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

		WPL 44 AC ANT
		235344
Manufacturer		STIEBEL ELTRON
Heat source		Außenluft
Rated heating output under colder climate conditions for medium-temperature applications (P rated)	kW	24
Rated heating output under average climate conditions for medium-temperature applications (P rated)	kW	20
Rated heating output under warmer climate conditions for medium- temperature applications (P rated)	kW	21
Tj = -7 °C heating output, partial load range under colder climate conditions (Pdh)	kW	17,5
Tj = -7 °C heating output, partial load range under average climate conditions (Pdh)	kW	17,5
Tj = 2 °C heating output, partial load range under colder climate conditions (Pdh)	kW	21,6
Tj = 2 °C heating output, partial load range under average climate conditions (Pdh)	kW	21,4
Tj = 2 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	21,0
$T_{j} = 7$ °C heating output, partial load range under colder climate conditions (Pdh)	kW	25,7
Tj = 7 °C heating output, partial load range under average climate conditions (Pdh)	kW	25,6
Tj = 7 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	25,3
Tj = 12 °C heating output, partial load range under colder climate conditions (Pdh)	kW	29,3
Tj = 12 °C heating output, partial load range under average climate conditions (Pdh)	kW	29,2
Tj = 12 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	29,1
Tj = dual mode temperature under colder climate conditions (Pdh)	kW	16,2
Tj = dual mode temperature under average climate conditions (Pdh)	kW	17,5
Tj = dual mode temperature under warmer climate conditions (Pdh)	kW	21,0
Tj = operating temperature limit under colder climate conditions (Pdh)	kW	12,0
Tj = operating temperature limit under average climate conditions (Pdh)	kW	16,3
Tj = operating temperature limit under warmer climate conditions (Pdh)	kW	21,0
Dual mode temperature under colder climate conditions (Tbiv)	°C	-10
Dual mode temperature under average climate conditions (Tbiv)	°C	-7
Dual mode temperature under warmer climate conditions (Tbiv)	°C	2
Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (ηs)	%	124
Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (ηs)	%	138
Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (ηs)	%	156
Tj = -7 °C COP, partial load range under colder climate conditions (COPd)		2,97
Tj = -7 °C COP, partial load range under average climate conditions (COPd)		2,68
Tj = 2 °C COP, partial load range under colder climate conditions (COPd)		3,75
Tj = 2 °C COP, partial load range under average climate conditions (COPd)		3,48
Tj = 2 °C COP, partial load range under warmer climate conditions (COPd)		3,48
Tj = 7 °C COP, partial load range under colder climate conditions (COPd)		4,35
Tj = 7 °C COP, partial load range under average climate conditions (COPd)		4,10
Tj = 7 °C COP, partial load range under warmer climate conditions (COPd)		4,10
Tj = 12 °C COP, partial load range under colder climate conditions (COPd)		4,93
Tj = 12 °C COP, partial load range under average climate conditions (COPd)		479,00

Tj = dual mode temperature under colder climate conditions (COPd)     2,68       Tj = dual mode temperature under average climate conditions (COPd)     2,68       Tj = oular mode temperature under warmer climate conditions (COPd)     1,87       Tj = operating temperature limit under colder climate conditions (COPd)     1,87       Tj = operating temperature limit under average climate conditions (COPd)     2,43       (COPd)     2,43       For air source heat pumps: Tj = -15 °C (if TOL< -20 °C) (COPd)     2,06       Operating temperature limit of heating water under average climate conditions (WTOL)     °C     65       Fower consumption, off-mode (Poff)     W     20       Power consumption, thermostat off-mode (PTO)     W     20       Power consumption, standby state (PSB)     W     20       Power consumption, operating state, with crankcase heating (PCK)     W     3,       Rated heating output of auxiliary heater under average climate conditions (PSUP)     kW     3,       Type of energy supply, auxiliary heater under average climate conditions (PSUP)     dB(A)     58       Sound power level, outdoor     dB(A)     58       Sound power level, indoor     dB(A)     58       Annual energy consumption under average climate conditions for medium-temperature applications (QHE)     kWh/a     18328       Annual energy consumption under average climate conditions for medium-temperature applications (Q			
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)  W  20  Power consumption, off-mode (Poff)  W  20  Power consumption, standby state (PSB)  W  20  Power consumption, operating state, with crankcase heating (PCK)  W  20  Power consumption, operating state, with crankcase heating (PCK)  Type of energy supply, auxiliary heater under average climate conditions (PSUP)  Type of energy supply, auxiliary heater  Untput control  Sound power level, outdoor  Sound power level, outdoor  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)	Tj = dual mode temperature under colder climate conditions (COPd)		2,74
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)  W  20  Power consumption, thermostat off-mode (PTO)  W  20  Power consumption, standby state (PSB)  W  20  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  Dutput control  Sound power level, outdoor  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 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 average climate conditions (COPd)		2,68
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)  Every consumption (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 (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)  kWh/a  2,43  2,6  2,6  2,6  2,6  2,6  2,6  2,6  2,	Tj = dual mode temperature under warmer climate conditions (COPd)		2,68
COPd)     2.43       Tj = operating temperature limit under warmer climate conditions (COPd)     2,43       For air source heat pumps: Tj = -15 °C (if TOL< -20 °C) (COPd)	Tj = operating temperature limit under colder climate conditions (COPd)		1,87
COPd   COPD		_	2,43
Operating temperature limit of heating water under average climate conditions (WTOL)°C65Power consumption, off-mode (Poff)W20Power consumption, thermostat off-mode (PTO)W20Power consumption, standby state (PSB)W20Power consumption, operating state, with crankcase heating (PCK)W0Rated heating output of auxiliary heater under average climate conditions (PSUP)kW3,5Type of energy supply, auxiliary heaterkW3,5Sound power level, outdoordB(A)58Sound power level, indoordB(A)56Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)kWh/a18328Annual energy consumption under average climate conditions for medium-temperature applications (QHE)kWh/a11613Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)kWh/a7073	, , , , , , , , , , , , , , , , , , , ,	<del>-</del>	2,43
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  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)  KWh/a  To73	For air source heat pumps: Tj = -15 °C (if TOL< -20 °C) (COPd)		2,06
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 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		°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  To73	Power consumption, off-mode (Poff)	W	20
Power consumption, operating state, with crankcase heating (PCK) W 3,5  Rated heating output of auxiliary heater under average climate conditions (PSUP)  Type of energy supply, auxiliary heater elektrisch  Output control elektrisch  Sound power level, outdoor dB(A) 58  Sound power level, indoor dB(A) 55  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)	Power consumption, thermostat off-mode (PTO)	W	20
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)  Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)	Power consumption, standby state (PSB)	W	20
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  To73	Power consumption, operating state, with crankcase heating (PCK)	W	0
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  7073	<b>3</b> 1 , 3	kW	3,5
Sound power level, outdoor dB(A) 58 Sound power level, indoor dB(A) 56 Annual energy consumption under colder climate conditions for medium-temperature applications (QHE) kWh/a 18328 Annual energy consumption under average climate conditions for medium-temperature applications (QHE) kWh/a 11613 Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE) kWh/a 7073	Type of energy supply, auxiliary heater		elektrisch
Sound power level, indoor dB(A) 56  Annual energy consumption under colder climate conditions for medium-temperature applications (QHE) kWh/a 18328  Annual energy consumption under average climate conditions for medium-temperature applications (QHE) kWh/a 11613  Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE) kWh/a 7073	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  twh/a  twh/a  7073	Sound power level, outdoor	dB(A)	58
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  twh/a  11613  kWh/a  7073	Sound power level, indoor	dB(A)	56
medium-temperature applications (QHE)  Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)  kWh/a  kWh/a  7073	3, 1	kWh/a	18328
medium-temperature applications (QHE)		kWh/a	11613
Flow rate on heat source side m³/h 8000	3, 1	kWh/a	7073
	Flow rate on heat source side	m³/h	8000