



ENERGY

tecalor

TTL 33 HT Grundgerät



55 °C

35 °C



A⁺

A⁺



53 dB



58 dB

■ 21
■ 14
■ 8
kW

■ 20
■ 14
■ 7
kW



2019

811/2013

		TTL 33 HT Grundgerät
		190231
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	14
Rated heating output under average climate conditions for low-temperature applications (P rated)	kW	14
Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (η_s)	%	122
Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (η_s)	%	147
Annual energy consumption under average climate conditions for medium-temperature applications (QHE)	kWh/a	9557
Annual energy consumption under average climate conditions for low-temperature applications (QHE)	kWh/a	7663
Sound power level, indoor	dB(A)	53
Rated heating output under colder climate conditions for medium-temperature applications (P rated)	kW	21
Rated heating output under colder climate conditions for low-temperature applications (P rated)	kW	20
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	7
Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (η_s)	%	92
Seasonal space heating energy efficiency under colder climate conditions for low-temperature applications (η_s)	%	110
Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (η_s)	%	163
Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (η_s)	%	183
Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)	kWh/a	22302
Annual energy consumption under colder climate conditions for low-temperature applications (QHE)	kWh/a	17781
Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)	kWh/a	2907
Annual energy consumption under warmer climate conditions for low-temperature applications (QHE)	kWh/a	2489
Sound power level, outdoor	dB(A)	58



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A⁺

A⁺⁺⁺

A⁺⁺

A⁺⁺

A⁺

A

B

C

D

E

F

G

+



+



+



+



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

		TTL 33 HT Grundgerät
		190231
Manufacturer		tecalor
Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (η_s)	%	147
Temperature control class		VI
Contribution of temperature control to space heating energy efficiency	%	4
Space heating energy efficiency of package under average climate conditions	%	126
Space heating energy efficiency of package under colder climate conditions	%	96
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	%	30
Value of differential between space heating energy efficiency under warmer climate conditions and that under average climate conditions	%	41
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 33 HT Grundgerät
		190231
Manufacturer		tecalor
Heat source		Außenluft
With auxiliary heater		x
Combination heater with heat pump		-
Rated heating output under colder climate conditions for medium-temperature applications (P rated)	kW	21
Rated heating output under average climate conditions for medium-temperature applications (P rated)	kW	14
Rated heating output under warmer climate conditions for medium-temperature applications (P rated)	kW	8
Tj = -7 °C heating output, partial load range under average climate conditions (Pdh)	kW	12,8
Tj = 2 °C heating output, partial load range under average climate conditions (Pdh)	kW	7,6
Tj = 7 °C heating output, partial load range under average climate conditions (Pdh)	kW	5,6
Tj = 12 °C heating output, partial load range under average climate conditions (Pdh)	kW	6,6
Tj = dual mode temperature under average climate conditions (Pdh)	kW	11,7
Tj = operating temperature limit under average climate conditions (Pdh)	kW	13,8
For air source heat pumps: Tj = -15 °C (if TOL< -20 °C) (Pdh)	kW	14,3
Dual mode temperature under average climate conditions (Tbiv)	°C	-5
Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (ηs)	%	92
Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (ηs)	%	122
Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (ηs)	%	163
Tj = -7 °C COP, partial load range under average climate conditions (COPd)		2,09
Tj = 2 °C COP, partial load range under average climate conditions (COPd)		3,06
Tj = 7 °C COP, partial load range under average climate conditions (COPd)		4,32
Tj = 12 °C COP, partial load range under average climate conditions (COPd)		579,00
Tj = dual mode temperature under average climate conditions (COPd)		2,31
Tj = operating temperature limit under average climate conditions (COPd)		1,51
For air source heat pumps: Tj = -15 °C (if TOL< -20 °C) (COPd)		2,11
Operating temperature limit of heating water under average climate conditions (WTOL)	°C	75
Power consumption, off-mode (Poff)	W	7
Power consumption, thermostat off-mode (PTO)	W	7
Power consumption, standby state (PSB)	W	7
Power consumption, operating state, with crankcase heating (PCK)	W	62
Rated heating output of auxiliary heater under average climate conditions (PSUP)	kW	0,6
Type of energy supply, auxiliary heater		elektrisch
Output control		fest
Sound power level, outdoor	dB(A)	58
Sound power level, indoor	dB(A)	53
Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)	kWh/a	22302
Annual energy consumption under average climate conditions for medium-temperature applications (QHE)	kWh/a	9557
Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)	kWh/a	2907
Flow rate on heat source side	m³/h	3500