

		TTF 85.6 I topline
		191015
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	81
Rated heating output under average climate conditions for low-temperature applications (P rated)	kW	84
Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (η_s)	%	159
Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (η_s)	%	202
Annual energy consumption under average climate conditions for medium-temperature applications (QHE)	kWh/a	40141
Annual energy consumption under average climate conditions for low-temperature applications (QHE)	kWh/a	33054
Sound power level, indoor	dB(A)	50
Option for operation only at off-peak times		
Rated heating output under colder climate conditions for medium-temperature applications (P rated)	kW	81
Rated heating output under colder climate conditions for low-temperature applications (P rated)	kW	84
Rated heating output under warmer climate conditions for medium-temperature applications (P rated)	kW	81
Rated heating output under warmer climate conditions for low-temperature applications (P rated)	kW	84
Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (η s)	%	166
Seasonal space heating energy efficiency under colder climate conditions for low-temperature applications (η s)	%	209
Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (η s)	%	158
Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (η s)	%	203
Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)	kWh/a	46029
Annual energy consumption under colder climate conditions for low-temperature applications (QHE)	kWh/a	38123
Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)	kWh/a	26114
Annual energy consumption under warmer climate conditions for low-temperature applications (QHE)	kWh/a	21295
Sound power level, outdoor	dB(A)	0



ENERG Y (JA) EHEPΓИЯ · ενεργεια (Ε) (ΙΑ)

tecalor

TTF 85.6 I topline

























A⁺

A

B

C

D

E

F

G



2015

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

		TTF 85.6 I topline
		191015
Manufacturer		tecalor
Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (ηs)	%	202
Temperature control class		П
Contribution of temperature control to space heating energy efficiency	%	2
Value of differential between space heating energy efficiency under average climate conditions and that under colder climate conditions	%	8
Value of differential between space heating energy efficiency under warmer climate conditions and that under average climate conditions	%	3
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)

		TTF 85.6 I topline
		191015
Manufacturer		tecalor
Heat source		Sole
Low temperature heat pump With auxiliary heater		
Combination heater with heat pump		<u>-</u>
Rated heating output under colder climate conditions for medium-		
temperature applications (P rated)	kW	81
Rated heating output under average climate conditions for medium- temperature applications (P rated)	kW	81
Rated heating output under warmer climate conditions for medium-temperature applications (P rated)	kW	81
Tj = -7 °C heating output, partial load range under colder climate conditions (Pdh)	kW	49,2
Tj = -7 °C heating output, partial load range under average climate conditions (Pdh)	kW	71,9
Tj = 2 °C heating output, partial load range under colder climate conditions (Pdh)	kW	29,1
Tj = 2 °C heating output, partial load range under average climate conditions (Pdh)	kW	43,8
Tj = 2 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	81,3
Tj = 7 °C heating output, partial load range under colder climate conditions (Pdh)	kW	23,1
Tj = 7 °C heating output, partial load range under average climate conditions (Pdh)	kW	28,1
Tj = 7 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	52,3
Tj = 12 °C heating output, partial load range under colder climate conditions (Pdh)	kW	23,2
Tj = 12 °C heating output, partial load range under average climate conditions (Pdh)	kW	23,0
Tj = 12 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	23,2
Tj = dual mode temperature under colder climate conditions (Pdh)	kW	81,3
Tj = dual mode temperature under average climate conditions (Pdh)	kW	81,3
Tj = dual mode temperature under warmer climate conditions (Pdh)	kW	81,3
Tj = operating temperature limit under colder climate conditions (Pdh)	kW	81,3
Tj = operating temperature limit under average climate conditions (Pdh)	kW	81,3
Tj = operating temperature limit under warmer climate conditions (Pdh)	kW	81,3
For air source heat pumps: Tj = -15 °C (if TOL< -20 °C) (Pdh)	kW	79,0
Dual mode temperature under colder climate conditions (Tbiv)	°C	-22
Dual mode temperature under average climate conditions (Tbiv)	°C	-10
Dual mode temperature under warmer climate conditions (Tbiv)	°C	2
Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (\(\Omega\)s)	%	166
Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (Ŋs)	%	159
Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (Ŋs)	%	158
Tj = -7 °C COP, partial load range under colder climate conditions (COPd)		3,92
Tj = -7 °C COP, partial load range under average climate conditions (COPd)		3,15
$T_j = 2$ °C COP, partial load range under colder climate conditions (COPd)		4,84
Tj = 2 °C COP, partial load range under average climate conditions (COPd)		4,15
Tj = 2 °C COP, partial load range under warmer climate conditions (COPd)		2,91
Tj = 7 °C COP, partial load range under colder climate conditions (COPd)		5,00
Tj = 7 °C COP, partial load range under average climate conditions (COPd)		4,91

Tj = 12 °C COP, partial load range under colder climate conditions (COPd) 4,94 Tj = 12 °C COP, partial load range under average climate conditions (COPd) 4,94 Tj = 12 °C COP, partial load range under warmer climate conditions (COPd) 4,87 Tj = dual mode temperature under colder climate conditions (COPd) 2,91 Tj = dual mode temperature under average climate conditions (COPd) 2,91 Tj = dual mode temperature under average climate conditions (COPd) 2,91 Tj = operating temperature limit under average climate conditions (COPd) 2,91 Tj = operating temperature limit under average climate conditions (COPd) 2,91 Tj = operating temperature limit under average climate conditions (COPd) 2,91 Tj = operating temperature limit under average climate conditions (COPd) 2,91 Tj = operating temperature limit under average climate conditions (COPd) 2,91 Tj = operating temperature limit under average climate conditions (COPd) 2,91 Tj = operating temperature limit of heating water under colder climate conditions (COPd) 2,36 Operating temperature limit of heating water under average climate conditions (COPd) 6 Operating temperature limit of heating water under average climate conditions (CVIC) 6 Operating temperature limit of heating water under warmer climate conditions (CVIC)	Tj = 7 °C COP, partial load range under warmer climate conditions (COPd)		3,69
COPC T = 12 °C COP, partial load range under warmer climate conditions (COPd) 2.91 T = dual mode temperature under coder climate conditions (COPd) 2.91 T = dual mode temperature under average climate conditions (COPd) 2.91 T = dual mode temperature under average climate conditions (COPd) 2.91 T = operating temperature limit under colder climate conditions (COPd) 2.91 T = operating temperature limit under average climate conditions (COPd) 2.91 T = operating temperature limit under average climate conditions (COPd) 2.91 T = operating temperature limit under average climate conditions (COPd) 2.91 T = operating temperature limit under warmer climate conditions (COPd) 2.36 Operating temperature limit of heating water under colder climate onditions (WTOL) 2.36 Operating temperature limit of heating water under average climate onditions (WTOL) 2.36 Operating temperature limit of heating water under average climate onditions (WTOL) 2.36 Operating temperature limit of heating water under average climate onditions (WTOL) 2.36 Operating temperature limit of heating water under average climate onditions (WTOL) 2.36 Operating temperature limit of heating water under average climate onditions (WTOL) 2.36 Operating temperature limit of heating water under average climate onditions (WTOL) 2.36 Operating temperature limit of heating water under average climate onditions (WTOL) 2.36 Operating temperature limit of heating water under average climate onditions (WTOL) 2.36 Operating temperature limit of heating water under average climate water onditions (WTOL) 2.36 Operating temperature limit of heating water under average climate water water limit of heating water under average climate water limit of heating water under average climate water limit of heating water limit of heating limit of heating water limit of heating water limit of heating limit of heating water limit of heating water limit of heating			5,06
COPd Story Stor			4,94
Tj = dual mode temperature under average climate conditions (COPd) 2,91 Tj = dual mode temperature under warmer climate conditions (COPd) 2,91 Tj = operating temperature limit under colder climate conditions (COPd) 2,91 Tj = operating temperature limit under average climate conditions (COPd) 2,91 Tj = operating temperature limit under average climate conditions (COPd) 2,91 Tj = operating temperature limit under warmer climate conditions (COPd) 2,36 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 average 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 average climate conditions (WTOL) W 9 Power consumption, off-mode (Poff) W 9 Power consumption, standby state (PSB) W 11 Power consumption, operating state, with crankcase heating (PCK) W 0 Rated heating output of auxiliary heater kW 0,0 Output control dB(A)			4,87
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) Tj = operating temperature limit under warmer climate conditions (COPd) Tj = operating temperature limit under warmer climate conditions (COPd) Tj = operating temperature limit of heating water under colder climate conditions (WTOL) Operating temperature limit of heating water under average climate conditions (WTOL) Operating temperature limit of heating water under average climate conditions (WTOL) Operating temperature limit of heating water under average climate conditions (WTOL) Operating temperature limit of heating water under warmer climate conditions (WTOL) Operating temperature limit of heating water under average climate conditions (WTOL) Operating temperature limit of heating water under average climate conditions (WTOL) Operating temperature limit of heating water under average climate conditions (WTOL) Operating temperature applications (PTO) W 11 Operating temperature applications (PTO) W 12 Operating temperature applications (PTO) W 13 Operating temperature applications (PTO) W 14 Operating temperature applications (OHE) N 00 00 00 00 00 00 00 00 00 00 00 00 0	Tj = dual mode temperature under colder climate conditions (COPd)	-	2,91
Tj = operating temperature limit under colder climate conditions (COPd) 2,91 Tj = operating temperature limit under average climate conditions (COPd) 2,91 Tj = operating temperature limit under warmer climate conditions (COPd) 2,91 For air source heat pumps: Tj = -15 °C (if TOL< -20 °C) (COPd)	Tj = dual mode temperature under average climate conditions (COPd)	•	2,91
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 colder climate conditions (WTOL) Operating temperature limit of heating water under average climate conditions (WTOL) Operating temperature limit of heating water under average climate conditions (WTOL) Operating temperature limit of heating water under average climate conditions (WTOL) Operating temperature limit of heating water under warmer climate conditions (WTOL) Operating temperature limit of heating water under warmer climate conditions (WTOL) Operating temperature limit of heating water under warmer climate conditions (WTOL) Power consumption, off-mode (Poff) W 90wer consumption, off-mode (Poff) W 111 Power consumption, thermostat off-mode (PTO) Rated heating output of auxiliary heater under average climate conditions (PSUP) Operating temperature applications (OHE) Annual energy supply, auxiliary heater 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) Annual energy consumption under warmer climate conditions for medium-temperature applications (OHE)	Tj = dual mode temperature under warmer climate conditions (COPd)	-	2,91
COPd) 2.91 Tj = operating temperature limit under warmer climate conditions (COPd) 2,91 For air source heat pumps: Tj = .15 °C (if TOL< -20 °C) (COPd)	Tj = operating temperature limit under colder climate conditions (COPd)	•	2,91
COPd	, , , , , , , , , , , , , , , , , , , ,		2,91
Operating temperature limit of heating water under colder climate conditions (WTOL) Operating temperature limit of heating water under average climate conditions (WTOL) Operating temperature limit of heating water under average climate conditions (WTOL) Operating temperature limit of heating water under warmer 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 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 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 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)	, , , , , , , , , , , , , , , , , , , ,		2,91
Conditions (WTOL) Operating temperature limit of heating water under average climate conditions (WTOL) Operating temperature limit of heating water under warmer 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 medium-temperature applications (QHE) Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)	For air source heat pumps: Tj = -15 °C (if TOL< -20 °C) (COPd)	•	2,36
Conditions (WTOL) Operating temperature limit of heating water under warmer 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) KWh/a Lack Sound		°C	65
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, outdoor 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) KWh/a LEVELOW OR		°C	65
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	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, 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 26114	Power consumption, off-mode (Poff)	W	9
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	Power consumption, thermostat off-mode (PTO)	w	11
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 26114	Power consumption, standby state (PSB)	w	11
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) Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)	Power consumption, operating state, with crankcase heating (PCK)	W	0
Output control veränderlich Sound power level, outdoor dB(A) 0 Sound power level, indoor dB(A) 50 Annual energy consumption under colder climate conditions for medium-temperature applications (QHE) kWh/a 46029 Annual energy consumption under average climate conditions for medium-temperature applications (QHE) kWh/a 40141 Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE) kWh/a 26114		kW	0,0
Sound power level, outdoordB(A)0Sound power level, indoordB(A)50Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)kWh/a46029Annual energy consumption under average climate conditions for medium-temperature applications (QHE)kWh/a40141Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)kWh/a26114	Type of energy supply, auxiliary heater	-	elektrisch
Sound power level, indoordB(A)50Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)kWh/a46029Annual energy consumption under average climate conditions for medium-temperature applications (QHE)kWh/a40141Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)kWh/a26114	Output control	•	veränderlich
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 26114	Sound power level, outdoor	dB(A)	0
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 26114	Sound power level, indoor	dB(A)	50
medium-temperature applications (QHE) Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE) kWh/a kWh/a 26114		kWh/a	46029
medium-temperature applications (QHE)		kWh/a	40141
Flow rate on heat source side m³/h 1879		kWh/a	26114
	Flow rate on heat source side	m³/h	1879