

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

		TTF 04 cool
		190339
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 (η s)	%	128
Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (\ensuremath{N} s)	%	189
Annual energy consumption under average climate conditions for medium-temperature applications (QHE)	kWh/a	2583
Annual energy consumption under average climate conditions for low-temperature applications (QHE)	kWh/a	2002
Sound power level, indoor	dB(A)	43
Rated heating output under colder climate conditions for medium-temperature applications (P rated)	kW	5
Rated heating output under colder climate conditions for low-temperature applications (P rated)	kW	6
Rated heating output under warmer climate conditions for medium-temperature applications (P rated)	kW	4
Rated heating output under warmer climate conditions for low-temperature applications (P rated)	kW	5
Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (η s)	%	133
Seasonal space heating energy efficiency under colder climate conditions for low-temperature applications (Γ s)	%	195
Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (η s)	%	126
Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (Γ)s)	%	187
Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)	kWh/a	3774
Annual energy consumption under colder climate conditions for low-temperature applications (QHE)	kWh/a	2888
Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)	kWh/a	1690
Annual energy consumption under warmer climate conditions for low-temperature applications (QHE)	kWh/a	1310



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tecalor

TTF 04 cool



























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	1903	339	
Manufacturer	teca	alor	
Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (ηs)	%	189	
Temperature control class		VII	
Contribution of temperature control to space heating energy efficiency	%	4	
Space heating energy efficiency of package under average climate conditions	%	132	
Space heating energy efficiency of package under colder climate conditions	%	137	
Space heating energy efficiency of package under warmer climate conditions	%	130	
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	%	2	
Energy efficiency class, space heating under average climate conditions, low-temperature applications	A+	++	
Space heating energy efficiency class of package under average climate conditions	Α-	++	

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		TTF 04 cool
Manufacturer		
Heat source		Sole
With auxiliary heater		x
Combination heater with heat pump		-
Rated heating output under colder climate conditions for medium- temperature applications (P rated)	kW	5
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	4
Tj = -7 °C heating output, partial load range under colder climate conditions (Pdh)	kW	4,5
Tj = -7 °C heating output, partial load range under average climate conditions (Pdh)	kW	4,3
Tj = 2 °C heating output, partial load range under colder climate conditions (Pdh)	kW	4,6
Tj = 2 °C heating output, partial load range under average climate conditions (Pdh)	kW	4,5
Tj = 2 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	4,3
Tj = 7 °C heating output, partial load range under colder climate conditions (Pdh)	kW	4,7
Tj = 7 °C heating output, partial load range under average climate conditions (Pdh)	kW	4,6
Tj = 7 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	4,4
Tj = 12 °C heating output, partial load range under colder climate conditions (Pdh)	kW	4,7
Tj = 12 °C heating output, partial load range under average climate conditions (Pdh)	kW	4,7
Tj = 12 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	4,6
Tj = dual mode temperature under colder climate conditions (Pdh)	kW	4,4
Tj = dual mode temperature under average climate conditions (Pdh)	kW	4,3
Tj = dual mode temperature under warmer climate conditions (Pdh)	kW	4,3
Tj = operating temperature limit under colder climate conditions (Pdh)	kW	4,3
Tj = operating temperature limit under average climate conditions (Pdh)	kW	4,3
Tj = operating temperature limit under warmer climate conditions (Pdh)	kW	4,3
For air source heat pumps: Tj = -15 °C (if TOL< -20 °C) (Pdh)	kW	4,3
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) Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (\(\Omega\)s)	%	2
Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (\(\Omega\)s)	%	128
Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (ηs)	%	126
$T_j = -7$ °C COP, partial load range under colder climate conditions (COPd)		3,34
Tj = -7 °C COP, partial load range under average climate conditions (COPd)		2,85
$T_j = 2$ °C COP, partial load range under colder climate conditions (COPd)		3,73
$T_{j} = 2$ °C COP, partial load range under average climate conditions (COPd)		3,35
$T_j = 2$ °C COP, partial load range under warmer climate conditions (COPd)		2,72
Tj = 7 °C COP, partial load range under colder climate conditions (COPd)		4,09
Tj = 7 °C COP, partial load range under average climate conditions (COPd)		3,73
Tj = 7 °C COP, partial load range under warmer climate conditions (COPd)		3,11

Tj = 12 °C COP, partial load range under average climate conditions (COPd) 3.87 Tj = 12 °C COP, partial load range under warmer climate conditions (COPd) 3.87 Tj = dual mode temperature under colder climate conditions (COPd) 2.72 Tj = dual mode temperature under average climate conditions (COPd) 2.72 Tj = dual mode temperature under average climate conditions (COPd) 2.72 Tj = operating temperature limit under colder climate conditions (COPd) 2.72 Tj = operating temperature limit under average climate conditions (COPd) 2.72 Tj = operating temperature limit under average climate conditions (COPd) 2.72 Tj = operating temperature limit under average climate conditions (COPd) 2.72 Tj = operating temperature limit under average climate conditions (WTOL) 2.72 Operating temperature limit of heating water under average climate conditions (WTOL) 2.72 Operating temperature limit of heating water under average climate conditions (WTOL) W 0 Power consumption, off-mode (Poff) W 0 Power consumption, thermostat off-mode (PTO) W 0 Power consumption, standby state (PSB) W 0 Rated heating output of auxiliary heater under average climate conditions (PSUP) W 0 Type of energy supply, auxiliary heater elektrisch Output control dB(A) 43 <	Tj = 12 °C COP, partial load range under colder climate conditions (COPd)		4,39
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Tj = dual mode temperature under average climate conditions (COPd) Tj = dual mode temperature under warmer climate conditions (COPd) 2,72 Tj = operating temperature limit under colder climate conditions (COPd) Tj = operating temperature limit under average climate conditions (COPd) Tj = operating temperature limit under average climate conditions (COPd) Tj = operating temperature limit under warmer climate conditions (COPd) Tj = operating temperature limit under warmer climate conditions (COPd) Tj = operating temperature limit under warmer climate conditions (COPd) For air source heat pumps: Tj = ·15 °C (if TOL< -20 °C) (COPd) Operating temperature limit of heating water under average climate conditions (WTOL) Power consumption, off-mode (Poff) W Operating temperature limit of heating water under average climate conditions (WTOL) Power consumption, off-mode (Poff) W Operating temperature limit of heating water under average climate warmer climate on the power consumption, off-mode (Poff) W Operating temperature of the power consumption, off-mode (Poff) W Operating temperature of the power consumption of the power consumption, off-mode (Poff) W Operating temperature operating temperature on the power consumption of the power consumption under conder under average climate conditions (PSUP) Type of energy supply, auxiliary heater under average climate conditions for well-under colder climate conditions for Medium-temperature applications (QHE) Annual energy consumption under average climate conditions for Medium-temperature applications (QHE) Annual energy consumption under warmer climate conditions for Medium-temperature applications (QHE) Annual energy consumption under warmer climate conditions for Medium-temperature applications (QHE)	,		3,87
Tj = dual mode temperature under warmer climate conditions (COPd) Tj = operating temperature limit under colder climate conditions (COPd) Tj = operating temperature limit under average climate conditions (COPd) Tj = operating temperature limit under average climate conditions (COPd) Tj = operating temperature limit under warmer climate conditions (COPd) For air source heat pumps: Tj = -15 °C (if TOL< -20 °C) (COPd) Operating temperature limit of heating water under average climate conditions (WTOL) Power consumption, off-mode (Poff) Power consumption, off-mode (Poff) Power consumption, thermostat off-mode (PTO) Power consumption, standby state (PSB) Power consumption, operating state, with crankcase heating (PCK) Rated heating output of auxiliary heater under average climate conditions (PSUP) Type of energy supply, auxiliary heater Coultput control Sound power level, indoor Annual energy consumption under colder climate conditions for medium-temperature applications (QHE) Annual energy consumption under average climate conditions for medium-temperature applications (QHE) MWh/a 1690 Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE) MWh/a 1690	Tj = dual mode temperature under colder climate conditions (COPd)		3,12
Tj = operating temperature limit under colder climate conditions (COPd) 2,72 Tj = operating temperature limit under average climate conditions (COPd) 2,72 Tj = operating temperature limit under warmer climate conditions (COPd) 2,72 For air source heat pumps: Tj = -15 °C (if TOL< -20 °C) (COPd)	Tj = dual mode temperature under average climate conditions (COPd)		2,72
Tj = operating temperature limit under average climate conditions (COPd) Tj = operating temperature limit under warmer climate conditions (COPd) Tj = operating temperature limit under warmer climate conditions (COPd) 2,72 Operating temperature limit of heating water under average climate conditions (WTOL) Operating temperature limit of heating water under average climate conditions (WTOL) Power consumption, off-mode (Poff) Power consumption, thermostat off-mode (PTO) Power consumption, standby state (PSB) Power consumption, operating state, with crankcase heating (PCK) Rated heating output of auxiliary heater under average climate conditions (PSUP) Type of energy supply, auxiliary heater under average climate conditions (PSUP) Type of energy supply, auxiliary heater Output control Sound power level, indoor Annual energy consumption under colder climate conditions for medium-temperature applications (OHE) Annual energy consumption under average climate conditions for medium-temperature applications (OHE) Annual energy consumption under average climate conditions for medium-temperature applications (OHE) Annual energy consumption under average climate conditions for medium-temperature applications (OHE) Annual energy consumption under average climate conditions for medium-temperature applications (OHE) Annual energy consumption under average climate conditions for medium-temperature applications (OHE) Annual energy consumption under warmer climate conditions for medium-temperature applications (OHE) Annual energy consumption under average climate conditions for medium-temperature applications (OHE)	Tj = dual mode temperature under warmer climate conditions (COPd)		2,72
Tj = operating temperature limit under warmer climate conditions (COPd) For air source heat pumps: Tj = -15 °C (if TOL< -20 °C) (COPd) Operating temperature limit of heating water under average climate conditions (WTOL) Power consumption, off-mode (Poff) Power consumption, thermostat off-mode (PTO) Power consumption, standby state (PSB) Power consumption, operating state, with crankcase heating (PCK) Rated heating output of auxiliary heater under average climate conditions (PSUP) Type of energy supply, auxiliary heater Output control Sound power level, indoor Annual energy consumption under colder climate conditions for medium-temperature applications (QHE) Annual energy consumption under average climate conditions for medium-temperature applications (QHE) Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE) Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE) Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE) Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE) Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE) Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE) Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)	Tj = operating temperature limit under colder climate conditions (COPd)		2,72
For air source heat pumps: Tj = -15 °C (if TOL< -20 °C) (COPd) Operating temperature limit of heating water under average climate conditions (WTOL) Power consumption, off-mode (Poff) Power consumption, thermostat off-mode (PTO) Power consumption, standby state (PSB) Power consumption, operating state, with crankcase heating (PCK) Rated heating output of auxiliary heater under average climate conditions (PSUP) Type of energy supply, auxiliary heater Output control Sound power level, indoor Annual energy consumption under colder climate conditions for medium-temperature applications (QHE) Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE) Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE) Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE) Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE) Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE) Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE) Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)	, , , , , , , , , , , , , , , , , , , ,		2,72
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Power consumption, thermostat off-mode (PTO) Power consumption, standby state (PSB) Power consumption, operating state, with crankcase heating (PCK) Rated heating output of auxiliary heater under average climate conditions (PSUP) Type of energy supply, auxiliary heater Output control Sound power level, indoor Annual energy consumption under colder climate conditions for medium-temperature applications (QHE) Annual energy consumption under average climate conditions for medium-temperature applications (QHE) Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE) Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE) KWh/a 1690		°C	65
Power consumption, standby state (PSB) Power consumption, operating state, with crankcase heating (PCK) Rated heating output of auxiliary heater under average climate conditions (PSUP) Type of energy supply, auxiliary heater Output control Sound power level, indoor Annual energy consumption under colder climate conditions for medium-temperature applications (QHE) Annual energy consumption under average climate conditions for medium-temperature applications (QHE) Annual energy consumption under average climate conditions for medium-temperature applications (QHE) Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE) Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE) KWh/a 1690	Power consumption, off-mode (Poff)	W	0
Power consumption, operating state, with crankcase heating (PCK) W 0,0 Rated heating output of auxiliary heater under average climate conditions (PSUP) Type of energy supply, auxiliary heater elektrisch Output control elektrisch Sound power level, indoor dB(A) 43 Annual energy consumption under colder climate conditions for medium-temperature applications (QHE) Annual energy consumption under average climate conditions for medium-temperature applications (QHE) Annual energy consumption under average climate conditions for medium-temperature applications (QHE) Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE) KWh/a 1690	Power consumption, thermostat off-mode (PTO)	W	54
Rated heating output of auxiliary heater under average climate conditions (PSUP) Type of energy supply, auxiliary heater Output control Sound power level, indoor Annual energy consumption under colder climate conditions for medium-temperature applications (QHE) Annual energy consumption under average climate conditions for medium-temperature applications (QHE) Annual energy consumption under average climate conditions for medium-temperature applications (QHE) Annual energy consumption under average climate conditions for medium-temperature applications (QHE) KWh/a 1690	Power consumption, standby state (PSB)	W	9
Conditions (PSUP) Type of energy supply, auxiliary heater Output control Sound power level, indoor Annual energy consumption under colder climate conditions for medium-temperature applications (QHE) Annual energy consumption under average climate conditions for medium-temperature applications (QHE) Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE) Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE) KWh/a 1690	Power consumption, operating state, with crankcase heating (PCK)	W	0
Output controlfestSound power level, indoordB(A)43Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)kWh/a3774Annual energy consumption under average climate conditions for medium-temperature applications (QHE)kWh/a2583Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)kWh/a1690	3 1 , 3	kW	0,0
Sound power level, indoor dB(A) 43 Annual energy consumption under colder climate conditions for medium-temperature applications (QHE) kWh/a 3774 Annual energy consumption under average climate conditions for medium-temperature applications (QHE) kWh/a 2583 Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE) kWh/a 1690	Type of energy supply, auxiliary heater		elektrisch
Annual energy consumption under colder climate conditions for medium-temperature applications (QHE) Annual energy consumption under average climate conditions for medium-temperature applications (QHE) Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE) kWh/a kWh/a 1690	Output control		fest
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medium-temperature applications (QHE) Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE) kWh/a kWh/a 1690		kWh/a	3774
medium-temperature applications (QHE)		kWh/a	2583
Flow rate on heat source side m³/h 115	3, 1	kWh/a	1690
	Flow rate on heat source side	m³/h	115