

.SP

SILENT PRO POWER GENERATORS

1500 r.p.m. - 50 Hz - 400/230 V

10 - 250 kVA



ELCOS
POWER GENERATORS



THE PERFECT SOLUTION IN THE EVENT OF MAINS FAILURE



**SOUND
ATTENUATED**



**STAND BY
APPLICATIONS**



**QUICK AND SAFE
INSTALLATION**



SILENT PRO POWER GENERATORS 10 - 250 kVA



Engines and alternators available

YANMAR

Perkins

FPT
POWERTRAIN TECHNOLOGIES

Baudouin

meccalte

Standard equipment



Wiring outlet



Panel with door, keylock and porthole



Tank with wide tank refilling point and fuel level indicator



Forklift tunnel for safe handling



Central lifting hooks integrated allow handling with cranes



Residential muffler -35 dBA, equipped with exhaust terminal with self-closing rain cover



Wide opening doors for inspection and maintenance



Battery isolator for maintenance and storage

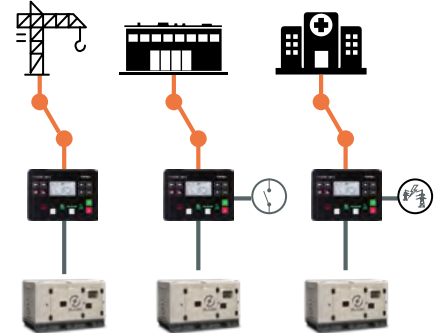
QBM



On board panel without integrated switching (Variant +011)

Applications

- Emergency to the mains



The SWITCHING is externally managed through separate ATS panels (optional)

Intelilite 4 AMF 25



ComAp 
The heart of smart control

Command and control card

→ Equipment

- Microprocessor logic
- Backlit refractive display
- 350 alarm event memory
- Multi-language management
- Diagnostics with suggestions

→ Engine measures

- Fuel tank level %
- Engine oil pressure BAR (1)
- Engine coolant temperature °C (1)
- Total operating hours
- Partial operating hours
- Hours left for maintenance
- Battery voltage
- Battery charge voltage
- Start-up count
- Engine revolutions
- Engine oil temperature (2)
- Cooler temperature (2)
- Engine oil level (2)
- Engine water level (2)
- Cooling circuit pressure (2)
- Turbine air pressure (2)
- Fuel consumption (2)

→ Alternator measures

- Generator voltage L1, L2, L3
- Generator voltage L1-N, L2-N, L3-N
- Generator frequency
- Generator currents su L1, L2, L3
- Generator apparent power kVA
- Generator active power kW
- Generator reactive power kVAr
- Power produced kWh
- Power factor Cosfi

→ Mains measures

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

(1) Present with sensor installed on the engine
(2) Present depending on the type of engine setup and control unit (ECU - Canbus)

Optional



Engine

Diesel filter water separator (img 1)

Engine fluid -40 °C

Oil extraction pump (img 3)

230 Vac heater engine preheating



Batteries

Maintenance-free high efficiency starter batteries (img 3)



Exhaust

Spark arrestor (img 4)

Exhaust flex pipe (3 mt lenght)

Fuel supply

Quick coupling connectors with 3-way valve for external tank

Automatic fuel refilling system on board



Electrical on board

Adjustable differential

Module cellular modem 2G/3G/4G
in combination with a GPS/GLONASS receiver

Expansion module with ethernet port
installed on the control board

Plug-in module with RS232 and RS485 communication port
for connection to a computer or Mod-bus connection



Spare parts

Toolbox for routine maintenance

Switching panels - ATS

QC - switching panel with management control board (img 5)

QLTS - panel with motorized switch (img 6)



External tanks and automatic fuel refilling systems

Automatic fuel refilling system with bunded base (img 7,8)

Tanks with floor bunded base



Tanks

Double wall fuel tanks with tear valve (img 9)

Single wall fuel tanks for outdoor use with bunded base and roof (img 10)

Services

Factory Acceptance Test (FAT)

Vibrations test





SILENT PRO POWER GENERATORS

Product range

10 - 100 kVA

	 ELCOS CODE	 LTP kVA	 PRP kVA	 ENGINE	 MODEL	 COOLING	 EMISSIONS	 SPEED GOVERNOR	 DIMENSIONS L x L x H	 WEIGHT kg	 TANK lt	 AUTONOMY @ 75% h	 ACOUSTIC PRESSURE @ 7m	 SWITCH A
10 kVA														
GE.PK.011/010.SP		9,9	9	Perkins	403A-11G1	W50°	Stage 0	M	165x80x104	616	25	11	60	16
GE.YAS5.011/010.SP		11	10	Yanmar	3TNV80F	W50°	Stage 5	M	165x80x104	560	32	18	60	16
15 kVA														
GE.BD.017/015.SP		17	15	Baudouin	4M06G2D0/S	W50°	Stage 0	E	186x86x113	718	35	10	60	20
GE.PK.017/015.SP		16	15	Perkins	403A-15G2	W50°	Stage 0	M	165x80x104	645	32	11	60	20
GE.YAS5.017/015.SP		17	15	Yanmar	3TNV88F	W50°	Stage 5	M	165x80x104	608	32	13	60	20
20 kVA														
GE.BD.022/020.SP		21	20	Baudouin	4M06G4D0/S	W50°	Stage 0	E	186x86x113	731	35	8	62	32
GE.PK.022/020.SP		22	20	Perkins	404A-22G1	W50°	Stage 0	M	175x85x104	711	32	8	62	32
GE.YAS5.022/020.SP		22	20	Yanmar	4TNV88-BIECS	W50°	Stage 5	M	175x85x104	641	32	8	61	32
30 kVA														
GE.AI3A.033/030.SP		33	30	FPT	R24MSFS01.31A01	W50°	Stage 0	E	185x105x122	920	48	9	66	50
GE.BD.035/032.SP		35	32	Baudouin	4M06G6D0/S	W50°	Stage 0	E	195x105x122	826	48	9	65	50
GE.PK.034/031.SP		33	30	Perkins	1103A-33G	W50°	Stage 0	M	185x105x122	963	48	9	66	50
GE.YA.037/033.SP		37	33	Yanmar	4TNV98	W50°	Stage 3A	M	195x105x122	802	48	10	65	50
40 kVA														
GE.BD.044/040.SP		44	40	Baudouin	4M06G8D0/S	W50°	Stage 0	E	195x105x122	849	48	7	67	63
GE.YA.047/044.SP		47	44	Yanmar	4TNV98T	W50°	Stage 2	M	195x105x122	835	48	7	65	63
50 kVA														
GE.AI.056/051.SP		55	50	FPT	R38MSNS01.55A02	W50°	Stage 0	M	200x105x129	1116	72	8	67	80
GE.BD.055/050.SP		55	50	Baudouin	4M06G10D0/S	W50°	Stage 0	E	221x105x129	968	80	9	67	80
GE.PK.051/046.SP		50	45	Perkins	1103A-33TG1	W50°	Stage 0	M	200x105x129	1166	72	9	67	63
60 kVA														
GE.AI.066/060.SP		66	60	FPT	R38MSNS01.66A02	W50°	Stage 0	M	200x105x129	1202	72	8	67	100
GE.BD.065/060.SP		65	60	Baudouin	4M10G2D0/S	W50°	Stage 0	E	221x105x129	1225	130	12	69	100
GE.PK.067/061.SP		66	60	Perkins	1103A-33TG2	W50°	Stage 0	M	200x105x129	1223	72	7	67	100
80 kVA														
GE.AI.090/080.SP		90	80	FPT	N45SM3	W50°	Stage 0	M	220x105x129	1272	130	9	69	125
GE.BD.090/082.SP		88	80	Baudouin	4M10G4D0/S	W50°	Stage 0	E	221x105x129	1266	130	10	69	125
GE.PK.088/080.SP		88	80	Perkins	1104A-44TG2	W50°	Stage 0	M	220x105x129	1346	130	10	68	125
100 kVA														
GE.AI.110/100.SP		110	100	FPT	N45TM2A	W50°	Stage 2	M	235x105x139	1419	160	10	69	160
GE.BD.110/100.SP		110	100	Baudouin	4M10G6D0/S	W50°	Stage 0	E	238x110x140	1389	130	9	69	160
GE.PK.110/100.SP		110	100	Perkins	1104C-44TAG2	W50°	Stage 2	E	235x105x139	1454	160	10	69	160

Product range

130 - 250 kVA



 ELCOS CODE	 LTP kVA	 PRP kVA	 ENGINE	 MODEL	 COOLING	 EMISSIONS	 SPEED GOVERNOR	 DIMENSIONS L x L x H	 WEIGHT kg	 TANK lt	 AUTONOMY @ 75% h	 ACOUSTIC PRESSURE @ 7m	 SWITCH A
130 kVA													
GE.AI.131/120.SP	135	120	FPT	N45TM3	W50°	Stage 0	M	271x135x150	1638	220	11	68	250
GE.BD.150/135.SP	145	130	Baudouin	6M11G2D0/S	W50°	Stage 0	E	306x140x159	1848	220	10	69	250
GE.PK.151/137.SP	150	135	Perkins	1106A-70TG1	W50°	Stage 0	M	271x135x150	1861	220	10	69	250
150 kVA													
GE.AI.176/165.SP	176	165	FPT	N67TM4	W50°	Stage 0	M	271x135x150	1830	220	8	70	250
GE.BD.165/150.SP	165	150	Baudouin	6M11G4D0/S	W50°	Stage 0	E	306x140x159	1883	220	9	70	250
GE.PK.166/150.SP	165	150	Perkins	1106A-70TAG2	W50°	Stage 0	M	271x135x150	1959	220	9	69	250
180 kVA													
GE.PK.205/185.SP	200	180	Perkins	1106A-70TAG3	W50°	Stage 0	E	271x135x150	2189	288	9	70	320
200 kVA													
GE.AI.221/201.SP	220	200	FPT	N67TM7	W50°	Stage 0	M	271x135x150	2060	288	8	70	320
GE.BD.220/200.SP	220	200	Baudouin	6M16G2D0/S	W50°	Stage 0	E	330x140x166	2483	360	12	70	320
GE.PK.220/200.SP	220	200	Perkins	1106A-70TAG4	W50°	Stage 0	E	271x135x150	2189	288	9	70	320
250 kVA													
GE.AI.275/250.SP	275	250	FPT	N67TE8P	W50°	Stage 0	E	330x140x171	2218	360	10	71	400
GE.BD.250/225.SP	250	230	Baudouin	6M16G4D0/S	W50°	Stage 0	E	330x140x171	2612	360	10	70	400
GE.BD.275/250.SP	275	250	Baudouin	6M16G6D0/S	W50°	Stage 0	E	330x140x171	2612	360	9	70	400
GE.PK.275/250.SP	275	250	Perkins	1206A-E70TTAG3	W50°	Stage 0	E	330x140x171	2612	360	9	68	400



ELCOS SRL
Strada Statale 234 Km 58.250 -
26023 Grumello Cremonese CR - Italy
tel +39 0372 72330 - fax +39 0372 7233220
PI 01084730199
info@elcos.net - elcos@pec.elcos.net
www.elcospowergenerators.com

