.SS Super Silent

Power range 10-3000 kVA

Power generators 1500-1800 RPM - 50/60Hz - 400-230 V/480-277 V

ELCOS
POWER GENERATORS



- **Super sound-attenuated enclosures**
- **Suitable for any type of industry and use**
- **Custom-tailoring with a wide range of accessories**

Generating sets designed to offer the best quality, durability and low noise level

The generators of the SS series offer a wide range of power and engine brands

www.elcos.net

.SS

Power range **10-3000** kVA

Power generators 1500-1800 RPM - 50/60Hz - 400-230 V/480-277 V

EU regulations compliant



Super Soundproofed generators for residential areas

Thanks to a sturdy metal structure, they guarantee reliable handling.
They are built with elements of ultimate technology, which allow to reduce the noise generated from the engine.

Safe for the operator and easy to maintain

All operations, such as use, commissioning and maintenance are carried out in complete safety, thanks to all the specifically designed devices.

Fully customizable to fit all needs

Thanks to the wide range of accessories we can configure the generator to be perfectly suitable for your needs.

Engine and Alternator Brands

YANMAR · Perkins · Cummins · SCANIA · KOHLER IN POWER. SINCE 1920. · FPT · MITSUBISHI MOTORS · Baudouin

mtu · VOLVO PENTA · DEUTZ · DOOSAN · STAMFORD · MarelliMotori · LINZ ELECTRIC · mecc alte



Electric power supply solutions

ELCOS Super Silent Gen Sets is a versatile range built to cover the widest application field and customizable to any needs.

They offer the maximum level of performance in the event of a sudden power failure.

These Gen Sets grant a reliable power supply.

The Super Silent range covers the reference power from 10 to 3000 kVA, equipped with premium engines and alternators brand.

Applications

These generators can be used in a variety of applications, such as:

- **-Industries**
- **-Data Centers**
- **-Hotels**
- **-Residential areas**
- **-Hospitals**
- **-Airports**
- **-Malls**
- **-Factories**
- **-Livestocks Farms**
- **-Recreation centers**
- **-Military applications**
- **-Telecommunications**
- **-Oil & Gas**

.SS

Power range **10-3000** kVA

Power generators 1500-1800 RPM - 50/60Hz - 400-230 V/480-277 V

Pitched roof
to avoid rainwater collection



Super soundproofed Canopy
Built to be used in extreme environments
Soundproofed with durable class 1
rated rot-proof polyester fiber



Wiring
excellent degree of resistance with plug-in connectors



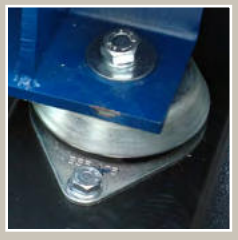
Engine heater
for easier cranking in cold environment



Automatic stop system
due to lack of fuel



Tank inspection hatch
to inspect the tank during maintenance



Anti-vibration pads
attenuate the vibrations caused by the unit



Tank filler
with wide dimensions for easy refuelling



Lifting hook
robust and useful for easy handling



Galvanized metal sheet to increase strength and durability



Battery compartment
externally accessible for easy maintenance

Wide opening doors
for easy maintenance



Anti-turning forklift tunnels
for safe handling



External oil drain point
allow to change oil easily



Residential muffler -35 dBA
for enhance sound attenuation



Alternator with switch on board for a comfortable and safe connection



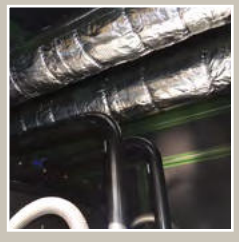
Exhaust terminal pipe with tilting cap rain cover



Air intake louvres
guarantee suitable ventilation in all conditions



Heat and rotating part guards
to prevent injuries to the user



Exhaust pipes
with exhaust heat wrap for high-performance and security



Bunded base
enviromental friendly - to contain the liquids in the event of a spill



Cable output
on the side or below the GS with rubber protection



Inspection doors
with double frame and airtight gasket



Snap handles with key lock
to offer maximum security and protection

QPE

POLYVALENT PANEL

MC4# evo



Applications

- Auto-production (island)
- Construction site
- Rental
- Emergency to the mains

+011 VARIANT

Variant +011

Without integrated switching

With this variant the SWITCHING is externally managed through separate ATS panels (optional).

+010 VARIANT

Variant +010

With integrated switching

With this variant the SWITCHING is INTEGRATED and connected on board in order to have a unique and complete emergency power system.

➔ Controls

- Manual start up and stop
- Automatic start up and stop from AMF
- Start up and stop through contact
- Fuel pump control
- Lock ● Reset
- Programmable automatic test
- Emergency stop button
- Main counter command closed
- G.s. counter command closed

➔ Engine Measures

- Engine RPM*
- Engine oil pressure BAR
- Engine oil temperature*
- Engine oil level*
- Cooling system pressure*
- Cooling system temperature°C
- Coolant level %
- Fuel consumption*
- Fuel level %
- Total operating hours
- Partial operating hours (resettable)
- Hours to maintenance
- Battery charger voltage
- Start up counter

➔ Communication Interfaces

- CAN-BUS communication
- USB port for saving parameters and firmware updates
- RS485 serial output

➔ Equipment

- Microprocessor logic
- Backlit refractive display
- 16-event alarm history list
- Multi-language management
- Troubleshooting with suggestions

➔ Alternator Measures

- Genset voltage three-phase
- Genset star voltage RN.SN.TN.
- Genset three-phase current
- Genset frequency
- Genset apparent power KVA
- Genset actual power KW
- Genset reactive power KWr
- Genset KWh
- Genset power factor cosfi

➔ Main Measures

- Mains voltage RST
- Mains frequency

➔ Signals/Protections

- Failed to start
- Failed to stop
- Low oil level*
- Low oil pressure
- Minimum oil pressure (pre-alarm)
- Low cooling liquid level
- Very high cooling liquid level
- High temperature (pre-alarm)
- Generator battery charger
- No fuel
- Low fuel level (pre-alarm)
- Start up
- Stop
- Fuel pump running
- Battery connected
- Battery charging
- Battery undervoltage
- Battery overvoltage
- Genset overvoltage
- Genset undervoltage
- Genset overload
- Genset short circuit
- Genset maximum frequency
- Genset minimum frequency
- Genset connected
- Genset contactor closed
- Circuit breaker protection
- Mains connected
- Mains overvoltage
- Mains undervoltage
- Mains contactor closed
- Emergency button pressed



QPA

PARALLEL PANEL

InteliGen200



Applications

- Auto-production (island)
- Redundancy
- Rental
- Load request

+014 VARIANT

Variant +014

With integrated motorized switch

This variant allows the GS to be synchronized in parallel with each other, to have power supply management, load management, redundancy, load request.
It monitors the GS managing measurements and alarms, it starts and stops it depending on the system parameters.

➔ Engine measures

- Fuel tank level %
- Engine oil pressure BAR
- Engine Coolant temperature °C
- Total run timePartial run time
- Hours to maintenance
- Battery voltage
- Battery charging voltage
- Start-ups counter
- Engine speed
- Engine Oil temperature
- Cooler temperature
- Engine oil level
- Engine coolant level
- Engine coolant pressure
- Turbo pressure
- Fuel Consumption

➔ Misure alternatore

- Generator Voltage L1, L2, L3
- Generator Voltage L1-N, L2-N, L3-N
- Generator frequency
- Generator current L1
- Generator current L1, L2, L3
- Generator Apparent Power kVA
- Generator Active Power kW
- Generator Reactive Power kVAR
- Generator accumulated power kWh
- Power factor Cosfi

➔ Misure di rete

- Mains voltage L1, L2, L3
- Mains voltage L1-N, L2-N, L3-N
- Mains frequency

➔ Porte di comunicazione

- Can-bus port
- RS485 port with Mod-bus RTU communication
- Configurable via PC using USB port

➔ Equipment

- Microprocessor Logic
- Back-lit display
- Programmable by PC software
- 250 event log
- Multiple display languages
- STOP -START button
- AUT mode button
- MAN mode button
- OFF mode button
- Reset alarm button
- Alarm mute button
- Transfer to Mains button
- Transfer to generator button

➔ Visualizations

- Pre-alarmsAlarms
- Engine measures
- Alternator measures
- Mains measures
- Date and time
- Operating mode
- Genset status
- Mains status
- Mains contactor status
- Genset contactor status
- Digital Input and Output status

➔ Functions

- Automatic start and stop when the Mains Fails
- Remote Start and Stop
- Manual Start and stop
- Emergency stop button on panel board
- Remote emergency stop
- MODBUS commands (Start, Stop, Reset, Test)
- Scada available with PC connected to the controller
- PLC editor
- Manual switching commands



Panel on board

QLE

EMERGENCY PANEL

MC2



Applications

- Emergency to the mains

Variant +011

Without integrated switching

With this variant the SWITCHING is externally managed through separate ATS panels (optional).

Variant +010

With integrated switching

With this variant the SWITCHING is INTEGRATED and connected on board in order to have a unique and complete emergency power system.

➔ Engine measures

- Fuel tank level %
- Engine oil pressure BAR
- Engine Coolant temperature °C
- Total run timeBattery voltage
- Start-ups counter
- Engine speed

➔ Alternator measures

- Generator Voltage L1, L2, L3
- Generator Voltage L1-N, L2-N, L3-N
- Generator frequency
- Generator current L1, L2, L3
- Generator Apparent Power kVA
- Generator Active Power kW

➔ Communication ports

- Can-bus port
- RS485 port with Mod-bus RTU communication
- USB port for parameters saving and firmware update

➔ Equipment

- Microprocessor Logic
- Back-lit display
- Programmable from display
- 16 event log
- Icons management
- STOP button
- START button
- TEST button
- Reset alarm button
- Alarm mute button

➔ Pre-Allarms/Allarms

- Common Alarm
- Fuel reserve (pre-alarm)
- Low fuel level (alarm)
- Charge alternator failed (dinamo)
- Low oil pressure (alarm)
- Oil sensor failed (alarm)
- High coolant temperature (alarm)
- Low water level
- Water in fuel
- Battery undervoltage
- Battery overvoltage
- GS failure to start
- GS failure to stop
- Can-bus Failure
- No Can-bus communication
- Genset overload L1, L2, L3 phases
- Genset short circuit
- Genset overvoltage
- Genset undervoltage
- Genset high frequency
- Genset low frequency overspeed
- Earth fault (alarm)
- Maintenance request
- Emergency button pressed
- Remote emergency active
- Genset negative phase sequence

➔ Visualizations

- Pre-alarms
- Alarms
- Engine measures
- Alternator measures
- Operating mode
- Genset status
- Genset contactor status
- Glow plugs status

➔ Functions

- Remote Start and Stop
- Manual Start and stop
- Emergency stop button on panel board
- Remote emergency stop
- Remote test on load
- Scheduled start-ups
- MODBUS commands (Start, Stop, Reset, Test)



QMC

MANUAL PANEL WITH SOCKETS

SM1



Applications

- Auto-production (island)
- Construction site
- Rental

Variant +012

Manual panel with sockets

With this variant, the GS is controlled manually by the operator and it enables the view of the parameters.

Sockets with magneto-thermal differential protection 0.3A





10 -15 kVA	n.1 CE 2P+T 16A 230V / n.1 CE 3P+T 16A 400V / n.1 CE 3P+N+T 16A 400V
20 kVA	n.1 CE 2P+T 16A 230V / n.1 CE 3P+T 16A 400V / n.1 CE 3P+N+T 32A 400V
25-40 kVA	n.1 CE 2P+T 16A 230V / n.1 CE 3P+T 16A 400V / n.1 CE 3P+N+T 32A 400V / n.1 CE 3P+N+T 63A 400V
50-100 kVA	n.1 CE 2P+T 16A 230V / n.1 CE 3P+T 16A 400V / n.1 CE 3P+N+T 32A 400V / n.1 CE 3P+N+T 63A 400V

Total power terminals (no differential)

➔ Commands

- Manual start and stop
- Emergency stop button

➔ Measures engine

- Fuel tank level
- Total workinghours
- Battery voltage

➔ Measures alternator

- GS Voltage R-S
- GS Current on phase R
- Generator Frequency Hz
- Apparent Power generator KVA

➔ Connector Remote Control

For connecting:

- Radio control Elcos (optional)
- Control with Elcos-Cable to start and stop the genset from distance (optional)

➔ Signals / Protectors

- Low oil pressure
- High coolant temperature
- Fault dynamo batterycharger
- Fuel reserve (G.S. stops after 5min.)
- Generic Fault
- IP 55

➔ Equipment

- Digital voltmeter
- Digital frequency
- Digital ammeter
- Digital Kilovoltammeter
- Digital Battery voltage
- Digital fuel level
- Analog hour meter
- Ignition key
- Connector Remote Control
- Emergency stop button



GE.SS

Power Generators 10 - 40 kVA

1500/1800 RPM DIESEL

50 /60 HZ 400-230 V - 480-277 V



	LTP kVA		PRP kVA												
	50 HZ	60 HZ	50 HZ	60 HZ	BRAND	CODE	COOLING	STAGE	GOVERNOR	L x W x H	WEIGHT kg	TANK lt	LOAD@75%-h	NOISE @ 7 m	SWITCH A
10 kVA															
GE.PK.011/010.SS	10	-	9	-	Perkins	403A-11G1	W50°	Stage 0	M	175x90x140	650	110	48	58	16
GE.YAS5.011/010.SS	11	10	10	9	Yanmar	3TNV80F	W50°	Stage 5	M	175x90x140	581	110	62	58	16
15 kVA															
GE.BD.017/015.SS	17	25	15	23	Baudouin	4M06G20/5	W50°	Stage 0	M	175x90x140	763	110	30	58	20
GE.PK.017/015.SS	17	19	15	17	Perkins	403A-15G2	W50°	Stage 0	M	175x90x140	667	110	36	58	20
GE.YAS5.017/015.SS	17	17	15	15	Yanmar	3TNV88F	W50°	Stage 5	M	175x90x140	630	110	43	58	20
20 kVA															
GE.BD.022/020.SS	21	32	20	29	Baudouin	4M06G25/5	W50°	Stage 0	E	175x90x140	782	110	25	60	32
GE.PK.022/020.SS	22	26,5	20	25	Perkins	404A-22G1	W50°	Stage 0	M	175x90x140	737	110	28	60	32
GE.PKS5.021/020.SS	21	27	20	24	Perkins	404J-22G	W50°	Stage 5	M	175x90x140	737	110	28	60	32
GE.YAS5.022/020.SS	22	-	20	-	Yanmar	4TNV88-BIECS	W50°	Stage 5	M	175x90x140	667	110	28	59	32
25 kVA															
GE.CU.030/027.SS	27,5	-	25	-	Cummins	X2.5G2	W50°	Stage 0	M	190x90x150	853	110	23	63	40
30 kVA															
GE.AI.033/030.SS	33	37	30	33	FPT	S 8000 AM	W50°	Stage 0	M	190x90x150	993	110	21	64	50
GE.BD.035/032.SS	35	42	32	38	Baudouin	4M06G35/5	W50°	Stage 0	E	190x90x150	913	110	21	63	50
GE.DWS5.032/030.SS	32	41	30	37	Doosan	D18	W50°	Stage 5	E	190x90x150	858	110	20	64	50
GE.PK.034/031.SS	33	38	30	35	Perkins	1103A-33G	W50°	Stage 0	M	190x90x150	1036	110	20	64	50
GE.YA.037/033.SS	37	38	33	35	Yanmar	4TNV98	W50°	Stage 3A	M	190x90x150	875	110	22	63	50
GE.YAS5.037/033.SS	37	-	33	-	Yanmar	4TNV98C-IYE	W50°	Stage 5	E	190x90x150	926	110	-	63	50
40 kVA															
GE.BD.044/040.SS	44	51	40	47	Baudouin	4M06G44/5	W50°	Stage 0	E	190x90x150	939	110	17	65	63
GE.YA.047/044.SS	47	55	44	50	Yanmar	4TNV98T	W50°	Stage 2	M	190x90x150	911	110	16	63	63
GE.YA3A.047/044.SS	47	-	44	-	Yanmar	4TNV98T ZGECS	W50°	Stage 3A	E	190x90x150	928	110	16	63	63
GE.YAS5.044/040.SS	44	-	40	-	Yanmar	4TNV98CT-IYE	W50°	Stage 5	E	190x90x150	952	110	-	63	63

GE.SS

Power Generators 50 - 100 kVA

1500/1800 RPM DIESEL

50 /60 HZ 400-230 V - 480-277 V



	LTP kVA		PRP kVA												
	50 HZ	60 HZ	50 HZ	60 HZ	BRAND	CODE	COOLING	STAGE	GOVERNOR	L x W x H	WEIGHT kg	TANK lt	LOAD@75%-h	NOISE @ 7 m	SWITCH A
50 kVA															
GE.AI.056/051.SS	55	-	50	-	FPT	N45AM2	W50°	Stage 0	M	220x110x165	1182	250	27	65	80
GE.BD.055/050.SS	55	63	50	56	Baudouin	4M06G55/5	W50°	Stage 0	E	220x110x165	1048	250	29	65	80
GE.DWS5.052/050.SS	52	56	50	52	Doosan	D24	W50°	Stage 5	E	220x110x165	1026	250	30	65	80
GE.PK.051/046.SS	50	60	45	54	Perkins	1103A-33TG1	W50°	Stage 0	M	220x110x165	1253	250	31	65	63
60 kVA															
GE.AI.066/060.SS	66	73	60	66	FPT	N45SM1A	W50°	Stage 2	M	220x110x165	1278	250	26	65	100
GE.AI3A.066/060.SS	66	-	60	-	FPT	N45SM1F	W50°	Stage 3A	M	220x110x165	1278	250	20	65	100
GE.AIS5.061/060.SS	60	-	60	-	FPT	F34TEVP01.00	W50°	Stage 5	E	260x110x168	1270	250	23	65	100
GE.BD.065/060.SS	66	-	60	-	Baudouin	4M11G70/5	W50°	Stage 0	E	260x110x168	1462	250	23	67	100
GE.PK.067/061.SS	66	75	60	69	Perkins	1103A-33TG2	W50°	Stage 0	M	220x110x165	1299	250	25	65	100
80 kVA															
GE.AI.090/080.SS	90	99	80	90	FPT	N45SM3	W50°	Stage 0	M	260x110x168	1453	250	17	67	125
GE.AI3A.088/080.SS	88	-	80	-	FPT	N45TE1F	W50°	Stage 3A	E	260x110x168	1503	250	16	66	125
GE.AIS5.090/085.SS	90	-	85,7	-	FPT	F36ETVP03.A85	W50°	Stage 5	E	260x110x168	1433	250	20	66	125
GE.BD.090/082.SS	90	103	82	94	Baudouin	4M11G90/5	W50°	Stage 0	E	260x110x168	1605	250	19	67	125
GE.DWS5.085/075.SS	85	100	75	90	Doosan	D34	W50°	Stage 5	E	260x110x168	1541	250	18	67	125
GE.PK.088/080.SS	88	100	80	90	Perkins	1104A-44TG2	W50°	Stage 0	M	260x110x168	1527	250	18	66	125
GE.PK3A.088/080.SS	88	100	80	91	Perkins	1104D-E44TAG1	W50°	Stage 3A	E	260x110x168	1531	250	15	65	125
GE.VO.094/085.SS	95	97	85	86	Volvo	TAD 530 GE	W50°	Stage 2	M	260x110x168	1569	250	20	66	125
100 kVA															
GE.AI.110/100.SS	110	120	100	110	FPT	N45TM2A	W50°	Stage 2	M	260x110x168	1526	250	16	67	160
GE.AI3A.110/100.SS	110	-	100	-	FPT	N45TE2P	W50°	Stage 3A	E	260x110x168	1526	250	14	67	160
GE.AIS5.110/100.SS	110	-	100	-	FPT	F36ETVP03.A94	W50°	Stage 5	E	260x110x168	1456	250	15	67	160
GE.BD.110/100.SS	110	132	100	120	Baudouin	4M11G120/5	W50°	Stage 0	E	260x110x168	1672	250	15	67	160
GE.PK.110/100.SS	110	125	100	112	Perkins	1104C-44TAG2	W50°	Stage 2	E	260x110x168	1561	250	15	67	160
GE.PK3A.110/100.SS	110	125	100	114	Perkins	1104D-E44TAG2	W50°	Stage 3A	E	260x110x168	1561	250	13	67	160
GE.VO.110/100.SS	110	115	100	103	Volvo	TAD 531 GE	W50°	Stage 2	M	260x110x168	1592	250	16	65	160
GE.VO3A.110/100.SS	110	-	100	-	Volvo	TAD 551 GE	W50°	Stage 3A	E	260x110x168	1679	250	14	65	160

GE.SS

Power Generators 130 - 250 kVA

1500/1800 RPM DIESEL

50 /60 HZ 400-230 V - 480-277 V



	LTP kVA		PRP kVA												
	50 HZ	60 HZ	50 HZ	60 HZ	BRAND	CODE	COOLING	STAGE	GOVERNOR	L x W x H	WEIGHT kg	TANK lt	LOAD@75%-h	NOISE @ 7 m	SWITCH A
130 kVA															
GE.AI.131/120.SS	135	140	120	130	FPT	N45TM3	W50°	Stage 0	M	340x120x195	2067	400	19	66	250
GE.AI3A.140/130.SS	144	-	130	-	FPT	N67TM1F	W50°	Stage 3A	M	340x120x195	2244	400	16	66	250
GE.BD.150/135.SS	150	170	135	150	Baudouin	6M11G150/5	W50°	Stage 0	E	340x120x195	2273	400	18	67	250
GE.PK.151/137.SS	150	169	135	152	Perkins	1106A-70TG1	W50°	Stage 0	M	340x120x195	2290	400	18	67	250
GE.VO.150/135.SS	144	151	130	135	Volvo	TAD 532 GE	W50°	Stage 2	E	340x120x195	2233	400	20	66	250
GE.VO3A.150/135.SS	144	151	130	135	Volvo	TAD 750 GE	W50°	Stage 3A	E	340x120x195	2563	400	18	67	250
150 kVA															
GE.AI.176/165.SS	176	187	165	170	FPT	N67TM4	W50°	Stage 0	M	340x120x195	2262	400	14	68	250
GE.AI3A.165/150.SS	165	-	150	-	FPT	N67TE1F	W50°	Stage 3A	E	340x120x195	2282	400	15	68	250
GE.AIS5.165/155.SS	165	-	155	-	FPT	N67TEVP06.00	W50°	Stage 5	E	380x120x215	2341	400	17	68	250
GE.BD.165/150.SS	165	200	150	181	Baudouin	6M11G165/5	W50°	Stage 0	E	340x120x195	2311	400	15	68	250
GE.DW.170/150.SS	170	200	150	185	Doosan	DP086TA	W43°	Stage 0	E	340x120x195	2460	400	16	68	250
GE.PK.166/150.SS	165	188	150	168	Perkins	1106A-70TAG2	W50°	Stage 0	M	340x120x195	2391	400	17	67	250
GE.VO.165/150.SS	165	172	150	155	Volvo	TAD 731 GE	W50°	Stage 2	M	340x120x195	2394	400	16	67	250
GE.VO3A.165/150.SS	165	172	150	155	Volvo	TAD 751 GE	W50°	Stage 3A	E	340x120x195	2601	400	15	67	250
180 kVA															
GE.AI3A.190/170.SS	190	-	170	-	FPT	N67TE2F	W50°	Stage 3A	E	380x120x215	2388	400	13	68	250
GE.VO.205/185.SS	205	227	185	203	Volvo	TAD 732 GE	W50°	Stage 2	E	380x120x215	2596	400	14	68	320
200 kVA															
GE.AI.221/201.SS	220	234	200	210	FPT	N67TM7	W50°	Stage 0	M	380x120x215	2458	400	11	68	320
GE.AI3A.220/200.SS	220	-	200	-	FPT	N67TE3F	W50°	Stage 3A	E	380x120x215	2458	400	10	68	320
GE.AIS5.220/200.SS	224	-	200	-	FPT	N67TEVP05.00	W50°	Stage 5	E	380x120x215	2442	400	13	68	320
GE.BD.220/200.SS	220	250	200	225	Baudouin	6M16G220/5	W50°	Stage 0	E	380x120x215	2910	400	13	68	320
GE.DW.220/200.SS	225	250	200	230	Doosan	P086TI	W43°	Stage 2	E	380x120x215	2696	400	13	68	320
GE.PK.220/200.SS	220	-	200	-	Perkins	1106A-70TAG4	W50°	Stage 0	E	380x120x215	2587	400	12	68	320
GE.VO.225/205.SS	225	252	205	226	Volvo	TAD 733 GE	W50°	Stage 2	E	380x120x215	2757	400	13	68	320
GE.VO3A.225/205.SS	220	252	200	226	Volvo	TAD 753 GE	W50°	Stage 3A	E	380x120x215	2811	400	12	68	320
250 kVA															
GE.AI.275/250.SS	275	290	250	260	FPT	N67TE8P	W50°	Stage 0	E	380x120x215	2588	400	11	69	400
GE.AI3A.275/250.SS	275	-	250	-	FPT	C87TE3F	W50°	Stage 3A	E	410x150x230	3388	600	11	68	400
GE.BD.275/250.SS	275	313	250	284	Baudouin	6M16G275/5	W50°	Stage 0	E	380x120x215	3011	400	10	68	400
GE.DW.250/230.SS	250	285	230	250	Doosan	DP086LA	W43°	Stage 2	E	380x120x215	2797	400	11	69	400
GE.PK.275/250.SS	275	250	250	225	Perkins	1206A-E70TTAG3	W50°	Stage 0	E	380x120x215	2705	400	10	68	400
GE.SCS5.275/250.SS	275	-	250	-	Scania	DC09 320A 02-61	W50°	Stage 5	E	410x150x230	3360	600	16	68	400
GE.VO.275/250.SS	275	287	250	255	Volvo	TAD 734 GE	W50°	Stage 2	E	380x120x215	2848	400	10	68	400
GE.VO3A.275/250.SS	275	287	250	255	Volvo	TAD 754 GE	W50°	Stage 3A	E	380x120x215	2912	400	10	68	400

GE.SS

Power Generators 275 - 400 kVA

1500/1800 RPM DIESEL

50 /60 HZ 400-230 V - 480-277 V



	LTP kVA		PRP kVA											
	50 HZ	60 HZ	50 HZ	60 HZ	BRAND	CODE	COOLING	STAGE	GOVERNOR	L x W x H	WEIGHT kg	TANK lt	LOAD@75%-h	NOISE @ 7 m	SWITCH A
275 kVA															
GE.DW.300/275.SS	300	335	275	300	Doosan	P126TI	W43°	Stage 2	E	410x150x230	3449	600	14	70	400
300 kVA															
GE.AI.332/305.SS	332	363	305	330	FPT	C87TE4	W50°	Stage 0	E	410x150x230	3581	600	12	69	630
GE.AI3A.335/300.SS	335	-	300	-	FPT	C87TE4F	W50°	Stage 3A	E	410x150x230	3586	600	11	69	630
GE.BD.340/310.SS	350	385	320	350	Baudouin	6M16G350/5	W50°	Stage 0	E	410x150x230	3555	600	12	70	630
GE.DW.340/310.SS	340	390	310	345	Doosan	P126TI-II	W43°	Stage 0	E	410x150x230	3449	600	13	69	630
GE.PK.335/300.SS	335	389	300	352	Perkins	1506A-E88TAG5	W50°	Stage 0	E	410x150x230	3662	600	13	69	630
GE.SC.335/304.SS	350	360	320	340	Scania	DC09 072A 02 13	W50°	Stage 0	E	410x150x230	3628	600	13	67	630
GE.SCS5.330/300.SS	330	-	300	-	Scania	DC09 320A 02-63	W50°	Stage 5	E	410x150x230	3828	600	13	67	630
GE.VO.320/300.SS	320	360	300	320	Volvo	TAD 842 GE	W50°	Stage 2	E	380x120x215	2105	400	10	67	630
GE.VO.360/325.SS	350	360	320	340	Volvo	TAD 1341 GE	W50°	Stage 2	E	410x150x230	4155	600	14	67	630
GE.VO3A.360/325.SS	360	375	325	340	Volvo	TAD 1351 GE	W50°	Stage 3A	E	410x150x230	4155	600	12	67	630
350 kVA															
GE.AI.385/350.SS	385	418	350	380	FPT	C13TE2A	W50°	Stage 2	E	410x150x230	3811	600	11	69	630
GE.AI3A.385/350.SS	385	-	350	-	FPT	C13TE1F	W50°	Stage 3A	E	410x150x230	3859	600	9	69	630
GE.BD.385/350.SS	385	413	350	375	Baudouin	6M21G385/5	W50°	Stage 0	E	410x150x230	3766	600	10	70	630
GE.DW.400/365.SS	405	445	365	400	Doosan	DP126LB	W43°	Stage 0	E	410x150x230	3632	600	11	70	630
GE.PK.400/350.SS	400	440	350	400	Perkins	2206A-E13TAG2	W50°	Stage 0	E	410x150x230	4098	600	12	69	630
GE.SCS5.385/350.SS	385	-	350	-	Scania	DC13 320A 02-61	W50°	Stage 5	E	410x150x230	4212	600	12	68	630
GE.VO.375/350.SS	375	438	350	401	Volvo	TAD 1342 GE	W50°	Stage 2	E	410x150x230	4155	600	12	68	630
GE.VO3A.375/350.SS	400	438	364	401	Volvo	TAD 1352 GE	W50°	Stage 3A	E	410x150x230	4130	600	11	68	630
375 kVA															
GE.SC.410/375.SS	410	451	375	410	Scania	DC13 072A 02 11	W50°	Stage 0	E	410x150x230	4049	600	12	68	630
GE.VO.410/375.SS	410	451	375	410	Volvo	TAD 1343 GE	W50°	Stage 2	E	410x150x230	4291	600	11	68	630
400 kVA															
GE.AI.440/400.SS	440	462	400	420	FPT	C13TE3A	W50°	Stage 2	E	410x150x230	3995	600	9	69	630
GE.AI3A.440/400.SS	440		400		FPT	C13TE2F	W50°	Stage 3A	E	410x150x230	3995	600	8	69	630
GE.BD.440/400.SS	440	488	400	438	Baudouin	6M21G440/5	W50°	Stage 0	E	410x150x230	3956	600	10	69	630
GE.DW.460/420.SS	470	510	410	445	Doosan	P158 LE	W43°	Stage 0	E	470x180x250	4801	1150	18	71	630
GE.PK.450/400.SS	450	438	400	400	Perkins	2206A-E13TAG3	W50°	Stage 0	E	415x150x230	4244	600	10	69	630
GE.SC.456/413.SS	450	501	410	456	Scania	DC13 072A 02 12	W50°	Stage 0	E	410x150x230	4106	600	11	68	630
GE.SC3A.440/400.SS	440	-	400	-	Scania	DC13 071A 02 02	W50°	Stage 3A	E	470x180x250	4541	1150	18	72	630
GE.SCS5.440/400.SS	440	-	400	-	Scania	DC13 320A 02-62	W50°	Stage 5	E	410x150x230	4356	600	11	68	630
GE.VO.450/410.SS	450	501	410	456	Volvo	TAD 1344 GE	W50°	Stage 2	E	410x150x230	4291	600	10	68	630
GE.VO3A.450/410.SS	440	437	400	397	Volvo	TAD 1355 GE	W50°	Stage 3A	E	410x150x230	4266	600	10	68	630

GE.SS

Power Generators 450 - 700 kVA

1500/1800 RPM DIESEL

50 /60 HZ 400-230 V - 480-277 V



	LTP kVA		PRP kVA											
	50 HZ	60 HZ	50 HZ	60 HZ	BRAND	CODE	COOLING	STAGE	GOVERNOR	L x W x H	WEIGHT kg	TANK lt	LOAD@75%-h	NOISE @ 7 m	SWITCH A
450 kVA															
GE.AI.500/450.SS	500	550	450	475	FPT	C13TE6W	W50°	Stage 0	E	470x180x250	4967	1150	16	71	800
GE.BD.500/450.SS	500	500	450	455	Baudouin	6M21G500/5	W50°	Stage 0	E	470x180x250	4841	1150	17	72	800
GE.DW.500/460.SS	510	570	450	520	Doosan	DP158 LCF	W43°	Stage 0	E	470x180x250	5236	1150	16	72	800
GE.PK.500/450.SS	500	550	455	500	Perkins	2506A-E15TAG1	W50°	Stage 0	E	470x180x250	5365	1150	16	70	800
GE.SC.503/456.SS	503	553	450	503	Scania	DC13 072A 02 13	W50°	Stage 0	E	410x150x230	4176	600	10	71	800
GE.SCS5.500/450.SS	495	-	450	-	Scania	DC13 320A 02-63	W50°	Stage 5	E	470x180x250	5171	1150	20	70	800
GE.VO.500/450.SS	500	501	450	456	Volvo	TAD 1345 GE	W50°	Stage 2	E	430x150x230	4351	600	9	71	800
GE.VO3A.510/460.SS	500	564	455	506	Volvo	TAD 1650 GE	W50°	Stage 3A	E	470x180x250	5231	1150	15	70	800
500 kVA															
GE.AI.550/500.SS	550	605	500	550	FPT	C13TE7W	W50°	Stage 0	E	470x180x250	5040	1150	15	70	800
GE.BD.550/500.SS	550	563	500	500	Baudouin	6M21G550/5	W50°	Stage 0	E	470x180x250	4890	1150	15	72	800
GE.DW.580/520.SS	580	630	530	568	Doosan	DP158 LDF	W43°	Stage 0	E	470x180x250	5439	1150	14	72	800
GE.PK.550/500.SS	550	563	500	513	Perkins	2506A-E15TAG2	W50°	Stage 0	E	470x180x250	5306	1150	16	72	800
GE.SC.553/503.SS	553	553	503	503	Scania	DC13 072A 02 14	W50°	Stage 0	E	470x180x250	5134	1150	17	70	800
GE.SCS5.550/500.SS	550	-	500	-	Scania	DC16 320A 02-62	W50°	Stage 5	E	470x180x250	5384	1150	17	70	800
GE.VO.550/500.SS	550	645	500	573	Volvo	TAD 1641 GE	W50°	Stage 2	E	470x180x250	5302	1150	16	70	800
GE.VO3A.550/500.SS	550	645	500	573	Volvo	TAD 1651 GE	W50°	Stage 3A	E	470x180x250	5304	1150	15	70	800
550 kVA															
GE.DW.625/560.SS	605	670	550	610	Doosan	DP180LAF	W43°	Stage 0	E	470x180x250	5558	1150	13	72	800
GE.SC.613/555.SS	613	607	555	550	Scania	DC16 093A 02 52	W50°	Stage 0	E	470x180x250	5489	1150	15	70	800
600 kVA															
GE.AI.620/600.SS	660	685	600	620	FPT	C16TE1W	W50°	Stage 0	E	470x180x250	5410	1150	13	72	1000
GE.BD.660/600.SS	660	719	600	650	Baudouin	8M21G660/5	W50°	Stage 0	E	485x180x250	5836	1150	15	72	1000
GE.DW.710/640.SS	710	748	640	678	Doosan	DP180LBF	W43°	Stage 0	E	470x180x250	5850	1150	12	72	1000
GE.PK.660/600.SS	660	680	600	625	Perkins	2806A-E18TAG1A	W50°	Stage 0	E	470x180x250	6006	1150	13	72	1000
GE.SC.670/610.SS	670	690	610	630	Scania	DC16 093A 02 54	W50°	Stage 0	E	470x180x250	5639	1150	14	70	1000
GE.VO.650/596.SS	650	690	596	625	Volvo	TAD 1642 GE	W50°	Stage 2	E	470x180x250	5582	1150	14	70	1000
630 kVA															
GE.VO.700/630.SS	700	761	630	685	Volvo	TWD 1643 GE	W50°	Stage 2	E	470x180x250	6318	1150	13	70	1000
650 kVA															
GE.BD.715/650.SS	715	750	650	688	Baudouin	6M33G715/5	W50°	Stage 0	E	485x180x250	6814	1150	12	72	1000
GE.DW.760/680.SS	750	-	680	-	Doosan	DP222LBF	W43°	Stage 0	E	470x180x250	6049	1150	11	72	1000
GE.PK.715/650.SS	715	687	650	625	Perkins	2806A-E18TAG2	W50°	Stage 0	E	470x180x250	6148	1150	12	71	1000
GE.SC.700/640.SS	700	725	640	660	Scania	DC16 093A 02 54	W50°	Stage 0	E	470x180x250	5881	1150	13	72	1000
GE.VO.715/650.SS	715	-	650	-	Volvo	TWD 1644 GE	W50°	Stage 2	E	470x180x250	6416	1150	12	72	1000
700 kVA															
GE.SC.770/700.SS	770	770	700	700	Scania	DC16 078A 02 43	W50°	Stage 0	E	470x180x250	5881	1150	12	74	1250
GE.VO.770/700.SS	770	800	700	727	Volvo	TWD 1645 GE	W50°	Stage 2	E	470x180x250	6473	1150	11	74	1250

GE.SS

Power Generators 750 - 1100 kVA

1500/1800 RPM DIESEL

50 /60 HZ 400-230 V - 480-277 V



	LTP kVA		PRP kVA												
	50 HZ	60 HZ	50 HZ	60 HZ	BRAND	CODE	COOLING	STAGE	GOVERNOR	L x W x H	WEIGHT kg	TANK lt	LOAD@75%-h	NOISE @ 7 m	SWITCH A
750 kVA															
GE.BD.825/750.SS	825	825	750	750	Baudouin	6M33G825/5	W50°	Stage 0	E	485x180x250	6856	1150	11	74	1250
GE.DW.825/750.SS	825	930	750	845	Doosan	DP222 LCF	W43°	Stage 0	E	470x180x250	6049	1150	10	74	1250
800 kVA															
GE.BD.900/810.SS	900	880	810	800	Baudouin	12M26G900/5	W50°	Stage 0	E	570x225x262	9132	900	7	73	1250
GE.PK.880/800.SS	880	940	800	845	Perkins	4006-23TAG3A	W40°	Stage 0	E	570x225x262	8344	900	7	73	1250
900 kVA															
GE.BD.1000/900.SS	1000	1125	910	1000	Baudouin	12M26G1000/5	W50°	Stage 0	E	570x225x262	9138	900	7	75	1600
1000 kVA															
GE.BD.1120/1020.SS	1120	1250	1020	1138	Baudouin	12M26G1100/5	W50°	Stage 0	E	570x225x262	9335	900	6	76	1600
GE.PK.1130/1000.SS	1124	1125	1022	1000	Perkins	4008-TAG2A	W40°	Stage 0	E	650x240x282	10866	1000	7	76	1600
1100 kVA															
GE.BD.1250/1125.SS	1250	-	1125	-	Baudouin	12M33G1250/5	W50°	Stage 0	E	650x240x282	11442	1000	6	76	2000
GE.PK.1250/1125.SS	1250	-	1125	-	Perkins	4008 30TAG3	W50°	Stage 0	E	650x240x282	12184	1000	6	76	2000

GE.SS

Power Generators 1250 - 3000 kVA

1500/1800 RPM DIESEL

50 /60 HZ 400-230 V - 480-277 V



	LTP kVA		PRP kVA												
	50 HZ	60 HZ	50 HZ	60 HZ	BRAND	CODE	COOLING	STAGE	GOVERNOR	L x W x H	WEIGHT kg	TANK lt	LOAD@75%-h	NOISE @ 7 m	SWITCH A
1250 kVA															
GE.BD.1400/1250.SS	1400	-	1250	-	Baudouin	12M33G1400/5	W50°	Stage 0	E	720x240x310	12837	1000	6	-	2000
GE.PK.1380/1250.SS	1378	1378	1253	1253	Perkins	4012-46TWG2A	W40°	Stage 0	E	720x240x310	13752	1000	6	-	2000
1400 kVA															
GE.PK.1500/1370.SS	1500	-	1364	-	Perkins	4012-46TWG3A	W40°	Stage 0	E	720x240x310	13874	1000	5	-	2000
1500 kVA															
GE.BD.1700/1500.SS	1700	-	1500	-	Baudouin	16M33G1700/5	W50°	Stage 0	E	800x245x310	15259	1000	5	-	2500
GE.PK.1660/1500.SS	1656	1656	1505	1505	Perkins	4012-46TAG2A	W40°	Stage 0	E	800x245x310	14784	1000	5	-	2500
1700 kVA															
GE.BD.1900/1750.SS	1900	-	1750	-	Baudouin	16M33G1900/5	W50°	Stage 0	E	800x245x310	15797	1000	4	-	3200
GE.PK.1880/1700.SS	1876	1880	1705	1710	Perkins	4012-46TAG3A	W40°	Stage 0	E	800x245x310	16495	1000	4	-	2500
1900 kVA															
GE.BD.2000/1830.SS	2000	-	1830	-	Baudouin	16M33G2000/5	W50°	Stage 0	E	940x245x310	17402	1000	0	-	3200
GE.PK.2030/1850.SS	2028	-	1844	-	Perkins	4016-61TRG1	W50°	Stage 0	E	940x245x310	19083	1000	4	-	3200
2000 kVA															
GE.BD.2300/2100.SS	2300	2500	2100	2280	Baudouin	12M55G2300/5	W50°	Stage 0	E	940x245x310	22885	1000	4	-	3200
GE.PK.2265/2060.SS	2250	-	2000	-	Perkins	4016-61TRG2	W40°	Stage 0	E	940x245x310	19367	1000	3	-	3200
2300 kVA															
GE.BD.2550/2280.SS	2550	-	2280	-	Baudouin	12M55G2550/5	W50°	Stage 0	E	940x245x310	23374	1000	4	-	4000
GE.PK.2500/2250.SS	2500	-	2250	-	Perkins	4016-61TRG3	W40°	Stage 0	E	940x245x310	20001	1000	3	-	4000
2500 kVA															
GE.BD.2750/2550.SS	2750	-	2550	-	Baudouin	12M55G2750/5	W50°	Stage 0	E	1030x245x310	25822	1000	0	-	4000

Optional








Engine

Heavy duty air filter
Fuel/water separator filter
Engine liquids -40 °C
Oil suction pump
Oil pressure level and engine temperature sensors
230 Vac engine pre-heater
Automatic oil refilling system



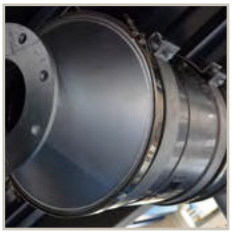

Alternator

230 Vac anti-condensation heaters
RTD-PT100 probes on stator windings
PT100 probe on bearings
Temperature control unit up to 4 PT100 probes



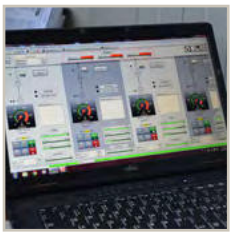

Batteries

Redundant battery system
DC isolator
Maintenance free high efficiency starter batteries
24 Vdc NiCd starter batteries

Exhaust

Catalytic converter (CAT)
Particulate filter (DPF)
Spark arrestor












Electrical System

QPE

16 alarm relay module
RS485 Converter LAN / USB
MASTER / SLAVE device
GSM remote management modem
Remote panel
Remote management software
WEB remote management system via LAN/GSM/GPRS with GPS
Start-stop radio control (500 mt. indoor / 5 km outdoor range)
Start and Stop module for load request for QPE, QLE
50Hz 400V / 60Hz 480V switch selector
Option with QBM DSE 7320 on board
Option with QBM ComAp AMF25 on board

QLE / QMC

Differential protection
Start-stop radio control (500 mt. indoor / 5 km outdoor range)
Auto start-stop at load request (QMC)

QPA

Option with ComAp controller on board

OUTPUT

GCB accessible from the outside
Total output power with drawal
Powerlocks
Up to 10 Module sockets for construction site







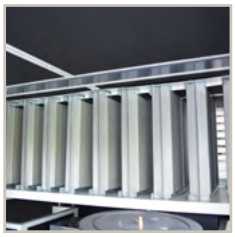

Fuel Supply

Oversized tank on board
Fuel connections with 3-way valve and quick connections
External refill point with warning light for full tank
Automatic fuel refilling system on board

Optional





Canopy

IP 43 Conveyors
Double soundproofing
Frontal air expulsion
Custom colour casing paint
High resistance canopy treatment for corrosive environments
Stainless steel canopy option
Lift off doors kit
Tamper-proof Hinges and Doors
Fire detection and estinguishing kit
Internal LED lighting with micro-switches
Door opening alarm system




Handling

Off-road trailer with 2 pneumatic wheels and tow bar
Roadworthy trailer (80km/h)








Various

Toolbox for routine maintenance
IP 55 document pocket

Separate Switching Panels - ATS

Separate Parallel Panels

Services

Factory acceptance test (FAT)
Vibrations test
Phonometric test

Tanks

Double wall tanks with feet, with pull-off valve
Single wall tank for outdoor use with bunded base and roof

External tanks and transfer systems

Automatic fuel refilling system with bunded base on trestle
Tanks with bunded base on trestle

Testing Rooms

TR1 — Testing Room 1 from 5 to 1000 kW Certified for phonometric tests

LOW Voltage	*DC Voltage*
50 Hz **400 - 380 - 230 V** 60 Hz **480 - 240 - 208 - 220 - 277 V**	**48 VDC**



Features of Testing Room N° 1

- 607 kW x 2 automatic test with 10 load steps
- 35 kW automatic test with 10 load steps
- 10 kW automatic test in DC with 10 load steps
- Full tests with 6 PT 100 probes, 3 thermal probes
- Air flow test with anemometer
- Vibrations test
- Phonometric test
- Data registration by MODBUS

TR2 — Testing Room 2 from 250 to 4000 kW

LOW Voltage	*MEDIUM Voltage*
50 Hz **400 - 380 - 230 V** 60 Hz **480 - 240 - 208 - 220 - 277 V**	50 Hz **3/3.3 - 6/6.3/6.6 -10/11 -15 kV** 60 Hz **4 - 7.2/11.4 - 12.4/13 kV**



Features of Testing Room N° 2

- 3000 kW automatic test with 20 load steps
- Multi-voltage transformer with MV cells
- Full tests with 6 PT 100 probes, 3 thermal probes
- Parallel test for up to 6 containers
- Air flow test with anemometer
- Vibrations test
- Phonometric test
- Data registration by MODBUS

About us









45
Years of experience

Company

Elcos is located in Northern Italy, in the province of Cremona. It has been operating in the domestic and international market for over forty-five years.

Elcos researches and develops products that use innovative technologies in order to optimize its production efficiency and performances provided by its systems, offering the user (from 1 to 3150 kVA) a customized product.

Elcos is an independent group that designs and produces in Italy power generation systems (emergency and self-production) intended for the international market.ELCOS has promoted an internal behavioural code based on customer satisfaction.

Product quality and customer satisfaction: the passions that guide us. The R&D department is constantly studying the possibilities of technological innovation to improve the products proposed, to explore the possibilities of new products and to improve production processes. Always focused on quality, ensuring conformity of the product and the processes according to legislation, by respecting environmental issues.
The R&D department implements existing systems and looks forward to future opportunities that can meet the needs of customers.

QAIC/IT/91790-A

Other Elcos products

GE-RB	GE-SS	GE-BF	GE-TLC	GMV-BF	NO BREAK
					
GDC-HS	**GDC-SAPS**	**GE-ECHO**	**GE-ZIP**	**TF**	**AGRIPLUS**
					



ELCOS
POWER GENERATORS

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