

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

		TTL 5.6 ACS
		190739
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	6
Rated heating output under average climate conditions for low-temperature applications (P rated)	kW	5
Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications ( $\eta_{\text{S}}$ )	%	151
Seasonal space heating energy efficiency under average climate conditions for low-temperature applications ( $\eta$ s)	%	185
Annual energy consumption under average climate conditions for medium-temperature applications (QHE)	kWh/a	3021
Annual energy consumption under average climate conditions for low-temperature applications (QHE)	kWh/a	2415
Sound power level, indoor	dB(A)	0
Rated heating output under colder climate conditions for medium-temperature applications (P rated)	kW	8
Rated heating output under colder climate conditions for low-temperature applications (P rated)	kW	8
Rated heating output under warmer climate conditions for medium-temperature applications (P rated)	kW	3
Rated heating output under warmer climate conditions for low-temperature applications (P rated)	kW	3
Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications ( $\eta_s$ )	%	126
Seasonal space heating energy efficiency under colder climate conditions for low-temperature applications ( $\eta_{\text{S}}$ )	%	151
Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications ( $\eta$ s)	%	143
Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications ( $\eta_s$ )	%	208
Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)	kWh/a	5927
Annual energy consumption under colder climate conditions for low-temperature applications (QHE)	kWh/a	5239
Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)	kWh/a	1085
Annual energy consumption under warmer climate conditions for low-temperature applications (QHE)	kWh/a	768
Sound power level, outdoor	dB(A)	48
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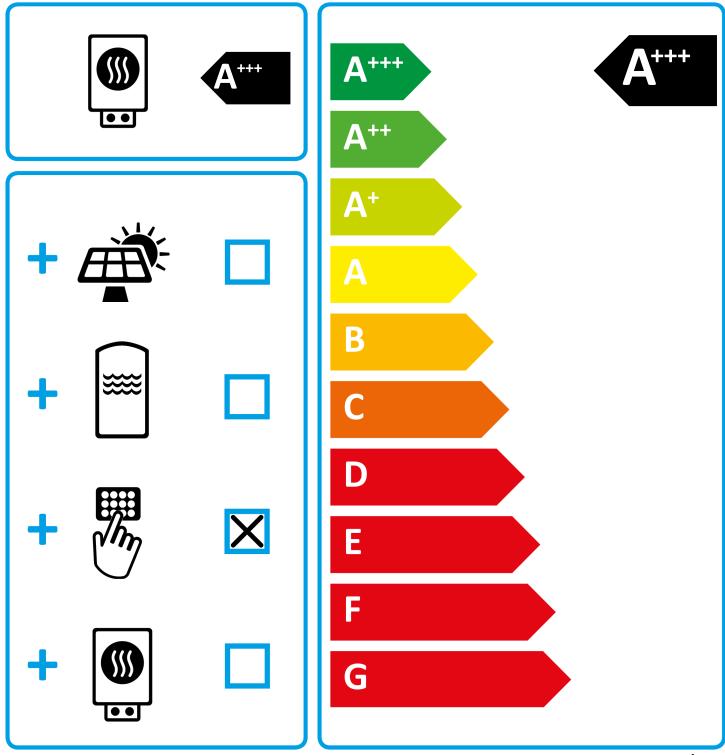




### TTL 5.6 ACS

# tecalor

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		190739
Manufacturer		tecalor
Seasonal space heating energy efficiency under average climate conditions for low-temperature applications ( $\eta$ s)	%	185
Temperature control class		VI
Contribution of temperature control to space heating energy efficiency	%	4
Space heating energy efficiency of package under average climate conditions	%	155
Space heating energy efficiency of package under colder climate conditions	%	130
Space heating energy efficiency of package under warmer climate conditions	%	147
Value of differential between space heating energy efficiency under average climate conditions and that under colder climate conditions	%	25
Value of differential between space heating energy efficiency under warmer climate conditions and that under average climate conditions	%	8
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)

Image: control in the second			TTL 5.6 ACS
Heat source     Außenluft       Low temperature heat pump     X       Camination heater with heat pump     X       Camination heater with heat pump     X       Thead heating output under coder clinate conditions for medium- temperature applications (P rated)     X       Rated heating output under coder clinate conditions for medium- temperature applications (P rated)     XW     6       Rated heating output under verrenge climate conditions for medium- temperature applications (P rated)     XW     4       1 = -7 °C heating output, partial load range under coder climate conditions (Pdh)     XW     5.0       1 = -7 °C heating output, partial load range under coder climate     XW     3.0       1 = -7 °C heating output, partial load range under average climate     XW     3.0       1 = -7 °C heating output, partial load range under average climate     XW     3.0       1 = -7 °C heating output, partial load range under average climate     XW     3.0       1 = -7 °C heating output, partial load range under average climate     XW     3.0       1 = -7 °C heating output, partial load range under average climate     XW     3.0       1 = -7 °C heating output, partial load range under average climate     XW     3.0       1 = -7 °C heating out			190739
Low temperature heat pump     A       With auxiliary heater     A       Cambination heating output under coller climate conditions for medium- temperature applications (P relations)     N       Rated heating output under average climate conditions for medium- temperature applications (P relations)     W     B       Rated heating output under average climate conditions for medium- temperature applications (P relations)     W     G       Tig = 7.7 Cheating output, partial load range under coller climate     KW     4.7       Conditions (P/M)     Tig = 7.7 Cheating output, partial load range under average climate     KW     2.9       Conditions (P/M)     Tig = 7.7 Cheating output, partial load range under average climate     KW     3.0       Conditions (P/M)     Tig = 7.7 Cheating output, partial load range under average climate     KW     3.0       Conditions (P/M)     Tig = 7.7 Cheating output, partial load range under average climate     KW     3.0       Tig = 7.7 Cheating output, partial load range under average climate     KW     3.0       Tig = 7.7 Cheating output, partial load range under average climate     KW     3.0       Tig = 7.7 Cheating output, partial load range under average climate     KW     3.0       Tig = 7.7 Cheating output, partial load range u	Manufacturer		tecalor
With souting heater     x       Combination heater with heat pump	Heat source		Außenluft
combination heater with heat pump     -       traded heating output under colder climate conditions for medium- temperature applications (P rated)     KW     8       trade heating output under vareage climate conditions for medium- temperature applications (P rated)     KW     3       1 - 7C heating output under vareage climate conditions for medium- temperature applications (P rated)     KW     4,7       1 - 7C heating output, patial load range under colder climate conditions (P th)     KW     5,0       1 - 7C heating output, patial load range under colder climate conditions (P th)     KW     2,9       1 - 7 C heating output, patial load range under average climate conditions (P th)     KW     3,0       1 - 2 * C heating output, patial load range under average climate conditions (P th)     KW     3,0       1 - 2 * C heating output, patial load range under average climate conditions (P th)     KW     3,0       1 - 7 * C heating output, patial load range under outer average climate conditions (P th)     KW     3,0       1 - 7 * C heating output, patial load range under average climate conditions (P th)     KW     3,0       1 - 7 * C heating output, patial load range under average climate conditions (P th)     KW     3,0       1 - 2 * C heating output, patial load range under average climate conditions (P th)     KW <t< td=""><td></td><td></td><td>-</td></t<>			-
Patch heating output under colder climate conditions for medium- temperature applications (Prated)     KW     8       Rated heating output under average climate conditions for medium- temperature applications (Prated)     KW     3       Ti = 7 * Cheating output, partial load range under colder climate conditions (Pdh)     KW     47       Ti = 7 * Cheating output, partial load range under average climate conditions (Pdh)     KW     5.0       Ti = 2 * Cheating output, partial load range under average climate conditions (Pdh)     KW     3.0       Ti = 2 * Cheating output, partial load range under average climate conditions (Pdh)     KW     3.0       Ti = 2 * Cheating output, partial load range under average climate conditions (Pdh)     KW     3.0       Ti = 2 * Cheating output, partial load range under colder climate conditions (Pdh)     KW     3.0       Ti = 7 * Cheating output, partial load range under colder climate conditions (Pdh)     KW     3.0       Ti = 7 * Cheating output, partial load range under colder climate conditions (Pdh)     KW     3.0       Ti = 7 * Cheating output, partial load range under average climate conditions (Pdh)     KW     3.0       Ti = 1 * Cheating output, partial load range under average climate conditions (Pdh)     KW     3.6       Ti = 1 * Cheating output, partial load range under average climate co	With auxiliary heater		<u>x</u>
temperature applications (Prated)     KM     o       Radde heating output under average climate conditions for medium- temperature applications (Prated)     KW     6       Radde heating output, under average climate conditions for medium- temperature applications (Prated)     KW     4,7       I = -7* Cheating output, partial load range under colder climate     KW     4,7       I = -7* Cheating output, partial load range under average climate     KW     2,9       To adtions (Pdh)     KW     3,0     3       T = 2 * Cheating output, partial load range under average climate     KW     3,0       Conditions (Pdh)     3,0     3,0     3,0       T = 2 * Cheating output, partial load range under average climate     KW     3,0       Conditions (Pdh)     3,0     3,0     3,0       T = 7 * Cheating output, partial load range under colder climate     KW     3,0       Conditions (Pdh)     A,0     3,0     3,0       T = 7 * Cheating output, partial load range under average climate     KW     3,0       Conditions (Pdh)     A,0     3,0     3,0       T = 2 * Cheating output, partial load range under average climate     KW     3,6 <t< td=""><td></td><td></td><td>-</td></t<>			-
temperature applications (P rated)     KV     0       Rated heading output under varimer climate conditions for medium- temperature applications (P rated)     KW     3       I = -7 *C heating output, partial load range under colder climate     KW     4.7       I = -7 *C heating output, partial load range under colder climate     KW     2.9       Conditions (Pdh)     KW     3.0       I = 2 *C heating output, partial load range under average climate     KW     3.0       I = 2 *C heating output, partial load range under average climate     KW     3.0       I = 2 *C heating output, partial load range under colder climate     KW     3.0       I = 2 *C heating output, partial load range under average climate     KW     3.0       Conditions (Pdh)     Darial cold trange under average climate     KW     3.0       Conditions (Pdh)     Darial cold trange under average climate     KW     3.0       Conditions (Pdh)     Darial cold trange under average climate     KW     3.0       Conditions (Pdh)     Darial cold trange under average climate     KW     3.6       Conditions (Pdh)     Darial cold trange under average climate     KW     3.6       Conditions (Pdh)		kW	8
temperature applications (P rated)     KW     9       Import of the problem o		kW	6
Conditions (Pdh)   KV   1,7     I = - 7 C heating output, partial load range under average climate   KW   2,9     T = 2 C heating output, partial load range under average climate   KW   3,0     T = 2 C heating output, partial load range under average climate   KW   3,0     Conditions (Pdh)   S,0   3,0   3,0     T = 2 C C heating output, partial load range under average climate   KW   3,0     Conditions (Pdh)   S,0   3,0   3,0     T = 7 C heating output, partial load range under colder climate   KW   3,0     Conditions (Pdh)   S,0   3,0   3,0     T = 7 C heating output, partial load range under average climate   KW   3,0     Conditions (Pdh)   KW   3,0   3,0     T = 12 C heating output, partial load range under average climate   KW   3,6     T = 12 C heating output, partial load range under average climate   KW   3,6     T = 12 C heating output, partial load range under average climate   KW   3,6     T = 4 and mode temperature under average climate conditions (Pdh)   KW   3,6     T = 4 dual mode temperature under average climate conditions (Pdh)   KW   3,0		kW	3
conditions (Pdh)   KW   2.9     Tj = 2 C The chaing output, partial load range under outer average climate   KW   3.0     Tj = 2 C The chaing output, partial load range under average climate   KW   3.0     Conditions (Pdh)   KW   3.0     Tj = 7 C The basting output, partial load range under outler climate   KW   3.0     Conditions (Pdh)   S.0   3.0     Tj = 7 C The basting output, partial load range under average climate   KW   3.0     Conditions (Pdh)   S.0   3.0   3.0     Tj = 7 C The basting output, partial load range under average climate   KW   3.0     Conditions (Pdh)   KW   3.0   3.0     Tj = 12 C The basting output, partial load range under average climate   KW   3.6     Conditions (Pdh)   KW   3.6   3.6     Tj = 12 C The basting output, partial load range under average climate conditions (Pdh)   KW   3.6     Tj = 12 C The basting output, partial load range under average climate conditions (Pdh)   KW   3.5     Tj = dual mode temperature under average climate conditions (Pdh)   KW   3.0     Tj = dual mode temperature limit under average climate conditions (Pdh)   KW   3.0		kW	4,7
conditions (Pdh)   KN   2.79     In = 2 ° Cheating output, partial load range under average climate conditions (Pdh)   KW   3.0     In = 7 ° Cheating output, partial load range under colder climate conditions (Pdh)   KW   3.1     In = 7 ° Cheating output, partial load range under average climate conditions (Pdh)   KW   3.0     In = 7 ° Cheating output, partial load range under average climate conditions (Pdh)   KW   3.0     In = 7 ° Cheating output, partial load range under colder climate conditions (Pdh)   KW   3.6     In = 1 ° Cheating output, partial load range under average climate conditions (Pdh)   KW   3.6     In = 1 ° Cheating output, partial load range under average climate conditions (Pdh)   KW   3.6     In = 1 ° Cheating output, partial load range under average climate conditions (Pdh)   KW   3.6     In = 1 ° Cheating output, partial load range under average climate conditions (Pdh)   KW   3.6     In = 4 ° Cheating output, partial load range under average climate conditions (Pdh)   KW   3.0     In = 4 ° Cheating output, partial load range under colder climate conditions (Pdh)   KW   3.0     In = dual mode temperature under average climate conditions (Pdh)   KW   3.0     In = operating temperature limit under average climate conditions (Pdh)		kW	5,0
conditions (Pdh)   KN   3.0     Ti = 2 °C heating output, partial load range under colder climate conditions (Pdh)   KW   3.0     Ti = 7 °C heating output, partial load range under average climate conditions (Pdh)   KW   3.0     Ti = 7 °C heating output, partial load range under average climate conditions (Pdh)   KW   3.0     Ti = 7 °C heating output, partial load range under colder climate conditions (Pdh)   KW   3.0     Ti = 12 °C heating output, partial load range under average climate conditions (Pdh)   KW   3.6     Ti = 12 °C heating output, partial load range under average climate conditions (Pdh)   KW   3.6     Ti = 12 °C heating output, partial load range under average climate conditions (Pdh)   KW   3.6     Ti = 12 °C heating output, partial load range under average climate conditions (Pdh)   KW   3.6     Ti = 4 cual mode temperature under colder climate conditions (Pdh)   KW   3.5     Ti = dual mode temperature under average climate conditions (Pdh)   KW   3.0     Ti = operating temperature limit under average climate conditions (Pdh)   KW   3.0     Ti = operating temperature limit under average climate conditions (Pdh)   KW   3.0     Ti = operating temperature limit under average climate conditions (Pdh)   KW   3.0		kW	2,9
conditions (Pdh)     KW     3.0       Ti = 7 * Cheating output, partial load range under colder climate conditions (Pdh)     KW     3.1       Ti = 7 * Cheating output, partial load range under average climate conditions (Pdh)     KW     3.0       Ti = 7 * Cheating output, partial load range under average climate conditions (Pdh)     KW     3.0       Ti = 12 * Cheating output, partial load range under average climate conditions (Pdh)     KW     3.6       Ti = 12 * Cheating output, partial load range under average climate conditions (Pdh)     KW     3.6       Ti = 12 * Cheating output, partial load range under average climate conditions (Pdh)     KW     3.6       Ti = 12 * Cheating output, partial load range under average climate conditions (Pdh)     KW     3.6       Ti = dual mode temperature under colder climate conditions (Pdh)     KW     3.0       Ti = dual mode temperature under average climate conditions (Pdh)     KW     3.0       Ti = operating temperature limit under average climate conditions (Pdh)     KW     3.0       Ti = operating temperature limit under average climate conditions (Pdh)     KW     3.0       Ti = operating temperature limit under average climate conditions (Pdh)     KW     3.0       Ti = operating temperature limit under average climate conditions (		kW	3,0
conditions (Pdh)   kW   5.1     Tj = 7 °C heating output, partial load range under average climate conditions (Pdh)   8.0   3.0     Tj = 7 °C heating output, partial load range under varmer climate conditions (Pdh)   8.0   3.6     Tj = 12 °C heating output, partial load range under average climate conditions (Pdh)   8.0   3.6     Tj = 12 °C heating output, partial load range under average climate conditions (Pdh)   8.0   3.6     Tj = 12 °C heating output, partial load range under average climate conditions (Pdh)   8.0   3.6     Tj = 12 °C heating output, partial load range under average climate conditions (Pdh)   8.0   3.6     Tj = 4 cul mode temperature under colder climate conditions (Pdh)   8.0   4.7     Tj = dual mode temperature under average climate conditions (Pdh)   8.0   3.0     Tj = operating temperature limit under average climate conditions (Pdh)   8.0   3.0     Tj = operating temperature limit under average climate conditions (Pdh)   8.0   3.0     Tj = operating temperature limit under average climate conditions (Pdh)   8.0   3.0     Tj = operating temperature under vareage climate conditions (Pdh)   8.0   3.0     Tj = operating temperature under vareage climate conditions (Pdh)   8.0   3.0     Dual		kW	3,0
conditions (Pdh)   KW   5.0     Tj = 7 °C heating output, partial load range under varmer climate   kW   2.7     Conditions (Pdh)   KW   3.6     Tj = 12 °C heating output, partial load range under average climate   kW   3.6     Conditions (Pdh)   KW   3.6     Tj = 12 °C heating output, partial load range under average climate   kW   3.6     Conditions (Pdh)   Tj = 4 Cabaing output, partial load range under average climate   kW   3.5     Tj = dual mode temperature under colder climate conditions (Pdh)   kW   4.7   3.6     Tj = dual mode temperature under average climate conditions (Pdh)   kW   3.0   3.0     Tj = operating temperature limit under average climate conditions (Pdh)   kW   3.0   3.0     Tj = operating temperature limit under average climate conditions (Pdh)   kW   3.0   3.0     Tj = operating temperature limit under average climate conditions (Pdh)   kW   3.0   3.0     Tj = operating temperature limit under average climate conditions (Pdh)   kW   3.0   3.0     For air source heat pumps: Tj = -15 °C (ff TOL < -20 °C) (Pdh)		kW	3,1
conditions (Pdh)   KW   2.7     Tj = 12 °C heating output, partial load range under colder climate conditions (Pdh)   KW   3.6     Tj = 12 °C heating output, partial load range under average climate conditions (Pdh)   KW   3.6     Tj = 12 °C heating output, partial load range under average climate conditions (Pdh)   KW   3.5     Tj = dual mode temperature under colder climate conditions (Pdh)   KW   4.7     Tj = dual mode temperature under average climate conditions (Pdh)   KW   3.0     Tj = dual mode temperature under average climate conditions (Pdh)   KW   3.0     Tj = operating temperature limit under average climate conditions (Pdh)   KW   3.0     Tj = operating temperature limit under average climate conditions (Pdh)   KW   3.0     Tj = operating temperature limit under average climate conditions (Pdh)   KW   3.0     Tj = operating temperature limit under average climate conditions (Pdh)   KW   3.0     Tj = operating temperature limit under average climate conditions (Pdh)   KW   3.0     Tj = operating temperature limit under average climate conditions (Pdh)   KW   3.0     Dual mode temperature under average climate conditions (Pdh)   KW   3.0     Dual mode temperature under average climate conditions (Tbiv		kW	3,0
conditions (Pdh)KW5.0Tj = 12 °C heating output, partial load range under average climate conditions (Pdh)KW3.6Tj = 12 °C heating output, partial load range under warmer climate conditions (Pdh)KW3.5Tj = dual mode temperature under colder climate conditions (Pdh)KW4.7Tj = dual mode temperature under average climate conditions (Pdh)KW5.0Tj = dual mode temperature under average climate conditions (Pdh)KW5.0Tj = dual mode temperature limit under colder climate conditions (Pdh)KW3.0Tj = operating temperature limit under average climate conditions (Pdh)KW4.1Tj = operating temperature limit under average climate conditions (Pdh)KW4.1Tj = operating temperature limit under average climate conditions (Pdh)KW3.0Tj = operating temperature limit under average climate conditions (Pdh)KW3.6Dual mode temperature under average climate conditions (Pdh)KW3.6Dual mode temperature under colder climate conditions (Pdh)KW3.6Dual mode temperature under average climate conditions (Pbh)KW3.6Dual mode temperature under average climate conditions (Pbh)KW3.6Dual mode temperature under average climate conditions (Pbh)KW3.6Dual mode temperature under colder climate conditions (Pbh)KW3.6Dual mode temperature under average climate conditions (Pbh)KW3.6Dual mode temperature under average climate conditions (Pbh)%3.6Dual mode temperature under average		kW	2,7
conditions (Pdh)KW5.0Tj = 12 °C heating output, partial load range under warmer climate conditions (Pdh)KW3.5Tj = dual mode temperature under colder climate conditions (Pdh)KW4.7Tj = dual mode temperature under average climate conditions (Pdh)KW5.0Tj = dual mode temperature under average climate conditions (Pdh)KW3.0Tj = operating temperature limit under colder climate conditions (Pdh)KW3.0Tj = operating temperature limit under average climate conditions (Pdh)KW4.1Tj = operating temperature limit under average climate conditions (Pdh)KW3.0For air source heat pumps: Tj = -15 °C (if TOL< -20 °C) (Pdh)		kW	3,6
conditions (Pdh)KW3.3Tj = dual mode temperature under colder climate conditions (Pdh)KW4.7Tj = dual mode temperature under average climate conditions (Pdh)KW5.0Tj = dual mode temperature under warmer climate conditions (Pdh)KW3.0Tj = operating temperature limit under colder climate conditions (Pdh)KW2.6Tj = operating temperature limit under average climate conditions (Pdh)KW3.0Tj = operating temperature limit under average climate conditions (Pdh)KW3.0Tj = operating temperature limit under average climate conditions (Pdh)KW3.0For air source heat pumps: Tj = 15 °C (If TOL< - 20 °C) (Pdh)		kW	3,6
Tj = dual mode temperature under average climate conditions (Pdh)kW5,0Tj = dual mode temperature under warmer climate conditions (Pdh)kW3,0Tj = operating temperature limit under colder climate conditions (Pdh)kW2,6Tj = operating temperature limit under average climate conditions (Pdh)kW4,1Tj = operating temperature limit under average climate conditions (Pdh)kW4,1Tj = operating temperature limit under average climate conditions (Pdh)kW3,6Dual mode temperature under older climate conditions (Pbh)kW3,6Dual mode temperature under older climate conditions (Tbiv)°C-7Dual mode temperature under average climate conditions (Tbiv)°C-7Dual mode temperature under average climate conditions (Tbiv)°C2Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (Tps)%126Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (Tps)%143Tj = -7 °C COP, partial load range under colder climate conditions (COPd)2,942,94Tj = 2 °C COP, partial load range under average climate conditions (COPd)3,803,80Tj = -2 °C COP, partial load range under average climate conditions (COPd)3,803,80Tj = 2 °C COP, partial load range under average climate conditions (COPd)3,803,80Tj = 2 °C COP, partial load range under average climate conditions (COPd)3,803,80Tj = 2 °C COP, partial load range under average c		kW	3,5
Tj = dual mode temperature under warmer climate conditions (Pdh)kW3,0Tj = operating temperature limit under colder climate conditions (Pdh)kW2,6Tj = operating temperature limit under average climate conditions (Pdh)kW4,1Tj = operating temperature limit under warmer climate conditions (Pdh)kW3,0For air source heat pumps: Tj = -15 °C (if TOL< -20 °C) (Pdh)	Tj = dual mode temperature under colder climate conditions (Pdh)	kW	4,7
Tj= operating temperature limit under colder climate conditions (Pdh)kW2,6Tj= operating temperature limit under average climate conditions (Pdh)kW4,1Tj= operating temperature limit under warmer climate conditions (Pdh)kW3,0For air source heat pumps: Tj= -15 °C (if TOL<- 20 °C) (Pdh)	Tj = dual mode temperature under average climate conditions (Pdh)	kW	5,0
Tj= operating temperature limit under average climate conditions (Pdh)kW4,1Tj= operating temperature limit under warmer climate conditions (Pdh)kW3,0For air source heat pumps: Tj= -15 °C (if TOL < -20 °C) (Pdh)	Tj = dual mode temperature under warmer climate conditions (Pdh)	kW	3,0
Tj = operating temperature limit under warmer climate conditions (Pdh)kW3,0For air source heat pumps: Tj = -15 °C (if TOL< -20 °C) (Pdh)	Tj = operating temperature limit under colder climate conditions (Pdh)	kW	2,6
For air source heat pumps: Tj = -15 °C (if TOL< -20 °C) (Pdh)kW3,6Dual mode temperature under colder climate conditions (Tbiv)°C-7Dual mode temperature under average climate conditions (Tbiv)°C-7Dual mode temperature under average climate conditions (Tbiv)°C2Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (Ŋs)%126Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (Ŋs)%151Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (Ŋs)%143Tj = -7 °C COP, partial load range under colder climate conditions (COPd)2,942,94Tj = -2 °C COP, partial load range under colder climate conditions (COPd)3,803,80Tj = 2 °C COP, partial load range under average climate conditions (COPd)3,803,80Tj = 2 °C COP, partial load range under average climate conditions (COPd)3,80Tj = 2 °C COP, partial load range under average climate conditions (COPd)3,80	Tj = operating temperature limit under average climate conditions (Pdh)	kW	4,1
Dual mode temperature under colder climate conditions (Tbiv)°C-7Dual mode temperature under average climate conditions (Tbiv)°C-7Dual mode temperature under warmer climate conditions (Tbiv)°C2Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (Tjs)%126Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (Tjs)%151Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (Tjs)%151Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (Tjs)%143Tj = -7 °C COP, partial load range under colder climate conditions (COPd)2,942,64Tj = -7 °C COP, partial load range under average climate conditions (COPd)4,303,80Tj = 2 °C COP, partial load range under average climate conditions (COPd)3,802,86Tj = 2 °C COP, partial load range under average climate conditions (COPd)3,802,86	Tj = operating temperature limit under warmer climate conditions (Pdh)	kW	3,0
Dual mode temperature under average climate conditions (Tbiv)°C-7Dual mode temperature under warmer climate conditions (Tbiv)°C2Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (Ips)%126Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (Ips)%151Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (Ips)%143Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (Ips)%143Tj = -7 °C COP, partial load range under colder climate conditions (COPd)2,942,64Tj = -7 °C COP, partial load range under average climate conditions (COPd)4,304,30Tj = 2 °C COP, partial load range under colder climate conditions (COPd)3,803,80Tj = 2 °C COP, partial load range under average climate conditions (COPd)2,86	For air source heat pumps: Tj = -15 °C (if TOL< -20 °C) (Pdh)	kW	3,6
Dual mode temperature under warmer climate conditions (Tbiv)°C2Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (I)s)%126Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (I)s)%151Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (I)s)%151Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (I)s)%143Tj = -7 °C COP, partial load range under colder climate conditions (COPd)2,942,94Tj = -7 °C COP, partial load range under average climate conditions (COPd)4,303,80Tj = 2 °C COP, partial load range under average climate conditions (COPd)3,803,80Tj = 2 °C COP, partial load range under average climate conditions (COPd)3,803,80Tj = 2 °C COP, partial load range under average climate conditions (COPd)2,863,80	Dual mode temperature under colder climate conditions (Tbiv)	°C	-7
Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (ηs)%126Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (ηs)%151Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (ηs)%143Tj = -7 °C COP, partial load range under colder climate conditions (COPd)2,942,94Tj = -7 °C COP, partial load range under average climate conditions (COPd)2,642,64Tj = 2 °C COP, partial load range under colder climate conditions (COPd)3,803,80Tj = 2 °C COP, partial load range under average climate conditions (COPd)3,803,80Tj = 2 °C COP, partial load range under warmer climate conditions (COPd)2,863,80	Dual mode temperature under average climate conditions (Tbiv)	°C	-7
conditions for medium-temperature applications (Ŋs)%126Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (Ŋs)%151Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (Ŋs)%143Tj = -7 °C COP, partial load range under colder climate conditions (COPd)2,942,94Tj = -7 °C COP, partial load range under average climate conditions (COPd)2,644,30Tj = 2 °C COP, partial load range under colder climate conditions (COPd)3,803,80Tj = 2 °C COP, partial load range under average climate conditions (COPd)3,803,80Tj = 2 °C COP, partial load range under warmer climate conditions (COPd)3,803,80Tj = 2 °C COP, partial load range under average climate conditions (COPd)2,863,80	Dual mode temperature under warmer climate conditions (Tbiv)	°C	2
conditions for medium-temperature applications (ηs)%151Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (ηs)%143Tj = -7 °C COP, partial load range under colder climate conditions (COPd)2,942,94Tj = -7 °C COP, partial load range under average climate conditions (COPd)2,642,64Tj = 2 °C COP, partial load range under colder climate conditions (COPd)4,304,30Tj = 2 °C COP, partial load range under average climate conditions (COPd)3,803,80Tj = 2 °C COP, partial load range under average climate conditions (COPd)2,863,80		%	126
conditions for medium-temperature applications (Ŋs)70143Tj = -7 °C COP, partial load range under colder climate conditions (COPd)2,94Tj = -7 °C COP, partial load range under average climate conditions (COPd)2,64Tj = 2 °C COP, partial load range under colder climate conditions (COPd)4,30Tj = 2 °C COP, partial load range under average climate conditions (COPd)3,80Tj = 2 °C COP, partial load range under average climate conditions (COPd)3,80Tj = 2 °C COP, partial load range under average climate conditions (COPd)2,86		%	151
(COPd)   2,94     Tj = -7 °C COP, partial load range under average climate conditions   2,64     (COPd)   4,30     Tj = 2 °C COP, partial load range under colder climate conditions (COPd)   4,30     Tj = 2 °C COP, partial load range under average climate conditions   3,80     (COPd)   7j = 2 °C COP, partial load range under average climate conditions   2,86     Tj = 2 °C COP, partial load range under warmer climate conditions   2,86		%	143
(COPd)   2,04     Tj = 2 °C COP, partial load range under colder climate conditions (COPd)   4,30     Tj = 2 °C COP, partial load range under average climate conditions (COPd)   3,80     Tj = 2 °C COP, partial load range under warmer climate conditions (COPd)   2,86			2,94
Tj = 2 °C COP, partial load range under average climate conditions   3,80     (COPd)   Tj = 2 °C COP, partial load range under warmer climate conditions   2,86     (COPd)   2,86			2,64
(COPd) 3,80   Tj = 2 °C COP, partial load range under warmer climate conditions 2,86   (COPd) 2,86	Tj = 2 $^{\circ}$ C COP, partial load range under colder climate conditions (COPd)		4,30
(COPd) 2,60			3,80
Ti = $7 ^{\circ}\text{C}$ COP partial load range under colder climate conditions (COPd) 5.42			2,86
j / Coor, partial load range and colder enhate conditions (cord)	Tj = 7 °C COP, partial load range under colder climate conditions (COPd)		5,42
Tj = 7 °C COP, partial load range under average climate conditions 4,84 (COPd)			4,84

Tj = 7 °C COP, partial load range under warmer climate conditions (COPd)		3,61
Tj = 12 °C COP, partial load range under colder climate conditions (COPd)		6,56
Tj = 12 °C COP, partial load range under average climate conditions (COPd)		6,09
Tj = 12 °C COP, partial load range under warmer climate conditions (COPd)		5,33
Tj = dual mode temperature under colder climate conditions (COPd)		2,94
Tj = dual mode temperature under average climate conditions (COPd)		2,64
Tj = dual mode temperature under warmer climate conditions (COPd)		2,86
Tj = operating temperature limit under colder climate conditions (COPd)		1,57
Tj = operating temperature limit under average climate conditions (COPd)		2,22
Tj = operating temperature limit under warmer climate conditions (COPd)		2,86
For air source heat pumps: Tj = -15 °C (if TOL< -20 °C) (COPd)		2,20
Operating temperature limit under colder climate conditions (TOL)	°C	-22
Operating temperature limit under average climate conditions (TOL)	°C	-10
Operating temperature limit under warmer climate conditions (TOL)	°C	2
Operating temperature limit of heating water under colder 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 warmer climate conditions (WTOL)	°C	75
Power consumption, off-mode (Poff)	W	12
Power consumption, thermostat off-mode (PTO)	W	10
Power consumption, standby state (PSB)	W	12
Power consumption, operating state, with crankcase heating (PCK)	W	10
Rated heating output of auxiliary heater under colder climate conditions (PSUP)	kW	5,2
Rated heating output of auxiliary heater under average climate conditions (PSUP)	kW	1,5
Rated heating output of auxiliary heater under warmer climate conditions (PSUP)	kW	0,0
Type of energy supply, auxiliary heater		elektrisch
Output control		veränderlich
Sound power level, outdoor	dB(A)	48
Sound power level, indoor	dB(A)	0
Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)	kWh/a	5927
Annual energy consumption under average climate conditions for medium-temperature applications (QHE)	kWh/a	3021
Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)	kWh/a	1085
Flow rate on heat source side	m³/h	2250