



## **Electric heating boilers** PV ready

Division

12.2022

– Division

 $L_2$   $L_3$  PE

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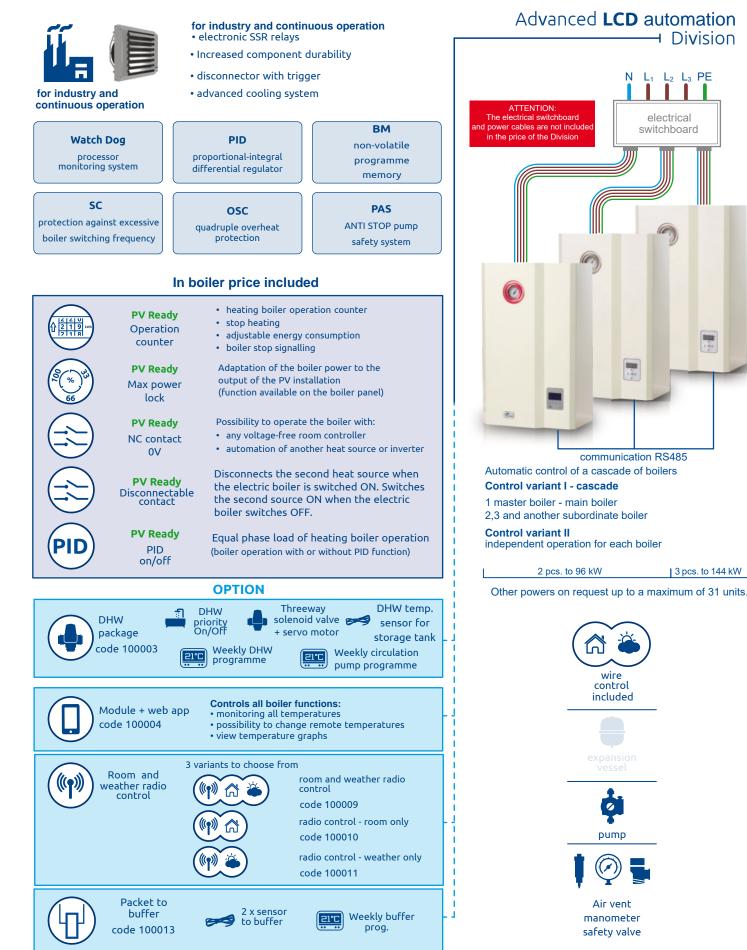
3 pcs. to 144 kW

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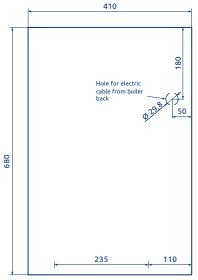
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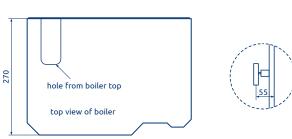
electrical

switchboard



## Division - dimensions of one heating unit from 30-48 kW



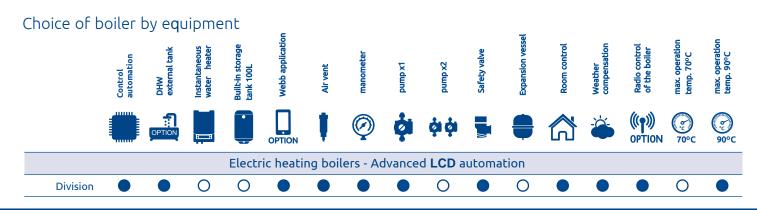


		max power	54 kW	60 kW	66	kW	72 kW	96 l	<w< td=""><td>144 kW</td></w<>	144 kW
23	5 <u>+</u>  + 110 →	Division - code	120054	120060	120	066	120072	1200	96	120144
↓ 1″Ext.	<b>1</b> ″Ext.	factory e	electronic fui	nctions	S					
model	electronic modulation	boiler ma power ma	nual modulation	boile casca			ade main ection		num dia e power	meter of cords
	in 1/12 power	54 kW	18-18-18 kW	27 + 27	7 kW	3 x	100 A		5 x 35 r	nm²
	in 1/12 power	60 kW	20-20-20 kW	30 + 30	0 kW	3 x	100 A		5 x 50 r	nm²
Division	in 1/12 power	66 kW	22-22-22 kW	33 + 33	3 kW	3 x 125 A		5 x 50 mm²		
	in 1/12 power	72 kW	24-24-24 kW	24 kW 36 + 36 kW		3 x 125 A		5 x 50 mm²		
	in 1/12 power	96 kW	32-32-32 kW		48 + 48 kW 3 x		160 A 5 x 70		5 x 70 r	nm²
	in 1/18 power	144 kW	48-48-48 kW	48 + 48 + 48 kW 3 x 2		240 A 5 x 120 r		mm²		
electing the l	poiler power for	the building	агеа							
	Boiler pov	wer selection table	e 250m²	300m <sup>2</sup>	400m <sup>2</sup>	500m <sup>2</sup>	600m <sup>2</sup>	700m <sup>2</sup>	800m <sup>2</sup>	1000m <sup>2</sup>
A+ A	Energy efficient build EUco approx. 50kWh/			<b>15</b> kW	<b>18</b> kW	<b>24</b> kW	<b>24</b> kV	v <b>30</b> kw	<b>36</b> kv	<b>42</b> kW
ВС	Standard building 10- EUco approx. 90kWh/		0W/m <sup>2</sup> 18 kW	<b>24</b> kW	<b>30</b> kW	<b>36</b> kW	<b>42</b> kW	<b>54</b> kW	<b>60</b> kW	<b>72</b> kW
DE	Energy-intensive build EUco approx.150kWh			36 kw 4	48 kw 6	5 <b>0</b> kW	<b>72</b> kW	84 kw 9	6 kw 1	<b>26</b> kw

## Selection of protection for the boiler power

Protection selection —	30 kW	36 kW	42 kW	48 kW
Protection selection	3 phases	3 phases	3 phases	3 phases
Fuses (A)	3 x 50	3 x 63	3 x 80	3 x 80
Power cord (mm²)	5 x 16	5 x 16	5 x 25	5 x 25

\* The exact cross-section of the power cord is selected by the electrician on the basis of an analysis of the local conditions. \*\* protection table for boilers above 24 kW (from 30 kW to 1.5 MW) available on **www.elterm.pl** 



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