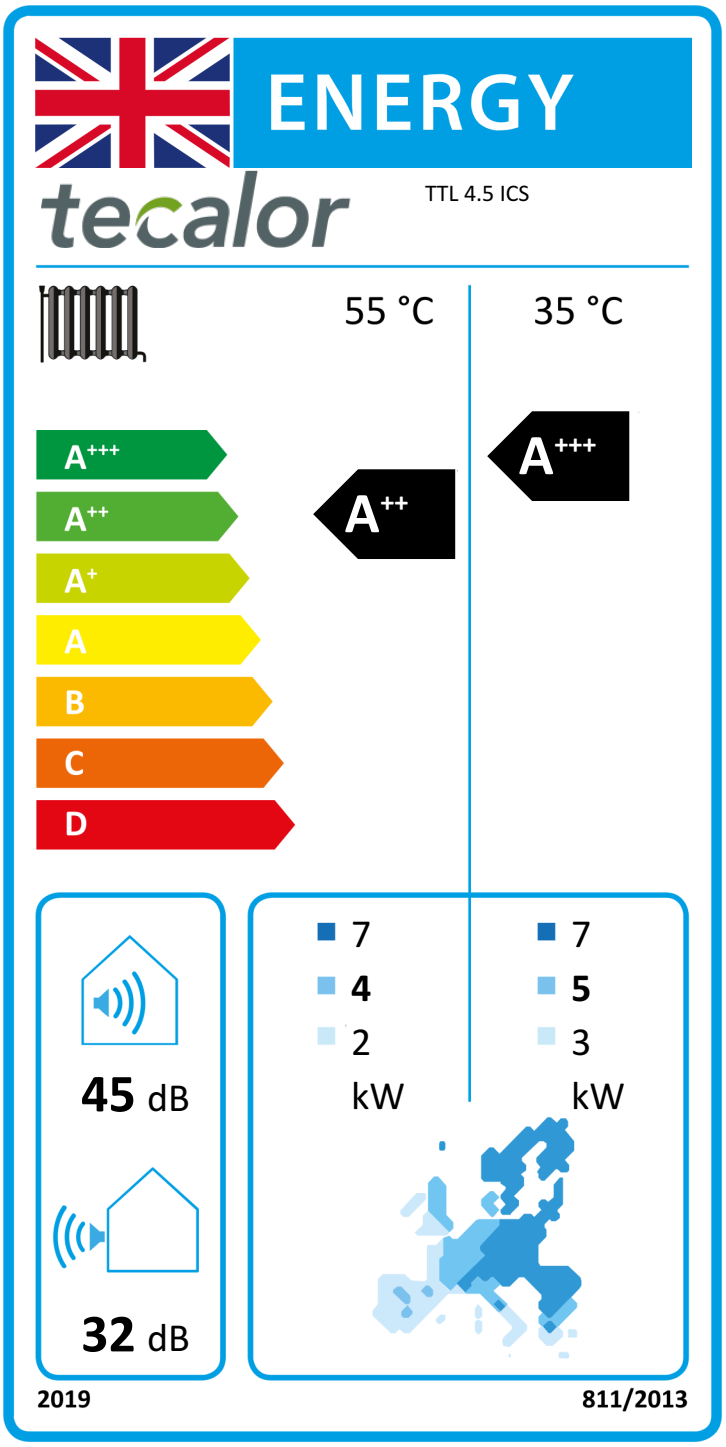

ENERGY
tecalor
TTL 4.5 ICS
55 °C
35 °C
A+++
A++
A+
A
B
C
D
A++
A+++
45 dB
32 dB
7
4
2
kW
7
5
3
kW
2019
811/2013

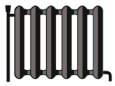
Product datasheet: Space heater to Regulation (EU) No 811/2013 (S.I. 2019 No. 539 / Programme 2)

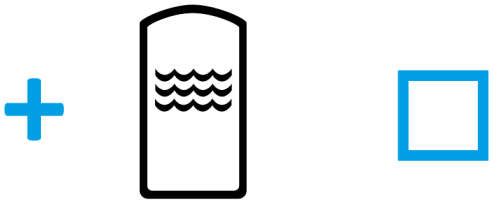
		TTL 4.5 ICS
		190523
Manufacturer		tecalor
Space heating energy efficiency class under average climate conditions, medium-temperature applications		A++
Energy efficiency class, space heating under average climate conditions, low-temperature applications		A+++
Rated heating output under average climate conditions for medium-temperature applications (P rated)	kW	4
Rated heating output under average climate conditions for low-temperature applications (P rated)	kW	5
Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (ɳs)	%	130
Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (ɳs)	%	178
Annual energy consumption under average climate conditions for medium-temperature applications (QHE)	kWh/a	2804
Annual energy consumption under average climate conditions for low-temperature applications (QHE)	kWh/a	2187
Sound power level, indoor	dB(A)	45
Option for operation only at off-peak times		-
Rated heating output under colder climate conditions for medium-temperature applications (P rated)	kW	7
Rated heating output under colder climate conditions for low-temperature applications (P rated)	kW	7
Rated heating output under warmer climate conditions for medium-temperature applications (P rated)	kW	2
Rated heating output under warmer climate conditions for low-temperature applications (P rated)	kW	3
Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (ɳs)	%	119
Seasonal space heating energy efficiency under colder climate conditions for low-temperature applications (ɳs)	%	154
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)	%	198
Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)	kWh/a	5515
Annual energy consumption under colder climate conditions for low-temperature applications (QHE)	kWh/a	4321
Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)	kWh/a	921
Annual energy consumption under warmer climate conditions for low-temperature applications (QHE)	kWh/a	701
Sound power level, outdoor	dB(A)	32

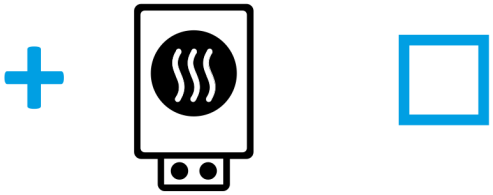
ENERGY

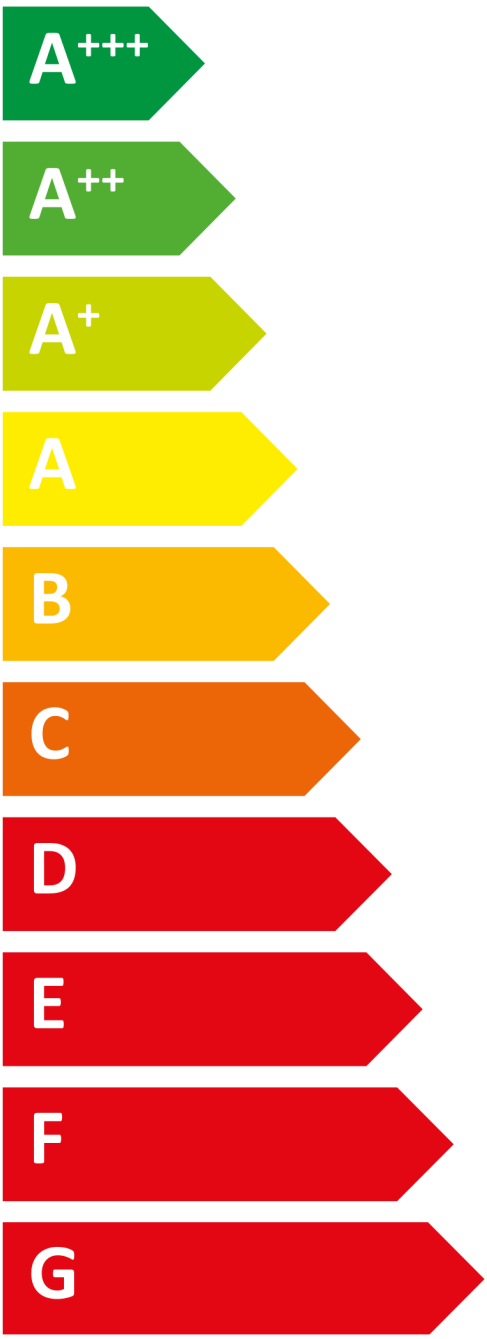
tecalor

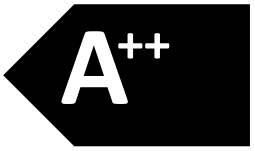
TTL 4.5 ICS











2015

811/2013

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

		TTL 4.5 ICS
		190523
Manufacturer		tecalor
Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (ɳs)	%	178
Temperature control class		VI
Contribution of temperature control to space heating energy efficiency	%	4
Space heating energy efficiency of package under average climate conditions	%	134
Space heating energy efficiency of package under colder climate conditions	%	123
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	%	11
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 4.5 ICS
		190523
Manufacturer		tecalor
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	7
Rated heating output under average climate conditions for medium-temperature applications (P rated)	kW	4
Rated heating output under warmer climate conditions for medium-temperature applications (P rated)	kW	2
Tj = -7 °C heating output, partial load range under colder climate conditions (Pdh)	kW	4,1
Tj = -7 °C heating output, partial load range under average climate conditions (Pdh)	kW	4,0
Tj = 2 °C heating output, partial load range under colder climate conditions (Pdh)	kW	2,6
Tj = 2 °C heating output, partial load range under average climate conditions (Pdh)	kW	2,5
Tj = 2 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	2,4
Tj = 7 °C heating output, partial load range under colder climate conditions (Pdh)	kW	2,1
Tj = 7 °C heating output, partial load range under average climate conditions (Pdh)	kW	2,0
Tj = 7 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	1,8
Tj = 12 °C heating output, partial load range under colder climate conditions (Pdh)	kW	2,0
Tj = 12 °C heating output, partial load range under average climate conditions (Pdh)	kW	2,0
Tj = 12 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	1,9
Tj = dual mode temperature under colder climate conditions (Pdh)	kW	4,1
Tj = dual mode temperature under average climate conditions (Pdh)	kW	4,0
Tj = dual mode temperature under warmer climate conditions (Pdh)	kW	2,4
Tj = operating temperature limit under colder climate conditions (Pdh)	kW	3,2
Tj = operating temperature limit under average climate conditions (Pdh)	kW	3,8
Tj = operating temperature limit under warmer climate conditions (Pdh)	kW	2,4
For air source heat pumps: Tj = -15 °C (if TOL< -20 °C) (Pdh)	kW	0,0
Dual mode temperature under colder climate conditions (Tbiv)	°C	-7
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)	%	119
Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (ɳs)	%	130
Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (ɳs)	%	136
Tj = -7 °C COP, partial load range under colder climate conditions (COPd)		2,63
Tj = -7 °C COP, partial load range under average climate conditions (COPd)		2,27
Tj = 2 °C COP, partial load range under colder climate conditions (COPd)		3,64
Tj = 2 °C COP, partial load range under average climate conditions (COPd)		3,16
Tj = 2 °C COP, partial load range under warmer climate conditions (COPd)		2,33
Tj = 7 °C COP, partial load range under colder climate conditions (COPd)		5,31
Tj = 7 °C COP, partial load range under average climate conditions (COPd)		4,53
Tj = 7 °C COP, partial load range under warmer climate conditions (COPd)		3,35

Tj = 12 °C COP, partial load range under colder climate conditions (COPd)		7,11
Tj = 12 °C COP, partial load range under average climate conditions (COPd)		6,44
Tj = 12 °C COP, partial load range under warmer climate conditions (COPd)		5,39
Tj = dual mode temperature under colder climate conditions (COPd)		2,63
Tj = dual mode temperature under average climate conditions (COPd)		2,27
Tj = dual mode temperature under warmer climate conditions (COPd)		2,33
Tj = operating temperature limit under colder climate conditions (COPd)		2,50
Tj = operating temperature limit under average climate conditions (COPd)		1,85
Tj = operating temperature limit under warmer climate conditions (COPd)		2,33
For air source heat pumps: Tj = -15 °C (if TOL< -20 °C) (COPd)		0,00
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	60
Operating temperature limit of heating water under average climate conditions (WTOL)	°C	60
Operating temperature limit of heating water under warmer climate conditions (WTOL)	°C	60
Power consumption, off-mode (Poff)	W	21
Power consumption, thermostat off-mode (PTO)	W	56
Power consumption, standby state (PSB)	W	56
Power consumption, operating state, with crankcase heating (PCK)	W	26
Rated heating output of auxiliary heater under average climate conditions (PSUP)	kW	0,7
Type of energy supply, auxiliary heater		elektrisch
Output control		veränderlich
Sound power level, outdoor	dB(A)	32
Sound power level, indoor	dB(A)	45
Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)	kWh/a	5515
Annual energy consumption under average climate conditions for medium-temperature applications (QHE)	kWh/a	2804
Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)	kWh/a	921
Flow rate on heat source side	m^3/h	1240