30 YEARS ELTERM®

Electric heating boilers
LCD advanced automation

- 30 years of experience
- more than 500,000 satisfied customers throughout Europe

30 years

High efficiency of boiler operation

99,5%

Operation counter

Max. power lock

NC contact 0V
Detachable contact

PID

PV Ready

Ideal for central heating systems.
- in energy efficient construction
- awaiting the gas connection
- alternative, supportive, temporary

No connection to chimney
- environmental protection
- no exhaust emissions
- human and animal friendly

STOP CO_2

Weekly programme
- 9 C.H. programme
- 9 DHW and circulation programmes

21°C

Electric heating boilers
PV ready

Captain
11.2022

30 YEARS ELTERM®

Comply with the directives
- LVD - low voltage - electrical safety
- RoHS - restriction of the use of certain hazardous substances
- EMC - electromagnetic compatibility
- WEEE - on waste equipment, GIOŚ Register no: E0001767W
- ErP - energy efficiency of heat sources
  - Energy efficiency class D

Watch Dog processor monitoring system	**PID** proportional-integral differential regulator	**BM** non-volatile programme memory
SC protection against excessive boiler switching frequency	**OSC** quadruple overheating protection	**PAS** ANTI STOP pump safety system

In boiler price included

PV Ready Operation counter
- Heating boiler operation counter
- stop heating
- adjustable energy consumption
- boiler stop signalling

PV Ready Max power lock
Adaptation of the boiler power to the output of the PV installation (function available on the boiler panel)

PV Ready NC contact 0V
Possibility to operate the boiler with:
- any voltage-free room controller
- automation of another heat source or inverter

PV Ready Disconnectable contact
Disconnects the second heat source when the electric boiler is switched ON. Switches the second source ON when the electric boiler switches OFF.

PV Ready PID On/Off
Equal phase load of heating boiler operation (boiler operation with or without PID function)

OPTION

DHW package code 100003
- Priority DHW On/Off
- Threeway solenoid valve + servo motor
- DHW temp. sensor for storage tank
- Weekly DHW programme
- Weekly circulation pump programme

Module + web app code 100004
Controls all boiler functions:
- monitoring all temperatures
- possibility to change remote temperatures
- view temperature graphs

Room and weather radio control
3 variants to choose from
- room and weather radio controle code 100009
- radio control - room only code 100010
- radio control - weather only code 100011

Advanced automation **LCD** Captain

In boiler price included

Wire Control Included

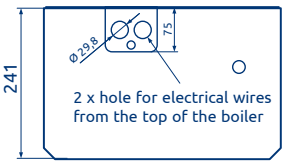
Expansion vessel

pump

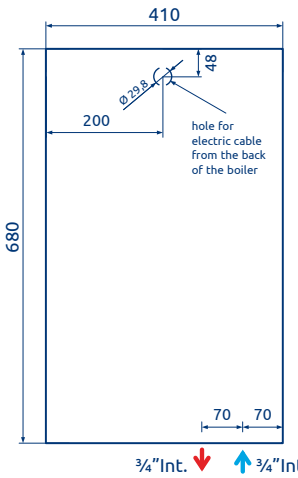
Air vent manometer safety valve

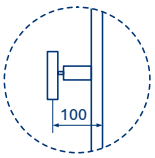
power from 15 to 24 kW

View from boiler top



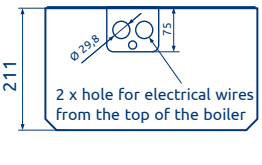
Boiler front view



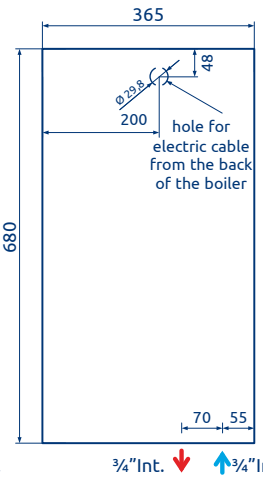


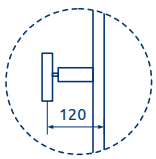
power from 4 to 12 kW

View from boiler top



Boiler front view





max power	6 / 4 kW	9 kW	12 kW	15 kW	18 kW	24 kW	equipment
Captain - code	**126006**	**126009**	**126012**	**126015**	**126018**	**126024**	

Factory electronic functions

model	Boiler output	Max power	Qty. heaters	electronic modulation	manual modulation			
Captain	6 / 4 kW		3 pcs.	in1/3 (1/2) power	6 = 2-2-2 kW	4 = 2-2 kW		
	9 kW		3 pcs.	in 1/3 power	3-3-3 kW			
	12 kW		3 pcs.	in 1/3 power	4-4-4 kW			
	15 kW	4-6-9-15 kW	6 pcs.	in 1/3 power	15 = 5-5-5 kW	9 = 3-3-3 kW	6 = 2-2-2 kW	4 = 2-2 kW
	18 kW	4-6-12-18 kW	6 pcs.	in 1/3 power	18 = 6-6-6 kW	12 = 4-4-4 kW	6 = 2-2-2 kW	4 = 2-2 kW
	24 kW	12-24 kW	6 pcs.	in 1/3 power	24 = 8-8-8 kW	12 = 4-4-4 kW		

Max. power regulation

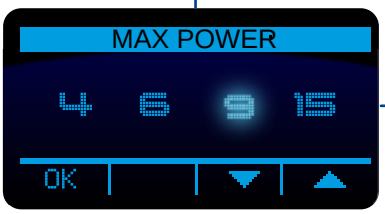
Possibility to reduce the maximum boiler output on the control panel

Algorithm PID

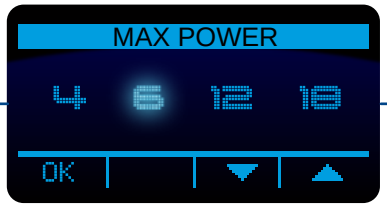
Electronic optimisation of heater operation and boiler output independent of the set maximum output.

Max power lock

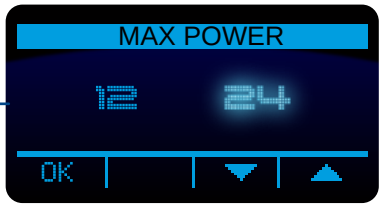
Adaptation of the boiler power to the PV installation power
Particularly useful in summer when the maximum boiler output is greater than the PV installation output (on the control panel)



Captain 15 kW



Captain 18 kW



Captain 24 kW

Selecting the boiler power according to the building area

	Tabela doboru mocy kotła	50m²	75m²	100m²	125m²	150m²	200m²	250m²	300m²
A+ A	Budynek energooszczędny 20-25cm ocieplenia EUco ok.50kWh/m²/rok - Ok. 40W/m²	**4** kW	**4** kW	**6** kW	**6** kW	**9** kW	**9** kW	**12** kW	**15** kW
B C	Budynek standardowy 10-15cm ocieplenia EUco ok. 90kWh/m²/rok - Ok. 70W/m²	**4** kW	**6** kW	**9** kW	**9** kW	**12** kW	**15** kW	**18** kW	**24** kW
D E	Budynek energochłonny 0-5cm ocieplenia EUco ok. 150kWh/m²/rok - Ok. 120W/m²	**6** kW	**9** kW	**12** kW	**15** kW	**18** kW	**24** kW	**30** kW	**36** kW

Selection of protection to boiler power

Dobór zabezpieczeń	4 kW	4 kW	6 kW	6 kW	9 kW	12 kW	15 kW	18 kW	24 kW
	1 faza	2 fazy	1 faza	3 fazy	3 fazy	3 fazy	3 fazy	3 fazy	3 fazy
Bezpieczniki (A)	1 x 20	2 x 10	1 x 32	3 x 10	3 x 16	3 x 20	3 x 25	3 x 32	3 x 40
Przewód zasilający (mm²)	3 x 4	5 x 2.5	3 x 4	5 x 2.5	5 x 2.5	5 x 4	5 x 4	5 x 6	5 x 10

* Dokładny przekrój przewodu zasilającego dobiera elektryk na podstawie analizy warunków miejscowych.
** tabela zabezpieczeń kotłów powyżej 24 kW (od 30 kW do 1,5 MW) dostępna na **www.elterm.pl**

	Control automation	DHW set (option)	instantaneous water heater		web app (option)	Air Vent	manometer	pump x1	pump x2	Safety Valve	Expansion Vessel	Room Control	Weather compensation	Radio control of the boiler	max. operation temp. 70°C	max. operation temp. 90°C
		OPTION			OPTION									OPTION	70°C	90°C
Electric heating boilers - Advanced LED automation																
Captain	●	●	○	○	●	●	●	●	○	●	○	●	●	●	●	○

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