Hot air generators

104 | Condensing hot air generator – **Serie X**

108 | Hot air generator – **Serie G**

Recommended use and operating limits available in the technical datasheets on our Internet site

SERIE X CONDENSING HOT AIR GENERATOR

HOT AIR “CONDENSATION” HEATING SOLUTION FOR:

- Industrial premises
- Warehouses
- Car garages
- Sports halls
- Workshops
- Churches

Hot air heating solution by direct blowing or ductwork

CLASS 5* NOx CLASS 5

** Class 5 ≤ 50 mg/kWh*

Technical data can be consulted on **www.edibatec.com**

“The choice of a Solaronics condensation generator was motivated in the context of an energy performance contract by the desire to replace obsolete, energy-wasting equipment by equipment with better efficiency, innovatory technology and compliant with future environmental regulations. The choice of the Solaronics brand was also motivated by their recognised expertise in technical and after-sales service. After four years’ operation we have seen a significant decrease in gas consumption in the building, together with a very satisfying operating reliability.”

Hervé SPENDRA, Business manager, Pôle Maintenance, Cofely Axima

107% combustion efficiency

30% to 100% power modulation

5 NOx Class

36 models from 59.8 to 310 kW

ENERGY SAVINGS BETWEEN 15% AND 45%

Combustion efficiency above 107%

HIGH EFFICIENCY 107%

EMISSIONS OF NOx < 50 MG/KWH

FACTORY-FITTED “WEATHER PROOF” (ON OUTDOOR MODELS)

BALANCED FLUE CONNECTION AVAILABLE

Modbus RS485 communication option available

AVAILABLE PRESSURE UP TO 800 Pa

9 models from 59.8 to 310 kW available in 4 versions:

- Indoor vertical X
- Indoor horizontal XH
- Outdoor vertical XE
- Outdoor horizontal XEH

Energy: Natural gas or propane

Aluminium profiled structure, double layered body of 20 mm in thickness, thermo-acoustic insulation

PREMIX burner

Stainless steel combustion chamber

Counter-flow heat exchanger

Centrifugal fan(s)

Wall-mount electric panel, including connectors, relays, thermal and light indicators

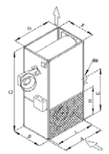
Security and control airstats

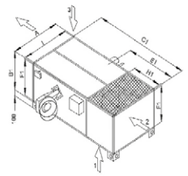
Possible balanced flue C13, C33, C53 type

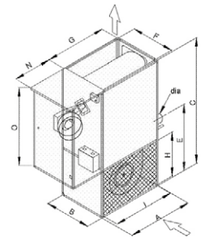
Carel digital controller, Clima model

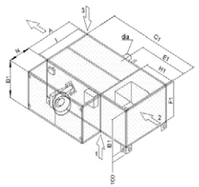
Modbus RS485 communication option available

Factory-fitted “Weather proof” body for burner, components and electrical panel protection (on outdoor models)









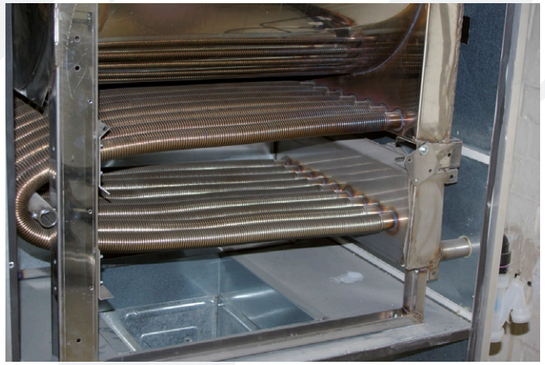
REFERENCES

Airbus | Coca-Cola | Sports hall Léo Lagrange Aulnay-sous-Bois | Kremlin Rexson | Leduc SA | SNCF | Teplopromsystem

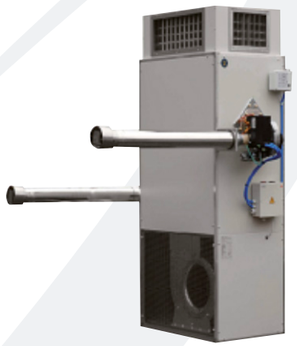
TECHNICAL SPECIFICATIONS

		X 50 XH 50 XE 50 XEH 50	X 65 XH 65 XE 65 XEH 65	X 80 XH 80 XE 80 XEH 80	X 100 XH 100 XE 100 XEH 100	X 150 XH 150 XE 150 XEH 150	X 175 XH 175 XE 175 XEH 175	X 200 XH 200 XE 200 XEH 200	X 250 XH 250 XE 250 XEH 250	X 300 XH 300 XE 300 XEH 300
Output power	kW	59.8	73	96.3	116.6	178.6	201.8	234.2	269	310
Combustion efficiency	%	97.6	96.1	97.8	95.6	99.8	99.4	98.4	99.3	98.7
Minimum thermal output power (Pmin)	kW	23.3	23.3	33.4	33.4	56.65	56.65	56.65	94.51	109
Thermal efficiency (Pmin)	%	106	106	107.8	107.8	106.9	106.9	106.9	107.4	106.9
Air flow rate at 18°C	m^3/h	4 700	6 100	7 560	9 200	13 000	15 800	18 000	20 800	24 000
Available pressure	Pa	150	150	150	150	200	200	200	200	200
ΔT air range (Pmax)	°C	37	35	37	37	40	37	38	37	37
NOx		Class 5								
Output power of motors	kW	0.736	0.736	1.5	2.2	3	4	5.5	2 x 3	2 x 4
Electrical supply		1 x 230 V + N - 50 Hz		3 x 400 V + N - 50 Hz						

PREMIX burner



Counter-flow heat exchanger



Example of balanced flue connection

For more information on the **condensing hot air generator of Serie X**, scan this QR code with your smartphone or see our Internet site

SERIE G HOT AIR GENERATOR

HOT AIR HEATING SOLUTION BY DIRECT BLOWING OR DUCTWORK FOR:

- Industrial premises
- Warehouses
- Car garages
- Sports halls
- Workshops
- Churches

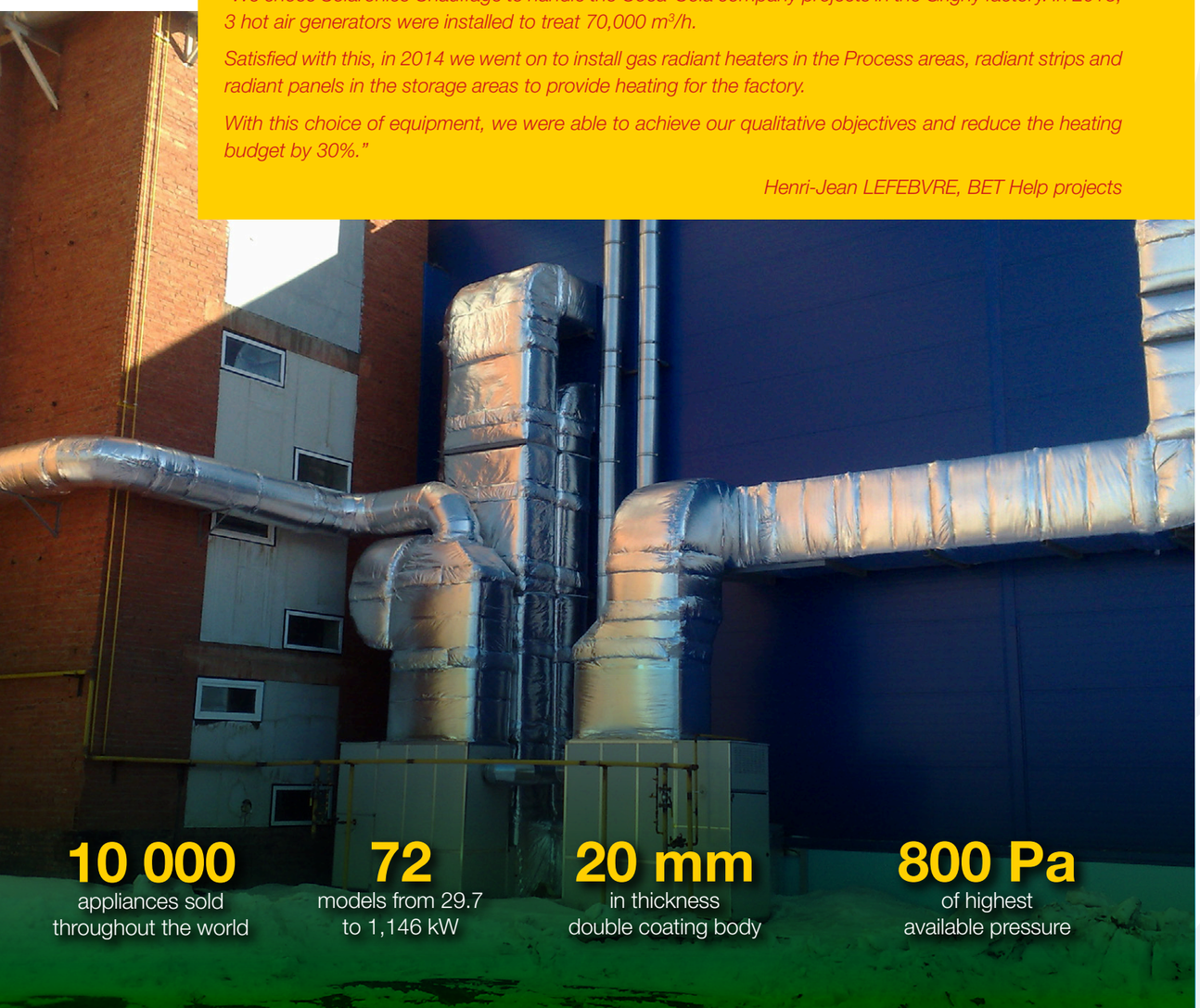
Technical data can be consulted on **www.edibatec.com**

"We chose Solaronics Chauffage to handle the Coca-Cola company projects in the Grigny factory. In 2013, 3 hot air generators were installed to treat 70,000 m³/h.

Satisfied with this, in 2014 we went on to install gas radiant heaters in the Process areas, radiant strips and radiant panels in the storage areas to provide heating for the factory.

With this choice of equipment, we were able to achieve our qualitative objectives and reduce the heating budget by 30%."

Henri-Jean LEFEBVRE, BET Help projects



10 000 appliances sold throughout the world

72 models from 29.7 to 1,146 kW

20 mm in thickness double coating body

800 Pa of highest available pressure

A PROVEN TECHNOLOGY LOW INSTALLATION COST

Aluminium profiled structure

LOW RUNNING COST **IMMEDIATE COMFORT**

Double coating body **Simple design**

Factory-fitted "Weather proof" (on outdoor models)

Available pressure up to 800 Pa

Best price power €

18 models from 29.7 to 1,146 kW in 4 versions:

- Indoor vertical GVE
- Indoor horizontal GHE
- Exterior vertical GVEX
- Exterior horizontal GHEX

Energy: fuel oil

Aluminium profiled structure, double coating body of 20 mm in thickness, thermo-acoustic insulation

AISI 430 stainless steel combustion chamber

Heat exchanger of strong thickness with turbulators and 2 collectors of smokes

Available with 1 or 2-stage or modulating burner

Equipped with Burner of brand CUENOD

Large flame area

Supplied burner flange adapter

Wall-mount electric panel, including connectors, relays, thermal and light indicators

Security and control airstats

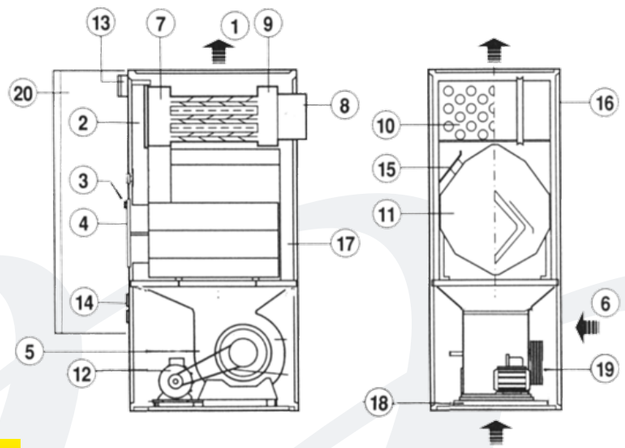
"Weather proof" body for burner, components and electrical panel protection (on GVEX/GHEX models)

REFERENCES

Air Products | Airbus | Alstom | Bombardier | Coca-Cola | Dassault | Church Leffrinckoucke | Church Saint Vincent (Le Havre) | Hermès Métal | Luxfer | Montupet | Promod | SNCF | Tefal | Vallourec

MAIN COMPONENTS

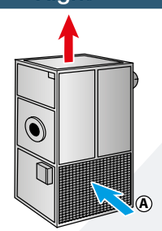
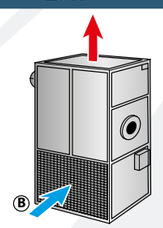
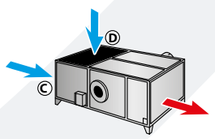
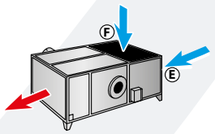
1 Air outlet
2 Trapdoor of the smoke box
3 Flame peephole
4 Anchor plaque burner
5 Centrifugal fan
6 Recycling air grid (inlet)
7 Smoke box (front)
8 Flue exhaust
9 Smoke box (back)
10 Tubular heat exchanger
11 Combustion chamber
12 Fan motor
13 Thermostat - Fan-Limit-Limit2
14 Electrical control panel
15 Air baffles
16 Frame in aluminium profiles



17 Insulated sandwich panels
18 Tensioning device – Engine slider
19 Pulleys and driving belts
20 Cabinet protection for the burner and electrical components (outdoor models only)

Horizontal hot air generators (GHE/GHEX) are delivered with a supporting base

EASEMENT

Description	Right	Left
Vertical		
Horizontal		

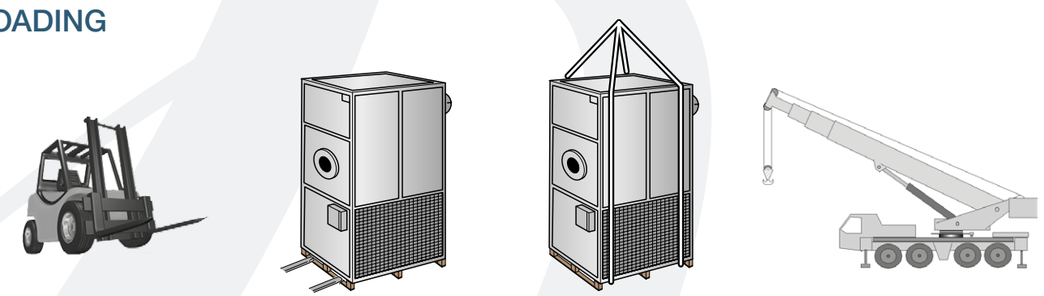
Easement is to be defined by the Installer (no extra price). With no indication in the order, the generators are delivered in left easement by default up to a size of 200 (included) and right easement above the size 200

TECHNICAL SPECIFICATION

		GVE 25 GHE 25 GVEX 25 GHEX 25	GVE 35 GHE 35 GVEX 35 GHEX 35	GVE 50 GHE 50 GVEX 50 GHEX 50	GVE 65 GHE 65 GVEX 65 GHEX 65	GVE 80 GHE 80 GVEX 80 GHEX 80	GVE 100 GHE 100 GVEX 100 GHEX 100	GVE 125 GHE 125 GVEX 125 GHEX 125	GVE 150 GHE 150 GVEX 150 GHEX 150	GVE 175 GHE 175 GVEX 175 GHEX 175
Heating capacity	kW	32.6	45	65.1	83.7	105	129	165	192	223
Heat output	kW	29.7	40.7	59.3	75.6	95.3	116.3	148.9	173.3	203.5
Air flow rate at 18°C	m^3/h	1 950	2 750	4 000	5 100	6 300	7 800	9 700	11 700	13 700
Standard pressure	Pa	60	50	200	90	170	150	200	220	210
Motor power (with standard pressure)	kW	0.15	0.25	0.59	0.74	1.1	1.5	1.5	2.2	2.2
Sound level at 4 m	dB_A	61	62	71	72	71	72	73	72	72
Power supply		1 x 230 V + N - 50 Hz (with standard pressure)				3 x 400 V + N - 50 Hz				
Fuel oil burner (option)		1 stage				1 stage				
Natural gas burner (option)		1 stage				1 stage				
Number of motors		1	1	1	1	1	1	1	1	1

		GVE 200 GHE 200 GVEX 200 GHEX 200	GVE 250 GHE 250 GVEX 250 GHEX 250	GVE 300 GHE 300 GVEX 300 GHEX 300	GVE 375 GHE 375 GVEX 375 GHEX 375	GVE 425 GHE 425 GVEX 425 GHEX 425	GVE 500 GHE 500 GVEX 500 GHEX 500	GVE 600 GHE 600 GVEX 600 GHEX 600	GVE 750 GHE 750 GVEX 750 GHEX 750	GVE 900 GHE 900 GVEX 900 GHEX 900
Heating capacity	kW	258	319	387	482	542	632	763	957	1 136
Heat output	kW	232.6	290.7	348.8	436	494.2	569.8	697.7	872.1	1 046.5
Air flow rate at 18°C	m^3/h	15 600	19 800	23 500	29 200	33 000	38 700	46 500	55 200	69 500
Standard pressure	Pa	190	170	200	190	220	160	240	260	290
Motor power (with standard pressure)	kW	3	2.2	3	3	4	5.5	4	5.5	5.5
Sound level at 4 m	dB_A	73	74	74	75	75	76	75	76	78
Power supply		3 x 400 V + N - 50 Hz								
Fuel oil burner (option)		2 stage								
Natural gas burner (option)		2 stage				modulating				
Number of motors		1	2	2	2	2	2	3	3	4

UNLOADING



The generators are delivered on wood pallet with special frame for big powers. They can be unloaded with a forklift up to a size of 300. For sizes larger than 300, prepare a crane or a hoist for unloading

For more information on the **hot air generator of Serie G**, scan this QR code with your smartphone or see our Internet site