EXTRA POWER

EXTRA POWER is a novelty on the heating equipment market, which is a response to the increasingly frequent problems with the operation of heat pumps, for example in winter or during unfavorable weather conditions, e.g. gales, heavy rain, storms.
All this is not conducive to the operation of not only the heat pump, but also other energy sources. In such situations, the **EXTRA POWER** boiler can be successfully used.
EXTRA POWER is a condensing boiler specially designed to work with heat pumps. It is an ideal support for the heat pump, especially during periods of increased heat demand. This combination allows for ensuring comfort even during the greatest frosts.
Thanks to the power supply from a gas cylinder, it can be successfully used wherever there is no possibility of connecting to the gas network.
An additional advantage is that it can be installed at any stage of the heat pump operation and, most importantly, it does not require major modifications to the central heating system.
EXTRA POWER differs from the well-known condensing boilers in its construction - its design has been adapted to the conditions of cooperation with heat pumps. The idea of installation is similar to the method of installing a flow heater.
The boiler contains a distributor assembly regulating the flow of heating water, which allows the boiler to be adapted to the characteristics of the heating installation.
Compared to typical condensing boilers, EXTRA POWER does not have its own circulation pump and 3-way valve, because these functions are performed on the existing installation - **the device is a support for the heat pump, it cannot operate as an independent heating unit.**

parameters	Value
Thermal power (at temp. 80/60°C)	3,3 - 19,1 kW
Thermal power (at temp. 50/30°C)	3,7 - 21,0 kW
Heat load	3,4 - 19,5 kW
Efficiency of the boiler at nominal load and average boiler water temperature of 70°C	98,0 %
Efficiency of the boiler at partial load and return water temperature of 30°C	108,0 %
Seasonal space heating energy efficiency class	A
Useful heat output at rated thermal power P4 (for modulated boilers - arithmetic mean of min and max)	19,1 kW
Useful heat output at 30% of rated power P1 (for modulated boilers - 30% of arithmetic mean)	6,3 kW
Efficiency η4	90,4 %
Efficiency η1	100,0 %
Max water pressure	3 bar
Max CH temperature	95 °C
Standard adjustable temperature	40 - 80 °C
Reduced adjustable temperature	25 - 55 °C
Sound power level LWA	48,0 dB
Emission of nitrogen dioxide	35 mg/kWh
Emission class of nitrogen dioxide (NOx)	6
Standby mode power consumption PSB	0,002 kW
Electricity consumption at full load elmax	0,066 kW
Electricity consumption at partial load elmax	0,054 kW
Type and supply voltage	~ 230 ±10%/ 50Hz V
Protection degree	IPX4D
Dimensions	775 x 400 x 310 mm
Weight	29,0 kg