ENERG Y IJA
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tecalor

TTC 10 cool

XL

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

A++

A+
A
B
C
D
E
F

A

49dB

12 kW
9 kW
9 kW

2019

811/2013

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

		TTC 10 cool
		190353
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	9
Rated heating output under average climate conditions for low-temperature applications (P rated)	kW	10
Annual energy consumption under average climate conditions for medium-temperature applications (QHE)	kWh/a	5176
Annual energy consumption under average climate conditions for low-temperature applications (QHE)	kWh/a	3799
Annual power consumption under average climate conditions (AEC)	kWh/a	1529
Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (ɳs)	%	137
Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (ɳs)	%	216
Energy efficiency, DHW heating (ɳwh), under average climate conditions	%	110
Sound power level, indoor	dB(A)	49
Rated heating output under colder climate conditions for medium-temperature applications (P rated)	kW	12
Rated heating output under colder climate conditions for low-temperature applications (P rated)	kW	13
Rated heating output under warmer climate conditions for medium-temperature applications (P rated)	kW	9
Rated heating output under warmer climate conditions for low-temperature applications (P rated)	kW	10
Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)	kWh/a	7549
Annual energy consumption under colder climate conditions for low-temperature applications (QHE)	kWh/a	5457
Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)	kWh/a	3367
Annual energy consumption under warmer climate conditions for low-temperature applications (QHE)	kWh/a	2466
Annual power consumption under colder climate conditions (AEC)	kWh/a	1529
Annual power consumption under warmer climate conditions (AEC)	kWh/a	1529
Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (ɳs)	%	144
Seasonal space heating energy efficiency under colder climate conditions for low-temperature applications (ɳs)	%	224
Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (ɳs)	%	136
Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (ɳs)	%	215

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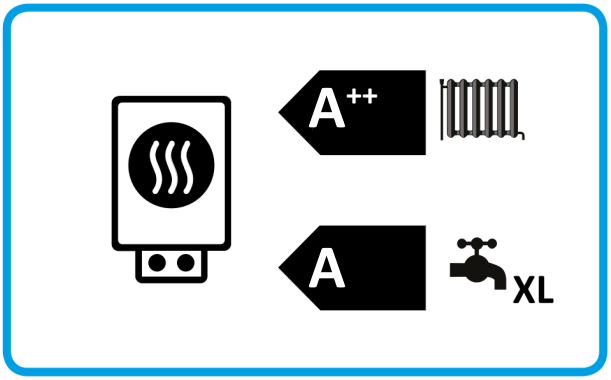

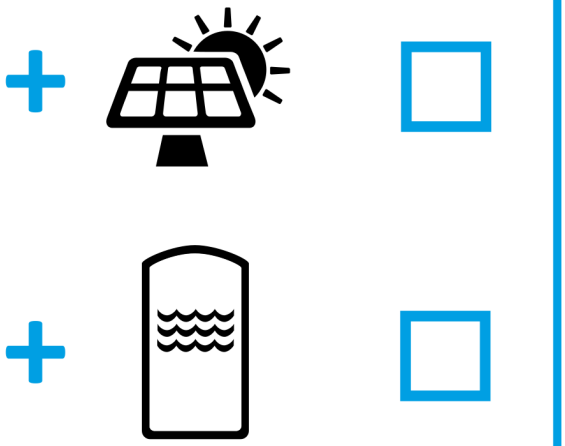

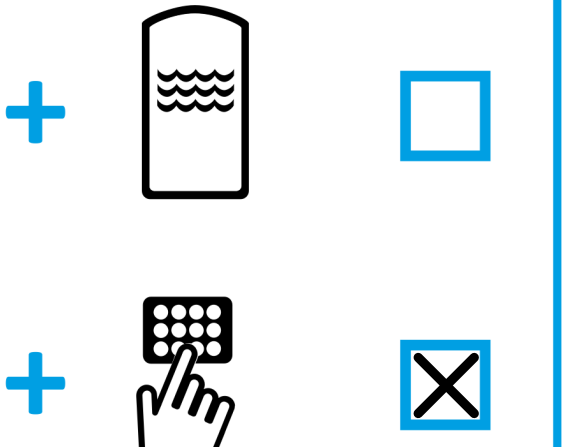

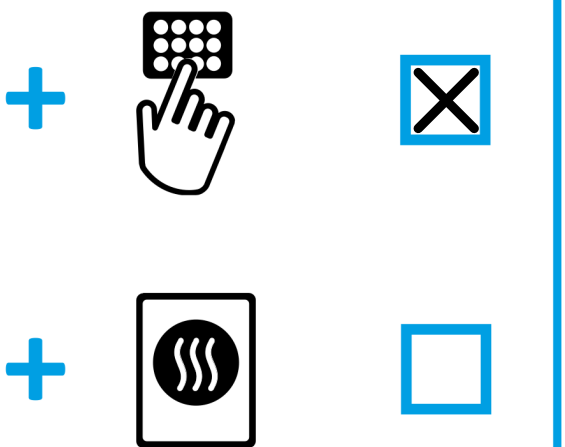

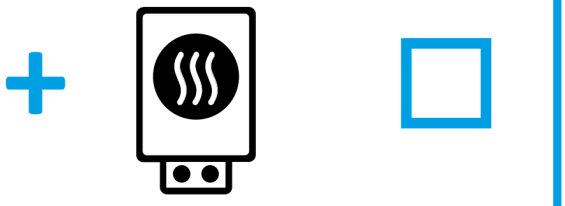

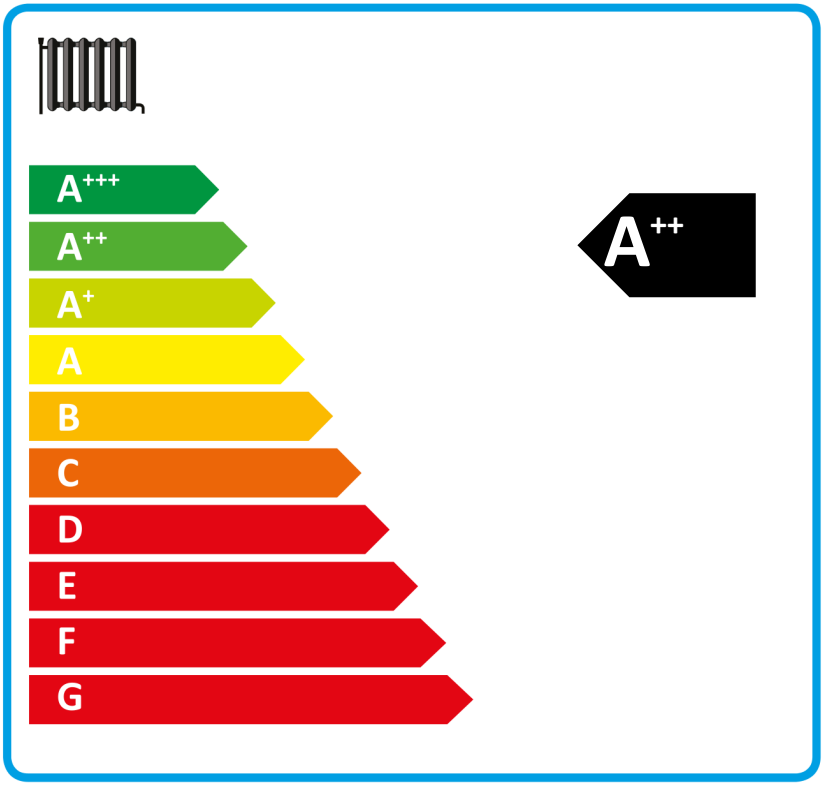

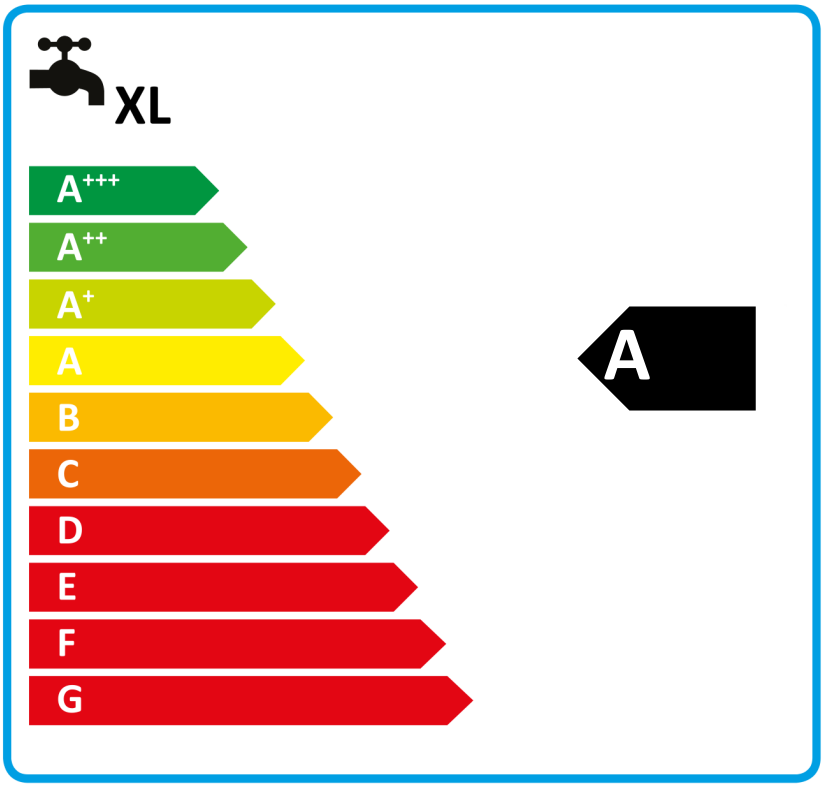

2015

811/2013

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

		TTC 10 cool
		190353
Manufacturer		tecalor
Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (Ƞs)	%	137
Temperature control class		VII
Contribution of temperature control to space heating energy efficiency	%	4
Space heating energy efficiency of package under average climate conditions	%	141
Space heating energy efficiency of package under colder climate conditions	%	148
Space heating energy efficiency of package under warmer climate conditions	%	140
Value of differential between space heating energy efficiency under average climate conditions and that under colder climate conditions	%	7
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 10 cool
		190353
Manufacturer		tecalor
With auxiliary heater		x
Combination heater with heat pump		x
Rated heating output under colder climate conditions for medium-temperature applications (P rated)	kW	12
Rated heating output under average climate conditions for medium-temperature applications (P rated)	kW	9
Rated heating output under warmer climate conditions for medium-temperature applications (P rated)	kW	9
Tj = -7 °C heating output, partial load range under colder climate conditions (Pdh)	kW	9,6
Tj = -7 °C heating output, partial load range under average climate conditions (Pdh)	kW	9,2
Tj = 2 °C heating output, partial load range under colder climate conditions (Pdh)	kW	9,9
Tj = 2 °C heating output, partial load range under average climate conditions (Pdh)	kW	9,6
Tj = 2 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	9,1
Tj = 7 °C heating output, partial load range under colder climate conditions (Pdh)	kW	10,1
Tj = 7 °C heating output, partial load range under average climate conditions (Pdh)	kW	9,9
Tj = 7 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	9,5
Tj = 12 °C heating output, partial load range under colder climate conditions (Pdh)	kW	10,3
Tj = 12 °C heating output, partial load range under average climate conditions (Pdh)	kW	10,1
Tj = 12 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	10,0
Tj = dual mode temperature under colder climate conditions (Pdh)	kW	9,5
Tj = dual mode temperature under average climate conditions (Pdh)	kW	9,1
Tj = dual mode temperature under warmer climate conditions (Pdh)	kW	9,1
Tj = operating temperature limit under colder climate conditions (Pdh)	kW	9,1
Tj = operating temperature limit under average climate conditions (Pdh)	kW	9,1
Tj = operating temperature limit under warmer climate conditions (Pdh)	kW	9,1
For air source heat pumps: Tj = -15 °C (if TOL< -20 °C) (Pdh)	kW	9,1
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)	%	144
Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (ηs)	%	137
Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (ηs)	%	136
Tj = -7 °C COP, partial load range under colder climate conditions (COPd)		3,55
Tj = -7 °C COP, partial load range under average climate conditions (COPd)		2,97
Tj = 2 °C COP, partial load range under colder climate conditions (COPd)		4,03
Tj = 2 °C COP, partial load range under average climate conditions (COPd)		3,56
Tj = 2 °C COP, partial load range under warmer climate conditions (COPd)		2,83
Tj = 7 °C COP, partial load range under colder climate conditions (COPd)		4,48
Tj = 7 °C COP, partial load range under average climate conditions (COPd)		4,03
Tj = 7 °C COP, partial load range under warmer climate conditions (COPd)		3,28
Tj = 12 °C COP, partial load range under colder climate conditions (COPd)		4,87
Tj = 12 °C COP, partial load range under average climate conditions (COPd)		46,00
Tj = 12 °C COP, partial load range under warmer climate conditions (COPd)		4,21
Tj = dual mode temperature under colder climate conditions (COPd)		3,30
Tj = dual mode temperature under average climate conditions (COPd)		2,83
Tj = dual mode temperature under warmer climate conditions (COPd)		2,83
Tj = operating temperature limit under colder climate conditions (COPd)		2,83
Tj = operating temperature limit under average climate conditions (COPd)		2,83
Tj = operating temperature limit under warmer climate conditions (COPd)		2,83
For air source heat pumps: Tj = -15 °C (if TOL< -20 °C) (COPd)		2,83
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)	49
Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)	kWh/a	7549
Annual energy consumption under average climate conditions for medium-temperature applications (QHE)	kWh/a	5176
Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)	kWh/a	3367
Flow rate on heat source side	m^3/h	261
Load profile		XL
Daily power consumption under colder climate conditions (QELEC)	kWh	7,010
Daily power consumption under average climate conditions (QELEC)	kWh	7,010
Daily power consumption under warmer climate conditions (QELEC)	kWh	7,010
Annual power consumption under colder climate conditions (AEC)	kWh/a	1529
Annual power consumption under average climate conditions (AEC)	kWh/a	1529
Annual power consumption under warmer climate conditions (AEC)	kWh/a	1529
Energy efficiency, DHW heating (Ƞwh), under average climate conditions	%	110