

Manufacturer Space heating energy efficiency class under average climate conditions, medium-temperature applications Energy efficiency class, space heating under average climate conditions, low-temperature applications Rated heating output under average climate conditions for medium-temperature applications (P rated) Rated heating output under average climate conditions for low-temperature applications (P rated) Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (ηs) Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (ηs) Annual energy consumption under average climate conditions for medium-temperature applications (QHE) Annual energy consumption under average climate conditions for low-temperature applications (QHE) Rated heating output under colder climate conditions for low-temperature applications (P rated) Rated heating output under colder climate conditions for low-temperature applications (P rated) Rated heating output under colder climate conditions for low-temperature applications (P rated)
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Rated heating output under colder climate conditions for low-temperature applications (P
rated)
Rated heating output under warmer climate conditions for medium-temperature applications (P rated)
Rated heating output under warmer climate conditions for low-temperature applications (P rated)
Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (Ŋs) %
Seasonal space heating energy efficiency under colder climate conditions for low-temperature applications ($\cite{\cappa}$ s)
Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (Γ)s)
Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (Ŋs) %
Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)
Annual energy consumption under colder climate conditions for low-temperature applications (QHE) kWh/a
Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE) kWh/a
Annual energy consumption under warmer climate conditions for low-temperature applications (QHE) kWh/a
Sound power level, outdoor dB(A)



ENERGY

WPL 10 ACS

STIEBEL ELTRON

































A⁺



A

B

C

D

E

F



2015

811/2013

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

	WPL 1	LO ACS
	2	227995
Manufacturer	STIEBEL E	LTRON
Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (η s)	%	138
Temperature control class		VII
Contribution of temperature control to space heating energy efficiency	%	4
Space heating energy efficiency of package under average climate conditions	%	118
Space heating energy efficiency of package under colder climate conditions	%	106
Space heating energy efficiency of package under warmer climate conditions	%	143
Value of differential between space heating energy efficiency under average climate conditions and that under colder climate conditions	%	12
Value of differential between space heating energy efficiency under warmer climate conditions and that under average climate conditions	%	25
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)

		WPL 10 ACS
Manufacturer		227995 STIEBEL ELTRON
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	5
Rated heating output under average climate conditions for medium- temperature applications (P rated)	kW	5
Rated heating output under warmer climate conditions for medium-temperature applications (P rated)	kW	5
Tj = -7 °C heating output, partial load range under colder climate conditions (Pdh)	kW	4,3
Tj = -7 °C heating output, partial load range under average climate conditions (Pdh)	kW	3,9
Tj = 2 °C heating output, partial load range under colder climate conditions (Pdh)	kW	6,2
Tj = 2 °C heating output, partial load range under average climate conditions (Pdh)	kW	6,0
Tj = 2 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	5,4
Tj = 7 °C heating output, partial load range under colder climate conditions (Pdh)	kW	7,6
Tj = 7 °C heating output, partial load range under average climate conditions (Pdh)	kW	7,4
Tj = 7 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	6,9
$Tj = 12~^{\circ}\text{C}$ heating output, partial load range under colder climate conditions (Pdh)	kW	9,7
Tj = 12 °C heating output, partial load range under average climate conditions (Pdh)	kW	9,6
Tj = 12 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	9,4
Tj = dual mode temperature under colder climate conditions (Pdh)	kW	3,7
Tj = dual mode temperature under average climate conditions (Pdh)	kW	4,4
Tj = dual mode temperature under warmer climate conditions (Pdh)	kW	5,4
Tj = operating temperature limit under colder climate conditions (Pdh)	kW	1,4
Tj = operating temperature limit under average climate conditions (Pdh)	kW	3,1
Tj = operating temperature limit under warmer climate conditions (Pdh)	kW	5,4
For air source heat pumps: Tj = -15 °C (if TOL< -20 °C) (Pdh)	kW °C	1,9 -10
Dual mode temperature under colder climate conditions (Tbiv) Dual mode temperature under average climate conditions (Tbiv)	°C	-5
Dual mode temperature under warmer climate conditions (Tbiv)	°C	
Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (Ŋs)	%	102
Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (Ŋs)	%	114
Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (Ŋs)	%	139
Tj = -7 °C COP, partial load range under colder climate conditions (COPd)		2,49
Tj = -7 °C COP, partial load range under average climate conditions (COPd)		2,23
Tj = 2 °C COP, partial load range under colder climate conditions (COPd)		3,06
Tj = 2 °C COP, partial load range under average climate conditions (COPd)		2,85
Tj = 2 °C COP, partial load range under warmer climate conditions (COPd)		2,35
Tj = 7 °C COP, partial load range under colder climate conditions (COPd)		3,64
Tj = 7 °C COP, partial load range under average climate conditions (COPd)		3,44
Tj = 7 °C COP, partial load range under warmer climate conditions (COPd)		2,97

Tj = 12 °C COP, partial load range under average climate conditions (COPd) 44,00 Tj = 12 °C COP, partial load range under warmer climate conditions (COPd) 2,30 Tj = dual mode temperature under colder climate conditions (COPd) 2,38 Tj = dual mode temperature under average climate conditions (COPd) 2,38 Tj = dual mode temperature limit under colder climate conditions (COPd) 2,35 Tj = operating temperature limit under colder climate conditions (COPd) 1,37 Tj = operating temperature limit under average climate conditions (COPd) 2,35 Tj = operating temperature limit under average climate conditions (COPd) 2,35 Tj = operating temperature limit under average climate conditions (COPd) 1,37 Tj = operating temperature limit under average climate conditions (COPd) 1,57 Operating temperature limit of heating water under average climate conditions (WTOL) °C Power consumption, off-mode (Poff) W 5 Power consumption, off-mode (Poff) W 5 Power consumption, operating state, with crankcase heating (PCK) W 5 Power consumption, operating state, with crankcase heating (PCK) W 12 Rated heating output of auxiliary heater under average climate conditions (PSUP) kWh 2,3	Tj = 12 °C COP, partial load range under colder climate conditions (COPd)		4,35
COPd COPd			44,00
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 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 average climate conditions (WTOL) 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 5 Power consumption, off-mode (Poff) W 5 Power consumption, thermostat off-mode (PTO) W 5 Power consumption, operating state, with crankcase heating (PCK) W 12 Rated heating output of auxiliary heater under average climate conditions (PSUP) Type of energy supply, auxiliary heater Coutput 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) Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)	, , , , , , , , , , , , , , , , , , , ,		4,50
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 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) 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 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)	Tj = dual mode temperature under colder climate conditions (COPd)		2,30
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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) Spora ir 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, 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 well-under average climate conditions for medium-temperature applications (QHE) Annual energy consumption under warmer climate conditions for well-under average climate conditions for medium-temperature applications (QHE) Annual energy consumption under warmer climate conditions for well-under average climate conditi	Tj = dual mode temperature under warmer climate conditions (COPd)		2,35
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 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 while	Tj = operating temperature limit under colder climate conditions (COPd)		1,37
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 well-wide applications (QHE) Annual energy consumption under warmer climate conditions for well-wide applications (QHE) Annual energy consumption under warmer climate conditions for well-wide applications (QHE)	, , , , , , , , , , , , , , , , , , , ,		2,01
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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, 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)		°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 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 kWh/a Annual energy consumption under warmer climate conditions for kWh/a Sound power level, outdoor kWh/a	Power consumption, off-mode (Poff)	W	5
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 warmer climate conditions for medium-temperature applications (QHE) Annual energy consumption under warmer climate conditions for wedium-temperature applications (QHE) Annual energy consumption under warmer climate conditions for well-white wa	Power consumption, thermostat off-mode (PTO)	W	5
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 average climate conditions for medium-temperature applications (QHE) Annual energy consumption under average climate conditions for kWh/a 2030	Power consumption, standby state (PSB)	W	5
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 warmer climate conditions for kWh/a 2,3 kWh/a 2,3 kWh/a 2,3 Elektrisch 48(A) 59 Annual energy consumption under colder climate conditions for kWh/a 2030	Power consumption, operating state, with crankcase heating (PCK)	W	12
Output control fest Sound power level, outdoor dB(A) 59 Annual energy consumption under colder climate conditions for medium-temperature applications (QHE) kWh/a 5096 Annual energy consumption under average climate conditions for medium-temperature applications (QHE) kWh/a 3861 Annual energy consumption under warmer climate conditions for kWh/a 2030	3 1 , 3	kW	2,3
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 warmer climate conditions for kWh/a 2030	Type of energy supply, auxiliary heater		elektrisch
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medium-temperature applications (QHE) Annual energy consumption under average climate conditions for medium-temperature applications (QHE) Annual energy consumption under warmer climate conditions for kWh/a 2030	Sound power level, outdoor	dB(A)	59
medium-temperature applications (QHE) Annual energy consumption under warmer climate conditions for kWh/a 2030		kWh/a	5096
7030 VWn/a 7030		kWh/a	3861
	5, 1	kWh/a	2030
Flow rate on heat source side m³/h 2300	Flow rate on heat source side	m³/h	2300