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# BATTERY CHARGERS, AGGREGATES





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## 35. BATTERY CHARGERS, AGGREGATES

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## VOLTAGE CONVERTERS 12 V / 230 V

- converts 12 V voltage to 230 V alternating voltage (modified sine wave)
- primary/secondary isolation
- soft start
- 100 % output short circuit protection
- continuous power (running with full load)
- switches off the connected device if the battery voltage drops to 10,5 V
- efficiency 85 %
- cooling fan
- application e.g.
  - cars, mobile home and boats
  - audio- and video devices: televisions, videos, videogames, home stereos
  - portable office devices: printers, computers, fax devices, 14" screens
  - battery chargers: portable computer -, mobile phone and video camera battery chargers
- packing size: 1



Order no.	Max. output power	Dimensions	Weight	EAN
IKH7244	200 W	190 x 100 x 70 mm	0,8 kg	6418914508910
IKH7245	400 W	220 x 100 x 70 mm	1,0 kg	6418914508927
IKH7246	600 W microwave protection	210 x 210 x 80 mm	2,1 kg	6418914508934
IKH7247	1000 W microwave protection	300 x 210 x 80 mm	3,3 kg	6418914508941
IKH7248	1200 W microwave protection	300 x 210 x 80 mm	3,3 kg	6418914508958

## Battmax BATTERY CHARGERS

- supply voltage 230 V
- charging voltage 12 V
- frequency 50-60 Hz
- plastic casing equipped with handle
- 1,5 m charging cables can be stored on the handle

- current cable 2 m
- plug on the front side for connecting the charging cables - ensures connecting to right poles
- ammeter indicates the intensity of charging current
- for universal batteries



Order no	4 A 12 V BBC04	6 A 12 V BBC06	8 A 12 V BBC08	8/12 A 6/12 V BBC12	6 A 12 V BBC6E With electronic charger
Charging current	4 A	6 A	8 A	8 A / 12 A	6 A
Chargin voltage	12 V	12 V	12 V	6 V / 12 V	12 V
Suitability	motor cycle and passenger car batteries	motor cycle, passenger car and truck batteries	motor cycle, passenger car, truck and tractor batteries	motor cycle, passenger car, truck and tractor batteries	motor cycle, passenger car, truck and tractor batteries
Other characteristics			• normal/rapid charging	• normal/rapid charging	• fully automatic electronic charger • LEDs shows each charging phase • overcharging not possible • suitable for continuous use e.g. caravans and boats • suits for winter charging of boats and motor cycles
Weight	appr. 1,2 kg	appr. 1,5 kg	appr. 2,1 kg	appr. 3,3 kg	appr. 3,3 kg
Dimensions	170 x 95 x 170 mm	170 x 95 x 170 mm	170 x 95 x 170 mm	170 x 110 x 320 mm	170 x 110 x 320 mm
EAN	3165141011203	3165141011654	3165141011739	4047024060456	3165141011753



**VOLTAGE CONVERTER  
24 V / 230 V**

**IKH7320**

- converts 12 V voltage to 230 V alternating voltage (modified sine wave)
- output power 600 W
- short-circuit power 1500 W
- efficiency 85 %
- cooling fan
- thermal protection  $60 \pm 10^{\circ}\text{C}$
- soft start
- short circuit protection
- battery high protection
- battery low protection
- overload protection
- fuse 20 A
- application e.g.
  - cars, mobile home and boats
  - audio- and video devices: televisions, videos, videogames, home stereos
  - portable office devices: printers, computers, fax devices, 14" screens
  - battery chargers: portable computer -, mobile phone and video camera battery
- dimensions: 21 x 21 x 8 cm
- weight 2,1 kg
- packing size: 1/6
- EAN 6418914531604



**VOLT CONVERTER  
24 V/12 V 10 A**

**IKH7319**

- input voltage DC 20-28 V
- output voltage DC 12-14,5 V
- output power (continuous) 10 A
- air cooling
- polarity reverse
- short-circuit protection
- overload protection
- packing size: 1/30
- EAN 6418914531598



**AUTOMATIC  
SWITCH MODE BATTERY CHARGER  
14,4 V / 3,8 A**

**TEL010**

- for 1,2-120 Ah batteries
- suitable for all lead acid batteries, for most AGM batteries and for GEL, MF and VRLA batteries
- normal charging 0,8 - 3,8 A/14,4 V
- charges also gelled-electrolyte batteries 100% (operating with impulse function and raises the voltage at the end of the charging up to 14,7 V)
- functions of the charger enables even recovery of "dead" battery
- can be switched all the time
- for cars, motorbikes, caravans, snowmobiles, grass mowers, boats etc.
- protection class IP65
- packing size: 1
- EAN 4892603649030



**AUTOMATIC  
BATTERY CHARGER 12 V**



**TEL013**

- user-friendly automatic charger for wet batteries, gel batteries and AGM batteries
- charge regions: 0,8 A / 2,0 A / 4,0 A
- suitable for continuous use
- equipped with three cables:
  - with alligator clips
  - with screw clips
  - clip for cigarette lighter
- for cars, motor cycles, boats, mopeds, motor sledges, grass mowers, water scooters etc.
- protection class IP54
- packing size: 1
- EAN 8004897712482



## BATTERY CHARGERS


- mains voltage 230 V
- earthed according to class 1
- protection class IP 20
- packing size: 1

	<b>12 / 24 V</b> Nevada 15		<b>Automatic</b> <b>12 V</b> Nevatron 12	
<b>Order no.</b>	<b>TEL015</b>		<b>TEL012</b>	
<b>Suitability</b>	12 / 24 V lead acid batteries		12 V lead acid batteries and sealed batteries (gel)	
<b>Charging voltage</b>	12 V / 24 V		12 V	
<b>Charging current</b>	9 - 4,5 A		6 A	
<b>Power</b>	110 W		90 W	
<b>Other features</b>	<ul style="list-style-type: none"> <li>• protected against overload and polarity reversal</li> <li>• ammeter</li> </ul>		<ul style="list-style-type: none"> <li>• electronic control of charging current</li> <li>• automatic interruption and restart</li> <li>• warning leds: interference, charging, full, connected to mains current</li> </ul>	
<b>Dimensions</b>	L95, W190, H180 mm		L95, W190, H180 mm	
<b>Weight</b>	2,5 kg		2,1 kg	
<b>EAN</b>	8004897312637		8004897312644	

## BATTERY CHARGERS

- mains voltage 230 V
- earthed according to class 1
- protection class IP 20
- packing size: 1



			
	<b>12 V</b> Nevabost 140	<b>12 V</b> Leader 150	<b>12 / 24 V</b> Leader 400
<b>Order no.</b>	<b>TEL020</b>	<b>TEL150</b>	<b>TEL205</b>
<b>Suitability</b>	12 V lead acid batteries	12 V lead acid batteries	12 and 24 V lead acid and electrolyte batteries (over 20 Ah)
<b>Charging voltage</b>	12 V	12 V	12 / 24 V
<b>Charging current</b>	20 A	20 A	30 A
<b>Starting current</b>	50 - 100 A	140 A	180 A
<b>Power</b>	230 W		1 / 6,4 kW
<b>Other features</b>	<ul style="list-style-type: none"> <li>• protected against overload and polarity reversal</li> <li>• ammeter</li> </ul>	<ul style="list-style-type: none"> <li>• selector for normal charge, quick charge and starting charge</li> <li>• ammeter</li> </ul>	<ul style="list-style-type: none"> <li>• protected against overloads, overcharge and polarity reversal</li> <li>• selector for normal charge, quick charge and starting charge</li> <li>• ammeter</li> </ul>
<b>Dimensions</b>	L170, W250, H165 mm	L225, W290, H205 mm	L270, W350, HK230 mm
<b>Weight</b>	5,3 kg	6,6 kg	10 kg
<b>EAN</b>	8004897641430	8004897641478	8004897654270

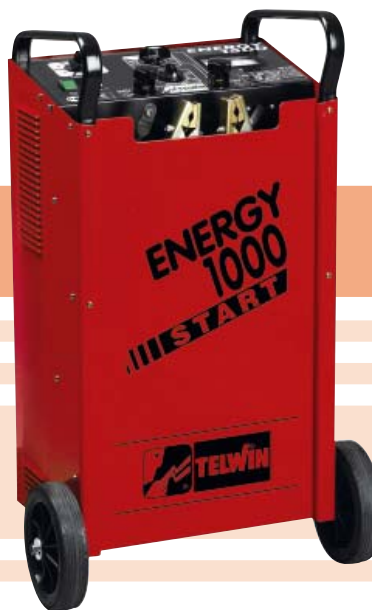
		
	<b>12 / 24 V</b> Dynamic 520	<b>12 / 24 V</b> Dynamic 620
<b>Order no.</b>	<b>TEL520</b>	<b>TEL620</b>
<b>Suitability</b>	12 ja 24 V lead acid batteries	12 ja 24 V lead acid batteries
<b>Charging voltage</b>	12 / 24 V	12 / 24 V
<b>Charging current</b>	75 A	90 A
<b>Starting current</b>	max. 400 A	max. 570 A
<b>Power</b>	1,6 / 10 kW	2 / 10 kW
<b>Other features</b>	<ul style="list-style-type: none"> <li>• protected against overload and polarity reversal</li> <li>• selector for normal charge, quick charge and starting charge</li> <li>• display of charging and starting current</li> <li>• timer for quick charge</li> <li>• equipped with wheels</li> </ul>	<ul style="list-style-type: none"> <li>• selector for normal charge, quick charge and starting charge</li> <li>• timer for quick charge</li> <li>• ammeter</li> <li>• equipped with wheels</li> </ul>
<b>Dimensions</b>	L320, W480, H735 mm	L365, W460, H755 mm
<b>Weight</b>	24 kg	25 kg
<b>EAN</b>	8004897601960	8004897732862

## BATTERY CHARGERS

- mains voltage 230 V
- earthed according to class 1
- protection class IP 20
- packing size: 1



	<b>12 / 24 V</b> Energy 1000 Start
<b>Order no.</b>	<b>TEL1000</b>
Suitability	12 ja 24 V lead acid batteries
Charging voltage	12 / 24 V
Charging current	100 A
Starting current	max. 1000 A
Power	2,5 / 20 kW
Other features	<ul style="list-style-type: none"> <li>• selector for normal charge, quick charge and starting charge</li> <li>• timer for quick charge</li> <li>• remote control</li> <li>• ammeter</li> <li>• equipped with wheels</li> </ul>
Dimensions	L380, W560, H885 mm
Weight	45 kg
EAN	8004897365398



## START BOOSTERS

- for 12 and 24 V systems
- battery type: hermetic rechargeable lead battery
- automatic stop of starting current
- packing size: 1



	<b>12 V / 1000 A</b> SpeedStart 1000	<b>12 V / 1500 A</b> SpeedStart 1500	<b>12 V / 1500 A with inverter</b> SpeedStart 1550 Inverter	<b>12/24 V / 600 A</b> StartPlus 1524
<b>Tuoteno.</b>	<b>TEL200</b>	<b>TEL202</b>	<b>TEL203</b>	<b>TEL1224</b>
Battery capacity	17 Ah	38 Ah	38 Ah	38 Ah
Output current	max. 1000 A, starting current 300 A	max. 1500 A, starting current 600 A	max. 1500 A, starting current 600 A	max. 1500 A, starting current 600 A
Cable length	60 cm	60 cm	60 cm	1,8 m
Light	3,6 W	3,6 W	3,6 W	-
Output socket	12 V DC /max current 15 A	12 V DC /max current 15 A	cigar-lighter outlet 12 V DC, max. current 15 A + Schuko-outlet 230 V/50Hz	12 V DC
Other features	<ul style="list-style-type: none"> <li>• output overload protection</li> <li>• cigar-lighter outlet 12 V DC</li> </ul>	<ul style="list-style-type: none"> <li>• overload protection in outlet</li> <li>• cigar-lighter outlet 12 V DC</li> </ul>	<ul style="list-style-type: none"> <li>• overload protection in outlet</li> <li>• battery overvoltage protection</li> <li>• cigar-lighter outlet 12 V DC</li> </ul>	<ul style="list-style-type: none"> <li>• overload protection in outlet</li> </ul>
Weight	8,5 kg	16,5 kg	16,5 kg	20 kg
Equipment	<ul style="list-style-type: none"> <li>• input device 12 VDC/500 mA output</li> <li>• connection cable input/output</li> </ul>	<ul style="list-style-type: none"> <li>• input device 12 VDC/1200 mA output</li> <li>• connection cable input/output</li> </ul>	<ul style="list-style-type: none"> <li>• input device 12 VDC/1200 mA output</li> <li>• connection cable input/output</li> </ul>	<ul style="list-style-type: none"> <li>• input device</li> <li>• charging clamps</li> </ul>
EAN	8004897505510	8004897505527	8004897635941	8004897683881

**BOOSTER CABLES**



**120 A**

**X200100**

- cable size 16 mm<sup>2</sup>/105 wires
  - length 2,5 m
  - packing size: 1/20
- EAN 6418914152175



**300 A**

**AK300**

- cable size 25 mm<sup>2</sup>/158 wires
  - length 3,5 m
  - strong clamps
  - packing size: 1/10
- EAN 6418914616141



**400 A**

**AK400**

- cable size 35 mm<sup>2</sup>/250 wires
  - length 3,5 m
  - strong clamps
  - packing size: 1/8
- EAN 6418914616158



**500 A**

**X2030308**

- cable size 50 mm<sup>2</sup>/314 wires
  - length 4,5 m
  - strong casted clamps
  - packing size: 1/6
- EAN 6418914152212



**BOOSTER CABLES  
400 A**

**XK6023**

- cable size 350 mm<sup>2</sup>
  - length 3,5 m
  - packing size: 1/50
- EAN 6418914538115



**BATTERY ACIDATION  
DEVICE, manual**

**XGSM1**

- for filling vehicle's batteries
  - siphon type (also for distilled water)
  - equipped with telescopic suction hose max. 700 mm
  - includes two cone adapters, fits for Ø 32-75 mm filling hole
  - packing size: 1/10
- EAN 64189141617520



**ANTI-FREEZE  
TESTER,  
quick**

**XAA2319**

- sclae -12 – -43 °C
  - plastic
  - packing size: 1/100
- EAN 6418914152960



**BATTERY POST &  
TERMINAL  
CLEANER**

**XGF432**

- 110 x 125 mm
  - 82 g
  - packing size: 1/12/72
- EAN 6418914155091



**ACCUMULATOR  
TERMINAL BRUSH**

**XAT1104**

- metal cover
  - packing size: 1/10/100
- EAN 6418914154353



**VOLTAGE VARIATION  
PROTECTOR  
for aggregate use**

**SL05086**

- between aggregate and inverter
  - protects inverter from the voltage peaks of aggregate 230 V–400 V
  - packing size: 1
- EAN 8427338041352

# AGGREGATES



Gasoline-powered



GE2500

Outputs:  
2 x 16 A 230 V Schuko

Gasoline-powered



GE5000

Outputs:  
2 x 16 A 230 V Schuko

Gasoline-powered



GE1700

Outputs:  
2 x 16 A 230 V Schuko

Gasoline-powered



GE3500

Outputs:  
2 x 16 A 230 V Schuko

	<b>1,65 kW</b> R 1700i	<b>2,5 kW</b> ZIP2500R	<b>3,3 kW</b> CLICK 3500R	<b>4,4 kW</b> CLICK 5000R
<b>Order no.</b>	<b>GE1700</b>	<b>GE2500</b>	<b>GE3500</b>	<b>GE5000</b>
	<ul style="list-style-type: none"> <li>portable inverter-aggregate manufactured with the latest technology</li> <li>due to really steady power output can be used with computers and other sensitive electronics</li> </ul>	<ul style="list-style-type: none"> <li>synchrone generator without carbon blocks</li> <li>self regulating and tensioning</li> </ul>	<ul style="list-style-type: none"> <li>synchrone generator without carbon blocks</li> <li>self regulating and tensioning</li> </ul>	<ul style="list-style-type: none"> <li>synchrone generator without carbon blocks</li> <li>self regulating and tensioning</li> </ul>
<b>Voltage</b>	230 V - 50 Hz	230 V - 50 Hz	230 V - 50 Hz	230 V - 50 Hz
<b>Effective output</b>	max. 1,65 kW continuous power: glow bulbs and heaters 1350 W fluorescent lamps and electric tools 700 W mercury vapour lamps 400 W pumps and compressors 300 W	continuous power 2,5 kW	continuous power 3,3 kW	continuous power 4,4 kW
<b>Output current</b>	7,2 A	11 A	14,5 A	19 A
<b>Protection class</b>	IP 23	IP 23	IP 23	IP 23
<b>Noise level</b>			97 dB	
<b>Weight</b>	19 kg	36 kg	40 kg	65 kg
<b>Dimensions</b>	L470, W290, H420 mm	L600, W395, H445 mm	L600, W395, H445 mm	L745, W520, H590 mm
<b>Motor</b>	<ul style="list-style-type: none"> <li>Subaru EH09 OHV</li> <li>fuel: gasoline (four-cycle)</li> <li>tank capacity 4 l</li> <li>operating time 4 h</li> <li>pull-in start up</li> </ul>	<ul style="list-style-type: none"> <li>Subaru EX OHC</li> <li>fuel: gasoline (four-cycle)</li> <li>rotation speed: 3000 rpm</li> <li>5,7 hp</li> <li>air cooling</li> <li>tank capacity 3,6 l</li> <li>operating time 2 h</li> <li>pull-in start up</li> </ul>	<ul style="list-style-type: none"> <li>Subaru EX21</li> <li>fuel: gasoline (four-cycle)</li> <li>rotation speed: 3000 rpm</li> <li>7 hp</li> <li>air cooling</li> <li>tank capacity 3,6 l</li> <li>operating time 2 h</li> <li>pull-in start up</li> </ul>	<ul style="list-style-type: none"> <li>Subaru EX27 OHC</li> <li>fuel: gasoline (four-cycle)</li> <li>rotation speed: 3000 rpm</li> <li>9 hp</li> <li>air cooling</li> <li>tank capacity 19 l</li> <li>operating time 9 h</li> <li>pull-in start up</li> </ul>
<b>Packing size</b>	1	1	1	1
<b>EAN</b>	6418914533127	6418914533134	6418914543089	6418914533141

## INFORMATION OF WATTAGES:

- electric charge of **glow bulbs and electric stoves** etc. need the same wattage in starting and in maintenance
- electric motors** require high starting current - required power depends on motor type and the usage: when sufficient voltage level has been reached to start the motor it needs only 30 - 50 % of the wattage to continue
- the most electric tools** need 1,2 - 3 times the wattage to operate under load, for example 5000 W generator can supply power for 1800 - 4000 W electric tool
- submersible pumps and air compressors** require extremely high starting current (3 - 5 times higher wattage), for example 5000 W generator can supply power for only 1000 - 1700 W pump

**AGGREGATES**



**Gasoline-powered**

Outputs:  
1 x 16 A 230 V  
1 x 16 A 400 V

GE7800



**Diesel-powered**

Outputs:  
1 x 16 A 230 V Schuko  
1 x 32 A 230 V euro

GE3700

	<b>6,4 kW / 4,2 kW</b> COMBIPLUS 7800R	<b>3,2 kW</b> COMBIPLUS 3700LE
<b>Order no.</b>	<b>GE7800</b>	<b>GE3700</b>
	<ul style="list-style-type: none"> <li>• 3-phase synchronous generator</li> <li>• self-regulating</li> <li>• automatic fuses, hour meter</li> </ul>	<ul style="list-style-type: none"> <li>• 1-phase</li> <li>• battery included</li> </ul>
Voltage	400 V/230 V - 50 Hz	230 V - 50 Hz
Effective output	6,4 kW/400 V, 4,2 kW/230 V	3,2 kW 230 V
Output current	15 A / 22 A	14 A
Protection class	IP 23	IP 23
Weight	98 kg	80 kg
Dimensions	L810, W550, H590 mm	P810, L550, K680
Motor	<ul style="list-style-type: none"> <li>• Subaru EH41</li> <li>• fuel: gasoline</li> <li>• speed of rotation 3000 rpm</li> <li>• 13,5 hp</li> <li>• air cooling</li> <li>• tank capacity 19 l, operating time 6,5 h</li> <li>• pull-in start up</li> <li>• oil guard</li> </ul>	<ul style="list-style-type: none"> <li>• Lombardini 15 LD315</li> <li>• fuel: diesel</li> <li>• speed of rotation 3000 rpm</li> <li>• 5,4 hp</li> <li>• electric start up</li> <li>• tank capacity 19 l, operating time 19 h</li> </ul>
Packing size	1	1
EAN	6418914533158	6418914533158



**Diesel-powered**

Outputs  
1 x 16 A 230 V  
1 x 16 A 400 V

GE6700



**Diesel-powered**

Outputs  
1 x 16 A 230 V  
1 x 32 A 400 V

GE11000

Additional equipment:  
remote control set GE23111

	<b>5,2 kW / 3,6 kW</b> COMBIPLUS 6700LE	<b>8,8 kW / 3,3 kW</b> COMBIPLUS 11100 LE
<b>Order no.</b>	<b>GE6700</b>	<b>GE11000</b>
	<ul style="list-style-type: none"> <li>• 3-phase synchronous generator</li> <li>• self-regulating</li> <li>• automatic fuses, hour meter</li> </ul>	<ul style="list-style-type: none"> <li>• 3-phase synchronous generator</li> <li>• self-regulating</li> <li>• automatic fuses, hour meter</li> </ul>
Voltage	5,2 kW/400 V, 3,6 kW/230 V	8,8 kW/400 V, 3,3 kW/230 V
Effective output	5,2 kW/400 V, 3,6 kW/230 V	8,8 kW/400 V, 3,3 kW/230 V
Output current	9 A / 17 A	17 A / 17 A
Protection class	IP 23	IP 23
Weight	103 kg	200 kg
Dimensions	L810, W550, H680 mm	L1000, W560, H800 mm
Motor	<ul style="list-style-type: none"> <li>• Lombardini 15 LD440</li> <li>• fuel: diesel</li> <li>• speed of rotation 3000 rpm</li> <li>• 10 hp</li> <li>• air cooling</li> <li>• tank capacity 19 l, operating time 10 h</li> <li>• electronic start-up and ignition lock</li> </ul>	<ul style="list-style-type: none"> <li>• Lombardini 25 LD 425/2</li> <li>• fuel: diesel</li> <li>• speed of rotation 3000 rpm</li> <li>• 15,6 hp</li> <li>• air cooling</li> <li>• tank capacity 39 l, operating time 16 h</li> <li>• electronic start-up</li> </ul>
Packing size	1	1
EAN	6418914533165	8031882005427

# WELDING AGGREGATE



Gasoline-powered

Outputs  
1 x 16 A 230 V  
1 x 16 A 400 V

The machine is delivered without welding cables, but couplings situated on the machine side are included.  
Complete Migatronc cables 16 mm<sup>2</sup>/ 5 m:  
Welding cable **M80512505**, earth cable **M80502505**

<b>Order no.</b>	<b>COMBIFLASH 220R</b>
<b>Generator</b>	<b>GE220</b> <ul style="list-style-type: none"> <li>• synchronous generator</li> <li>• voltage 400 V/230 V - 50 Hz</li> <li>• 6500 VA 3~ / 3500 W</li> <li>• welding current 40 - 220 A</li> <li>• output current 220 A - 35% / 170 A - 60 %</li> <li>• max. electrode diameter 4 mm</li> <li>• protection class IP 23</li> <li>• hour meter</li> <li>• automatic fuses</li> </ul>
<b>Motor</b>	<ul style="list-style-type: none"> <li>• Subaru EH41, four-stroke cycle</li> <li>• fuel: gasoline</li> <li>• speed of rotation 3000 rpm</li> <li>• 13,5 hp</li> <li>• air coolint</li> <li>• tank capacity 19 l</li> <li>• operating time 6,5 h</li> <li>• pull-in start up</li> </ul>
<b>Weight</b>	83 kg
<b>Dimensions</b>	L810, W550, H590 mm
<b>Packing size</b>	1
<b>EAN</b>	6418914533172

# PTO-USED AGGREGATES



GE17



GE53

**Note!**  
Remember to add transmission oil before start-up!

- delivery includes lock pins for connecting
- delivery does not include P.T.O shaft

For acceleration of spare part service write up the serial number of the device before delivery to customer.

	<b>13 kW / 5 kW</b>	<b>24 kW / 10,8 kW</b>	<b>34 kW / 13,5 kW</b>	<b>42 kW / 16 kW</b>
<b>Order no.</b>	<b>GE17</b>	<b>GE30</b>	<b>GE42</b>	<b>GE53</b>
<b>Power</b>	13 kW/400 V, 5 kW/230 V	24 kW/400 V, 10,8 kW/230 V	34 kW/400 V, 13,5 kW/230 V	42 kW/400 V, 16 kW/230 V
<b>Generator rotation speed</b>	3000 rpm	1500 rpm	1500 rpm	1500 rpm
<b>Rotating cycle</b>	375	370	395	395
<b>Power source</b>	21 hv	40 hv	53 hv	65 hv
<b>Voltage regulator</b>	automatic (AVR)	automaattinen (AVR)	automatic (AVR)	automatic (AVR)
<b>Socket outlets</b>	1 x 32 A 400 V, 1 x 16 A 230 V euro	1 x 63 A 400 V, 1 x 32 A 230 V euro	1 x 63 A 400 V, 1 x 32 A 230 V euro, 1 x 16 A 230 V Schuko	1 x 125 A 400 V, 1 x 32 A 230 V euro
<b>Voltmeter</b>	led	ledinäyttö	led	led
<b>Protection class</b>	IP23	IP23	IP23	IP23
<b>Other features</b>	fault current protection, fuses	fault current protection, fuses	fault current protection, fuses	fault current protection, fuses
<b>Dimension</b>	L929, W800, H915 mm	P1135, L800, K915	L1172, W800, H918	L1172, W800, H918
<b>Weight</b>	124 kg	214 kg	345 kg	361 kg
<b>Packing size</b>	1	1	1	1
<b>EAN</b>	6418914533189	6418914533196	6418914533202	6418914533219