



Table 6 SCOP 55°C Average Climate

|                                                                                                                                                                                                                                                                            |                                                                        |       |                    |                                                            |                                          |             |                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|-------|--------------------|------------------------------------------------------------|------------------------------------------|-------------|-----------------------|
| Model(s):CA0070HANH                                                                                                                                                                                                                                                        |                                                                        |       |                    |                                                            |                                          |             |                       |
| Air-to-water heat pump:yes                                                                                                                                                                                                                                                 |                                                                        |       |                    |                                                            |                                          |             |                       |
| Water-to-water heat pump:no                                                                                                                                                                                                                                                |                                                                        |       |                    |                                                            |                                          |             |                       |
| Brine-to-water heat pump:no                                                                                                                                                                                                                                                |                                                                        |       |                    |                                                            |                                          |             |                       |
| Low-temperature heat pump:no                                                                                                                                                                                                                                               |                                                                        |       |                    |                                                            |                                          |             |                       |
| Equipped with a supplementary heater:no                                                                                                                                                                                                                                    |                                                                        |       |                    |                                                            |                                          |             |                       |
| Heat pump combination heater:no                                                                                                                                                                                                                                            |                                                                        |       |                    |                                                            |                                          |             |                       |
| This table shows the medium water output parameters for an average climate                                                                                                                                                                                                 |                                                                        |       |                    |                                                            |                                          |             |                       |
| Item                                                                                                                                                                                                                                                                       | Symbol                                                                 | Value | Unit               | Item                                                       | Symbol                                   | Value       | Unit                  |
| Rated heat output(*)                                                                                                                                                                                                                                                       | Prated                                                                 | 65    | kW                 | Seasonal space heating energy efficiency                   | $\eta_s$                                 | 143.0       | %                     |
| $T_j = -7^{\circ}\text{C}$                                                                                                                                                                                                                                                 | Pdh                                                                    | 58.64 | kW                 | $T_j = -7^{\circ}\text{C}$                                 | $\text{COP}_d$                           | 2.22        | -                     |
| $T_j = +2^{\circ}\text{C}$                                                                                                                                                                                                                                                 | Pdh                                                                    | 36.86 | kW                 | $T_j = +2^{\circ}\text{C}$                                 | $\text{COP}_d$                           | 3.64        | -                     |
| $T_j = +7^{\circ}\text{C}$                                                                                                                                                                                                                                                 | Pdh                                                                    | 26.02 | kW                 | $T_j = +7^{\circ}\text{C}$                                 | $\text{COP}_d$                           | 4.83        | -                     |
| $T_j = +12^{\circ}\text{C}$                                                                                                                                                                                                                                                | Pdh                                                                    | 30.63 | kW                 | $T_j = +12^{\circ}\text{C}$                                | $\text{COP}_d$                           | 6.44        | -                     |
| $T_j$ = bivalent temperature                                                                                                                                                                                                                                               | Pdh                                                                    | 58.64 | kW                 | $T_j$ = bivalent temperature                               | $\text{COP}_d$                           | 2.22        | -                     |
| $T_j$ = operation limit temperature                                                                                                                                                                                                                                        | Pdh                                                                    | 55.73 | kW                 | $T_j$ = operation limit temperature                        | $\text{COP}_d$                           | 1.96        | kW                    |
| Bivalent temperature                                                                                                                                                                                                                                                       | $T_{biv}$                                                              | -7    | $^{\circ}\text{C}$ | For air-to-water heat pumps: Operation limit temperature   | TOL                                      | -10         | $^{\circ}\text{C}$    |
| Cycling interval capacity for Heating                                                                                                                                                                                                                                      | Ppsych                                                                 | x,x   | kW                 | Cycling interval efficiency                                | $\text{COP}_{cyc}$ or $\text{PER}_{cyc}$ | x,xx or x,x | - or                  |
| Degradation coefficient(**)                                                                                                                                                                                                                                                | Cdh                                                                    | x,x   | —                  | Heating water operating limit temperature                  | WTOL                                     | x           | $^{\circ}\text{C}$    |
| Power consumption in modes other than active mode                                                                                                                                                                                                                          |                                                                        |       |                    | Supplementary heater                                       |                                          |             |                       |
| Off mode                                                                                                                                                                                                                                                                   | $P_{OFF}$                                                              | 0.043 | kW                 | Rated heat output(*)                                       | $P_{sup}$                                | x,x         | kW                    |
| Thermostat-off mode                                                                                                                                                                                                                                                        | $P_{TO}$                                                               | 0.180 | kW                 | Type of energy input                                       |                                          |             |                       |
| Standby mode                                                                                                                                                                                                                                                               | $P_{SB}$                                                               | 0.034 | kW                 |                                                            |                                          |             |                       |
| Crankcase heater mode                                                                                                                                                                                                                                                      | $P_{CK}$                                                               | 0.000 | kW                 |                                                            |                                          |             |                       |
| Other items                                                                                                                                                                                                                                                                |                                                                        |       |                    |                                                            |                                          |             |                       |
| Capacity control                                                                                                                                                                                                                                                           | Fixed/variable                                                         |       |                    | For air-to-water heat pumps: Rated air flow rate, outdoors | —                                        | 25400       | $\text{m}^3/\text{h}$ |
| Sound power level, outdoors                                                                                                                                                                                                                                                | $L_{WA}$                                                               | 88    | dB                 |                                                            |                                          |             |                       |
| Contact details                                                                                                                                                                                                                                                            | Name and address of the manufacturer or its authorized representative. |       |                    |                                                            |                                          |             |                       |
| (*)For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup( $T_j$ ). |                                                                        |       |                    |                                                            |                                          |             |                       |
| (**)If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.                                                                                                                                                                         |                                                                        |       |                    |                                                            |                                          |             |                       |