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Y IJA IE IA

tecalor

TTC 13 cool

XL

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

A++

A+
A
B
C
D
E
F

A

50dB

15 kW
12 kW
12 kW

2019

811/2013

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

		TTC 13 cool
		190354
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	12
Rated heating output under average climate conditions for low-temperature applications (P rated)	kW	13
Annual energy consumption under average climate conditions for medium-temperature applications (QHE)	kWh/a	6603
Annual energy consumption under average climate conditions for low-temperature applications (QHE)	kWh/a	5186
Annual power consumption under average climate conditions (AEC)	kWh/a	1540
Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (ɳs)	%	142
Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (ɳs)	%	203
Energy efficiency, DHW heating (ɳwh), under average climate conditions	%	113
Sound power level, indoor	dB(A)	50
Rated heating output under colder climate conditions for medium-temperature applications (P rated)	kW	15
Rated heating output under colder climate conditions for low-temperature applications (P rated)	kW	16
Rated heating output under warmer climate conditions for medium-temperature applications (P rated)	kW	12
Rated heating output under warmer climate conditions for low-temperature applications (P rated)	kW	13
Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)	kWh/a	9647
Annual energy consumption under colder climate conditions for low-temperature applications (QHE)	kWh/a	7507
Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)	kWh/a	4287
Annual energy consumption under warmer climate conditions for low-temperature applications (QHE)	kWh/a	3361
Annual power consumption under colder climate conditions (AEC)	kWh/a	1540
Annual power consumption under warmer climate conditions (AEC)	kWh/a	1540
Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (ɳs)	%	147
Seasonal space heating energy efficiency under colder climate conditions for low-temperature applications (ɳs)	%	208
Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (ɳs)	%	141
Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (ɳs)	%	202

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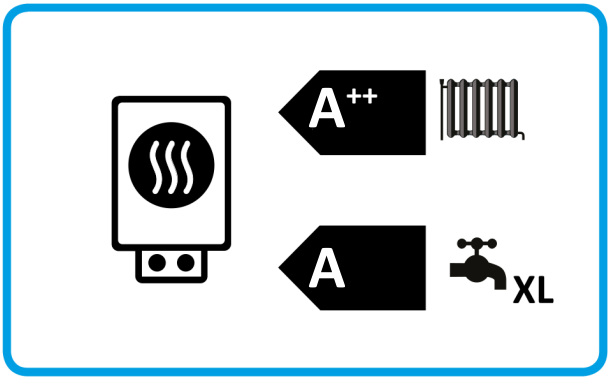

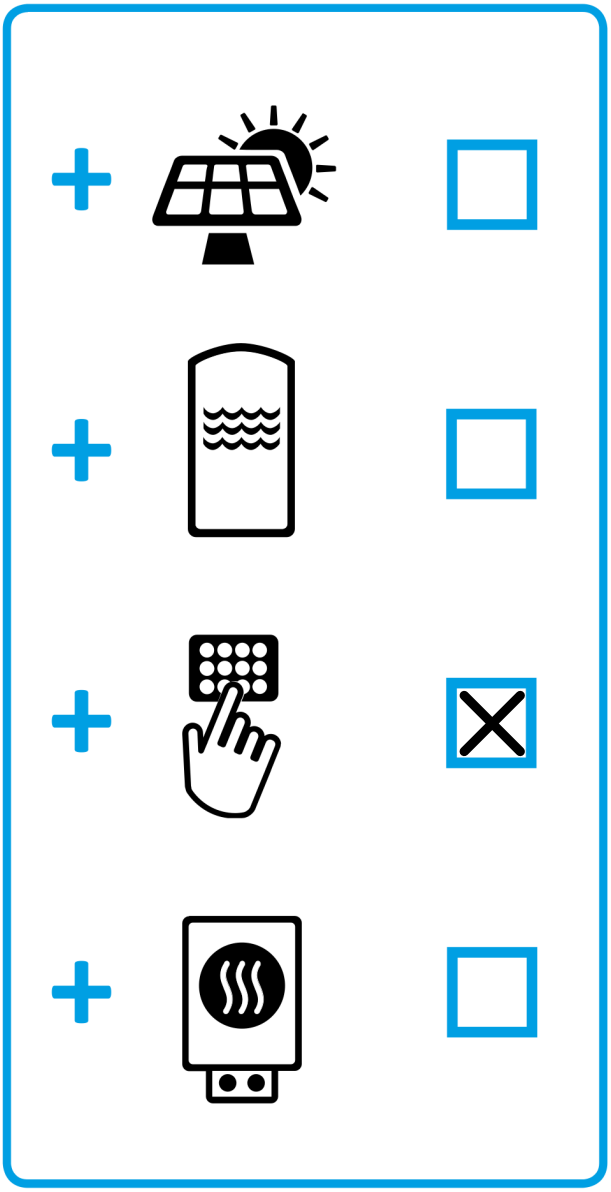

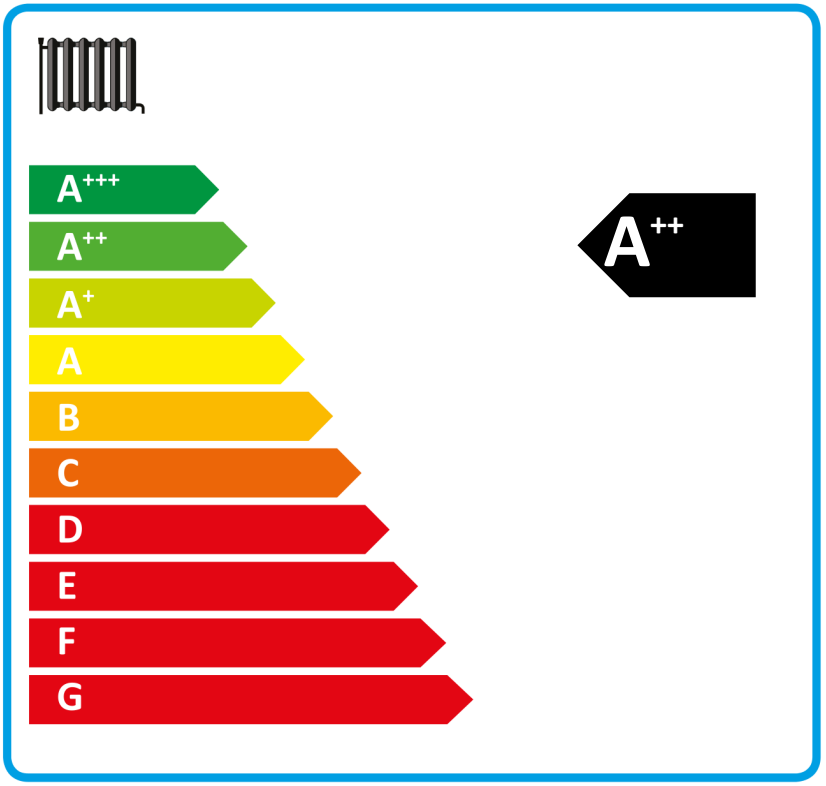

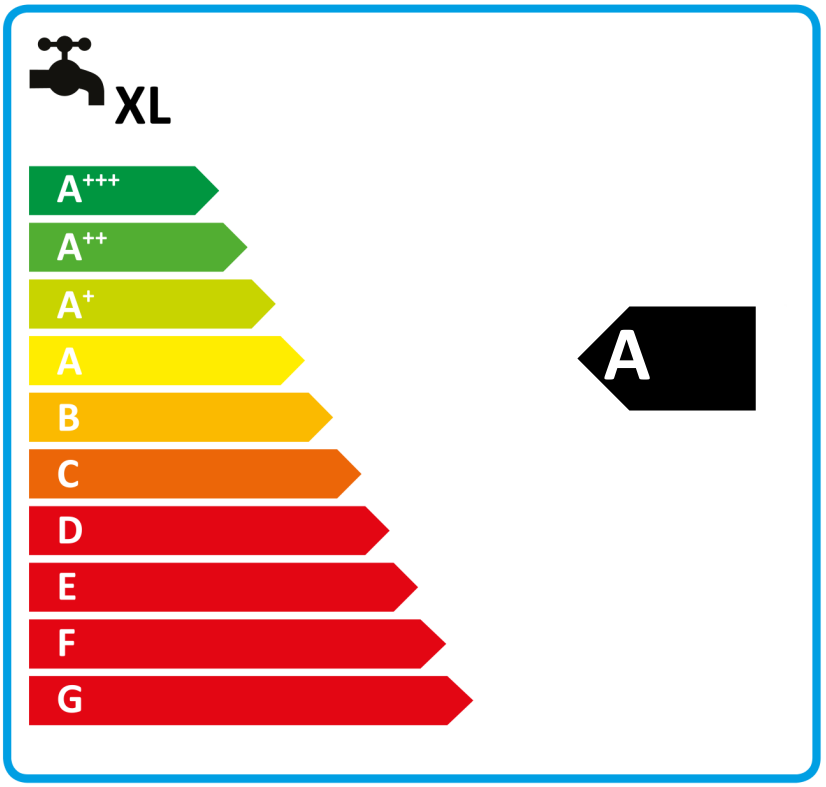

2015

811/2013

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

		TTC 13 cool
		190354
Manufacturer		tecalor
Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (Ƞs)	%	142
Temperature control class		VII
Contribution of temperature control to space heating energy efficiency	%	4
Space heating energy efficiency of package under average climate conditions	%	146
Space heating energy efficiency of package under colder climate conditions	%	151
Space heating energy efficiency of package under warmer climate conditions	%	145
Value of differential between space heating energy efficiency under average climate conditions and that under colder climate conditions	%	5
Value of differential between space heating energy efficiency under warmer climate conditions and that under average climate conditions	%	1
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 13 cool
		190354
Manufacturer		tecalor
Heat source		Sole
With auxiliary heater		x
Combination heater with heat pump		x
Rated heating output under colder climate conditions for medium-temperature applications (P rated)	kW	15
Rated heating output under average climate conditions for medium-temperature applications (P rated)	kW	12
Rated heating output under warmer climate conditions for medium-temperature applications (P rated)	kW	12
Tj = -7 °C heating output, partial load range under colder climate conditions (Pdh)	kW	12,5
Tj = -7 °C heating output, partial load range under average climate conditions (Pdh)	kW	12,1
Tj = 2 °C heating output, partial load range under colder climate conditions (Pdh)	kW	12,8
Tj = 2 °C heating output, partial load range under average climate conditions (Pdh)	kW	12,5
Tj = 2 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	12,0
Tj = 7 °C heating output, partial load range under colder climate conditions (Pdh)	kW	13,0
Tj = 7 °C heating output, partial load range under average climate conditions (Pdh)	kW	12,8
Tj = 7 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	12,4
Tj = 12 °C heating output, partial load range under colder climate conditions (Pdh)	kW	13,2
Tj = 12 °C heating output, partial load range under average climate conditions (Pdh)	kW	13,1
Tj = 12 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	12,9
Tj = dual mode temperature under colder climate conditions (Pdh)	kW	12,4
Tj = dual mode temperature under average climate conditions (Pdh)	kW	12,0
Tj = dual mode temperature under warmer climate conditions (Pdh)	kW	12,0
Tj = operating temperature limit under colder climate conditions (Pdh)	kW	12,0
Tj = operating temperature limit under average climate conditions (Pdh)	kW	12,0
Tj = operating temperature limit under warmer climate conditions (Pdh)	kW	12,0
Dual mode temperature under colder climate conditions (Tbiv)	°C	-15
Dual mode temperature under average climate conditions (Tbiv)	°C	-10
Dual mode temperature under warmer climate conditions (Tbiv)	°C	2
Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (ηs)	%	147
Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (ηs)	%	142
Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (ηs)	%	141
Tj = -7 °C COP, partial load range under colder climate conditions (COPd)		3,68
Tj = -7 °C COP, partial load range under average climate conditions (COPd)		3,18
Tj = 2 °C COP, partial load range under colder climate conditions (COPd)		4,08
Tj = 2 °C COP, partial load range under average climate conditions (COPd)		3,69
Tj = 2 °C COP, partial load range under warmer climate conditions (COPd)		3,05
Tj = 7 °C COP, partial load range under colder climate conditions (COPd)		4,44
Tj = 7 °C COP, partial load range under average climate conditions (COPd)		4,08
Tj = 7 °C COP, partial load range under warmer climate conditions (COPd)		3,45
Tj = 12 °C COP, partial load range under colder climate conditions (COPd)		4,75
Tj = 12 °C COP, partial load range under average climate conditions (COPd)		454,00
Tj = 12 °C COP, partial load range under warmer climate conditions (COPd)		4,23
Tj = dual mode temperature under colder climate conditions (COPd)		3,46
Tj = dual mode temperature under average climate conditions (COPd)		3,05
Tj = dual mode temperature under warmer climate conditions (COPd)		3,05
Tj = operating temperature limit under colder climate conditions (COPd)		3,05
Tj = operating temperature limit under average climate conditions (COPd)		3,05
Tj = operating temperature limit under warmer climate conditions (COPd)		3,05
Operating temperature limit of heating water under average climate conditions (WTOL)	°C	65
Power consumption, off-mode (Poff)	W	0
Power consumption, thermostat off-mode (PTO)	W	84
Power consumption, standby state (PSB)	W	9
Power consumption, operating state, with crankcase heating (PCK)	W	0
Rated heating output of auxiliary heater under average climate conditions (PSUP)	kW	0,0
Type of energy supply, auxiliary heater		elektrisch
Output control		fest

Sound power level, indoor	dB(A)	50
Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)	kWh/a	9647
Annual energy consumption under average climate conditions for medium-temperature applications (QHE)	kWh/a	6603
Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)	kWh/a	4287
Flow rate on heat source side	m^3/h	322
Load profile		XL
Daily power consumption under colder climate conditions (QELEC)	kWh	7,070
Daily power consumption under average climate conditions (QELEC)	kWh	7,070
Daily power consumption under warmer climate conditions (QELEC)	kWh	7,070
Annual power consumption under colder climate conditions (AEC)	kWh/a	1540
Annual power consumption under average climate conditions (AEC)	kWh/a	1540
Annual power consumption under warmer climate conditions (AEC)	kWh/a	1540
Energy efficiency, DHW heating (Ƞwh), under average climate conditions	%	113