ECOCONDENS CRYSTAL PLUS - 50

7 LAT GWARANCJI / YEAR WARRANTY

POLSKI PRODUCENT / POLISH PRODUCER

UKŁADY KASKADOWE / CASCADE SYSTEMS

ECOCONDENS CRYSTAL PLUS 50 boilers are intended to heat large areas (large single-family houses, multi-family residential buildings, tenement houses). Devices belong to ecological and economical heating units. By using ECOCONDENS CRYSTAL PLUS 50 you may build a heat-only boiler station with power up to 225 kW. All the devices are connected in cascade by one cascade manager.

- heat exchanger made of stainless steel
- new generation stainless steel heat exchanger with aluminium burner door, resulting in less heat loss
- stepless speed regulation fan (controlled electronically)
- cylinder burner made of stainless steel low level of NOx emission (5th class)
- modern and transparent control panel
- complete system of safety measures
- works with cascade managers
- circulation pump with automatic air-vent
- Open-therm system available.

Accessories

CASCADE MANAGER AX 1203 SQ

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CR11011

OUTSIDE TEMPERATURE SENSOR

parameters	Value
Thermal power (at temp. 80/60°C)	5,5-45,0 kW
Thermal power (at temp. 50/30°C)	6,1-49,6 kW
Heat load	5,7-46,2 kW
Seasonal space heating energy efficiency ηs	91 %
Efficiency of the boiler at nominal load and average boiler water temperature of 70°C	97,4 %
Efficiency of the boiler at partial load and return water temperature of 30°C	107,7 %
Seasonal space heating energy efficiency class	A
Useful heat output at rated thermal power P4 (for modulated boilers - arithmetic mean of min and max)	45,0 kW
Useful heat output at 30% of rated power P1 (for modulated boilers - 30% of arithmetic mean)	14,6 kW
Efficiency η4	88 %
Efficiency η1	97,5 %
Max water pressure	3 bar
Max CH temperature	95 °C
Standard adjustable temperature	20-80 °C
Pump head at 0 flow	0,7 bar
Range of water temperature regulation	35-65 °C
Sound power level LWA	69 dB
Emission of nitrogen dioxide	50 mg/kWh
Emission class of nitrogen dioxide (NOx)	5
Max. amount of condensate (natural gas)	4,7 l/h
Expansion vessel capacity	8 dm^3
Standby mode power consumption PSB	0,005 kW
Electricity consumption at full load elmax	0,10 kW
Electricity consumption at partial load elmax	0,07 kW
Type and supply voltage	~230±10%/50Hz V
Protection degree	IPX4D
Heating water and gas connection	G3/4 inch
Dimensions	730x400x440 mm
Weight	37,5 kg
Exchanger material	stainless steel