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tecalor

TTL 20 A

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

0 dB

55 dB

55 °C	35 °C
17	15
12	**11**
8	8
kW	kW

2019

811/2013

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

		TTL 20 A
		190529
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	12
Rated heating output under average climate conditions for low-temperature applications (P rated)	kW	11
Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (ɳs)	%	143
Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (ɳs)	%	185
Annual energy consumption under average climate conditions for medium-temperature applications (QHE)	kWh/a	6801
Annual energy consumption under average climate conditions for low-temperature applications (QHE)	kWh/a	4839
Sound power level, indoor	dB(A)	0
Option for operation only at off-peak times		-
Rated heating output under colder climate conditions for medium-temperature applications (P rated)	kW	17
Rated heating output under colder climate conditions for low-temperature applications (P rated)	kW	15
Rated heating output under warmer climate conditions for medium-temperature applications (P rated)	kW	8
Rated heating output under warmer climate conditions for low-temperature applications (P rated)	kW	8
Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (ɳs)	%	126
Seasonal space heating energy efficiency under colder climate conditions for low-temperature applications (ɳs)	%	165
Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (ɳs)	%	163
Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (ɳs)	%	214
Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)	kWh/a	12405
Annual energy consumption under colder climate conditions for low-temperature applications (QHE)	kWh/a	8804
Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)	kWh/a	2581
Annual energy consumption under warmer climate conditions for low-temperature applications (QHE)	kWh/a	1720
Sound power level, outdoor	dB(A)	55

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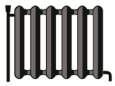
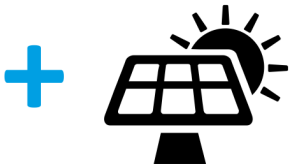
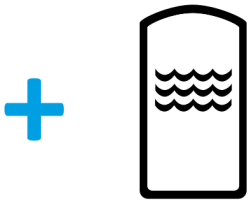
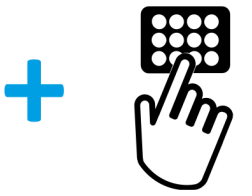
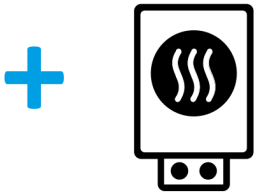


A++









A+++
A++
A+
A
B
C
D
E
F
G

A++

2015

811/2013

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

		TTL 20 A
		190529
Manufacturer		tecalor
Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (ɳs)	%	185
Temperature control class		VI
Contribution of temperature control to space heating energy efficiency	%	4
Space heating energy efficiency of package under average climate conditions	%	147
Space heating energy efficiency of package under colder climate conditions	%	136
Space heating energy efficiency of package under warmer climate conditions	%	167
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	%	6
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 20 A
		190529
Manufacturer		tecalor
Heat source		Außenluft
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	17
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	8
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	10,6
Tj = 2 °C heating output, partial load range under colder climate conditions (Pdh)	kW	7,1
Tj = 2 °C heating output, partial load range under average climate conditions (Pdh)	kW	8,4
Tj = 2 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	8,3
Tj = 7 °C heating output, partial load range under colder climate conditions (Pdh)	kW	6,1
Tj = 7 °C heating output, partial load range under average climate conditions (Pdh)	kW	7,8
Tj = 7 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	6,3
Tj = 12 °C heating output, partial load range under colder climate conditions (Pdh)	kW	5,0
Tj = 12 °C heating output, partial load range under average climate conditions (Pdh)	kW	9,0
Tj = 12 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	4,8
Tj = dual mode temperature under colder climate conditions (Pdh)	kW	10,1
Tj = dual mode temperature under average climate conditions (Pdh)	kW	9,9
Tj = dual mode temperature under warmer climate conditions (Pdh)	kW	8,3
Tj = operating temperature limit under colder climate conditions (Pdh)	kW	14,1
Tj = operating temperature limit under average climate conditions (Pdh)	kW	9,5
Tj = operating temperature limit under warmer climate conditions (Pdh)	kW	8,3
For air source heat pumps: Tj = -15 °C (if TOL< -20 °C) (Pdh)	kW	9,5
Dual mode temperature under colder climate conditions (Tbiv)	°C	-7
Dual mode temperature under average climate conditions (Tbiv)	°C	-5
Dual mode temperature under warmer climate conditions (Tbiv)	°C	2
Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (ηs)	%	126
Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (ηs)	%	143
Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (ηs)	%	163
Tj = -7 °C COP, partial load range under colder climate conditions (COPd)		2,91
Tj = -7 °C COP, partial load range under average climate conditions (COPd)		2,69
Tj = 2 °C COP, partial load range under colder climate conditions (COPd)		3,75
Tj = 2 °C COP, partial load range under average climate conditions (COPd)		3,51
Tj = 2 °C COP, partial load range under warmer climate conditions (COPd)		2,96
Tj = 7 °C COP, partial load range under colder climate conditions (COPd)		4,51
Tj = 7 °C COP, partial load range under average climate conditions (COPd)		4,61

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)		5,38
Tj = 12 °C COP, partial load range under average climate conditions (COPd)		6,66
Tj = 12 °C COP, partial load range under warmer climate conditions (COPd)		4,69
Tj = dual mode temperature under colder climate conditions (COPd)		2,91
Tj = dual mode temperature under average climate conditions (COPd)		2,81
Tj = dual mode temperature under warmer climate conditions (COPd)		2,96
Tj = operating temperature limit under colder climate conditions (COPd)		2,91
Tj = operating temperature limit under average climate conditions (COPd)		2,29
Tj = operating temperature limit under warmer climate conditions (COPd)		2,96
For air source heat pumps: Tj = -15 °C (if TOL< -20 °C) (COPd)		2,29
Operating temperature limit under colder climate conditions (TOL)	°C	-20
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	16
Power consumption, thermostat off-mode (PTO)	W	16
Power consumption, standby state (PSB)	W	16
Power consumption, operating state, with crankcase heating (PCK)	W	38
Rated heating output of auxiliary heater under colder climate conditions (PSUP)	kW	9,2
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	0,0
Type of energy supply, auxiliary heater		elektrisch
Output control		veränderlich
Sound power level, outdoor	dB(A)	55
Sound power level, indoor	dB(A)	0
Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)	kWh/a	12405
Annual energy consumption under average climate conditions for medium-temperature applications (QHE)	kWh/a	6801
Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)	kWh/a	2581
Flow rate on heat source side	m^3/h	4000