Required details about room heater and combi heater with heat pump to regulation (EU) no. 813/2013 & 811/2013

Manufacturer Hast source With booster heater Combi bolier with heat pump			HPA-O 10 Premium
Heat source With booselr heater Rated heating output in colder climates for average temperature applications (Premium quutum in colder climates for average temperature) Rated heating output in women climates for average temperature applications (Premium deviate climates for average temperature) Rated heating output in women climates for average temperature applications (Prated) 12 Rated heating output in women climates for average temperature applications (Prated) 13 13 15 17 17 17 17 17 17 17 17 17	Manufacture		
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Combi boller with heat pump Rated healting output in colder climates for average temperature kW 17 applications (Phalad) Rote healting output in colder climates for average temperature kW 18 applications (Phalad) Rote healting output in moderate climates for average temperature kW 8 8 applications (Phalad) Rote healting output in warmer climates for average temperature kW 10.5 Rote healting output, partial load range in colder climates (Pdh) kW 10.1 17 7 -7 Cheating output, partial load range in colder climates (Pdh) kW 10.7 17 2 -7 Cheating output, partial load range in colder climates (Pdh) kW 10.7 17 2 -7 Cheating output, partial load range in colder climates (Pdh) kW 7.1 17 2 -7 Cheating output, partial load range in colder climates (Pdh) kW 8.1 17 2 -7 Cheating output, partial load range in colder climates (Pdh) kW 8.1 17 17 17 17 17 17 18 18			
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applications (Prated) -7 °C heating output, partial load range in colder climates (Pdh) kW 10.1 -7 °C heating output, partial load range in warmer climates (Pdh) kW 10.7 -7 °C heating output, partial load range in warmer climates (Pdh) kW 10.7 -7 °C heating output, partial load range in colder climates (Pdh) kW 7.7 -7 °C heating output, partial load range in colder climates (Pdh) kW 8.4 -7 °C heating output, partial load range in warmer climate (Pdh) kW 8.3 -7 °C heating output, partial load range in warmer climate (Pdh) kW 8.3 -7 °C heating output, partial load range in warmer climates (Pdh) kW 8.3 -7 °C heating output, partial load range in colder climates (Pdh) kW 6.1 -7 °C heating output, partial load range in warmer climates (Pdh) kW 6.1 -7 °C heating output, partial load range in warmer climates (Pdh) kW 6.3 -7 °C heating output, partial load range in warmer climates (Pdh) kW 6.3 -7 °C heating output, partial load range in warmer climates (Pdh) kW 6.3 -7 °C heating output, partial load range in oelder climates (Pdh) kW 6.3 -7 °C heating output, partial load range in warmer climates (Pdh) kW 6.3 -7 °C heating output, partial load range in warmer climates (Pdh) kW 6.3 -7 °C heating output, partial load range in warmer climates (Pdh) kW 9.0 -7 °C heating output, partial load range in warmer climates (Pdh) kW 9.0 -7 °C heating output, partial load range in warmer climates (Pdh) kW 9.0 -7 °C heating output, partial load range in warmer climates (Pdh) kW 9.0 -7 °C heating output, partial load range in warmer climates (Pdh) kW 9.0 -7 °C heating output, partial load range in warmer climates (Pdh) kW 9.0 -7 °C heating output, partial load range in warmer climates (Pdh) kW 9.0 -7 °C heating output, partial load range in warmer climates (Pdh) kW 9.0 -7 °C warmer climates (Pdh) kW 9.0 -7 °C warmer climates (Pdh) kW 9.0 -7 °C warmer cli	applications (Prated)	kW	12
Tj. = 7° Ch hosting output, partial load range under moderate climatic conditions (Pdh) kW 10.6 Tj. = 2° Ch hosting output, partial load range in warmer climates (Pdh) kW 7.1 Tj. = 2° Cheating output, partial load range in colder climates (Pdh) kW 8.4 15 = 2° Cheating output, partial load range in moderate climatic conditions (Pdh) kW 8.8 1j. = 7° Cheating output, partial load range in warmer climates (Pdh) kW 6.1 1j. = 7° Cheating output, partial load range in colder climates (Pdh) kW 6.1 Tj. = 7° Cheating output, partial load range in colder climates (Pdh) kW 6.3 Tj. = 7° Cheating output, partial load range in warmer climates (Pdh) kW 6.3 Tj. = 12° Cheating output, partial load range in warmer climates (Pdh) kW 6.3 Tj. = 12° Cheating output, partial load range in colder climates (Pdh) kW 6.3 Tj. = 12° Cheating output, partial load range in warmer climates (Pdh) kW 9.0 Tj. = 12° Cheating output, partial load range in warmer climates (Pdh) kW 9.0 Tj. = 12° Cheating output, partial load range in warmer climates (Pdh) kW 9.0 Tj. = 12° Cheating output, partial load range in warmer climates (Pdh) <td>applications (Prated)</td> <td>kW</td> <td>8</td>	applications (Prated)	kW	8
conditions (Pdh) 17 °C heating output, partial load range in warmer climates (Pdh) 17 °C heating output, partial load range in colder climates (Pdh) 1-2 °C heating output, partial load range in colder climates (Pdh) 1-2 °C heating output, partial load range in colder climates (Pdh) 1-2 °C heating output, partial load range in warmer climates (Pdh) 1-2 °C heating output, partial load range in warmer climates (Pdh) 1-3 °C heating output, partial load range in colder climates (Pdh) 1-4 °C heating output, partial load range under moderate climates (Pdh) 1-7 °C heating output, partial load range in colder climates (Pdh) 1-7 °C heating output, partial load range in warmer climates (Pdh) 1-1 °C heating output, partial load range in warmer climates (Pdh) 1-1 °C heating output, partial load range in warmer climates (Pdh) 1-1 °C heating output, partial load range in warmer climates (Pdh) 1-1 °C heating output, partial load range in warmer climates (Pdh) 1-1 °C heating output, partial load range in warmer climates (Pdh) 1-1 °C heating output, partial load range in warmer climates (Pdh) 1-1 °C heating output, partial load range in warmer climates (Pdh) 1-1 °C heating output, partial load range in warmer climates (Pdh) 1-1 °C heating output, partial load range in warmer climates (Pdh) 1-2 °C heating output, partial load range in warmer climates (Pdh) 1-2 °C heating output, partial load range in warmer climates (Pdh) 1-2 °C heating output, partial load range in warmer climates (Pdh) 1-2 °C heating output, partial load range in warmer climates (Pdh) 1-2 °C heating output, partial load range in warmer climates (Pdh) 1-2 °C heating output, partial load range in warmer climates (Pdh) 1-2 °C heating output, partial load range in warmer climates (Pdh) 1-2 °C CDP, partial load range in warmer climates (Pdh) 1-3 °C CDP, partial load range in warmer climates (Pdh) 1-4 °C CDP, partial load range in warmer climates (Pdh) 2-6 °C Pdh 1-7 °C CDP, partial load range in cold		kW	10.1
Till = 2 °C heating output, partial load range in colder climates (Pdh) Till = 2 °C heating output, partial load range under moderate climatic conditions (Pdh) Till = 2 °C heating output, partial load range in warmer climates (Pdh) Till = 2 °C heating output, partial load range in warmer climates (Pdh) Till = 3 °C heating output, partial load range in warmer climates (Pdh) Till = 7 °C heating output, partial load range under moderate climatic conditions (Pdh) Till = 7 °C heating output, partial load range in warmer climates (Pdh) Till = 7 °C heating output, partial load range in warmer climates (Pdh) Till = 7 °C heating output, partial load range in warmer climates (Pdh) Till = 7 °C heating output, partial load range in warmer climates (Pdh) Till = 12 °C heating output, partial load range in warmer climates (Pdh) Till = 12 °C heating output, partial load range in warmer climates (Pdh) Till = 0 °C heating output, partial load range in warmer climates (Pdh) Till = 0 °C heating output, partial load range in warmer climates (Pdh) Till = 0 °C heating output, partial load range in warmer climates (Pdh) Till = 0 °C heating output, partial load range in warmer climates (Pdh) Till = 0 °C heating output, partial load range in warmer climates (Pdh) Till = 0 °C heating output, partial load range in warmer climates (Pdh) Till = 0 °C heating output, partial load range in warmer climates (Pdh) Till = 0 °C heating output, partial load range in warmer climates (Pdh) Till = 0 °C heating output, partial load range in warmer climates (Pdh) Till = 0 °C heating output, partial load range in warmer climates (Pdh) Till = 0 °C heating output, partial load range in warmer climates (Pdh) Till = 0 °C heating output, partial load range in climates (Pdh) Till = 0 °C heating output, partial varmer climates (Pdh) Till = 0 °C heating output, partial varmer climates (Pdh) Till = 0 °C heating output, partial varmer climates (Pdh) Till = 0 °C heating output, partial varmer climates (Pdh) Till = 0 °C heating output, partial varmer climates (Pdh) T		kW	10.6
Tj = 2° C heating output, partial load range under moderate climatic conditions (Pdh) kW 8.4 Tj = 2° C heating output, partial load range in warmer climates (Pdh) kW 6.3 Tj = 7° C heating output, partial load range in colder climates (Pdh) kW 6.1 Tj = 7° C heating output, partial load range in colder climates (Pdh) kW 7.8 Conditions (Pdh) kW 6.3 Tj = 7° C heating output, partial load range in warmer climates (Pdh) kW 6.3 Tj = 12° C heating output, partial load range in colder climates (Pdh) kW 5.0 Tj = 12° C heating output, partial load range in warmer climates (Pdh) kW 9.0 Gonditions (Pdh) kW 4.8 Tj = dual mode temperature in colder climates (Pdh) kW 9.0 Tj = dual mode temperature under moderate climatic conditions (Pdh) kW 9.9 Tj = operating temperature limit in colder climates (Pdh) kW 8.3 Tj = operating temperature limit in colder climates (Pdh) kW 8.3 Tj = operating temperature limit in warmer climates (Pdh) kW 9.4 Ng and mode temperature limit in warmer climates (Pdh) kW 8.3 Tj = operating temperature limit in warmer climates (Pdh) kW 9.4 Ng and a climate (Pdh) kW 9.4 Ng and a climate (Pd	Tj = -7 °C heating output, partial load range in warmer climates (Pdh)	kW	10.7
conditions (Pdh) 1	Tj = 2 °C heating output, partial load range in colder climates (Pdh)	kW	7.1
Tj = 7 °C heating output, partial load range in colder climates (Pdh) kW 7.8 conditions (Pdh) Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh) kW 6.3 Tj = 12 °C heating output, partial load range in warmer climates (Pdh) kW 5.0 Tj = 12 °C heating output, partial load range in colder climates (Pdh) kW 5.0 Tj = 12 °C heating output, partial load range in colder climates (Pdh) kW 9.0 Tj = 12 °C heating output, partial load range in colder climates (Pdh) kW 9.0 Tj = 12 °C heating output, partial load range in warmer climates (Pdh) kW 9.0 Tj = 12 °C heating output, partial load range in warmer climates (Pdh) kW 9.0 Tj = 12 °C heating output, partial load range in warmer climates (Pdh) kW 9.0 Tj = dual mode temperature in colder climates (Pdh) kW 9.9 Tj = dual mode temperature under moderate climatic conditions (Pdh) kW 9.9 Tj = dual mode temperature in warmer climates (Pdh) kW 9.9 Tj = operating temperature limit in colder climates (Pdh) kW 9.3 Tj = operating temperature limit in colder climates (Pdh) kW 9.4 Tj = operating temperature limit under moderate climatic conditions (Pdh) kW 9.4 Tj = operating temperature limit under moderate climates (Pdh) kW 9.4 Tj = operating temperature in warmer climates (Pdh) kW 9.4 Tj = operating temperature in warmer climates (Pdh) kW 9.4 Tj = operating temperature in colder climates (Pdh) kW 9.4 Tj = operating temperature in warmer climates (Pdh) kW 9.4 Tj = operating temperature in warmer climates (Tbiv) °C 9.7 Tj = Operating temperature in operative climates (Tbiv) °C 9.7 Tj = Operating temperature in warmer climates (Tbiv) °C 9.2 Seasonal room heating efficiency in moderate climates for average temperature applications (Tjs) 9.0 Seasonal room heating efficiency in moderate climates (Tbiv) °C 9.0 Seasonal room heating efficiency in moderate climates (Tbiv) °C 9.0 Seasonal room heating efficiency in warmer climates (Tbiv) °C 9.0 Seasonal room heating efficiency in moderate climates (Tbiv) °C 9.0 Seasonal room heating efficiency in moderate cli		kW	8.4
Tj - 7 °C heating output, partial load range under moderate climatic conditions (Pdh) kW 6.3 Tj - 7 °C heating output, partial load range in warmer climates (Pdh) kW 5.0 Tj - 12 °C heating output, partial load range in colder climates (Pdh) kW 5.0 Tj - 12 °C heating output, partial load range in colder climates (Pdh) kW 9.0 Tj - 12 °C heating output, partial load range in warmer climates (Pdh) kW 4.8 Tj - dual mode temperature in colder climates (Pdh) kW 10.1 Tj - dual mode temperature under moderate climatic conditions (Pdh) kW 9.9 Tj - dual mode temperature limit in colder climates (Pdh) kW 9.9 Tj - operating temperature limit in colder climates (Pdh) kW 9.4 Tj - operating temperature limit in colder climates (Pdh) kW 9.4 Tj - operating temperature limit in colder climates (Pdh) kW 9.4 Tj - operating temperature limit in colder climates (Pdh) kW 9.4 Tj - operating temperature limit in colder climates (Pdh) kW 9.4 Tj - operating temperature limit in colder climates (Pdh) kW 9.4 Tj - operating temperature limit in colder climates (Pdh) kW 9.4 Tj - operating temperature limit in colder climates (Pdh) kW 9.4 Dual mode temperature in colder climates	Tj = 2 °C heating output, partial load range in warmer climates (Pdh)	kW	8.3
conditions (Pdh)** Tj = 7 ° C heating output, partial load range in warmer climates (Pdh) kW	Tj = 7 °C heating output, partial load range in colder climates (Pdh)	kW	6.1
$ \begin{array}{c} \overline{1}] = 12 \ ^\circ \text{C} \text{ heating output, partial load range in colder climates (Pdh)} & \text{kW} & 9.0 \\ \overline{1}] = 12 \ ^\circ \text{C} \text{ heating output, partial load range under moderate climates} & \text{kW} & 9.0 \\ \text{conditions (Pdh)} & \text{kW} & 9.0 \\ \text{conditions (Pdh)} & \text{kW} & 4.8 \\ \overline{1}] = \text{dual mode temperature in colder climates (Pdh)} & \text{kW} & 10.1 \\ \overline{1}] = \text{dual mode temperature under moderate climate (Pdh)} & \text{kW} & 9.9 \\ \overline{1}] = \text{dual mode temperature under moderate climate (Pdh)} & \text{kW} & 9.9 \\ \overline{1}] = \text{dual mode temperature under moderate climate (Pdh)} & \text{kW} & 9.9 \\ \overline{1}] = \text{dual mode temperature in warmer climates (Pdh)} & \text{kW} & 8.3 \\ \overline{1}] = \text{operating temperature limit in colder climates (Pdh)} & \text{kW} & 14.1 \\ \overline{1}] = \text{operating temperature limit in colder climates (Pdh)} & \text{kW} & 9.4 \\ \overline{1}] = \text{operating temperature limit in warmer climates (Pdh)} & \text{kW} & 9.4 \\ \overline{1}] = \text{operating temperature limit in warmer climates (Pdh)} & \text{kW} & 9.4 \\ \overline{1}] = \text{operating temperature limit in warmer climates (Pdh)} & \text{kW} & 9.4 \\ \overline{1}] = \text{operating temperature limit in warmer climates (Pdh)} & \text{kW} & 9.4 \\ \overline{1}] = \text{operating temperature limit in warmer climates (Pdh)} & \text{kW} & 9.4 \\ \overline{1}] = \text{operating temperature limit in warmer climates (Pdh)} & \text{kW} & 9.4 \\ \overline{1}] = \text{operating temperature in warmer climates (Pdh)} & \text{kW} & 9.4 \\ \overline{1}] = \text{operating temperature in warmer climates (Pdh)} & \text{kW} & 9.4 \\ \overline{1}] = \text{operating one heating efficiency in moderate climates one warge} & \text{c} \\ \overline{1}] = \text{operating one heating efficiency in moderate climates (Tbiv)} & ^\circ\text{C} & 2.2 \\ \overline{1}] = \text{operating efficiency in warmer climates for average} & \text{moderate climates for average} \\ \overline{1}] = \text{operating efficiency in warmer climates for average} & \text{moderate climates (Pdh)} & \text{moderate climates} \\ \overline{1}] = \text{operating efficiency in warmer climates (COPd)} & 2.69 \\ \overline{1}] = \text{operating load range in colder climates (COPd)} & 3.55 \\ \overline{1}] = operating load range in colder effi$		kW	7.8
Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh) kW 9.0 Conditions (Pdh) kW 4.8 Tj = 12 °C heating output, partial load range in warmer climates (Pdh) kW 10.1 Tj = dual mode temperature in colder climates (Pdh) kW 9.9 Tj = dual mode temperature under moderate climatic conditions (Pdh) kW 8.3 Tj = operating temperature limit in colder climates (Pdh) kW 8.3 Tj = operating temperature limit in colder climates (Pdh) kW 9.4 Tj = operating temperature limit under moderate climatic conditions (Pdh) kW 9.4 Tj = operating temperature limit under moderate climates (Pdh) kW 9.4 Tj = operating temperature limit under moderate (Pdh) kW 9.4 Tj = operating temperature limit under moderate (Pdh) kW 9.4 Tj = operating temperature limit under moderate (Pdh) kW 9.4 Dual mode temperature in colder climates (Pdh) kW 9.4 Dual mode temperature in colder climates (Tbiv) °C .7 Dual mode temperature in warmer climates (Tbiv) °C .2 Seasonal room heating efficiency in colder climates (Tbiv) °C .2 Seasonal room heating efficiency in moderate climates (Tbiv) °C .2 Seasonal room heating	Tj = 7 °C heating output, partial load range in warmer climates (Pdh)	kW	6.3
$ \begin{array}{c} \text{conditions (Pdh)} & \text{kW} & 4.8 \\ \hline T_j = 12 ^{\circ} \text{C heating output, partial load range in warmer climates (Pdh)} & \text{kW} & 4.8 \\ \hline T_j = \text{dual mode temperature in colder climates (Pdh)} & \text{kW} & 9.9 \\ \hline T_j = \text{dual mode temperature in warmer climates (Pdh)} & \text{kW} & 9.9 \\ \hline T_j = \text{dual mode temperature in warmer climates (Pdh)} & \text{kW} & 8.3 \\ \hline T_j = \text{operating temperature in warmer climates (Pdh)} & \text{kW} & 14.1 \\ \hline T_j = \text{operating temperature limit under moderate climatic conditions (Pdh)} & \text{kW} & 9.4 \\ \hline T_j = \text{operating temperature limit under moderate climatic conditions (Pdh)} & \text{kW} & 9.4 \\ \hline T_j = \text{operating temperature limit under moderate climatic conditions (Pdh)} & \text{kW} & 9.4 \\ \hline T_j = \text{operating temperature limit in warmer climates (Pdh)} & \text{kW} & 9.4 \\ \hline T_j = \text{operating temperature in in warmer climates (Pdh)} & \text{kW} & 9.4 \\ \hline Dual mode temperature in moderate climates (Tbiv)} & ^{\circ} \text{C} & -7 \\ \hline Dual mode temperature in moderate climates (Tbiv)} & ^{\circ} \text{C} & -7 \\ \hline Dual mode temperature in moderate climates (Tbiv)} & ^{\circ} \text{C} & -2 \\ \hline Seasonal room heating efficiency in colder climates for average} & 126 \\ \hline \text{emperature applications (Tjs)} & ^{\circ} \text{C} & -2 \\ \hline Seasonal room heating efficiency in moderate climates for average} & 143 \\ \hline \text{Seasonal room heating efficiency in warmer climates for average} & 163 \\ \hline \text{If } j = -7 ^{\circ} \text{C COP, partial load range in colder climates (COPd)} & 2.91 \\ \hline T_j = -7 ^{\circ} \text{C COP, partial load range in marmer climates (COPd)} & 3.75 \\ \hline T_j = 2 ^{\circ} \text{C COP, partial load range in warmer climates (COPd)} & 3.75 \\ \hline T_j = 2 ^{\circ} \text{C COP, partial load range in warmer climates (COPd)} & 3.51 \\ \hline T_j = 7 ^{\circ} \text{C COP, partial load range in warmer climates (COPd)} & 3.51 \\ \hline T_j = 7 ^{\circ} \text{C COP, partial load range in warmer climates (COPd)} & 3.51 \\ \hline T_j = 7 ^{\circ} \text{C COP, partial load range in colder climates (COPd)} & 3.53 \\ \hline T_j = 12 ^{\circ} \text{C COP, partial load range in colder climates (COPd)} & 3.45 \\ \hline T_j $	Tj = 12 °C heating output, partial load range in colder climates (Pdh)	kW	5.0
Tj = 12 ° C heating output, partial load range in warmer climates (Pdh) kW 1.9. Tj = dual mode temperature in colder climates (Pdh) kW 10.1 Tj = dual mode temperature in warmer climates (Pdh) kW 9.9 Tj = dual mode temperature in warmer climates (Pdh) kW 8.3 Tj = operating temperature limit in colder climates (Pdh) kW 14.1 Tj = operating temperature limit in colder climates (Pdh) kW 9.4 Tj = operating temperature limit in owarmer climates (Pdh) kW 9.4 Tj = operating temperature limit in owarmer climates (Pdh) kW 9.4 Tj = operating temperature limit in owarmer climates (Pdh) kW 9.4 Po a parting temperature limit in warmer climates (Pdh) kW 8.3 For air/water heat pumps:Tj = -15 °C (if TOL<-20 °C) (Pdh)		kW	9.0
Tj = dual mode temperature in colder climates (Pdh) kW 9.9 Tj = dual mode temperature under moderate climatic conditions (Pdh) kW 8.3 Tj = operating temperature limit in colder climates (Pdh) kW 9.4 Tj = operating temperature limit in colder climates (Pdh) kW 9.4 Tj = operating temperature limit under moderate climatic conditions (Pdh) kW 9.4 Tj = operating temperature limit under moderate climatic conditions (Pdh) kW 9.4 Tj = operating temperature limit under moderate climatic conditions (Pdh) kW 9.4 Tj = operating temperature limit in warmer climates (Pdh) kW 9.4 Dual mode temperature in in colder climates (Tbiv) °C -7 Dual mode temperature in colder climates (Tbiv) °C -7 Dual mode temperature in moderate climates (Tbiv) °C -7 Dual mode temperature in moderate climates (Tbiv) °C -7 Dual mode temperature in moderate climates (Tbiv) °C -7 Dual mode temperature in warmer climates (Tbiv) °C -7 Dual mode temperature in warmer climates (Tbiv) °C -7 Dual mode temperature in warmer climates (Tbiv) °C -7 Dual mode temperature in warmer climates (Tbiv) °C -7 Dual mode temperature in warmer climates (Tbiv) °C -7 Dual mode temperature in warmer climates (Tbiv) °C -7 Dual mode temperature in warmer climates (Tbiv) °C -7 Dual mode temperature in warmer climates (Tbiv) °C -7 Dual mode temperature in warmer climates (Tbiv) °C -7 Dual mode temperature in warmer climates (Tbiv) °C -7 Dual mode temperature in warmer climates (Tbiv) °C -7 Dual mode temperature in warmer climates (Tbiv) °C -7 Dual mode temperature in warmer climates (Tbiv) °C °C -7 Dual mode temperature in warmer climates (Tbiv) °C °C °C P, partial load range in colder climates (Tbiv) °C °C °C P, partial load range in warmer climates (Tbiv) °C °C °C P, partial load range in warmer climates (Tbiv) °C		kW	4.8
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Tj = operating temperature limit in colder climates (Pdh) kW 14.1 Tj = operating temperature limit under moderate climatic conditions (Pdh) kW 9.4 Tj = operating temperature limit under moderate climates (Pdh) kW 8.3 For air/water heat pumps:Tj = -15 °C (if TOL< - 20 °C) (Pdh)		kW	9.9
Tj = operating temperature limit under moderate climatic conditions (Pdh) kW 8.3 Tj = operating temperature limit in warmer climates (Pdh) kW 9.4 Tj = operating temperature limit in warmer climates (Pdh) kW 9.4 Dual mode temperature in colder climates (Tbiv) °C 7.7 Dual mode temperature in moderate climates (Tbiv) °C 8.5 Dual mode temperature in moderate climates (Tbiv) °C 8.5 Dual mode temperature in moderate climates (Tbiv) °C 9.5 Dual mode temperature in warmer climates (Tbiv) °C 9.5 Dual mode temperature in warmer climates (Tbiv) °C 9.5 Dual mode temperature in warmer climates (Tbiv) °C 9.5 Seasonal room heating efficiency in colder climates for average temperature applications (I)s 9.6 Seasonal room heating efficiency in moderate climates for average 8.7 temperature applications (I)s 9.7 Seasonal room heating efficiency in warmer climates for average 8.7 temperature applications (I)s 9.7 Tj = -7 °C COP, partial load range in colder climates (COPd) 9.7 Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd) 9.7 Tj = -7 °C COP, partial load range in colder climates (COPd) 9.7 Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd) 9.7 Tj = 2 °C COP, partial load range in colder climates (COPd) 9.7 Tj = 2 °C COP, partial load range in colder climates (COPd) 9.7 Tj = 2 °C COP, partial load range in warmer climates (COPd) 9.7 Tj = 2 °C COP, partial load range in warmer climates (COPd) 9.7 Tj = 2 °C COP, partial load range in warmer climates (COPd) 9.7 Tj = 2 °C COP, partial load range in warmer climates (COPd) 9.7 Tj = 2 °C COP, partial load range in colder climates (COPd) 9.7 Tj = 2 °C COP, partial load range in colder climates (COPd) 9.7 Tj = 2 °C COP, partial load range in colder climates (COPd) 9.7 Tj = 2 °C COP, partial load range in colder climates (COPd) 9.7 Tj = 2 °C COP, partial load range in colder climates (COPd) 9.7 Tj = 2 °C COP, partial load range in colder climates (COPd) 9.7 Tj = 2 °C COP, partial load range in colder climates (COPd) 9.7 Tj = 2 °C COP, pa	Tj = dual mode temperature in warmer climates (Pdh)	kW	8.3
Tj = operating temperature limit in warmer climates (Pdh) kW 9.4 For air/water heat pumps:Tj = -15 °C (if TOL< -20 °C) (Pdh) kW 9.4 Dual mode temperature in colder climates (Tbiv) °C -7 Dual mode temperature in moderate climates (Tbiv) °C -5 Dual mode temperature in warmer climates (Tbiv) °C -2 Seasonal room heating efficiency in colder climates for average temperature applications (I)s -8 Seasonal room heating efficiency in moderate climates for average temperature applications (I)s -8 Seasonal room heating efficiency in warmer climates for average temperature applications (I)s -7 °C COP, partial load range in colder climates for average temperature applications (I)s -7 °C COP, partial load range under moderate climatic conditions (COPd) -9 Tj = -7 °C COP, partial load range in warmer climates (COPd) -9 Tj = -7 °C COP, partial load range in warmer climates (COPd) -9 Tj = 2 °C COP, partial load range in colder climates (COPd) -9 Tj = 2 °C COP, partial load range in warmer climates (COPd) -9 Tj = 2 °C COP, partial load range in warmer climates (COPd) -9 Tj = 2 °C COP, partial load range in warmer climates (COPd) -9 Tj = 2 °C COP, partial load range in warmer climates (COPd) -9 Tj = 7 °C COP, partial load range in warmer climates (COPd) -9 Tj = 7 °C COP, partial load range in warmer climates (COPd) -9 Tj = 7 °C COP, partial load range in warmer climates (COPd) -9 Tj = 7 °C COP, partial load range in colder climates (COPd) -9 Tj = 7 °C COP, partial load range in colder climates (COPd) -9 Tj = 7 °C COP, partial load range in colder climates (COPd) -9 Tj = 7 °C COP, partial load range in colder climates (COPd) -9 Tj = 7 °C COP, partial load range in colder climates (COPd) -9 Tj = 7 °C COP, partial load range in colder climates (COPd) -9 Tj = 7 °C COP, partial load range in colder climates (COPd) -9 Tj = 7 °C COP, partial load range in colder climates (COPd) -9 Tj = 7 °C COP, partial load range in colder climates (COPd) -9 Tj = 7 °C COP, partial load range in colder climates (COPd) -9 Tj =		kW	14.1
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Dual mode temperature in colder climates (Tbiv) °C -7 Dual mode temperature in moderate climates (Tbiv) °C -5 Dual mode temperature in warmer climates (Tbiv) °C 2 Seasonal room heating efficiency in colder climates for average temperature applications (I)s) % 126 Seasonal room heating efficiency in moderate climates for average temperature applications (I)s) % 143 Seasonal room heating efficiency in warmer climates for average temperature applications (I)s) % 163 Tj = -7 °C COP, partial load range in colder climates (COPd) 2.91 Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd) 2.69 Tj = -7 °C COP, partial load range in warmer climates (COPd) 2.62 Tj = 2 °C COP, partial load range in colder climates (COPd) 3.75 Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd) 3.51 Tj = 7 °C COP, partial load range in warmer climates (COPd) 3.51 Tj = 7 °C COP, partial load range in colder climates (COPd) 4.51 Tj = 7 °C COP, partial load range in colder climates (COPd) 3.51 Tj = 7 °C COP, partial load range in warmer climates (COPd) 3.51 Tj = 12 °C COP, partial load range in warmer climates (COPd) 3.51 <t< td=""><td>Tj = operating temperature limit in warmer climates (Pdh)</td><td>kW</td><td>8.3</td></t<>	Tj = operating temperature limit in warmer climates (Pdh)	kW	8.3
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$\begin{array}{ll} T_j = 2 \ ^\circ C \ COP, \ partial \ load \ range \ under \ moderate \ climatic \ conditions \\ \hline (COPd) & 3.51 \\ \hline T_j = 2 \ ^\circ C \ COP, \ partial \ load \ range \ in \ warmer \ climates \ (COPd) & 2.96 \\ \hline T_j = 7 \ ^\circ C \ COP, \ partial \ load \ range \ in \ colder \ climates \ (COPd) & 4.51 \\ \hline T_j = 7 \ ^\circ C \ COP, \ partial \ load \ range \ under \ moderate \ climatic \ conditions \\ \hline (COPd) & 3.45 \\ \hline T_j = 12 \ ^\circ C \ COP, \ partial \ load \ range \ in \ colder \ climates \ (COPd) & 5.38 \\ \hline T_j = 12 \ ^\circ C \ COP, \ partial \ load \ range \ under \ moderate \ climatic \ conditions \\ (COPd) & 6,66 \\ \hline \end{array}$		· · · · · · · · · · · · · · · · · · ·	
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Tj = dual mode temperature under moderate climatic conditions (COPd)		2.81
Tj = dual mode temperature in warmer climates (COPd)	•	2.96
Tj = operating temperature limit in colder climates (COPd)		2.91
Tj = operating temperature limit under moderate climatic conditions (COPd)		2.29
Tj = operating temperature limit in warmer climates (COPd)		2.96
For air/water heat pumps:Tj= -15°C (if TOL< -20 °C) (COPd)		2.29
Operating temperature limit in colder climates (TOL)	°C	-20
Operating temperature limit in moderate climates (TOL)	°C	-10
Operating temperature limit in warmer climates (TOL)	°C	2
Heating water operating temperature limit in colder climates (WTOL)	°C	65
Heating water operating temperature limit (WTOL)	°C	65
Heating water operating temperature limit in warmer climates (WTOL)	°C	65
Power consumption, OFF state (Poff)	W	16
Power consumption, thermostat OFF state (PTO)	W	16
Standby power consumption (PSB)	W	16
Power consumption, operating state, with crankcase heating (PCK)	W	38
Booster heater heating output in colder climates (Psup)	kW	9.2
Booster heater heating output in moderate climate (Psup)	kW	2.5
Booster heater heating output in warmer climates (Psup)	kW	0.0
Type of energy supply, booster heater		electric
Power control		variable
Sound power level external	dB(A)	55
Annual energy consumption in colder climates for average temperature applications (QHE)	kWh/a	12405
Annual energy consumption in moderate climates for average temperature applications (QHE)	kWh/a	6801
Annual energy consumption in warmer climates for average temperature applications (QHE)	kWh/a	2581
Flow rate, heat source side	m³/h	4000
Special measures		For all special measures to be taken during assembly, installation or maintenance of the room heater, see the installation instructions