

## TECHNICAL DATA

Electric boiler type	Unit	EK08	EK15	EK24
<b>Electric parameters</b>				
Total electric input	kW	7,6	15,2	22,8
Rated useful heat	kW	7,5	15	22,5
Rated current	A	12	24	36
Electric coverage degree	IP	40		
Mains voltage	V	3x400 + N + PE / 50 Hz		
Maximum rated current	A	3 x 36		
Pump power input	W	60		
Boiler power input in SLEEP mode	W	0,1		
Main circuit breaker	A	16	25	40
Fuse rated current	A	0,1		
<b>Mechanical parameters</b>				
* Mechanical relay lifetime	-	1 000 000 cycles		
* Electric relay lifetime	-	250 000 cycles, 16 A, 250 V		
Width	mm	440		
Height	mm	820		
Depth	mm	225		
Boiler dry weight	kg	38,5	40	41
Heating water input / output	-	G 3/4"outside		
<b>Working environment requirements</b>				
Min. operating overpressure in heating system	bar	0,8		
Max. operating overpressure in heating system	bar	2,5		
Recommended operating overpressure	kPa	100 ÷ 170		
Circulating pump		Grundfos UP 15-50		
Heating water maximum temperature	°C	80		
Expansion temperature of locking thermostat	°C			
- open system		95***		
- enclosed system		105		
Boiler capacity	l	21		
Environment type ČSN 332000-3	-	normalAA5, AB5		
Efficiency at rated power	%	99		
Supply line CYKY	mm <sup>2</sup>	2,5	4	6
Membrane expansion vessel	l	8		
- effective water capacity				
Filling overpressure	bar	0,8		
Water pressure transducer	bar	0,25 ÷ 2,5		
Ambient temperature	°C	0 ÷ 40		
Storage – transport temperature	°C	-30 ÷ +70		
Electromagnetic compatibility	-	EN 55014, EN 50082-1		
Humidity	%	0 ÷ 90 no condensation		
<b>Instrumentation</b>				
Measurement accuracy	%	< 1		
**Instrumentation accuracy	°C	+/- 1,4		
Instrumentation type for heating water, domestic hot water	-	PI		
<b>Remote control</b>				
External control (EOP)	-	až 7 degrees po 2,5 kW in compliance with used relay		
Cascade	-	Data line	RS 485 (cable 3 x 0,25 mm <sup>2</sup> )	
Service socket	-	Data line	RS 232 (standard link cable)	
Max. number of boilers in cascade arrangement	-	254		

\*Vacuum relay OMRON

\*\* max. overshoot of operating temperature in a el. exchanger

\*\*\* set by the producer