battery	901067

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1) not available in connection with BLC
4) not available in connection with E-Start

2) not available in connection with UBC
5) not available in conn. with carr. handles or chassis

3) only in connection with adapter for exhaust extraction hose
6) factory installation only 7) only in connection with assembly-kit

EISEMANN P11010DE/P11011DE

PROFILINE

Equipment

Large tank, running time counter, fuel indicator, therm./magn. cutout, electronic oil alert
P11010DE: 1 three-phase current CEE socket (16 A), 1 alternative current CEE socket (16 A), 1 protective contact socket (16 A),
P11011DE: direct connection over terminal strip, 1 protective contact socket (16 A),
Delivery without battery!

Name	EAN-number	Order number
P11010DE	40384699021058	082105
P11011DE	40384699021065	082106

Fig. with optional equipment

el. capacity: 3~ cos	0,8	VA	11000/-
el. capacity: 1~ cos	0,8	VA	4000/11700
voltage 3~		V	400/-
voltage 1~		V	230/230
current 3~		A	15,8/-
max. sum. current 1~		A	17/41
current 1~ (CEE)		A	16/41
current 1~ (Schuko)		A	16/16
max. starting current cos	0,6	A 3~	22/-
(with 20% voltage drop)		A 1~	32/55
frequency		Hz	50
generator			synchron
safety class			IP 23
engine type		Mitsubishi	S3L2
number of cylinders			3
speed		U min^{-1}	1500
fuel type			Diesel
engine oil capacity		l	4,2
engine power		kW	9,6
cooling		engine/gen.	water/air
tank capacity		l	210
running time: 3/4 load		h	90
weight		kg	415
dimension L x W x H		mm	1380 x 735 x 1095
noise power level L_{WA}		dB(A)	92
noise pressure		dB(A)	64

Optional accessories	Order number
water seperator with automatic stop	Serie
adapter for exhaust extraction hose	Serie
exhaust extraction hose	904872
RCD protection switch (w. earthing set)	904400
earthing set	908250
remote starting FFS [1) 2) 4)]	908252
universal on-board computer UBC [1)]	908254
isolation control conform with. GW308 [1) 6)]	018521
manual emergency power change-over, external	988331
Blackout-Control BLC 200 1~, external	988341
Blackout-Control BLC 200 3~, external	988342
GSM-modem for BLC 200	904849
Battery	901061
cooling water preheating	904836
trailer	988545
water proof sockets [6)]	903052

EISEMANN P15010DE/P15011DE

PROFILINE

el. capacity: 3~ cos	0,8	VA	15000/-
el. capacity: 1~ cos	0,8	VA	6000/15000
voltage 3~		V	400/-
voltage 1~		V	230/230
current 3~		A	21,8/-
max. sum. current 1~		A	26/65
current 1~ (CEE)		A	26/63
current 1~ (Schuko)		A	16/16
max. starting current cos	0,6	A 3~	30/-
(with 20% voltage drop)		A 1~	32/89
frequency		Hz	50
generator			synchron
safety class			IP 23
engine type		Mitsubishi	S4L2
number of cylinders			4
speed		U min^{-1}	1500
fuel type			diesel
engine oil capacity		l	5,4
engine power		kW	13,6
cooling		engine/gen.	water/air
tank capacity		l	210
running time: 3/4 load		h	65
weight		kg	470
dimension L x W x H		mm	1380 x 735 x 1095
noise power level L_{WA}		dB(A)	93
noise pressure		dB(A)	65

Fig. with optional equipment

Equipment

Large tank, running time counter, fuel indicator, therm./magn. cutout, electronic oil alert
P15010DE: 1 three-phase current CEE socket (32 A), 1 alternative current CEE socket (16 A), 1 protective contact socket (16 A),
P15011DE: direct connection over terminal strip, 1 protective contact socket (16 A),
Delivery without battery!

Name	EAN-number	Order number
P15010DE	4038469021096	082109
P15011DE	4038469021102	082110

Optional accessories	Order number
water seperator with automatic stop	Serie
adapter for exhaust extraction hose	Serie
exhaust extraction hose	904872
RCD protection switch (w. earthing set)	904400
earthing set	908250
remote starting FFS [1) 2) 4)]	908252
universal on-board computer UBC [1)]	908254
isolation control conform with. GW308 [1) 6)]	018521
manual emergency power change-over, external	988331
Blackout-Control BLC 200 1~, external	988341
Blackout-Control BLC 200 3~, external	988342
GSM-modem for BLC 200	904849
Battery	901061
cooling water preheating	904836
trailer	988545
water proof sockets [6)]	903052

WELDING GENSET

WELDING GENSET

- Robust design for demanding operations
- Tubular frames for allround-safety
- Standard carrying handles (S6400/6401)
- Wielding jacks conform DIN 13
- Wielding current 200 A

EISEMANN S 6400/6400E 086641/2

WELDING GENSET

Equipment
1 three-phase current CEE socket (16A),
1 protective contact socket (16 A), cutout, carrying handles, wielding jacks conform DIN 13.
Delivery without battery!

Name	EAN-number	Order number
S6400	4038469066417	086641
S6400E	4038469066424	086642

Fig. with optional equipment

el. capacity: 3~ cos 1,0	VA	6200
el. capacity: 1~ cos 1,0	VA	3700
voltage 3~	V	400
voltage 1~	V	230
current 3~	A	9
max. sum. current 1~	A	16
current 1~ (Schuko)	A	16
	A	200
frequency	Hz	50
generator		synchron
safety class		IP 23
engine type	Honda	GX 390 Low Noise
number of cylinders		1
speed	U min^{-1}	3000
fuel type		gasoline
engine oil capacity	l	1,3
engine power	kW	7,5
cooling	engine/gen.	air/air
tank capacity	l	6,5
running time: 3/4 load	h	2,8
weight	kg	106/111 without batt.
dimension L x W x H	mm	740 x 500 x 530
noise power level L_{WA}	dB(A)	98
noise pressure	dB(A)	70

Optional accessories	Order number
exhaust extraction hose 3)	904872
adapter for exhaust extraction hose	904879
earthing set	908250
chassis (pre-finished)	988548
lifting set	911643
battery	020316
gas kit 6)	by request

EISEMANN S 6401/6401E 086643/4

WELDING GENSET

el. capacity: 1~ cos 1,0	VA	5000
voltage 1~	V	230
max. sum. current 1~	A	21,7
current 1~ (CEE)	A	21,7
current 1~ (Schuko)	A	16
	A	200
frequency	Hz	50
generator		synchron
safety class		IP 23
engine type	Honda	GX 390 Low Noise
number of cylinders		1
speed	U min^{-1}	3000
fuel type		gasoline
engine oil capacity	l	1,3
engine power	kW	7,5
cooling	engine/gen.	air/air
tank capacity	l	6,5
running time: 3/4 load	h	2,8
weight	kg	106/111 without batt.
dimension L x W x H	mm	740 x 500 x 530
noise power level L_{WA}	dB(A)	98
noise pressure	dB(A)	70

Abb. mit optionaler Sonderaustattung

Equipment
1 alternative current CEE socket (32A),
1 protective contact socket (16A), cutout, carrying handles, wielding jacks conform DIN 13.

Delivery without battery!

Name	EAN-number	Order number
S6401	4038469066431	086643
S6401E	4038469066448	086644

Optional accessories	Order number
exhaust extraction hose 3)	904872
adapter for exhaust extraction hose	904879
earthing set	908250
chassis (pre-finished)	988548
lifting set	911643
battery	020316
gas kit 6)	by request

EISEMANN S 6400DE/6401DE 086645/6

WELDING GENSET

Equipment
1 alternative current CEE socket (32A),
1 protective contact socket (16A), cutout, carrying handles, wielding jacks conform DIN 13.
Delivery without battery!

Name	EAN-number	Order number
S6400DE	4038469066455	086645
S6401DE	4038469066462	086646

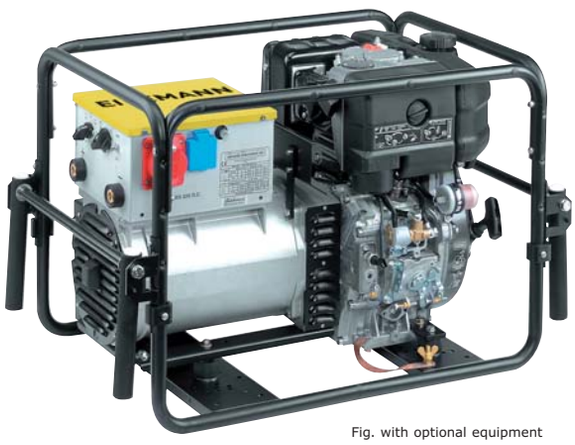

Fig. with optional equipment

el. capacity: 3~ cos 1,0	VA	6200	–
el. capacity: 1~ cos 1,0	VA	3700	5000
voltage 3~	V	400	–
voltage 1~	V	230	230
current 3~	A	9	-
max. sum. current 1~	A	16	21,7
current 1~ (CEE)	A	–	21,7
current 1~ (Schuko)	A	16	16
	A	200	200
frequency	Hz	50	50
generator		synchron	
safety class		IP 23	
engine type	Lombardini	15LD440	
number of cylinders		1	
speed	U min^{-1}	3000	
fuel type		Diesel	
engine oil capacity	l	1,5	
engine power	kW	7,2	
cooling	engine/gen.	air/air	
tank capacity	l	5	
running time: 3/4 load	h	3,5	
weight	kg	127 without batt.	
dimension L x W x H	mm	740 x 500 x 530	
noise power level L_{WA}	dB(A)	100	
noise pressure	dB(A)	72	

Optional accessories	Order number
exhaust extraction hose 3)	904872
adapter for exhaust extraction hose	004886
earthing set	908250
chassis (pre-finished)	988548
lifting set	911643
battery	901067

EISEMANN S 10000E 086101

WELDING GENSET

el. capacity: 3~ cos 0,8	VA	10000
el. capacity: 1~ cos 1,0	VA	3700
voltage 3~	V	400
voltage 1~	V	230
current 3~	A	14,4
current 1~ (CEE)	A	16
welding current =	A	300
frequency	Hz	50
generator		synchron
safety class		IP 23
engine type	B&S	380447
number of cylinders		2
speed	U min^{-1}	3000
fuel type		gasoline
engine oil capacity	l	1,7
engine power	kW	13,8
cooling	engine/gen.	air/air
tank capacity	l	20
running time: 3/4 load	h	5,7
weight	kg	160 without batt.
dimension L x W x H	mm	900 x 645 x 710
noise power level L_{WA}	dB(A)	98
noise pressure	dB(A)	70

Fig. with optional equipment

Equipment
Large tank and fuel gauge,
1 three-phase current CEE socket (16A),
1 alternative current CEE socket (16A), 4-pol. therm./magn. cutout,
wielding jacks conform DIN 13.
Delivery without battery!

Name	EAN-number	Order number
S10000E	4038469061016	086101

Optional accessories	Order number
exhaust extraction hose 3)	904872
adapter for exhaust extraction hose	010357
earthing set	908250
chassis (pre-finished)	988548
lifting set	911643
battery	901067
light pole	908510
gas kit 6)	by request

TOPLINE

TOPLINE: awarded for the environment protection...

Topline power generators respect the environment and personal safety. They are designed for operation with low noise emissions in densely populated areas and are thus the "right connection" today.
If at night or on holidays: Topline power generators are known for their low noise emission for which they were awarded the label "Blue Angel".
Thanks to IP 54 power generators in T 2500 to T 13000E perfect generator operation is guaranteed even when the power generator is exposed to humidity and dirt. Continual operation in the open air presents no problem at all.
Their attractive and innovative design can hardly be overlooked either.
Due to their large tanks with T 2500 to T 15010/1DE their performance remain constantly on the same level for up to 100 hours. With their generous dimensions, Topline power generators are highly reliable and supply powerful energy at any time - independent of any external power supply.
Due to their compact design and high mobility, Topline power generators are an excellent energy source for independent professional operation for private, commercial or industrial purposes.
Even their recyclable components made of synthetic materials meet the requirments of environmentally friendly technology today.

The Advantages...

- Label "Blue Angel" because low in noise emission
- Compact and robust design
- Powerful, reliable power generators, no need of much maintenance
- 12 V direct current and 230 V alternative current may be used in parallel operation on the T2500
- Engines with very good cold starting behaviour
- Long operation with one tank filling (up to 100 hours) due to particularly large tanks with integrated fuel gauge and spillway
- Pictograms facilitate operation by showing clearly how to start your Topline power generator, how to operate it safely and how to store it after operation
- LED-display with T2500 for 230 V alternative current and 12V direct current, charging current, charging completed, low oil level
- Overload protection for 12 V direct current and 230 V alternative current on the T2500
- Running time counter for planning maintenance intervals (T 2500 to T 15010/1DE)
- Service-friendly construction: Maintenance works can be carried out fast and at no great expense
- Wheel set for even better mobility on request (T 2500 to T 13000E)

EISEMANN T 2500 — 081251

TOPLINE

Equipment
2 protective contact sockets (16 A), waterproof,
1 DC-socket (12 V), 1 cutout for alternative and direct current,
running time counter, battery charging cable, fuel gauge,
lockable partition, operating door with short instructions,
LED-display for low oil level, charging, charging complete,
direct voltage 12 V, alternating voltage 230 V

Name	EAN-number	Order number
T 2500	4038469012513	081251

el. capacity: 1~ cos	1,0	VA	2200
voltage 1~		V	230
Spannung =		V	12
max. sum. current 1~		A	9,6
current 1~ (Schuko)		A	9,6
Strom =		A	10
max. starting current cos	0,6		
(with 20% voltage drop)		A 1~	12
frequency		Hz	50
generator			asynchronous
safety class			IP 54
engine type		Suzuki	V 160AB
number of cylinders			1
speed		U min^{-1}	3000
fuel type			gasoline
engine oil capacity		l	0,55
engine power		kW	2,8
cooling		engine/gen.	air/air
tank capacity		l	10
running time: 3/4 load		h	10
weight		kg	58
dimension L x W x H		mm	675 x 515 x 445
noise power level L_{WA}		dB(A)	90
noise pressure		dB(A)	62

Optional accessories	Order number
exhaust extraction hose	010820
earthing set	908250
isolation control conform with GW 308 [1]	018520
chassis (pre-finished)	016950

EISEMANN T 6600E — 081662

TOPLINE

el. capacity: 3~ cos	0,8	VA	6100
el. capacity: 1~ cos	0,8	VA	5200
voltage 3~		V	400
voltage 1~		V	230
current 3~		A	8,8
max. sum. current 1~		A	22,6
current 3~ (CEE)		A	8,8
current 1~ (Schuko)		A	16
max. starting current cos	0,6	A 3~	19
(with 20% voltage drop)		A 1~	40
frequency		Hz	50
generator			asynchronous
safety class			IP 54
engine type		Honda	GX 390 Low Noise
number of cylinders			1
speed		U min^{-1}	3000
fuel type			gasoline
engine oil capacity		l	1,3
engine power		kW	7,5
cooling		engine/gen.	air/air
tank capacity		l	26
running time: 3/4 load		h	11
weight		kg	138 with batt.
dimension L x W x H		mm	820 x 550 x 620
noise power level L_{WA}		dB(A)	90
noise pressure		dB(A)	62

Equipment
Tank in modular design, 1 three-phase current CEE socket (16 A),
2 protective contact socket (16 A), running time counter
Delivery with battery!

Name	EAN-number	Order number
T 6600E	4038469016627	081662

Optional accessories	Order number
exhaust extraction hose	904872
earthing set	908250
remote starting FFS [1) 2) 4)]	908252
universal on-board computer UBC [1)]	008310
isolation control conform with GW 308 [1)]	018521
chassis (pre-finished)	988548
lifting set	911643
Blackout-Control BLC, external	988322

EISEMANN T 9000E 081902

TOPLINE

Equipment
Tank in modular design, 1 three-phase current CEE socket (16 A),
1 alternative current CEE socket (32 A), 1 protective contact socket (16 A),
4-pol. therm./magn. cutout, running time counter
Delivery with battery!

Name	EAN-number	Order number
T 9000E	4038469019024	081902

Fig. with optional equipment

el. capacity: 3~ cos	0,8	VA	9000
el. capacity: 1~ cos	0,8	VA	6000
voltage 3~		V	400
voltage 1~		V	230
current 3~		A	13
max. sum. current 1~		A	26
current 1~ (CEE)		A	26
current 1~ (Schuko)		A	16
max. starting current cos	0,6	A 3~	30
(with 20% voltage drop)		A 1~	55
frequency		Hz	50
generator			asynchronous
safety class			IP 54
engine type		B&S	356447
number of cylinders			2
speed		U min^{-1}	3000
fuel type			gasoline
engine oil capacity		l	1,7
engine power		kW	12,1
cooling		engine/gen.	air/air
tank capacity		l	20
running time: 3/4 load		h	7
weight		kg	187 with batt.
dimension L x W x H		mm	880 x 650 x 620
noise power level L_{WA}		dB(A)	89
noise pressure		dB(A)	61

Optional accessories	Order number
exhaust extraction hose	904872
earthing set	908250
remote starting FFS [1) 2) 4)]	908257
universal on-board computer UBC [1)]	908254
isolation control conform with GW 308 [1)]	018521
chassis (pre-finished)	988548
battery	901067
Blackout-Control BLC, external	988321
manual emergency power change-over, external	988331
GSM-modem for BLC 200	904849

EISEMANN T 13000E 082135

TOPLINE

el. capacity: 3~ cos	0,8	VA	13000
el. capacity: 1~ cos	0,8	VA	6000
voltage 3~		V	400
voltage 1~		V	230
current 3~		A	18,6
max. sum. current 1~		A	48
current 1~ (CEE)		A	26
current 1~ (Schuko)		A	16
max. starting current cos	0,6	A 3~	30
(with 20% voltage drop)		A 1~	55
frequency		Hz	50
generator			synchron., electr. reg.
safety class			IP 54
engine type		B&S	386447
number of cylinders			2
speed		U min^{-1}	3000
fuel type			gasoline
engine oil capacity		l	1,7
engine power		kW	13,8
cooling		engine/gen.	air/air
tank capacity		l	12,0
running time: 3/4 load		h	2,75
weight		kg	150 with batt.
dimension L x W x H		mm	820 x 440 x 580
noise power level L_{WA}		dB(A)	90
noise pressure		dB(A)	62

Fig. with optional equipment

Equipment
Tank in modular design, 1 three-phase current CEE socket (32 A),
1 alternative current CEE socket (32 A), 2 protective contact socket (16 A),
4-pol. therm./magn. cutout, running time counter
Delivery with battery!

Name	EAN-number	Order number
T 13000E	4038469021355	082135

Optional accessories	Order number
exhaust extraction hose	904872
earthing set	908250
remote starting FFS [1) 2) 4)]	908257
universal on-board computer UBC [1)]	908254
isolation control conform with GW 308 [1)]	018521
chassis (pre-finished)	988548+988549
battery	020316
Blackout-Control BLC, external	988323
manual emergency power change-over, external	988332

EISEMANN T 14000E 082136

TOPLINE

Equipment

Tank in modular design, 1 three-phase current CEE socket (32 A),
1 alternative current CEE socket (32 A), 2 protective contact socket (16 A),
4-pol. therm./magn. cutout, running time counter
Delivery with battery!

Name	EAN-number	Order number
T 14000E	4038469021362	082136

Fig. with optional equipment

el. capacity: 3~ cos 0,8	VA	13400
el. capacity: 1~ cos 0,8	VA	11000
voltage 3~	V	400
voltage 1~	V	230
current 3~	A	19,3
max. sum. current 1~	A	48
current 1~ (CEE)	A	26
current 1~ (Schuko)	A	16
max. starting current cos 0,6	A 3~	30
(with 20% voltage drop)	A 1~	55
frequency	Hz	50
generator		synchron., electr. reg.
safety class		IP 54
engine type	B&S	386447
number of cylinders		2
speed	U min^{-1}	3000
fuel type		gasoline
engine oil capacity	l	1,7
engine power	kW	13,8
cooling	engine/gen.	air/air
tank capacity	l	8,5
running time: 3/4 load	h	5,5
weight	kg	148 with batt.
dimension L x W x H	mm	820 x 440 x 580
noise power level L_{WA}	dB(A)	90
noise pressure	dB(A)	70

Optional accessories	Order number
exhaust extraction hose	904872
earthing set	908250
remote starting FFS [1) 2) 4)]	908257
universal on-board computer UBC [1)]	908254
isolation control conform with GW 308 [1)]	018521
chassis (pre-finished)	988548
battery	020316
Blackout-Control BLC, external	988323
manual emergency power change-over, external	988332

Our appliances are subject to ongoing improvements.
We therefore reserve the right to modify technical data and illustrations.

1) not available in connection with BLC
4) not available in connection with E-Start

2) not available in connection with UBC
5) not available in conn. with carr. handles or chassis

3) only in connection with adapter for exhaust extraction hose
6) factory installation only 7) only in connection with assembly-kit

EISEMANN T11010DE/T11011DE 082107/8

TOPLINE

el. capacity: 3~ cos	0,8	VA	11000/-
el. capacity: 1~ cos	0,8	VA	4000/11700
voltage 3~		V	400/-
voltage 1~		V	230/230
current 3~		A	15,8/-
max. sum. current 1~		A	17/41
current 1~ (CEE)		A	16/41
current 1~ (Schuko)		A	16/16
max. starting current cos	0,6	A 3~	22/-
(with 20% voltage drop)		A 1~	32/55
frequency		Hz	50
generator			synchron
safety class			IP 23
engine type		Mitsubishi	S3L2
number of cylinders			3
speed		U min^{-1}	1500
fuel type			Diesel
engine oil capacity		l	4,2
engine power		kW	9,6
cooling		engine/gen.	water/air
tank capacity		l	210
running time: 3/4 load		h	90
weight		kg	455
dimension L x W x H		mm	1560 x 735 x 1165
noise power level L_{WA}		dB(A)	85
noise pressure		dB(A)	57

Fig. with optional equipment

Equipment

Large tank, running time counter, fuel indicator, therm./magn. cutout, electronic oil alert
T11010DE: 1 three-phase current CEE socket (16 A), 1 alternative current CEE socket (16 A), 1 protective contact socket (16 A),
T11011DE: direct connection over terminal strip, 1 protective contact socket (16 A),
Delivery with battery!

Name	EAN-number	Order number
T11010DE	4038469021072	082107
T11011DE	4038469021089	082108

Optional accessories	Order number
water seperator with automatic stop	Serie
adapter for exhaust extraction hose	Serie
exhaust extraction hose	904872
RCD protection switch (w. earthing set)	904400
earthing set	908250
remote starting FFS [1) 2) 4)]	908252
universal on-board computer UBC [1)]	908254
isolation control conform with. GW308 [1) 6)]	018521
manual emergency power change-over, external	988331
Blackout-Control BLC 200 1~, external	988341
Blackout-Control BLC 200 3~, external	988342
GSM-modem for BLC 200	904849
Battery	901061
cooling water preheating	904836
trailer	988545
water proof sockets [6)]	903052

EISEMANN T15010DE/T15011DE 082111/2

TOPLINE

Equipment

Large tank, running time counter, fuel indicator, therm./magn. cutout, electronic oil alert
T15010DE: 1 three-phase current CEE socket (32 A), 1 alternative current CEE socket (16 A), 1 protective contact socket (16 A),
T15011DE: direct connection over terminal strip, 1 protective contact socket (16 A),
Delivery without battery!

Name	EAN-number	Order number
T15010DE	4038469021119	082111
T15011DE	4038469021126	082112

Fig. with optional equipment

el. capacity: 3~ cos	0,8	VA	15000
el. capacity: 1~ cos	0,8	VA	6000
voltage 3~		V	400
voltage 1~		V	230
current 3~		A	21,8
max. sum. current 1~		A	26
current 1~ (CEE)		A	26
current 1~ (Schuko)		A	16
max. starting current cos	0,6	A 3~	30
(with 20% voltage drop)		A 1~	32
frequency		Hz	50
generator			synchron
safety class			IP 23
engine type		Mitsubishi	S4L2
number of cylinders			4
speed		U min^{-1}	1500
fuel type			Diesel
engine oil capacity		l	6,0
engine power		kW	14
cooling		engine/gen.	water/air
tank capacity		l	210
running time: 3/4 load		h	65
weight		kg	510
dimension L x W x H		mm	1560 x 735 x 1165
noise power level L_{WA}		dB(A)	89
noise pressure		dB(A)	61

Optional accessories	Order number
water seperator with automatic stop	Serie
adapter for exhaust extraction hose	Serie
exhaust extraction hose	904872
RCD protection switch (w. earthing set)	904400
earthing set	908250
remote starting FFS [1) 2) 4)]	908252
universal on-board computer UBC [1)]	908254
isolation control conform with. GW308 [1) 6)]	018521
manual emergency power change-over, external	988331
Blackout-Control BLC 200 1~, external	988341
Blackout-Control BLC 200 3~, external	988342
GSM-modem for BLC 200	904849
Battery	901061
cooling water preheating	904836
trailer	988545
water proof sockets [6)]	903052

Firebrigade products from EISEMANN

Power generators conform DIN 14685

- **Approved power plants for hard use in the fire brigades and public authorities sector**
- **Best suitable for welding transformers, inverters, Ventilation equipment, pumps and electronic devices**

Vario Speed

- **Load-dependent speed control setting new standards**
- **Speed reduction in stand-by mode reduces noise exposure for the machinists**
- **Fuel economy up to 25%**

Maintenance-free generators

- **In practice, proven maintenance-free generators**
- **Protection class IP 54**

NEMP - save

- **Hardest checked generators without failure-prone components**
- **Highest reliability in disaster control and emergencies**

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We therefore reserve the right to modify technical data and illustrations.

1) not available in connection with BLC
4) not available in connection with E-Start

2) not available in connection with UBC
5) not available in conn. with carr. handles or chassis

3) only in connection with adapter for exhaust extraction hose
6) factory installation only 7) only in connection with assembly-kit

ECOLINE

Variable operation for more independence
Ecoline power generators

Electric tools have become indispensable in our everyday life today.
They are used for hobby or leisure reasons as well as for building or gardening works. However, if the next power outlet is far, power supply can create a problem.
It is then that an Ecoline power generator is the energy source to help you - the independent power supply you need.
No matter what you need to do: chiseling boat planks, building your home, lighting your garden,... - the Ecoline power generator supplies energy just as and when required.
The power range of 3700 W to 6,5 kVA supplies sufficient power reserves even for large appliances (E 7400). Operation is very easy with all Ecoline models.
Mounted on wheels, the Power-Packs are very flexible, offering almost unlimited operating range and full mobility.
Whereever you need energy:
Ecoline power generators will supply the power you need. You will be free to carry out all activities and works you need to do.

Made in Germany

EISEMANN E 4401 — 088441

Ecoline

Equipment
2 protective contact sockets (16 A),
cutout

Name	EAN-number	Order number
E4401	4038469084411	088441

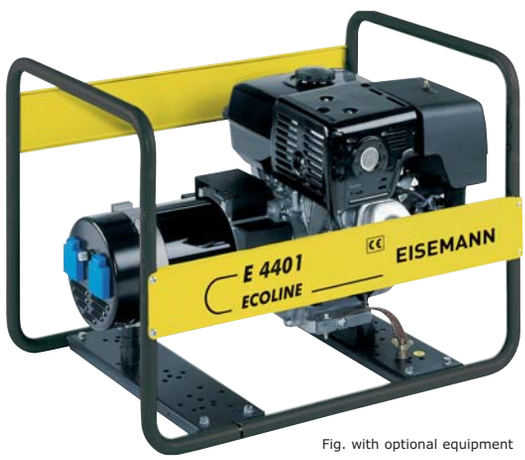

Fig. with optional equipment

el. capacity: 1~ cos 1,0	VA	3700
voltage 1~	V	230
max. sum. current 1~	A	16
current 1~ (Schuko)	A	16
max. starting current cos 0,6		
(with 20% voltage drop)	A 1~	16
frequency	Hz	50
generator		synchron
safety class		IP 23
engine type	Honda	GX 270 Low Noise
number of cylinders		1
speed	U min^{-1}	3000
fuel type		gasoline
engine oil capacity	l	1,1
engine power	kW	5,4
cooling	engine/gen.	air/air
tank capacity	l	5,9
running time: 3/4 load	h	3,3
weight	kg	60
dimension L x W x H	mm	740 x 500 x 530
noise power level L_{WA}	dB(A)	98
noise pressure	dB(A)	70

Optional accessories	Order number
exhaust extraction hose [3]	904872
adapter for exhaust extraction hose	904879
earthing set	908250
isolation control conform with GW 308 [1]	018520
chassis (pre-finished)	988548
lifting set	911643
carrying handles	900566
light pole	908510
gas kit [6]	by request

EISEMANN E 5400 — 088541

Ecoline

el. capacity: 3~ cos 0,8	VA	4500
el. capacity: 1~ cos 0,8	VA	2800
voltage 3~	V	400
voltage 1~	V	230
current 3~	A	6,5
max. sum. current 1~	A	12
current 1~ (Schuko)	A	12
max. starting current cos 0,6	A 3~	11
(with 20% voltage drop)	A 1~	21
frequency	Hz	50
generator		synchron
safety class		IP 23
engine type	Honda	GX 270 Low Noise
number of cylinders		1
speed	U min^{-1}	3000
fuel type		gasoline
engine oil capacity	l	1,1
engine power	kW	5,4
cooling	engine/gen.	air/air
tank capacity	l	5,9
running time: 3/4 load	h	3,3
weight	kg	72
dimension L x W x H	mm	740 x 500 x 530
noise power level L_{WA}	dB(A)	98
noise pressure	dB(A)	70

Fig. with optional equipment

Equipment
1 three-phase current CEE socket (16 A),
1 protective contact socket (16 A),
cutout therm./magn.

Name	EAN-number	Order number
E5400	4038469085418	088541

Optional accessories	Order number
exhaust extraction hose [3]	904872
adapter for exhaust extraction hose	904879
earthing set	908250
chassis (pre-finished)	988548
lifting set	911643
carrying handles	900566
light pole	908510
emergency power change-over, external	988331
gas kit [6]	by request

EISEMANN E 7400 088741

Ecoline

Equipment
1 three-phase current CEE socket (16 A),
1 protective contact socket (16 A),
cutout therm./magn.

Name	EAN-number	Order number
E7400	4038469087412	088741

Fig. with optional equipment

el. capacity: 3~ cos	0,8	VA	6500
el. capacity: 1~ cos	0,8	VA	2800
voltage 3~		V	400
voltage 1~		V	230
current 3~		A	9,4
max. sum. current 1~		A	12
current 1~ (Schuko)		A	12
max. starting current cos	0,6	A 3~	15
(with 20% voltage drop)		A 1~	18,5
frequency		Hz	50
generator			synchron
safety class			IP 23
engine type		Honda	GX 390 Low Noise
number of cylinders			1
speed		U min^{-1}	3000
fuel type			gasoline
engine oil capacity		l	1,3
engine power		kW	7,5
cooling		engine/gen.	air/air
tank capacity		l	6,5
running time: 3/4 load		h	2,4
weight		kg	78
dimension L x W x H		mm	740 x 500 x 530
noise power level L_{WA}		dB(A)	98
noise pressure		dB(A)	70

Optional accessories	Order number
exhaust extraction hose [3]	904872
adapter for exhaust extraction hose	904879
earthing set	908250
chassis (pre-finished)	988548
lifting set	911643
carrying handles	900566
light pole	908510
emergency power change-over, external	988331
gas kit [6]	by request

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Selection help for purchase of a generating set

1. Which **Voltage** is requested? — 230 V **O** — 230 / 400 V **O**

2. **Inductive consumer**: e.g.. Pumps, bench saw angle grinder **O** — **Ohmic consumer**: e.g.. incandescent lamp, Electro heating **O**

3. **Consumer:**	**Is used**	**Simultaneous operation**	**Power** (in Watt)
Housework:			
Hair dryer	**O**	**O**	_____W
Iron	**O**	**O**	_____W
Cooking plate	**O**	**O**	_____W
Toaster	**O**	**O**	_____W
Coffee machine	**O**	**O**	_____W
Air heater	**O**	**O**	_____W
Grill	**O**	**O**	_____W
Vacuum cleaner	**O**	**O**	_____W
Radio	**O**	**O**	_____W
Television	**O**	**O**	_____W
Refrigerator	**O**	**O**	_____W
Oven	**O**	**O**	_____W
Cooling chest	**O**	**O**	_____W
Electro tools:			
Drill machine	**O**	**O**	_____W
Drill hammer	**O**	**O**	_____W
Double grinder	**O**	**O**	_____W
hand-held circular saw	**O**	**O**	_____W
Electro plane	**O**	**O**	_____W
Jig saw	**O**	**O**	_____W
Angle grinder	**O**	**O**	_____W
Hedge trimmer	**O**	**O**	_____W
Electro units:			
Compressor	**O**	**O**	_____W
Water pump	**O**	**O**	_____W
Bench saw	**O**	**O**	_____W
High pressure cleaner	**O**	**O**	_____W
Heating pump	**O**	**O**	_____W
Electro welder	**O**	**O**	_____W
Plastic welder	**O**	**O**	_____W
Lawn mower	**O**	**O**	_____W
Chaff cutter machine	**O**	**O**	_____W
Milking machine	**O**	**O**	_____W
Air conditioner	**O**	**O**	_____W
Electro engine	**O**	**O**	_____W
Fan motor	**O**	**O**	_____W
Miscellaneous:	_____		_____W
	_____		_____W
Total power:			_____W

4. Which **fuel** is prefered? Petrol **O** Diesel **O** Gas **O**

5. Which **starter type** is prefered? Hand **O** Electro **O**

6. Sould the genset have an **extra low noise level**? *1 Yes **O** No **O**

7. Du You prefer to **weld** with the genset? Yes **O** No **O**

8. In case yes with welder type? Electro **O** Diameter of electrode _____mm

Inert gas **O** Welding current _____A

Plastic pipes **O** Diameter of pipe _____mm

9. How many **operating hours** in stady state? _____h

10. Is an **operating time counter** needed? Yes **O** No **O**

11. Is an **isolation control** needed? *2 Yes **O** No **O**

12. Is the **GW 308** needed? *3 Yes **O** No **O**

13. Is a **Fi-Protection switch** needed? (Earthing set inclusive) Yes **O** No **O**

14. Are **water protected sockets (IP68)** needed? Yes **O** No **O**

15. Is a **Exhaust pipe** with **adapter** needed? *4 Yes **O** No **O**

16. Is a **chassis / trailer** needed Yes **O** No **O**

17. Is a **loading device** needed? Yes **O** No **O**

18. Is a **voltmeter** needed? Yes **O** No **O**

19. Is a **amperemeter** needed? Yes **O** No **O**

20. Is a **light pole mast** needed? Yes **O** No **O**

21. Is a **emergency automatic supply** needed? *5 Yes **O** No **O**

22. Is a **BLC** needed? *6 Yes **O** No **O**

By requests:

Company: _____

Arranger: _____

Telephone: _____

***1** Noise power level <= 91 db(A)
***2** Status signal by isolation failure by signal lamp
***3** Isolation control with switch off according to standard GW 308
***4** **Attention !!!** Exhaust pipe is not gastight, not for operation in closed rooms
***5** Automatic On-Off of the genset by mains failure-mains return for all gensets from 11 kVA (high end solution).
***6** Automatic On-Off of the genset by mains failure - mains return for all gensets with E-Start.

Application overview

(Our appliances are subject to ongoing improvements. We therefore reserve the right to modify technical data

Appliances max. intake capacity in W with nominal voltage	230 V	H 2801	H 2901	H 4401 (E)	H 5400 (E)	H 7400 (E)	H 10000	H 10000 E	H 13000 E	H 6400 D(E)		P 4401 (E)	P 7401 (E)	P 10001 E	P 2401 D	P 4401 D	P 4401 DE	P 11000 DE	P 11011 DE	P 15010 DE	P 15011 DE		S 6400(D)	S 6400(D)E	S 6401(D)	S 6401(D)E	S 10000 E		T 2500		T 6600 E	T 9000 E	T 13000 E	T 14000 E
Electric tools/	400	■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■	■		■	■	■	■	■		■		■	■	■	
devices	800	■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■	■		■	■	■	■	■		■		■	■	■	
e.g.: refrigerators,	1200		■	■	■	■	■	■	■	■		■	■	■		■	■	■	■	■	■		■	■	■	■	■				■	■	■	
high-press cleaners,	1600		■	■	■	■	■	■	■	■		■	■	■			■	■	■	■	■		■	■	■	■	■				■	■	■	
lawn mowers,	2400			■	■	■	■	■	■	■			■	■				■	■	■	■										■	■	■	
garden shredders,	3200					■	■	■	■				■	■				■	■	■	■										■	■	■	
compressors,	4600						■	■	■				■	■					■		■											■	■	
water pumps	5400								■					■					■		■												■	■	
	6200								■										■		■												■	■	
Hand-driven electric tools																																		
e.g.:	500	■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■	■		■	■	■	■	■		■		■	■	■	
drills, hammer drills	1500	■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■	■		■	■	■	■	■		■		■	■	■	
circular hand saws,	2100		■	■	■	■	■	■	■	■		■	■	■		■	■	■	■	■	■		■	■	■	■	■				■	■	■	
angular grinders,	2400			■	■	■	■	■	■	■		■	■	■		■	■	■	■	■	■		■	■	■	■	■				■	■	■	
superfinishers, hedge	3000			■	■	■	■	■	■	■			■	■				■	■	■	■		■	■	■	■	■				■	■	■	
clippers, electric planes,	3400					■	■	■	■	■			■	■					■	■	■				■	■					■	■	■	
jig saws	3700					■	■	■	■	■			■	■					■		■				■	■					■	■	■	
	4200					■	■	■	■				■	■					■		■										■	■	■	
	5500						■	■	■				■	■					■		■											■	■	
Electric devices	6500						■	■	■					■					■		■												■	■	
e.g.:																																		
TV, radio,	700	■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■	■		■	■	■	■	■		■		■	■	■	
flood lighter, lamps,	2000	■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■	■		■	■	■	■	■		■		■	■	■	
coffee machines,	2400	■	■	■	■	■	■	■	■	■		■	■	■	■		■	■	■	■	■		■	■	■	■	■				■	■	■	
hobs, ovens,	3000			■	■	■	■	■	■	■		■	■	■		■	■	■	■	■	■		■	■	■	■	■				■	■	■	
blow heaters,	3400			■	■	■	■	■	■	■		■	■	■				■	■	■	■		■	■	■	■	■				■	■	■	
immersion heaters	4000					■	■	■	■	■			■	■				■	■	■	■				■	■					■	■	■	
	4500					■	■	■	■				■	■					■	■	■				■	■					■	■	■	
	5800						■	■	■				■	■					■	■	■											■	■	
	7000						■	■	■					■					■		■												■	■	
	9000								■					■					■		■												■	■	
Welding machines e.g.:	10000								■										■		■												■	■	
	El.-Ø mm																																	
Lorch Handy S200	2,50		■	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■	■		■	■	■	■	■				■	■	■	
Lorch ISI 3 CL	3,25		■	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■	■		■	■	■	■	■				■	■	■	
Lorch ISITIG 220 GW	4,00								■										■	■	■						■						■	■	
	5,00																																	
Plastics Welding																																		
devices e.g.:																																		
Hürner HNSC 40									■					■				■	■	■	■												■	■
Plasson Universal 2903M									■					■				■	■	■	■												■	■
Plasson Universal-Plus						■	■	■	■				■	■				■	■	■	■											■	■	■
Plasson Typ ABF/180						■	■	■	■				■	■				■	■	■	■											■	■	■
Frank HNSC 400							■	■	■				■	■				■	■	■	■												■	■
FIP HWSC 400							■	■	■				■	■				■	■	■	■												■	■
Friatec FWA 315							■	■	■				■	■				■	■	■	■												■	■

400 V	T 13000 E	T 14000 E	T 11010 DE	T 11011 DE	T 15010 DE	T 15011 DE				E 4401	E 5400	E 7400	H 5400	H 5400 E	H 7400	H 7400 E	H 10000	H 10000 E	H 13000 E	H 6400 D	H 6400 DE		P 11010 DE	P 15010 DE		S 6400(D)	S 6400(D)E	S 10000 E		T 6600 E	T 9000 E	T 13000 E	T 14000 E	T11010DE	T15010DE		E 5400	E 7400
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15000																																						
Nom. Weld. current in A																																						
105																																						
120																																						
130																																						
160																																						
200																																						
220																																						
300																																						

Interesting and worth knowing – Information about Eisemann power generators

Performance data
All performance data given are based on the relevant European and international standards. Performance is specified in kilowatt (kW) or kVA. Eisemann gives full particulars about the starting current of its generators. While our competitors make only global specifications, Eisemann power generators come with exact details about the actually attainable starting current in Ampere with cos ϕ 0,6 (equals heavily starting appliance).

Voltage and frequency tolerance
The power generators' voltage and frequency is very stable within the nominal range of performance (DIN 6280/ISO 8528). Voltage tolerance between no-load and full load operation amounts to ±10 %, conform with DIN 6280 T.10/ISO 8528 T.8 without voltage regulator and ±8 % for appliances with compoundtransformer or ±5 % with voltage regulator.

Generator
Eisemann uses single-phase, brushless sychnronous generators. These generators are low in maintenance and short-circuit-proof. Three-phase synchronous generators are equipped with com-pound or electronic control. They are oversized to up to 50 %.
Thus, they excel with large power reserves for starting inductive appliances as well as a long lifetime. Concerning nominal data, wave forms, currents and voltages, heating, isolation and short-circuit-proof, they comply with the respective regulations in VDE 0530 Part and DIN 6280 Part 10 and/or ISO 8528 Part 8.
We recommend you to use an Eisemann aggregate with synchronous generator for the operation of electric motors, e.g. circular hand saws and welding devices.

Noise suppression
All devices comply with noise suppression degree N conform with VDE 0875 Part 3 and VDE 0879 Part 1.

Engine
We employ established industry engines produced by well-known manufacturers. The engines work in a speed range of 3000 min^{-1} or 1500 min^{-1}, an optimum torque being achieved with low loads.

Selection criteria: petrol or diesel?

Petrol engines
Unleaded petrol is convenient for mobile use in intermittent operation.

The Advantages of engines using OHV technology
- Reliability and long lifetime
- Reduced fuel consumption and less exhaust emission
- Noise reduction
- Maintenance-free transistor ignition
- Good starting behaviour

Diesel engines
They may be much heavier, but they are also much more robust and thus well suited for longer operation. Fuel consumption is 50% less with the more economical diesel aggregates.
Even the small diesel engines are equipped with automatic decompression and reserved starting and can easily be started manually.

Engine protection
The poetrol engines are equipped with automatic shut down if low oil level or oil pressure are detected to protect the engine from damages. Hatz diesel engines with E-start are equipped with the same control unit and automatic shut down.

Electric safety
Eisemann power generators conform with the established European standards. They are built according to national and international regulations.

Safety measures
Protection against direct touch
All parts of an Eisemann power generator at which alternative current of > 25 V or direct current of > 60 V can occur are protected against touch.

Isolation
Isolation is employed as a safety measure (VDE 0100 Part 551).
With the safety measure "Isolation", all conductive parts of the generator casing with protective contact of the socket are connected with the metal parts of the connected appliances via flexible conductors. Since the ground wire is used for potential equalisation here, no additional safety measures are needed.

Isolation with isolation control
Eisemann power generators with optional isolation control are conform with the requirements of the DVGW-direction GW 308 for the use of mobile power generators for pipeline works.
- Increased safety, particularly with civil engineering works, works at gas or water pipes or in humid surroundings
- Monitoring of all connected appliances, of the supply line and the power generator during operation
- No earthing via earthing pike and earthing cable necessary
- Increased line length: The sum of all connected lines may have a length of up to 250 m
- Daily functionality control of the isometers via control button
- Automatic shut-down if an error occurs
- Special requirements for works in conductive areas with limited freedom of movement: According to VDE 0100 Part 706, only one appliance may be connected to the power generator

IP-safety class

Protection against foreign bodies and touch as well as intrustion of water.

1. The generator safety class is controlled in compliance with DIN/VDE 0530; the connection box in compliance with DIN/VDE 0470
2. Eisemann power generators are conform with DIN 6280 Part 10 for safety class IP 54. This safety class is conform with VDE 0100/DIN 57100 Part 704 for power generators on construction sites.

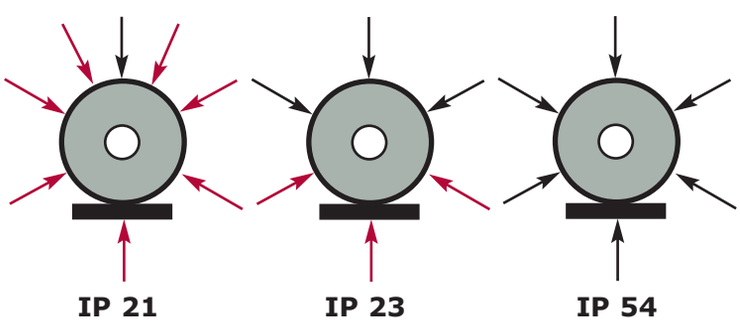
IP XX

First number: Protection against foreign bodies and touch	Second number: Protection against water
0 no protection	**0** no protection
1 foreign body > 50 mm	**1** Dripping water perpendicular
2 foreign body > 12 mm	**2** Dripping water at an angle of up to 15° against the perpendicular
3 foreign body > 2,5 mm	**3** Spray at an angle of up to 60° against the perpendicular
4 foreign body > 1 mm	**4** Splash water from all directions
5 dust protected	**5** Water jets from all directions

Splash water direction:

= no danger

= danger !



CE-sign

EG conformity declaration according to the relevant EG machine regulations. A certificat is available for each power generator.

Noise emission (volume)

Noise power L_{WA} in dB(A)/pW. Power generators equipped with the epsilon symbol are licensed for use on construction sites in the EU. They are tested for type examination and conform with the regulations 84/532 EWG and 84/536 EWG.

Label "Blue Angel"

Power generators marked with this label are particularly low in noise emission.
Their noise power level L_{WA} is below 91 dB (A)/pW.

Quality control

Each power generator is subjected to a test run with performance measurement and a final testing before it leaves the manufacturer.

Guarantee

Legal warranty is granted.

Hotline: ++49 7267 806166

EISEMANN

Isolation control

Isolation control conform with GW 308: Additional safety measures against accidental contact voltage with signal lamp and automatic cut-out. It is applied very often in the field of pipe installation for gas and water.

Isolation control, external

Isolation control conform with GW 308: Additional safety measures against accidental contact voltage with signal lamp and automatic cut-out. It is applied very often in the field of pipe installation for gas and water.
External, only for 230V.

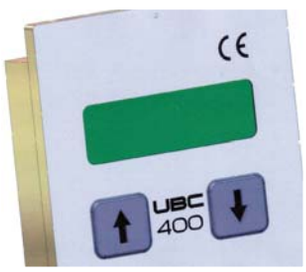
Emergency power change-over, external

The manual emergency power change-over is a simple and cost effective solution of a electricity grid replacement plant.
Available in single- and in three-phase design.
See page 19 for description.

Blackout-control BLC

Automatic emergency current.
Automatic switching on of the power generating system (E-Start) in case of power failure in the network. Available in single- and in three-phase design.
See page 19 for description.

Universal on-boardcomp.



This newly developed universal on-board computer UBC 400 displays the values that are important for the operation of the power generator.
See page 8 for detailed description..

Remote starting

Enables remote starting and stopping of the generator. Reliably starts and stops the driving motor when radio impulses are received from the radio transmitter.
See page 9 for description.

Air pre-heating

The air pre-heating heats up the intake air of the engine to avoid the icing of the carburettor in extremely cold conditions.
See page 9 for description.

Earthing set

Consisting of
earthing cable (16 mm², 5 m length) and earthing pike (45 cm length).

Exhaust extraction hose

Flexible metal tube to discharge exhaust fumes. Length 1,5 to 3m (depends on type).
Do not operate in enclosed rooms.
Attention! Risk of poisoning!

Adapter f. exh. extr. hose

Necessary for the connection of the exhaust extraction hose.

Gas kit

For operation with liquid gas.
Attention! The gas plant has to be certified

Battery

For operating power generators with E-start.

Carrying handles

For devices with tubular frames and steel tank (see overview accessorie). With instructions for easy installation or retro-fitting.

Chassis

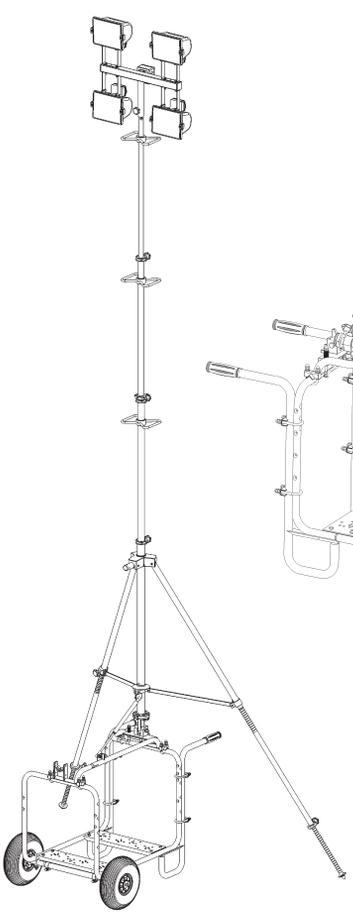
For devices with tubular frames. With instructions for easy installation or retro-fitting.

Lifting set

For devices with tubular frames. With instructions for easy installation or retro-fitting

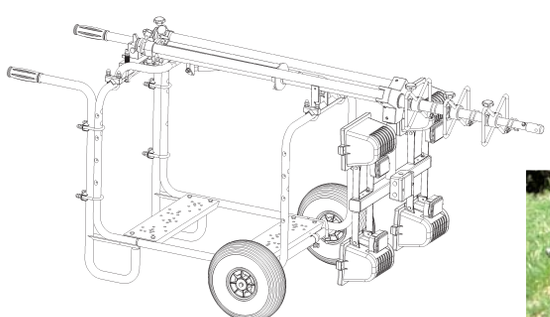
50l-/100l/150l-fuel tank

50l/100l/150l fuel tank for extra long operating time.
Dimensions (L x B x H):
50l-tank: 790mm x 550mm x 150mm
100l-tank: 790mm x 550mm x 280mm
150l-tank: 790mm x 550mm x 410mm
(50l-tank ca. 32 kg incl. accessories)
(100l-tank ca. 43 kg incl. accessories)
(150l-tank ca. 78 kg incl. accessories)



Professional folding light pole

For the lighting of construction sites, obbjects, scenes of accident, etc. 4 x 500W floodlighter, max hight 4,4m. With manual for easy assembly directly at the generator. The light pole is easily mounted and can be folded up compactly for transport in no time.
Absolutely robust professional design for daily use on construction sites.
Incl. fuy wires and seting wedges for strom steadying.



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Release 03.2010