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tecalor

TTC 10.5

XL

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

A++

A+
A
B
C
D
E
F

A

42dB

0dB

11 kW
12 kW
11 kW

2019

811/2013

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

		TTC 10.5
		190930
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	11
Annual energy consumption under average climate conditions for medium-temperature applications (QHE)	kWh/a	6357
Annual energy consumption under average climate conditions for low-temperature applications (QHE)	kWh/a	4327
Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (ɳs)	%	145
Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (ɳs)	%	147
Energy efficiency, DHW heating (ɳwh), under average climate conditions	%	104
Sound power level, indoor	dB(A)	42
Option for operation only at off-peak times		-
Rated heating output under colder climate conditions for medium-temperature applications (P rated)	kW	11
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	11
Rated heating output under warmer climate conditions for low-temperature applications (P rated)	kW	12
Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)	kWh/a	7085
Annual energy consumption under colder climate conditions for low-temperature applications (QHE)	kWh/a	5400
Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)	kWh/a	3818
Annual energy consumption under warmer climate conditions for low-temperature applications (QHE)	kWh/a	3009
Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (ɳs)	%	150
Seasonal space heating energy efficiency under colder climate conditions for low-temperature applications (ɳs)	%	151
Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (ɳs)	%	147
Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (ɳs)	%	148
Sound power level, outdoor	dB(A)	0

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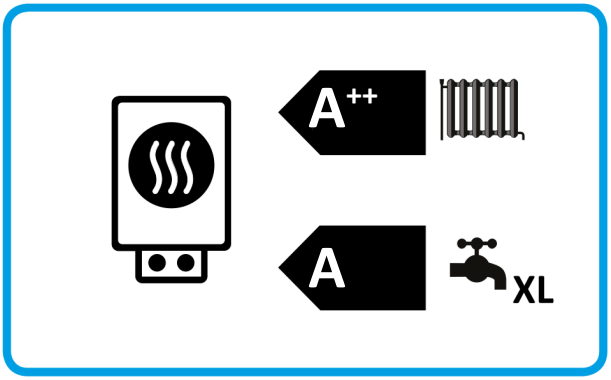

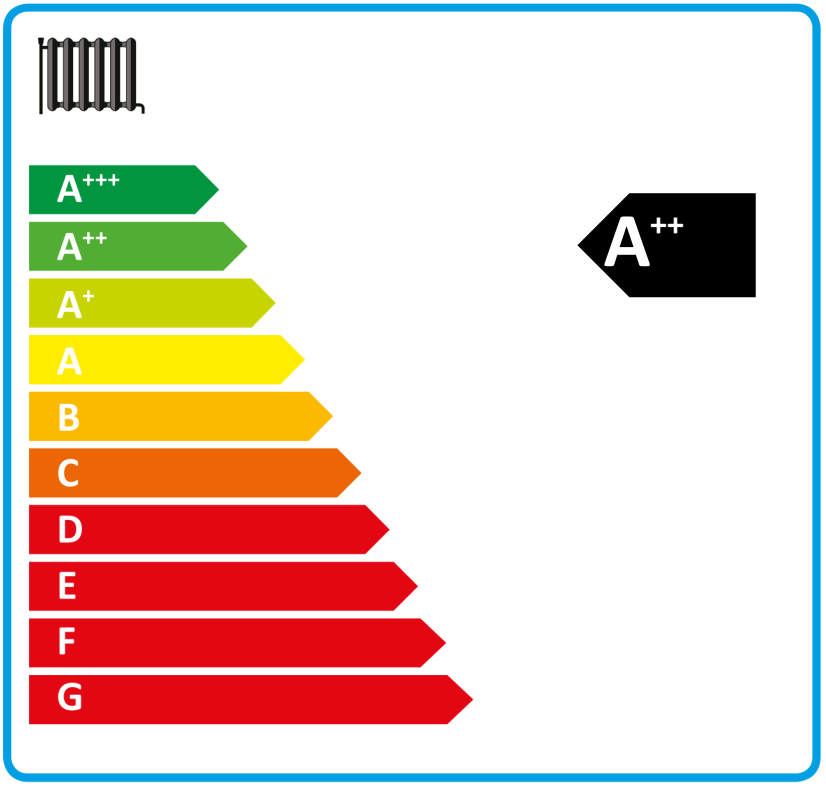

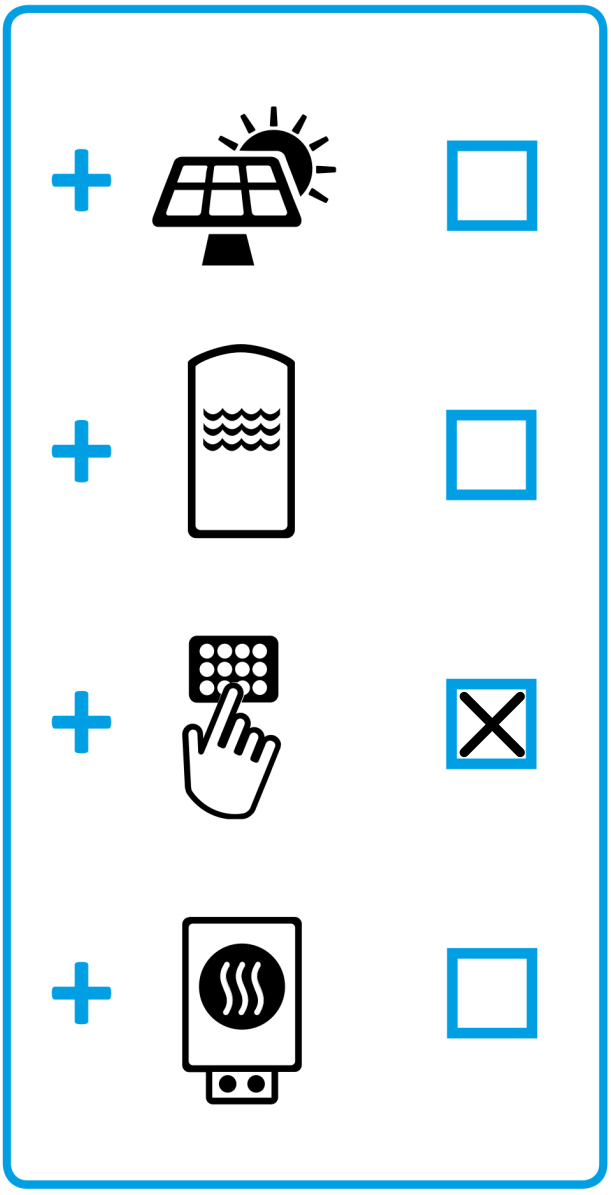

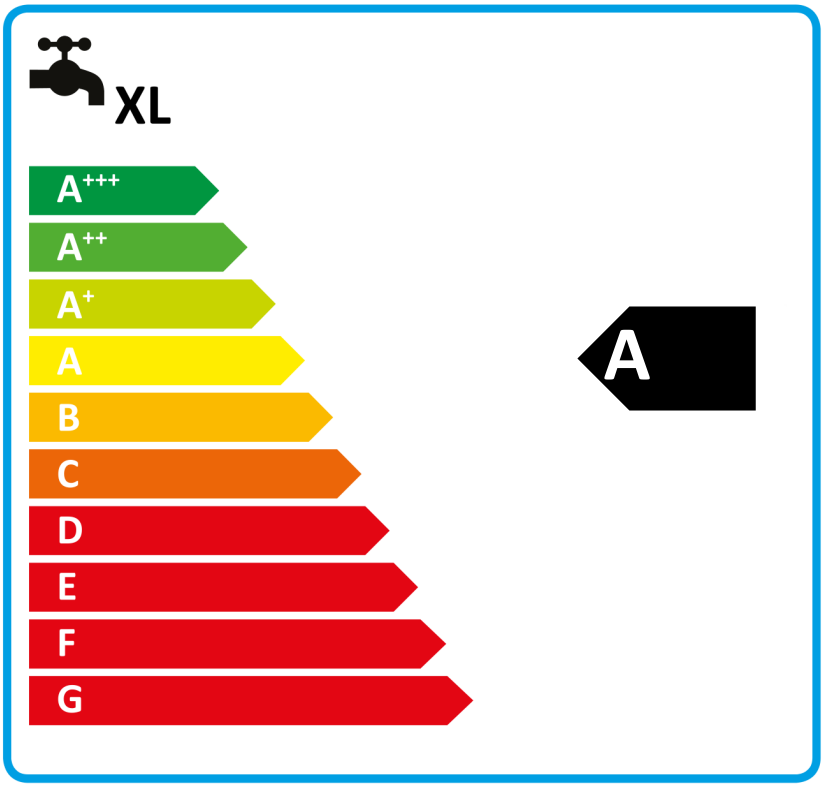

2015

811/2013

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

		TTC 10.5
		190930
Manufacturer		tecalor
Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (Ƞs)	%	145
Temperature control class		III
Contribution of temperature control to space heating energy efficiency	%	2
Space heating energy efficiency of package under average climate conditions	%	147
Space heating energy efficiency of package under colder climate conditions	%	151
Space heating energy efficiency of package under warmer climate conditions	%	148
Value of differential between space heating energy efficiency under average climate conditions and that under colder climate conditions	%	4
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 10.5
		190930
Manufacturer		tecalor
Heat source		Sole
Low temperature heat pump		-
With auxiliary heater		x
Combination heater with heat pump		x
Rated heating output under colder climate conditions for medium-temperature applications (P rated)	kW	11
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	11
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	9,4
Tj = 2 °C heating output, partial load range under colder climate conditions (Pdh)	kW	9,7
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	9,2
Tj = 7 °C heating output, partial load range under colder climate conditions (Pdh)	kW	9,8
Tj = 7 °C heating output, partial load range under average climate conditions (Pdh)	kW	9,8
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	9,9
Tj = 12 °C heating output, partial load range under average climate conditions (Pdh)	kW	9,9
Tj = 12 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	9,8
Tj = dual mode temperature under colder climate conditions (Pdh)	kW	9,5
Tj = dual mode temperature under average climate conditions (Pdh)	kW	9,5
Tj = dual mode temperature under warmer climate conditions (Pdh)	kW	9,4
Tj = operating temperature limit under colder climate conditions (Pdh)	kW	9,2
Tj = operating temperature limit under average climate conditions (Pdh)	kW	9,2
Tj = operating temperature limit under warmer climate conditions (Pdh)	kW	9,2
Dual mode temperature under colder climate conditions (Tbiv)	°C	-16
Dual mode temperature under average climate conditions (Tbiv)	°C	-5
Dual mode temperature under warmer climate conditions (Tbiv)	°C	4
Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (ηs)	%	150
Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (ηs)	%	145
Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (ηs)	%	147
Tj = -7 °C COP, partial load range under colder climate conditions (COPd)		3,72
Tj = -7 °C COP, partial load range under average climate conditions (COPd)		3,26
Tj = 2 °C COP, partial load range under colder climate conditions (COPd)		4,15
Tj = 2 °C COP, partial load range under average climate conditions (COPd)		3,86
Tj = 2 °C COP, partial load range under warmer climate conditions (COPd)		3,02
Tj = 7 °C COP, partial load range under colder climate conditions (COPd)		4,54
Tj = 7 °C COP, partial load range under average climate conditions (COPd)		4,24
Tj = 7 °C COP, partial load range under warmer climate conditions (COPd)		3,57
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)		4,69
Tj = 12 °C COP, partial load range under warmer climate conditions (COPd)		4,37
Tj = dual mode temperature under colder climate conditions (COPd)		3,44
Tj = dual mode temperature under average climate conditions (COPd)		3,44
Tj = dual mode temperature under warmer climate conditions (COPd)		3,51
Tj = operating temperature limit under colder climate conditions (COPd)		3,02
Tj = operating temperature limit under average climate conditions (COPd)		3,02
Tj = operating temperature limit under warmer climate conditions (COPd)		3,02
Operating temperature limit under colder climate conditions (TOL)	°C	-22
Operating temperature limit under average climate conditions (TOL)	°C	-10
Operating temperature limit under warmer climate conditions (TOL)	°C	2
Operating temperature limit of heating water under colder climate conditions (WTOL)	°C	65
Operating temperature limit of heating water under average climate conditions (WTOL)	°C	65
Operating temperature limit of heating water under warmer climate conditions (WTOL)	°C	65
Power consumption, off-mode (Poff)	W	4

Power consumption, thermostat off-mode (PTO)	W	8
Power consumption, standby state (PSB)	W	8
Power consumption, operating state, with crankcase heating (PCK)	W	0
Rated heating output of auxiliary heater under colder climate conditions (PSUP)	kW	2,1
Rated heating output of auxiliary heater under average climate conditions (PSUP)	kW	2,5
Rated heating output of auxiliary heater under warmer climate conditions (PSUP)	kW	1,8
Type of energy supply, auxiliary heater		elektrisch
Sound power level, outdoor	dB(A)	0
Sound power level, indoor	dB(A)	42
Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)	kWh/a	7085
Annual energy consumption under average climate conditions for medium-temperature applications (QHE)	kWh/a	6357
Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)	kWh/a	3818
Flow rate on heat source side	m^3/h	18
Load profile		XL
Daily power consumption under colder climate conditions (QELEC)	kWh	7,525
Daily power consumption under average climate conditions (QELEC)	kWh	7,525
Daily power consumption under warmer climate conditions (QELEC)	kWh	7,525
Energy efficiency, DHW heating (Ηwh), under average climate conditions	%	104