

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

		TTF 27
		190364
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	27
Rated heating output under average climate conditions for low-temperature applications (P rated)	kW	30
Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications ($\mbox{$(\Gamma_s)$}$	%	132
Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (η s)	%	203
Annual energy consumption under average climate conditions for medium-temperature applications (QHE)	kWh/a	15758
Annual energy consumption under average climate conditions for low-temperature applications (QHE)	kWh/a	11619
Sound power level, indoor	dB(A)	60
Rated heating output under colder climate conditions for medium-temperature applications (P rated)	kW	34
Rated heating output under colder climate conditions for low-temperature applications (P rated)	kW	37
Rated heating output under warmer climate conditions for medium-temperature applications (P rated)	kW	27
Rated heating output under warmer climate conditions for low-temperature applications (P rated)	kW	30
Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications ($\mbox{$(\Gamma_{\!s})$}$	%	139
Seasonal space heating energy efficiency under colder climate conditions for low-temperature applications ($\mbox{$(\Gamma)$}$ s)	%	213
Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications ($\mbox{$(\Gamma_s)$}$	%	131
Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications ($\mbox{$(\Gamma)$}$ s)	%	201
Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)	kWh/a	22680
Annual energy consumption under colder climate conditions for low-temperature applications (QHE)	kWh/a	16462
Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)	kWh/a	10292
Annual energy consumption under warmer climate conditions for low-temperature applications (QHE)	kWh/a	7587
Sound power level, outdoor	dB(A)	60



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Manufacturer	tecalor	
Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (η_s)	% 203	
Temperature control class	VII	
Contribution of temperature control to space heating energy efficiency	%	
Space heating energy efficiency of package under average climate conditions	% 136	
Space heating energy efficiency of package under colder climate conditions	% 143	
Space heating energy efficiency of package under warmer climate conditions	% 135	
Value of differential between space heating energy efficiency under average climate conditions and that under colder climate conditions	%	
Value of differential between space heating energy efficiency under warmer climate conditions and that under average climate conditions	%	
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++	

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Manufacture		190364
Manufacturer		tecalor
Heat source With auxiliary heater		Sole
Combination heater with heat pump		
Rated heating output under colder climate conditions for medium-		
temperature applications (P rated)	kW	34
Rated heating output under average climate conditions for medium- temperature applications (P rated)	kW	27
Rated heating output under warmer climate conditions for medium- temperature applications (P rated)	kW	27
Tj = -7 °C heating output, partial load range under colder climate conditions (Pdh)	kW	28,0
Tj = -7 °C heating output, partial load range under average climate conditions (Pdh)	kW	27,0
Tj = 2 °C heating output, partial load range under colder climate conditions (Pdh)	kW	28,7
Tj = 2 °C heating output, partial load range under average climate conditions (Pdh)	kW	28,0
Tj = 2 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	26,7
Tj = 7 °C heating output, partial load range under colder climate conditions (Pdh)	kW	29,2
Tj = 7 °C heating output, partial load range under average climate conditions (Pdh)	kW	28,7
Tj = 7 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	27,6
Tj = 12 °C heating output, partial load range under colder climate conditions (Pdh)	kW	29,6
Tj = 12 °C heating output, partial load range under average climate conditions (Pdh)	kW	29,3
Tj = 12 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	28,9
Tj = dual mode temperature under colder climate conditions (Pdh)	kW	27,6
Tj = dual mode temperature under average climate conditions (Pdh)	kW	26,7
Tj = dual mode temperature under warmer climate conditions (Pdh)	kW	26,7
Tj = operating temperature limit under colder climate conditions (Pdh)	kW	26,7
Tj = operating temperature limit under average climate conditions (Pdh)	kW	26,7
Tj = operating temperature limit under warmer climate conditions (Pdh)	kW	26,7
For air source heat pumps: Tj = -15 °C (if TOL< -20 °C) (Pdh)	kW °C	26,7
Dual mode temperature under colder climate conditions (Tbiv) Dual mode temperature under average climate conditions (Tbiv)	°C	-15 -10
Dual mode temperature under average climate conditions (Tbiv)	°C	2
Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (Ŋs)	%	139
Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (ηs)	%	132
Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (ηs)	%	131
Tj = -7 °C COP, partial load range under colder climate conditions (COPd)		3,47
Tj = -7 °C COP, partial load range under average climate conditions (COPd)		2,92
Tj = 2 °C COP, partial load range under colder climate conditions (COPd)		3,92
Tj = 2 °C COP, partial load range under average climate conditions (COPd)		3,49
Tj = 2 °C COP, partial load range under warmer climate conditions (COPd)		2,79
Tj = 7 °C COP, partial load range under colder climate conditions (COPd)		4,36
Tj = 7 °C COP, partial load range under average climate conditions (COPd)		3,93
Tj = 7 °C COP, partial load range under warmer climate conditions (COPd)		3,22

IT = 12 °C COP, partial load range under average climate conditions (COPd) 447,00 IT = 12 °C COP, partial load range under warmer climate conditions (COPd) 3,23 IT = dual mode temperature under colder climate conditions (COPd) 2,79 IT = dual mode temperature under average climate conditions (COPd) 2,79 IT = dual mode temperature under average climate conditions (COPd) 2,79 IT = operating temperature limit under colder climate conditions (COPd) 2,79 IT = operating temperature limit under average climate conditions (COPd) 2,79 IT = operating temperature limit under average climate conditions (COPd) 2,79 IT = operating temperature limit under average climate conditions (COPd) 2,79 IT = operating temperature limit under warmer climate conditions (COPd) 2,79 IT = operating temperature limit of heating water under average climate conditions (WITOL) 2,79 OP a sir source heat pumps: IT = -15 °C (If TOL< -20 °C) (COPd) 2,79 Operating temperature limit of heating water under average climate conditions (WITOL) W 7 Operating temperature limit of heating water under average climate conditions (POPT) W 7 Power consumption, thermostat off-mode (POT) W 7 Power consumption, standby state (PSB) W 7 Power consumption, operating state, with crankcase heating (PCK) W 7 <t< th=""><th>$T_{\rm J}=12$ °C COP, partial load range under colder climate conditions (COPd)</th><th></th><th>4,73</th></t<>	$T_{\rm J}=12$ °C COP, partial load range under colder climate conditions (COPd)		4,73
COPd 3.23			447,00
Tj = dual mode temperature under average climate conditions (COPd) 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) Tj = operating temperature limit under warmer climate conditions (COPd) Tj = operating temperature limit under warmer climate conditions (COPd) Tj = operating temperature limit on feating water under average climate conditions (WTOL) Operating temperature limit of heating water under average climate conditions (WTOL) Power consumption, off-mode (Poff) W 0 0 Power consumption, thermostat off-mode (PTO) W 7 Power consumption, thermostat off-mode (PTO) W 7 Power consumption, operating state, with crankcase heating (PCK) W 7 Power consumption, operating state, with crankcase heating (PCK) W 7 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 Gest Sound power level, outdoor Gest Sound power level, indoor dB(A) 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 warmer climate conditions for medium-temperature applications (OHE) Annual energy consumption under warmer climate conditions for medium-temperature applications (OHE) Annual energy consumption under warmer climate conditions for medium-temperature applications (OHE) Annual energy consumption under warmer climate conditions for medium-temperature applications (OHE)	,		4,10
Tj = dual mode temperature under warmer climate conditions (COPd) 2,79 Tj = operating temperature limit under colder climate conditions (COPd) 2,79 Tj = operating temperature limit under average climate conditions (COPd) 2,79 (COPd) 2,79 For air source heat pumps: Tj = ·15 °C (if TOL< -20 °C) (COPd)	Tj = dual mode temperature under colder climate conditions (COPd)		3,23
Tj = operating temperature limit under colder climate conditions (COPd) 2,79 Tj = operating temperature limit under average climate conditions (COPd) 2,79 Tj = operating temperature limit under warmer climate conditions (COPd) 2,79 For air source heat pumps: Tj = -15 °C (if TOL< -20 °C) (COPd)	Tj = dual mode temperature under average climate conditions (COPd)		2,79
Tj = operating temperature limit under average climate conditions (COPd) 2,79	Tj = dual mode temperature under warmer climate conditions (COPd)		2,79
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, outdoor 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 kWh/a Annual energy consumption under warmer climate conditions for kWh/a Annual energy consumption under warmer climate conditions for kWh/a Annual energy consumption under warmer climate conditions for kWh/a Annual energy consumption under warmer climate conditions for kWh/a	Tj = operating temperature limit under colder climate conditions (COPd)		2,79
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, outdoor 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) Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)			2,79
Operating temperature limit of heating water under average climate conditions (WTOL) Power consumption, off-mode (Poff) Power consumption, thermostat off-mode (PTO) 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, outdoor 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)	, , , , , , , , , , , , , , , , , , , ,		2,79
Power consumption, off-mode (Poff) Power consumption, thermostat off-mode (PTO) 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, outdoor 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 15758	For air source heat pumps: Tj = -15 °C (if TOL< -20 °C) (COPd)		2,79
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, outdoor 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)		°C	60
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, outdoor 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 10292	Power consumption, off-mode (Poff)	W	0
Power consumption, operating state, with crankcase heating (PCK) W 74 Rated heating output of auxiliary heater under average climate conditions (PSUP) Type of energy supply, auxiliary heater Output control Eektrisch Output control G Eektrisch Sound power level, outdoor G B(A) 60 Sound power level, indoor G B(A) 60 Annual energy consumption under colder climate conditions for medium-temperature applications (QHE) Expendium-temperature applications (QHE) Annual energy consumption under average climate conditions for medium-temperature applications (QHE) Expendium-temperature applications (QHE) Expen	Power consumption, thermostat off-mode (PTO)	W	7
Rated heating output of auxiliary heater under average climate conditions (PSUP) Type of energy supply, auxiliary heater Output control Sound power level, outdoor 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 10292	Power consumption, standby state (PSB)	W	7
Conditions (PSUP) Type of energy supply, auxiliary heater Output control Sound power level, outdoor 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) Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE) kWh/a 10292	Power consumption, operating state, with crankcase heating (PCK)	W	74
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Sound power level, outdoordB(A)60Sound power level, indoordB(A)60Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)kWh/a22680Annual energy consumption under average climate conditions for medium-temperature applications (QHE)kWh/a15758Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)kWh/a10292	Type of energy supply, auxiliary heater		elektrisch
Sound power level, indoordB(A)60Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)kWh/a22680Annual energy consumption under average climate conditions for medium-temperature applications (QHE)kWh/a15758Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)kWh/a10292	Output control		fest
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 15758 kWh/a 10292	Sound power level, outdoor	dB(A)	60
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 15758 kWh/a 10292	Sound power level, indoor	dB(A)	60
medium-temperature applications (QHE) Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE) kWh/a kWh/a 15758	3,	kWh/a	22680
medium-temperature applications (QHE)	3, 1	kWh/a	15758
Flow rate on heat source side m³/h 7		kWh/a	10292
	Flow rate on heat source side	m³/h	7