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tecalor

TTL 48.5 AC dB-2

	55 °C	35 °C
A+++		
A++	A++	A++
A+		
A		
B		
C		
D		

63 dB

64 dB

	51	49
	56	**54**
	52	50
	kW	kW

2019

811/2013

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

		TTL 48.5 AC dB-2
		190909
Manufacturer		tecalor
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++
Rated heating output under average climate conditions for medium-temperature applications (P rated)	kW	56
Rated heating output under average climate conditions for low-temperature applications (P rated)	kW	54
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)	%	170
Annual energy consumption under average climate conditions for medium-temperature applications (QHE)	kWh/a	32905
Annual energy consumption under average climate conditions for low-temperature applications (QHE)	kWh/a	25952
Sound power level, indoor	dB(A)	63
Option for operation only at off-peak times		-
Rated heating output under colder climate conditions for medium-temperature applications (P rated)	kW	51
Rated heating output under colder climate conditions for low-temperature applications (P rated)	kW	49
Rated heating output under warmer climate conditions for medium-temperature applications (P rated)	kW	52
Rated heating output under warmer climate conditions for low-temperature applications (P rated)	kW	50
Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (ɳs)	%	133
Seasonal space heating energy efficiency under colder climate conditions for low-temperature applications (ɳs)	%	158
Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (ɳs)	%	165
Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (ɳs)	%	198
Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)	kWh/a	37039
Annual energy consumption under colder climate conditions for low-temperature applications (QHE)	kWh/a	30019
Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)	kWh/a	16507
Annual energy consumption under warmer climate conditions for low-temperature applications (QHE)	kWh/a	13339
Sound power level, outdoor	dB(A)	64

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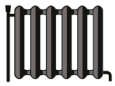

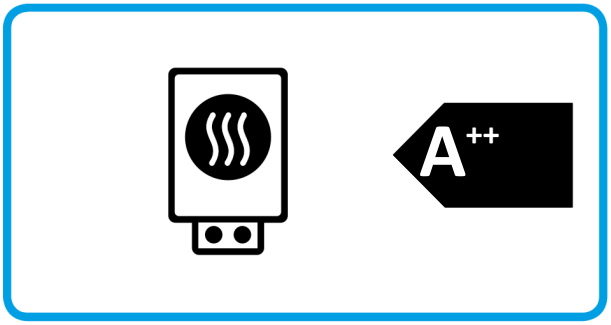

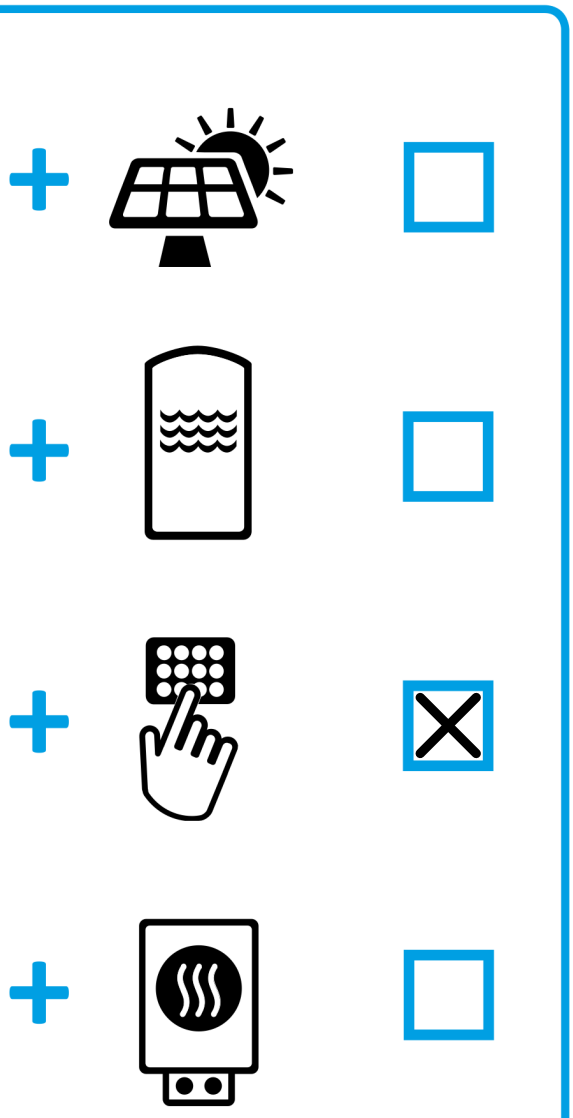

2015

811/2013

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

		TTL 48.5 AC dB-2
		190909
Manufacturer		tecalor
Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (ɳs)	%	170
Temperature control class		VII
Contribution of temperature control to space heating energy efficiency	%	4
Space heating energy efficiency of package under average climate conditions	%	140
Space heating energy efficiency of package under colder climate conditions	%	136
Space heating energy efficiency of package under warmer climate conditions	%	169
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	%	28
Energy efficiency class, space heating under average climate conditions, low-temperature applications		A++
Space heating energy efficiency class of package under average climate conditions		A++

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

		TTL 48.5 AC dB-2
		190909
Manufacturer		tecalor
Heat source		Außenluft
Low temperature heat pump		-
With auxiliary heater		-
Combination heater with heat pump		-
Rated heating output under colder climate conditions for medium-temperature applications (P rated)	kW	51
Rated heating output under average climate conditions for medium-temperature applications (P rated)	kW	56
Rated heating output under warmer climate conditions for medium-temperature applications (P rated)	kW	52
Tj = -7 °C heating output, partial load range under colder climate conditions (Pdh)	kW	49,5
Tj = -7 °C heating output, partial load range under average climate conditions (Pdh)	kW	49,2
Tj = 2 °C heating output, partial load range under colder climate conditions (Pdh)	kW	50,2
Tj = 2 °C heating output, partial load range under average climate conditions (Pdh)	kW	51,3
Tj = 2 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	51,9
Tj = 7 °C heating output, partial load range under colder climate conditions (Pdh)	kW	68,0
Tj = 7 °C heating output, partial load range under average climate conditions (Pdh)	kW	67,2
Tj = 7 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	66,7
Tj = 12 °C heating output, partial load range under colder climate conditions (Pdh)	kW	73,8
Tj = 12 °C heating output, partial load range under average climate conditions (Pdh)	kW	76,5
Tj = 12 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	73,1
Tj = dual mode temperature under colder climate conditions (Pdh)	kW	41,5
Tj = dual mode temperature under average climate conditions (Pdh)	kW	49,2
Tj = dual mode temperature under warmer climate conditions (Pdh)	kW	51,9
Tj = operating temperature limit under colder climate conditions (Pdh)	kW	32,2
Tj = operating temperature limit under average climate conditions (Pdh)	kW	46,8
Tj = operating temperature limit under warmer climate conditions (Pdh)	kW	51,9
Dual mode temperature under colder climate conditions (Tbiv)	°C	-15
Dual mode temperature under average climate conditions (Tbiv)	°C	-7
Dual mode temperature under warmer climate conditions (Tbiv)	°C	2
Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (ɳs)	%	133
Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (ɳs)	%	137
Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (ɳs)	%	165
Tj = -7 °C COP, partial load range under colder climate conditions (COPd)		3,32
Tj = -7 °C COP, partial load range under average climate conditions (COPd)		2,71
Tj = 2 °C COP, partial load range under colder climate conditions (COPd)		3,65
Tj = 2 °C COP, partial load range under average climate conditions (COPd)		3,37
Tj = 2 °C COP, partial load range under warmer climate conditions (COPd)		2,76
Tj = 7 °C COP, partial load range under colder climate conditions (COPd)		4,86
Tj = 7 °C COP, partial load range under average climate conditions (COPd)		4,40
Tj = 7 °C COP, partial load range under warmer climate conditions (COPd)		4,14

Tj = 12 °C COP, partial load range under colder climate conditions (COPd)		5,27
Tj = 12 °C COP, partial load range under average climate conditions (COPd)		530,00
Tj = 12 °C COP, partial load range under warmer climate conditions (COPd)		5,04
Tj = dual mode temperature under colder climate conditions (COPd)		2,48
Tj = dual mode temperature under average climate conditions (COPd)		2,71
Tj = dual mode temperature under warmer climate conditions (COPd)		2,76
Tj = operating temperature limit under colder climate conditions (COPd)		1,80
Tj = operating temperature limit under average climate conditions (COPd)		2,44
Tj = operating temperature limit under warmer climate conditions (COPd)		2,76
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	113
Power consumption, thermostat off-mode (PTO)	W	114
Power consumption, standby state (PSB)	W	113
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, outdoor	dB(A)	64
Sound power level, indoor	dB(A)	63
Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)	kWh/a	37039
Annual energy consumption under average climate conditions for medium-temperature applications (QHE)	kWh/a	32905
Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)	kWh/a	16507
Flow rate on heat source side	m³/h	4