

GREENOX BT COND



DESCRIPTION

Three pass wet back condensing boiler able to produce hot water with a maximum temperature of 100°C. BAX condensing coil installed at the rear of the boiler. Can be connected to burners operating on gaseous fuels.

FEATURES



Design pressure: 5 bar



Heat output: 1000 ÷ 3000 kW



Efficiency: > 107,0 %

For higher pressures see our commercial department

ADVANTAGES

High efficiency and large exchange surfaces

Extremely high energy efficiency thanks to the large exchange surfaces allowing top efficiency values under all operating conditions.



Maximum security

The generator has been designed in accordance with the strictest international safety regulations in force.



Easy, fast and safe installation

The installation is very easy: you just need to connect the system to the electric, hydraulic, steam and discharge lines.



High reliability in continuous operation

The construction features are such to make it particularly suitable to high working loads and long working periods.



Low thermal load

NOx emissions in compliance with the most stringent standards thanks to the extremely low volumetric thermal load designed to obtain the best coupling with low emission burners.



Maximum operating flexibility

Thanks to the very high water content and the very high thermal inertia, the boiler is suitable for any system solution, even in the most difficult operating conditions.



Condensing boiler with condenser

MODELS

GREENOx BT COND 5 bar

Design pressure: **5 bar**

Heat output: **1000 ÷ 3000 kW**

100% efficiency (ref. NCV)

- average temperature at 70°C: **98,3 %**
- del./ret. temperature 50°/30°C: **107,5 %**

30% efficiency (ref. NCV)

- average temperature at 70°C: **98,5 %**
- del./ret. temperature 50°/30°C: **109 %**



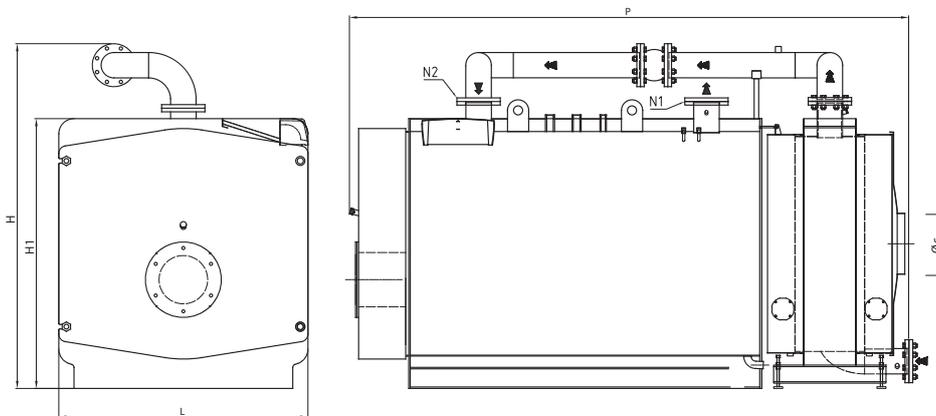
MAIN APPLICATIONS

- + Commercial facilities
- + Hospitals
- + District heating
- + Heavy industry
- + Residential buildings
- + Industrial heating systems
- + Sports centers
- + Swimming pools and water parks

TECHNICAL DATA

Model	Heat output, average temp. 70°C	Heat output, del./ref. temp. 50°/30°C	Flow thermal	Flue gas pressure drop	Hydraulic pressure drop	H2O volume	Empty weight
GREENox BT COND	kW	kW	kW	mbar	mbar	l	kg
100	914	1000	930	3,5	-	1800	3100
120	1097	1200	1116	5	-	1800	3100
140	1280	1400	1302	5,4	-	2000	3850
160	1463	1600	1488	7	-	2000	3850
180	1646	1800	1674	5,0	105	2957	6080
200	1829	2000	1860	6,0	130	2957	6080
230	2103	2300	2140	7,5	172	2957	6080
260	2377	2600	2419	7,0	69	3507	6750
300	2743	3000	2791	9,0	93	3507	6750

DIMENSIONS



Model	H	H1	L	P	Øc	N1	N2
GREENox BT COND	mm	mm	mm	mm	mm	mm	mm
100	2089	1950	1490	3330	400	150	150
120	2089	1950	1490	3330	400	150	150
140	2121	1950	1490	3797	400	150	150
160	2121	1950	1490	3797	400	150	150
180	2448	1950	1800	4180	400	150	150
200	2448	1950	1800	4180	400	150	150
230	2448	1950	1800	4180	400	150	150
260	2554	1950	1800	4680	400	200	200
300	2554	1950	1800	4680	400	200	200

STANDARD EQUIPMENT

- Complete insulation casing
- Turbulators
- Cleaning brush

PRODUCT CODES

Model	Code
BT COND 100	83071050
BT COND 120	83071250
BT COND 140	83071450
BT COND 160	83071650
BT COND 180	83071850
BT COND 200	83072050
BT COND 230	83072350
BT COND 260	83072650
BT COND 300	83073050

AVAILABLE ACCESSORIES

Code	Description	GREENOX BT COND
81020001	Neutraliser	■
81020002	Neutraliser with pump	■
QACCBT01ELMCE	Thermostatic control panel	■
QETERM01CE	Eterm boiler management control panel	■
QETERM01RU2 *	Eterm boiler management control panel - only for Russia and the former Soviet Union	■
QETERM02	Eterm system control panel	■
QCTETERM	Eterm Easy manager panel	■