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

Meat source Lut Weterperature heat pump With auxiliary heater Combination heater with heat pump Rated heating output under colder climate conditions for medium-temperature applications (Prated) Rated heating output under average climate conditions for medium-temperature applications (Prated) Rated heating output under average climate conditions for medium-temperature applications (Prated) Rated heating output under average climate conditions for medium-temperature applications (Prated) 15 - 7" Cheating output under warmer climate conditions for medium-temperature applications (Prated) 16 - 7" Cheating output, partial load range under colder climate conditions (Pth) 17 - 18 - 18 - 18 - 18 - 18 - 18 - 18 -			HPA-O 05.2 Plus HC 230
Heat source Low temperature heat pump	Manufacturor	<u>_</u>	STIEDEL ELTRON
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Tj = dual mode temperature under warmer climate conditions (Pdh) kW 3,0 Tj = operating temperature limit under colder climate conditions (Pdh) kW 4,6 Tj = operating temperature limit under average climate conditions (Pdh) kW 5,6 Tj = operating temperature limit under warmer climate conditions (Pdh) kW 5,6 For air source heat pumps: Tj = -15 °C (if TOL< -20 °C) (Pdh) kW 4,1 Dual mode temperature under colder climate conditions (Tbiv) °C -15 Dual mode temperature under average climate conditions (Tbiv) °C -7 Dual mode temperature under warmer climate conditions (Tbiv) °C -7 Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (Ns) 7 Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (Ns) 7 Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (Ns) 7 Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (Ns) 7 Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (Ns) 7 Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (Ns) 7 Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (Ns) 7 Seasonal space heating energy efficiency under warmer climate 7 Seasonal space heating energy efficiency under warmer climate 7 Seasonal space heating energy efficiency under warmer climate 7 Seasonal space heating energy efficiency under warmer climate 7 Seasonal space heating energy efficiency under warmer climate 7 Seasonal space heating energy efficiency under warmer climate 7 Seasonal space heating energy efficiency under warmer climate 7 Seasonal space heating energy efficiency under warmer climate 7 Seasonal space heating energy efficiency under warmer climate 7 Seasonal space heating energy efficiency under w	Tj = dual mode temperature under colder climate conditions (Pdh)	kW	4,1
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Dual mode temperature under warmer climate conditions (Tbiv) °C 2 Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (ηs) % 140 Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (ηs) % 160 Seasonal space heating energy efficiency under warmer climate % 188		•	
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Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (ηs) Seasonal space heating energy efficiency under warmer climate %	Seasonal space heating energy efficiency under colder climate		_
Seasonal space heating energy efficiency under warmer climate	Seasonal space heating energy efficiency under average climate	%	160
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Tj = -7 °C COP, partial load range under colder climate conditions (COPd)	,		3,10
$T_{\rm J}$ = -7 °C COP, partial load range under average climate conditions (COPd) 2,76			2,76
Tj = 2 °C COP, partial load range under colder climate conditions (COPd) 4,21	Tj = 2 °C COP, partial load range under colder climate conditions (COPd)	· · · · · · · · · · · · · · · · · · ·	4,21
Tj = 2 °C COP, partial load range under average climate conditions (COPd) 4,06	,		4,06
Tj = 2 °C COP, partial load range under warmer climate conditions (COPd) 2,92			2,92
Tj = 7 °C COP, partial load range under colder climate conditions (COPd) 5,33	Tj = 7 °C COP, partial load range under colder climate conditions (COPd)		5,33
Tj = 7 °C COP, partial load range under average climate conditions (COPd) 5,11			5,11

Special measures		assembly, installation or maintenance of the room heater, see the installation instructions
Flow rate on heat source side	m³/h	For all special measures to be taken during
Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)	kWh/a	1558
Annual energy consumption under average climate conditions for medium-temperature applications (QHE)	kWh/a	2976
Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)	kWh/a	3436
Sound power level, outdoor	dB(A)	43
Output control		veränderlich
Type of energy supply, auxiliary heater		elektrisch
Rated heating output of auxiliary heater under warmer climate conditions (PSUP)	kW	0,0
Rated heating output of auxiliary heater under average climate conditions (PSUP)	kW	1,2
Rated heating output of auxiliary heater under colder climate conditions (PSUP)	kW	2,0
Power consumption, operating state, with crankcase heating (PCK)	W	0
Power consumption, standby state (PSB)	W	9
Power consumption, thermostat off-mode (PTO)	W	18
Power consumption, off-mode (Poff)	W	9
Operating temperature limit of heating water under warmer climate conditions (WTOL)	°C	75
Operating temperature limit of heating water under average climate conditions (WTOL)	°C	75
Operating temperature limit of heating water under colder climate conditions (WTOL)	°C	75
Operating temperature limit under warmer climate conditions (TOL)	°C	2
Operating temperature limit under average climate conditions (TOL)	°C	-10
Operating temperature limit under colder climate conditions (TOL)	°C	-22
For air source heat pumps: Tj = -15 °C (if TOL< -20 °C) (COPd)		2,44
Tj = operating temperature limit under warmer climate conditions (COPd)		2,92
Tj = operating temperature limit under average climate conditions (COPd)		2,46
Tj = operating temperature limit under colder climate conditions (COPd)		1,83
Tj = dual mode temperature under warmer climate conditions (COPd)		2,92
Tj = dual mode temperature under average climate conditions (COPd)	_	2,76
(COPd) Tj = dual mode temperature under colder climate conditions (COPd)		5,98
Tj = 12 °C COP, partial load range under average climate conditions (COPd) Tj = 12 °C COP, partial load range under warmer climate conditions		6,49
(COPd)		6,68
(COPd) Tj = 12 °C COP, partial load range under colder climate conditions		
Tj = 7 °C COP, partial load range under warmer climate conditions		4,24