ENERG Y IJA
енергия · ενεργεια IE IA

tecalor

TTC 12.1 comfort

XL

A+++
A++
A+
A
B
C
D

A+++

A+
A
B
C
D
E
F

A+

40dB

0dB

10 kW
10 kW
10 kW

2019

811/2013

Product datasheet: Combination heater to Regulation (EU) No 811/2013 (S.I. 2019 No. 539 / Programme 2)

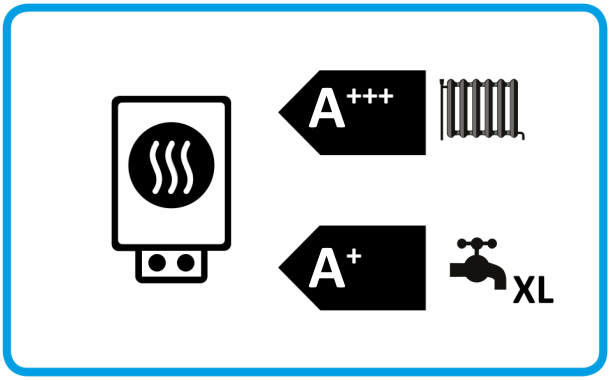
		TTC 12.1 comfort
		191089
Manufacturer		tecalor
Load profile		XL
Space heating energy efficiency class under average climate conditions, medium-temperature applications		A+++
Energy efficiency class, space heating under average climate conditions, low-temperature applications		A+++
Energy efficiency class, DHW heating under average climate conditions		A+
Rated heating output under average climate conditions for medium-temperature applications (P rated)	kW	10
Rated heating output under average climate conditions for low-temperature applications (P rated)	kW	11
Annual energy consumption under average climate conditions for medium-temperature applications (QHE)	kWh/a	5046
Annual energy consumption under average climate conditions for low-temperature applications (QHE)	kWh/a	4337
Annual power consumption under average climate conditions (AEC)	kWh	1326,000
Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (ɳs)	%	160
Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (ɳs)	%	208
Energy efficiency, DHW heating (ɳwh), under average climate conditions	%	123
Sound power level, indoor	dB(A)	40
Rated heating output under colder climate conditions for medium-temperature applications (P rated)	kW	10
Rated heating output under colder climate conditions for low-temperature applications (P rated)	kW	11
Rated heating output under warmer climate conditions for medium-temperature applications (P rated)	kW	10
Rated heating output under warmer climate conditions for low-temperature applications (P rated)	kW	11
Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)	kWh/a	5896
Annual energy consumption under colder climate conditions for low-temperature applications (QHE)	kWh/a	5007
Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)	kWh/a	3269
Annual energy consumption under warmer climate conditions for low-temperature applications (QHE)	kWh/a	2811
Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (ɳs)	%	163
Seasonal space heating energy efficiency under colder climate conditions for low-temperature applications (ɳs)	%	215
Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (ɳs)	%	159
Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (ɳs)	%	208
Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (ɳs)	%	208
Sound power level, outdoor	dB(A)	0

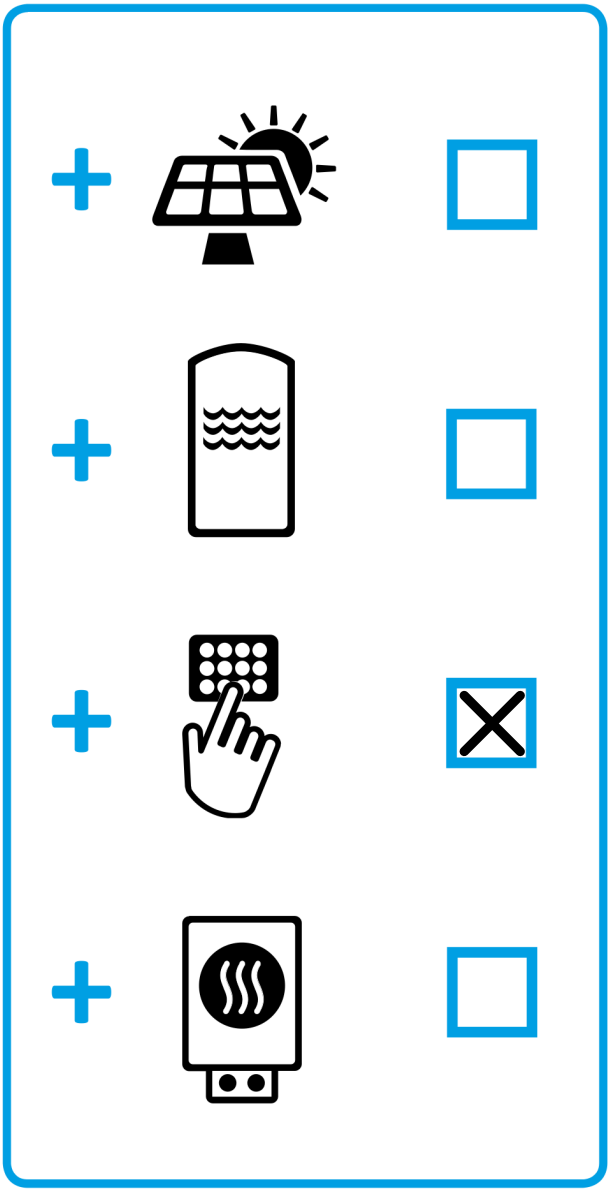
ENERG Y IJA IE IA

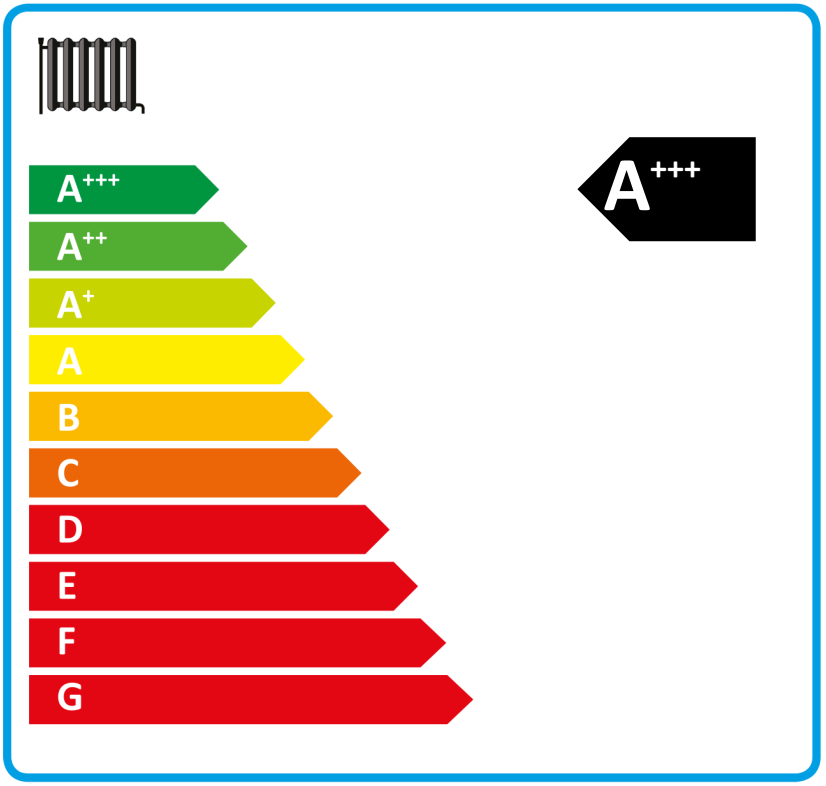
енергия · ενεργεια

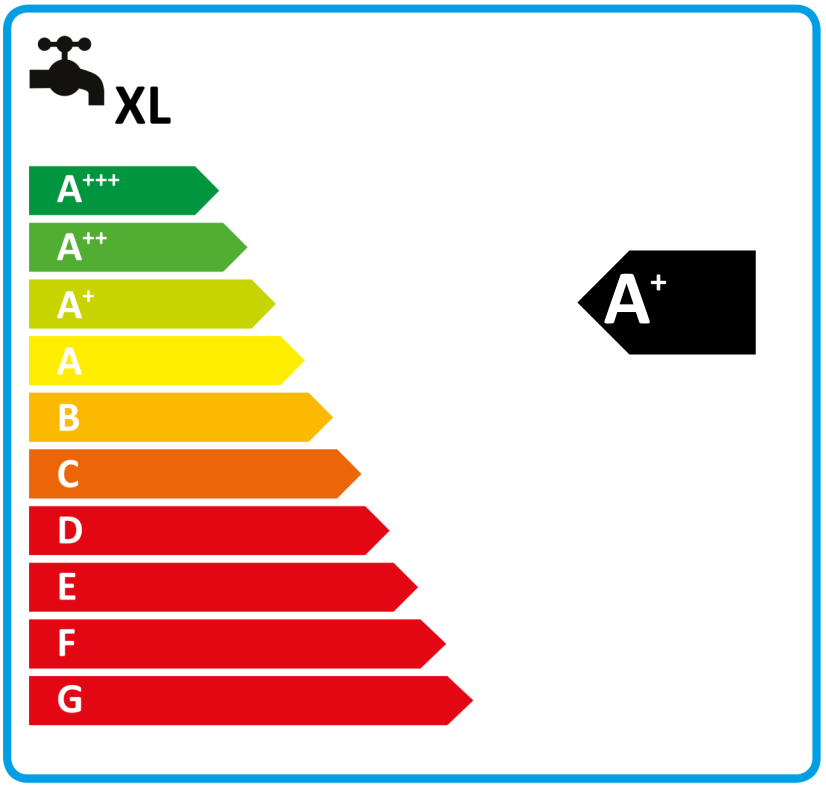
tecalor

TTC 12.1 comfort









2015

811/2013

Product datasheet: Combination heater to Regulation (EU) No 811/2013 (S.I. 2019 No. 539 / Programme 2)

		TTC 12.1 comfort
		191089
Manufacturer		tecalor
Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (Ƞs)	%	160
Temperature control class		II
Contribution of temperature control to space heating energy efficiency	%	2
Space heating energy efficiency class under average climate conditions, medium-temperature applications		A+++
Space heating energy efficiency class of package under average climate conditions		A+++
Energy efficiency class, DHW heating under average climate conditions		A+
Load profile		XL

Product datasheet: Combination heater to Regulation (EU) No 811/2013 (S.I. 2019 No. 539 / Programme 2)

		TTC 12.1 comfort
		191089
Manufacturer		tecalor
Heat source		Sole
Low temperature heat pump		-
With auxiliary heater		x
Combination heater with heat pump		-
Rated heating output under colder climate conditions for medium-temperature applications (P rated)	kW	10
Rated heating output under average climate conditions for medium-temperature applications (P rated)	kW	10
Rated heating output under warmer climate conditions for medium-temperature applications (P rated)	kW	10
Tj = -7 °C heating output, partial load range under colder climate conditions (Pdh)	kW	6,2
Tj = -7 °C heating output, partial load range under average climate conditions (Pdh)	kW	9,0
Tj = 2 °C heating output, partial load range under colder climate conditions (Pdh)	kW	3,8
Tj = 2 °C heating output, partial load range under average climate conditions (Pdh)	kW	5,5
Tj = 2 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	10,2
Tj = 7 °C heating output, partial load range under colder climate conditions (Pdh)	kW	2,7
Tj = 7 °C heating output, partial load range under average climate conditions (Pdh)	kW	3,5
Tj = 7 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	6,6
Tj = 12 °C heating output, partial load range under colder climate conditions (Pdh)	kW	2,7
Tj = 12 °C heating output, partial load range under average climate conditions (Pdh)	kW	2,7
Tj = 12 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	2,9
Tj = operating temperature limit under colder climate conditions (Pdh)	kW	10,2
Tj = operating temperature limit under average climate conditions (Pdh)	kW	10,2
Tj = operating temperature limit under warmer climate conditions (Pdh)	kW	10,2
Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (ηs)	%	163
Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (ηs)	%	160
Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (ηs)	%	159
Tj = -7 °C COP, partial load range under colder climate conditions (COPd)		4,00
Tj = -7 °C COP, partial load range under average climate conditions (COPd)		3,36
Tj = 2 °C COP, partial load range under colder climate conditions (COPd)		4,70
Tj = 2 °C COP, partial load range under average climate conditions (COPd)		4,30
Tj = 2 °C COP, partial load range under warmer climate conditions (COPd)		2,93
Tj = 7 °C COP, partial load range under colder climate conditions (COPd)		4,85
Tj = 7 °C COP, partial load range under average climate conditions (COPd)		4,71
Tj = 7 °C COP, partial load range under warmer climate conditions (COPd)		3,82
Tj = 12 °C COP, partial load range under colder climate conditions (COPd)		4,86
Tj = 12 °C COP, partial load range under average climate conditions (COPd)		4,77
Tj = 12 °C COP, partial load range under warmer climate conditions (COPd)		4,99
Tj = operating temperature limit under colder climate conditions (COPd)		2,93
Tj = operating temperature limit under average climate conditions (COPd)		2,93
Tj = operating temperature limit under warmer climate conditions (COPd)		2,93
Power consumption, off-mode (Poff)	W	17
Power consumption, standby state (PSB)	W	17
Type of energy supply, auxiliary heater		elektrisch
Sound power level, outdoor	dB(A)	0
Sound power level, indoor	dB(A)	40
Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)	kWh/a	5896
Annual energy consumption under average climate conditions for medium-temperature applications (QHE)	kWh/a	5046
Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)	kWh/a	3269
Flow rate on heat source side	m^3/h	2
Load profile		XL
Daily power consumption under average climate conditions (QELEC)	kWh	6,224
Annual power consumption under average climate conditions (AEC)	kWh	1326,000
Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (ηs)	%	208

Energy efficiency, DHW heating (Ηwh), under average climate conditions	%	123