

CONNECTED  
HEAT PUMP

WLAN CARTRIDGE  
INCLUDED IN  
ACCESSORY BAG

## Daikin Altherma 3 H MT The Quintessence of heat pump



### Mid temperature air-to-water heat pump

Heating, cooling and domestic hot water



reddot design award  
winner 2019





# Daikin Altherma 3 H MT F

## Floor standing air to water heat pump for heating and hot water

- › A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- › Inclusion of all hydraulic components means no third party components are required
- › PCB board and hydraulic components are located in the front for easy access
- › Small installation footprint of 595 x 625 mm
- › Integrated back-up heater of 6 or 9 kW
- › Heat pump operation down to -28 °C



| Efficiency data                                                                     |                                            |                                    |                                                    | ETVH + EPRA                                        | 12S18E6V/E9W<br>+ 08EV/W    | 12S23E6V/E9W<br>+ 08EV/W | 12S18E6V/E9W<br>+ 10EV/W | 12S23E6V/E9W<br>+ 10EV/W | 12S18E6V/E9W<br>+ 12EV/W | 12S23E6V/E9W<br>+ 12EV/W |     |     |
|-------------------------------------------------------------------------------------|--------------------------------------------|------------------------------------|----------------------------------------------------|----------------------------------------------------|-----------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-----|-----|
|  | Space heating                              | Average climate water outlet 55 °C | General                                            | SCOP                                               | %                           | 3,41 / 3,52              |                          | 3,43 / 3,53              |                          |                          |     |     |
|                                                                                     |                                            |                                    |                                                    | η <sub>s</sub> (Seasonal space heating efficiency) |                             | 134 / 138                |                          |                          |                          |                          |     |     |
|                                                                                     |                                            |                                    |                                                    | Seasonal space heating eff. class                  |                             | A++                      |                          |                          |                          |                          |     |     |
|                                                                                     | Average climate water outlet 35 °C         | General                            | SCOP                                               | %                                                  | 4,69 / 4,81                 |                          | 4,71 / 4,84              |                          | 4,71 / 4,84              |                          |     |     |
|                                                                                     |                                            |                                    | η <sub>s</sub> (Seasonal space heating efficiency) |                                                    | 184 / 190                   |                          | 186 / 191                |                          | 186 / 191                |                          |     |     |
| Seasonal space heating eff. class                                                   |                                            |                                    | A+++                                               |                                                    |                             |                          |                          |                          |                          |                          |     |     |
|  | Domestic hot water heating                 | General                            | Declared load profile                              |                                                    |                             | L                        | XL                       | L                        | XL                       | L                        | XL  |     |
|                                                                                     | Average climate                            | COP <sub>dhw</sub>                 | %                                                  | 2,72 / 2,80                                        | 2,96 / 3,05                 | 2,72 / 2,80              | 2,96 / 3,05              | 2,72 / 2,80              | 2,96 / 3,05              |                          |     |     |
|                                                                                     | η <sub>wh</sub> (water heating efficiency) | 117 / 120                          |                                                    | 126 / 130                                          | 117 / 120                   | 126 / 130                | 117 / 120                | 126 / 130                |                          |                          |     |     |
|                                                                                     | Water heating energy efficiency class      | A+                                 |                                                    |                                                    |                             |                          |                          |                          |                          |                          |     |     |
| Indoor Unit                                                                         |                                            |                                    |                                                    | ETVH                                               | 12S18E6V/E9W                | 12S23E6V/E9W             | 12S18E6V/E9W             | 12S23E6V/E9W             | 12S18E6V/E9W             | 12S23E6V/E9W             |     |     |
| Casing                                                                              | Colour                                     |                                    |                                                    |                                                    |                             | White + Black            |                          |                          |                          |                          |     |     |
|                                                                                     | Material                                   |                                    |                                                    |                                                    |                             | Precoated sheet metal    |                          |                          |                          |                          |     |     |
| Dimensions                                                                          | Unit                                       | HeightxWidthxDepth                 | mm                                                 | 1,650x595x625                                      | 1,850x595x625               | 1,650x595x625            | 1,850x595x625            | 1,650x595x625            | 1,850x595x625            |                          |     |     |
| Weight                                                                              | Unit                                       |                                    |                                                    |                                                    |                             | kg                       | 108                      | 117                      | 108                      | 117                      | 108 | 117 |
| Tank                                                                                | Water volume                               |                                    | l                                                  | 180                                                | 230                         | 180                      | 230                      | 180                      | 230                      |                          |     |     |
|                                                                                     | Maximum water temperature                  |                                    | °C                                                 | 70                                                 |                             |                          |                          |                          |                          |                          |     |     |
|                                                                                     | Maximum water pressure                     |                                    | bar                                                | 10                                                 |                             |                          |                          |                          |                          |                          |     |     |
|                                                                                     | Corrosion protection                       |                                    |                                                    | Pickling                                           |                             |                          |                          |                          |                          |                          |     |     |
| Operation range                                                                     | Heating                                    | Ambient                            | Min.~Max.                                          | °C                                                 | -28 ~ 25                    |                          |                          |                          |                          |                          |     |     |
|                                                                                     |                                            | Water side                         | Min.~Max.                                          | °C                                                 | 18 ~ 65                     |                          |                          |                          |                          |                          |     |     |
|                                                                                     | Domestic hot water                         | Ambient                            | Min.~Max.                                          | °C                                                 | -28 ~ 35                    |                          |                          |                          |                          |                          |     |     |
|                                                                                     |                                            | Water side                         | Min.~Max.                                          | °C                                                 | 10 ~ 65                     |                          |                          |                          |                          |                          |     |     |
| Sound power level                                                                   | Nom.                                       |                                    |                                                    |                                                    |                             | dBA                      | 44                       |                          |                          |                          |     |     |
| Sound pressure level                                                                | Nom.                                       |                                    |                                                    |                                                    |                             | dBA                      | 30                       |                          |                          |                          |     |     |
| Outdoor Unit                                                                        |                                            |                                    |                                                    | EPRA                                               | 08EV3/W1                    |                          | 10EV3/W1                 |                          | 12EV3/W1                 |                          |     |     |
| Dimensions                                                                          | Unit                                       | HeightxWidthxDepth                 | mm                                                 | 1003x1270x533                                      |                             |                          |                          |                          |                          |                          |     |     |
| Weight                                                                              | Unit                                       |                                    |                                                    |                                                    |                             | kg                       | 118                      |                          |                          |                          |     |     |
| Compressor                                                                          | Quantity                                   |                                    | 1                                                  |                                                    |                             |                          |                          |                          |                          |                          |     |     |
|                                                                                     | Type                                       |                                    | Hermetically sealed swing compressor               |                                                    |                             |                          |                          |                          |                          |                          |     |     |
| Operation range                                                                     | Heating                                    | Min.~Max.                          | °CDB                                               | -28 ~ 25                                           |                             |                          |                          |                          |                          |                          |     |     |
|                                                                                     | Cooling                                    | Min.~Max.                          | °CDB                                               | 10 ~ 43                                            |                             |                          |                          |                          |                          |                          |     |     |
|                                                                                     | Domestic hot water                         | Min.~Max.                          | °CDB                                               | -28 ~ 35                                           |                             |                          |                          |                          |                          |                          |     |     |
| Refrigerant                                                                         | Type                                       |                                    |                                                    |                                                    |                             | R-32                     |                          |                          |                          |                          |     |     |
|                                                                                     | GWP                                        |                                    |                                                    |                                                    |                             | 675                      |                          |                          |                          |                          |     |     |
|                                                                                     | Charge                                     | kg                                 |                                                    | 3,25                                               |                             |                          |                          |                          |                          |                          |     |     |
|                                                                                     | Charge                                     | TCO <sub>2</sub> Eq                |                                                    | 2,19                                               |                             |                          |                          |                          |                          |                          |     |     |
|                                                                                     | Control                                    |                                    |                                                    |                                                    |                             | Expansion valve          |                          |                          |                          |                          |     |     |
| LW(A) Sound power level (according to EN14825)                                      |                                            |                                    |                                                    | 53                                                 |                             |                          |                          |                          |                          |                          |     |     |
| Sound pressure level (at 1 meter)                                                   | Nom.                                       |                                    |                                                    |                                                    |                             | V3: 40,6 - W1: 41,1      |                          |                          |                          |                          |     |     |
| Power supply                                                                        | Name/Phase/Frequency/Voltage               |                                    |                                                    | Hz/V                                               | V3/1~/50/230 - W1/3~/50/400 |                          |                          |                          |                          |                          |     |     |
| Current                                                                             | Recommended fuses                          |                                    |                                                    | A                                                  | V3: 32 - W1: 16             |                          |                          |                          |                          |                          |     |     |

This product contains fluorinated greenhouse gases.

# Daikin Altherma 3 H MT F

Floor standing air to water heat pump for **heating, cooling and hot water**

- › A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- › Inclusion of all hydraulic components means no third party components are required
- › PCB board and hydraulic components are located in the front for easy access
- › Small installation footprint of 595 x 625 mm
- › Integrated back-up heater of 6 or 9 kW
- › Heat pump operation down to -28 °C



| Efficiency data                                                                     |                                    |                                    |                                       |                                        | ETVX + EPRA     | 12S18E6V/E9W + 08EV/W       | 12S23E6V/E9W + 08EV/W | 12S18E6V/E9W + 10EV/W | 12S23E6V/E9W + 10EV/W | 12S18E6V/E9W + 12EV/W | 12S23E6V/E9W + 12EV/W |           |           |  |           |             |
|-------------------------------------------------------------------------------------|------------------------------------|------------------------------------|---------------------------------------|----------------------------------------|-----------------|-----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------|-----------|--|-----------|-------------|
|  | Space heating                      | Average climate water outlet 55 °C | General                               | SCOP                                   | %               | 3,47 / 3,59                 |                       | 3,48 / 3,60           |                       |                       |                       |           |           |  |           |             |
|                                                                                     |                                    |                                    |                                       | ηs (Seasonal space heating efficiency) |                 |                             |                       |                       |                       |                       |                       | 136 / 141 |           |  |           |             |
|                                                                                     | Seasonal space heating eff. class  | A++                                |                                       |                                        |                 |                             |                       |                       |                       |                       |                       |           |           |  |           |             |
|                                                                                     | Average climate water outlet 35 °C |                                    |                                       |                                        |                 | General                     | SCOP                  | %                     | 4,79 / 4,95           |                       | 4,82 / 4,98           |           |           |  |           |             |
| ηs (Seasonal space heating efficiency)                                              |                                    | 188 / 195                          |                                       | 190 / 196                              |                 |                             |                       |                       |                       |                       |                       |           |           |  |           |             |
| Seasonal space heating eff. class                                                   | A+++                               |                                    |                                       |                                        |                 |                             |                       |                       |                       |                       |                       |           |           |  |           |             |
|  |                                    |                                    |                                       |                                        | General         | Declared load profile       |                       |                       |                       | L                     |                       |           |           |  |           |             |
|                                                                                     | Average climate                    | COPdhw                             |                                       |                                        |                 |                             | 2,72 / 2,80           |                       | 2,96 / 3,05           |                       |                       |           |           |  |           | 2,72 / 2,80 |
|                                                                                     |                                    |                                    | ηwh (water heating efficiency)        | %                                      | 117 / 120       |                             | 126 / 130             |                       | 117 / 120             |                       | 126 / 130             |           | 117 / 120 |  | 126 / 130 |             |
|                                                                                     |                                    |                                    | Water heating energy efficiency class |                                        |                 |                             |                       |                       |                       |                       |                       |           |           |  |           |             |
|                                                                                     |                                    |                                    |                                       |                                        |                 |                             |                       |                       |                       |                       |                       |           |           |  |           |             |
| Indoor Unit                                                                         |                                    |                                    |                                       |                                        | ETVX            | 12S18E6V/D9W                | 12S23E6V/D9W          | 12S18E6V/D9W          | 12S23E6V/D9W          | 12S18E6V/D9W          | 12S23E6V/D9W          |           |           |  |           |             |
| Casing                                                                              | Colour                             |                                    |                                       |                                        |                 | White + Black               |                       |                       |                       |                       |                       |           |           |  |           |             |
|                                                                                     | Material                           |                                    |                                       |                                        |                 |                             |                       |                       |                       |                       |                       |           |           |  |           |             |
| Dimensions                                                                          | Unit                               | HeightxWidthxDepth                 | mm                                    | 1,650x595x625                          |                 | 1,850x595x625               |                       | 1,650x595x625         |                       | 1,850x595x625         |                       |           |           |  |           |             |
| Weight                                                                              | Unit                               |                                    | kg                                    | 108                                    |                 | 117                         |                       | 108                   |                       | 117                   |                       |           |           |  |           |             |
| Tank                                                                                | Water volume                       |                                    | l                                     | 180                                    |                 | 230                         |                       | 180                   |                       | 230                   |                       |           |           |  |           |             |
|                                                                                     | Maximum water temperature          |                                    | °C                                    | 70                                     |                 |                             |                       |                       |                       |                       |                       |           |           |  |           |             |
|                                                                                     | Maximum water pressure             |                                    | bar                                   | 10                                     |                 |                             |                       |                       |                       |                       |                       |           |           |  |           |             |
|                                                                                     | Corrosion protection               |                                    |                                       | Pickling                               |                 |                             |                       |                       |                       |                       |                       |           |           |  |           |             |
| Operation range                                                                     | Heating                            | Ambient                            | Min.~Max.                             | °C                                     | -28 ~ 25        |                             |                       |                       |                       |                       |                       |           |           |  |           |             |
|                                                                                     |                                    | Water side                         | Min.~Max.                             | °C                                     | 18 ~ 65         |                             |                       |                       |                       |                       |                       |           |           |  |           |             |
|                                                                                     | Cooling                            | Ambient                            | Min.~Max.                             | °C                                     | 10 ~ 43         |                             |                       |                       |                       |                       |                       |           |           |  |           |             |
|                                                                                     |                                    | Water side                         | Min.~Max.                             | °C                                     | 5 ~ 22          |                             |                       |                       |                       |                       |                       |           |           |  |           |             |
|                                                                                     | Domestic hot water                 | Ambient                            | Max.                                  | °C                                     | -28 ~ 35        |                             |                       |                       |                       |                       |                       |           |           |  |           |             |
|                                                                                     |                                    | Water side                         | Min.~Max.                             | °C                                     | 10 ~ 65         |                             |                       |                       |                       |                       |                       |           |           |  |           |             |
| Sound power level                                                                   | Nom.                               |                                    | dBA                                   | 44                                     |                 |                             |                       |                       |                       |                       |                       |           |           |  |           |             |
| Sound pressure level                                                                | Nom.                               |                                    | dBA                                   | 30                                     |                 |                             |                       |                       |                       |                       |                       |           |           |  |           |             |
|                                                                                     |                                    |                                    |                                       |                                        |                 |                             |                       |                       |                       |                       |                       |           |           |  |           |             |
| Outdoor Unit                                                                        |                                    |                                    |                                       |                                        | EPRA            | 08EV3/W1                    |                       | 10EV3/W1              |                       | 12EV3/W1              |                       |           |           |  |           |             |
| Dimensions                                                                          | Unit                               | HeightxWidthxDepth                 | mm                                    | 1003x1270x533                          |                 |                             |                       |                       |                       |                       |                       |           |           |  |           |             |
| Weight                                                                              | Unit                               |                                    | kg                                    | 118                                    |                 |                             |                       |                       |                       |                       |                       |           |           |  |           |             |
| Compressor                                                                          | Quantity                           |                                    |                                       |                                        |                 | 1                           |                       |                       |                       |                       |                       |           |           |  |           |             |
|                                                                                     | Type                               |                                    |                                       |                                        |                 |                             |                       |                       |                       |                       |                       |           |           |  |           |             |
| Operation range                                                                     | Heating                            |                                    | Min.~Max.                             | °CDB                                   | -28 ~ 25        |                             |                       |                       |                       |                       |                       |           |           |  |           |             |
|                                                                                     | Cooling                            |                                    | Min.~Max.                             | °CDB                                   | 10 ~ 43         |                             |                       |                       |                       |                       |                       |           |           |  |           |             |
|                                                                                     | Domestic hot water                 |                                    | Min.~Max.                             | °CDB                                   | -28 ~ 35        |                             |                       |                       |                       |                       |                       |           |           |  |           |             |
| Refrigerant                                                                         | Type                               |                                    |                                       |                                        |                 | R-32                        |                       |                       |                       |                       |                       |           |           |  |           |             |
|                                                                                     | GWP                                |                                    |                                       |                                        |                 |                             |                       |                       |                       |                       |                       |           |           |  |           |             |
|                                                                                     | Charge                             |                                    |                                       |                                        |                 |                             |                       |                       |                       |                       |                       | kg        | 675       |  |           |             |
|                                                                                     | Charge                             |                                    |                                       |                                        |                 |                             |                       |                       |                       |                       |                       | TCO₂Eq    | 3,25      |  |           |             |
|                                                                                     | Control                            |                                    |                                       |                                        |                 |                             |                       |                       |                       |                       |                       | 2,19      |           |  |           |             |
|                                                                                     |                                    |                                    |                                       |                                        | Expansion valve |                             |                       |                       |                       |                       |                       |           |           |  |           |             |
| LW(A) Sound power level (according to EN14825)                                      |                                    |                                    |                                       |                                        | 53              |                             |                       |                       |                       |                       |                       |           |           |  |           |             |
| Sound pressure level (at 1 meter)                                                   | Nom.                               |                                    |                                       |                                        |                 | V3: 40,6 - W1: 41,1         |                       |                       |                       |                       |                       |           |           |  |           |             |
| Power supply                                                                        | Name/Phase/Frequency/Voltage       |                                    |                                       |                                        | Hz/V            | V3/1~/50/230 - W1/3~/50/400 |                       |                       |                       |                       |                       |           |           |  |           |             |
| Current                                                                             | Recommended fuses                  |                                    |                                       |                                        | A               | V3: 32 - W1: 16             |                       |                       |                       |                       |                       |           |           |  |           |             |

This product contains fluorinated greenhouse gases.

# Daikin Altherma 3 H MT F

Floor standing integrated with **two different temperature zones monitoring**

- › A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- › Inclusion of all hydraulic components means no third party components are required
- › PCB board and hydraulic components are located in the front for easy access
- › Small installation footprint of 595 x 625 mm
- › Integrated back-up heater of 6 or 9 kW
- › Heat pump operation down to -28 °C



| Efficiency data                                                                     |                                    |                                    |                                        |                                        | ETVZ + EPRA         | 12S18E6V/E9W<br>+ 08EV/W             | 12S23E6V/E9W<br>+ 08EV/W | 12S18E6V/E9W<br>+ 10EV/W | 12S23E6V/E9W<br>+ 10EV/W | 12S18E6V/E9W<br>+ 12EV/W | 12S23E6V/E9W<br>+ 12EV/W |             |
|-------------------------------------------------------------------------------------|------------------------------------|------------------------------------|----------------------------------------|----------------------------------------|---------------------|--------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------|
|  | Space heating                      | Average climate water outlet 55 °C | General                                | SCOP                                   | %                   | 3,41 / 3,52                          |                          | 3,43 / 3,53              |                          |                          |                          |             |
|                                                                                     |                                    |                                    |                                        | ηs (Seasonal space heating efficiency) |                     | 134 / 138                            |                          |                          |                          |                          |                          |             |
|                                                                                     |                                    |                                    |                                        | Seasonal space heating eff. class      |                     | A++                                  |                          |                          |                          |                          |                          |             |
|                                                                                     | Average climate water outlet 35 °C | General                            | SCOP                                   | 4,69 / 4,82                            |                     | 4,71 / 4,69                          |                          | 4,71 / 4,84              |                          |                          |                          |             |
|                                                                                     |                                    |                                    | ηs (Seasonal space heating efficiency) | %                                      | 184 / 190           |                                      | 186 / 184                |                          | 186 / 191                |                          |                          |             |
| Seasonal space heating eff. class                                                   |                                    |                                    | A+++                                   |                                        |                     |                                      |                          |                          |                          |                          |                          |             |
|  | Domestic hot water heating         | General                            | Declared load profile                  |                                        | %                   | L                                    |                          |                          |                          |                          |                          |             |
|                                                                                     |                                    |                                    |                                        | Average climate                        |                     | COPdhw                               | 2,72 / 2,80              | 2,96 / 3,05              | 2,72 / 2,80              | 2,96 / 3,05              | 2,72 / 2,80              | 2,96 / 3,05 |
|                                                                                     |                                    |                                    |                                        | ηwh (water heating efficiency)         |                     | 117 / 120                            | 126 / 130                | 117 / 120                | 126 / 130                | 117 / 120                | 126 / 130                |             |
|                                                                                     |                                    |                                    |                                        | Water heating energy efficiency class  |                     | A+                                   |                          |                          |                          |                          |                          |             |
|                                                                                     |                                    |                                    |                                        |                                        |                     |                                      |                          |                          |                          |                          |                          |             |
| Indoor Unit                                                                         |                                    |                                    |                                        |                                        | ETVZ                | 12S18E6V/E9W                         | 12S23E6V/E9W             | 12S18E6V/E9W             | 12S23E6V/E9W             | 12S18E6V/E9W             | 12S23E6V/E9W             |             |
| Casing                                                                              | Colour                             |                                    |                                        |                                        |                     | White + Black                        |                          |                          |                          |                          |                          |             |
|                                                                                     | Material                           |                                    |                                        |                                        |                     | Precoated sheet metal                |                          |                          |                          |                          |                          |             |
| Dimensions                                                                          | Unit                               | HeightxWidthxDepth                 |                                        |                                        | mm                  | 1,650x595x625                        | 1,850x595x625            | 1,650x595x625            | 1,850x595x625            | 1,650x595x625            | 1,850x595x625            |             |
| Weight                                                                              | Unit                               |                                    |                                        |                                        | kg                  | 114                                  | 122                      | 114                      | 122                      | 114                      | 122                      |             |
| Tank                                                                                | Water volume                       |                                    |                                        |                                        | l                   | 180                                  | 230                      | 180                      | 230                      | 180                      | 230                      |             |
|                                                                                     | Maximum water temperature          |                                    |                                        |                                        | °C                  | 70                                   |                          |                          |                          |                          |                          |             |
|                                                                                     | Maximum water pressure             |                                    |                                        |                                        | bar                 | 10                                   |                          |                          |                          |                          |                          |             |
|                                                                                     | Corrosion protection               |                                    |                                        |                                        |                     | Pickling                             |                          |                          |                          |                          |                          |             |
| Operation range                                                                     | Heating                            | Ambient                            | Min.~Max.                              |                                        | °C                  | -28 ~ 25                             |                          |                          |                          |                          |                          |             |
|                                                                                     |                                    | Water side                         | Min.~Max.                              |                                        | °C                  | 18 ~ 65                              |                          |                          |                          |                          |                          |             |
|                                                                                     | Domestic hot water                 | Ambient                            | Min.~Max.                              |                                        | °C                  | -28 ~ 35                             |                          |                          |                          |                          |                          |             |
|                                                                                     |                                    | Water side                         | Min.~Max.                              |                                        | °C                  | 10 ~ 65                              |                          |                          |                          |                          |                          |             |
| Sound power level                                                                   | Nom.                               |                                    |                                        |                                        | dBA                 | 44                                   |                          |                          |                          |                          |                          |             |
| Sound pressure level                                                                | Nom.                               |                                    |                                        |                                        | dBA                 | 30                                   |                          |                          |                          |                          |                          |             |
| Outdoor Unit                                                                        |                                    |                                    |                                        |                                        | EPRA                | 08EV3/W1                             |                          | 10EV3/W1                 |                          | 12EV3/W1                 |                          |             |
| Dimensions                                                                          | Unit                               | HeightxWidthxDepth                 |                                        |                                        | mm                  | 1003x1270x533                        |                          |                          |                          |                          |                          |             |
| Weight                                                                              | Unit                               |                                    |                                        |                                        | kg                  | 118                                  |                          |                          |                          |                          |                          |             |
| Compressor                                                                          | Quantity                           |                                    |                                        |                                        |                     | 1                                    |                          |                          |                          |                          |                          |             |
|                                                                                     | Type                               |                                    |                                        |                                        |                     | Hermetically sealed swing compressor |                          |                          |                          |                          |                          |             |
| Operation range                                                                     | Heating                            | Min.~Max.                          |                                        | °CDB                                   | -28 ~ 25            |                                      |                          |                          |                          |                          |                          |             |
|                                                                                     |                                    | Domestic hot water                 |                                        | °CDB                                   | -28 ~ 35            |                                      |                          |                          |                          |                          |                          |             |
| Refrigerant                                                                         | Type                               |                                    |                                        |                                        |                     | R-32                                 |                          |                          |                          |                          |                          |             |
|                                                                                     | GWP                                |                                    |                                        |                                        |                     | 675                                  |                          |                          |                          |                          |                          |             |
|                                                                                     | Charge                             |                                    |                                        |                                        | kg                  | 3,25                                 |                          |                          |                          |                          |                          |             |
|                                                                                     | Charge                             |                                    |                                        |                                        | TCO <sub>2</sub> Eq | 2,19                                 |                          |                          |                          |                          |                          |             |
|                                                                                     | Control                            |                                    |                                        |                                        |                     | Expansion valve                      |                          |                          |                          |                          |                          |             |
| LW(A) Sound power level (according to EN14825)                                      |                                    |                                    |                                        |                                        |                     | 53                                   |                          |                          |                          |                          |                          |             |
| Sound pressure level (at 1 meter)                                                   |                                    |                                    |                                        |                                        | Nom.                | V3: 40,6 - W1: 41,1                  |                          |                          |                          |                          |                          |             |
| Power supply                                                                        | Name/Phase/Frequency/Voltage       |                                    |                                        |                                        | Hz/V                | V3/1~/50/230 - W1/3~/50/400          |                          |                          |                          |                          |                          |             |
| Current                                                                             | Recommended fuses                  |                                    |                                        |                                        | A                   | V3: 32 - W1: 16                      |                          |                          |                          |                          |                          |             |

This product contains fluorinated greenhouse gases.

# Daikin Altherma 3 H MT ECH<sub>2</sub>O

Floor standing air-to-water heat pump for **heating and hot water** with thermal solar support

- › Integrated solar unit, offering top comfort in heating and hot water
- › Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- › Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- › Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- › Solar support of domestic hot water with pressureless (drain-back) solar system
- › Heat loss is reduced to a minimum thanks to the high quality insulation
- › App control possible for managing heating, hot water and cooling operation
- › Heat pump operation down to -28 °C
- › Possible to connect to photovoltaic solar panels to provide energy for your heat pump



| Efficiency data                                                                     |                                       |                                    |                                        | ETSH + EPRA                            | 12P30E + 08EV/W                                   | 12P50E + 08EV/W | 12P30E + 10EV/W | 12P50E + 10EV/W | 12P30E + 12EV/W | 12P50E + 12EV/W |             |  |
|-------------------------------------------------------------------------------------|---------------------------------------|------------------------------------|----------------------------------------|----------------------------------------|---------------------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------|--|
|  | Space heating                         | Average climate water outlet 55 °C | General                                | SCOP                                   | 3,41 / 3,52                                       |                 | 3,43 / 3,53     |                 |                 |                 |             |  |
|                                                                                     |                                       |                                    |                                        | ηs (Seasonal space heating efficiency) |                                                   |                 | 134 / 138       |                 |                 |                 |             |  |
|                                                                                     |                                       |                                    |                                        | Seasonal space heating eff. class      |                                                   |                 | A++             |                 |                 |                 |             |  |
|                                                                                     | Average climate water outlet 35 °C    | General                            | SCOP                                   | 4,69 / 4,81                            |                                                   | 4,71 / 4,84     |                 | 4,71 / 4,84     |                 |                 |             |  |
|                                                                                     |                                       |                                    | ηs (Seasonal space heating efficiency) | 184 / 190                              |                                                   | 186 / 191       |                 | 186 / 191       |                 |                 |             |  |
|  | Domestic hot water heating            | Average climate                    | General                                | Seasonal space heating eff. class      | A+++                                              |                 |                 |                 |                 |                 |             |  |
|                                                                                     |                                       |                                    |                                        | Declared load profile                  | L                                                 |                 |                 |                 |                 |                 |             |  |
|                                                                                     |                                       |                                    |                                        | COPdhw                                 | 2,75 / 2,83                                       |                 | 3,10 / 3,17     |                 | 2,75 / 2,83     |                 | 3,10 / 3,17 |  |
|                                                                                     |                                       |                                    |                                        | ηwh (water heating efficiency)         | 116 / 119                                         |                 | 128 / 131       |                 | 116 / 119       |                 | 128 / 131   |  |
|                                                                                     | Water heating energy efficiency class |                                    |                                        |                                        | A+                                                |                 |                 |                 |                 |                 |             |  |
| Indoor Unit                                                                         |                                       |                                    |                                        | ETSH                                   | 12P30E                                            | 12P50E          | 12P30E          | 12P50E          | 12P30E          | 12P50E          |             |  |
| Casing                                                                              | Colour                                |                                    | Material                               | mm                                     | Traffic white (RAL9016) / Traffic black (RAL9017) |                 |                 |                 |                 |                 |             |  |
|                                                                                     | Impact resistant polypropylene        |                                    |                                        |                                        |                                                   |                 |                 |                 |                 |                 |             |  |
| Dimensions                                                                          | Unit                                  | HeightxWidthxDepth                 |                                        | mm                                     | 1892x594x644                                      | 1910x792x816    | 1892x594x644    | 1910x792x816    | 1892x594x644    | 1910x792x816    |             |  |
| Weight                                                                              | Unit                                  |                                    |                                        | kg                                     | 75                                                | 98              | 75              | 98              | 75              | 98              |             |  |
| Tank                                                                                | Water volume                          |                                    | Maximum water temperature              | °C                                     | 294                                               | 477             | 294             | 477             | 294             | 477             |             |  |
|                                                                                     | 85                                    |                                    |                                        |                                        |                                                   |                 |                 |                 |                 |                 |             |  |
| Operation range                                                                     | Heating                               | Ambient                            | Min.~Max.                              | °C                                     | -28 ~ 25                                          |                 |                 |                 |                 |                 |             |  |
|                                                                                     |                                       | Water side                         | Min.~Max.                              | °C                                     | 18 ~ 65                                           |                 |                 |                 |                 |                 |             |  |
|                                                                                     | Domestic hot water                    | Ambient                            | Min.~Max.                              | °C                                     | -28 ~ 35                                          |                 |                 |                 |                 |                 |             |  |
|                                                                                     |                                       | Water side                         | Min.~Max.                              | °C                                     | 10 ~ 63                                           |                 |                 |                 |                 |                 |             |  |
| Sound power level                                                                   | Nom.                                  |                                    | dBA                                    |                                        | 47.3                                              |                 |                 |                 |                 |                 |             |  |
| Sound pressure level                                                                | Nom.                                  |                                    | dBA                                    |                                        | 38.6                                              |                 |                 |                 |                 |                 |             |  |
| Outdoor Unit                                                                        |                                       |                                    |                                        | EPRA                                   | 08EV3/W1                                          |                 | 10EV3/W1        |                 | 12EV3/W1        |                 |             |  |
| Dimensions                                                                          | Unit                                  | HeightxWidthxDepth                 |                                        | mm                                     | 1003x1270x533                                     |                 |                 |                 |                 |                 |             |  |
| Weight                                                                              | Unit                                  |                                    |                                        | kg                                     | 118                                               |                 |                 |                 |                 |                 |             |  |
| Compressor                                                                          | Quantity                              |                                    | Type                                   |                                        | 1                                                 |                 |                 |                 |                 |                 |             |  |
|                                                                                     | Hermetically sealed swing compressor  |                                    |                                        |                                        |                                                   |                 |                 |                 |                 |                 |             |  |
| Operation range                                                                     | Heating                               | Min.~Max.                          | °CDB                                   |                                        | -28 ~ 25                                          |                 |                 |                 |                 |                 |             |  |
|                                                                                     |                                       | Domestic hot water                 | Min.~Max.                              |                                        | °CDB                                              | -28 ~ 35        |                 |                 |                 |                 |             |  |
| Refrigerant                                                                         | Type                                  |                                    | TCO <sub>2</sub> Eq                    |                                        | R-32                                              |                 |                 |                 |                 |                 |             |  |
|                                                                                     | GWP                                   |                                    |                                        |                                        | 675                                               |                 |                 |                 |                 |                 |             |  |
|                                                                                     | Charge                                |                                    |                                        |                                        | 3,25                                              |                 |                 |                 |                 |                 |             |  |
|                                                                                     | Charge                                |                                    |                                        |                                        | 2,19                                              |                 |                 |                 |                 |                 |             |  |
|                                                                                     | Control                               |                                    |                                        |                                        | Expansion valve                                   |                 |                 |                 |                 |                 |             |  |
| LW(A) Sound power level (according to EN14825)                                      |                                       |                                    |                                        |                                        | 53                                                |                 |                 |                 |                 |                 |             |  |
| Sound pressure level (at 1 meter)                                                   | Nom.                                  |                                    |                                        |                                        | V3: 40,6 - W1: 41,1                               |                 |                 |                 |                 |                 |             |  |
| Power supply                                                                        | Name/Phase/Frequency/Voltage          |                                    | Hz/V                                   |                                        | V3/1~/50/230 - W1/3~/50/400                       |                 |                 |                 |                 |                 |             |  |
| Current                                                                             | Recommended fuses                     |                                    | A                                      |                                        | V3: 32 - W1: 16                                   |                 |                 |                 |                 |                 |             |  |

This product contains fluorinated greenhouse gases.

# Daikin Altherma 3 H MT ECH<sub>2</sub>O

Floor standing air-to-water heat pump for **bivalent heating and hot water** with thermal solar support

- › Integrated solar unit, offering top comfort in heating and hot water
- › Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- › Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- › Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- › Bivalent system: combinable with a secondary heat source
- › Heat loss is reduced to a minimum thanks to the high quality insulation
- › App control possible for managing heating and hot water operation
- › Heat pump operation down to -28°C



| Efficiency data                                                                     |                                    |                                    |                                        | ETSHB + EPRA                           | 12P30E + 08EV/W                      | 12P50E + 08EV/W                                   | 12P30E + 10EV/W | 12P50E + 10EV/W | 12P30E + 12EV/W | 12P50E + 12EV/W |     |
|-------------------------------------------------------------------------------------|------------------------------------|------------------------------------|----------------------------------------|----------------------------------------|--------------------------------------|---------------------------------------------------|-----------------|-----------------|-----------------|-----------------|-----|
|  | Space heating                      | Average climate water outlet 55 °C | General                                | SCOP                                   | 3,41 / 3,52                          |                                                   | 3,43 / 3,53     |                 |                 |                 |     |
|                                                                                     |                                    |                                    |                                        | ηs (Seasonal space heating efficiency) | 134 / 138                            |                                                   |                 |                 |                 |                 |     |
|                                                                                     |                                    |                                    |                                        | Seasonal space heating eff. class      | A++                                  |                                                   |                 |                 |                 |                 |     |
|                                                                                     | Average climate water outlet 35 °C | General                            | SCOP                                   | 4,69 / 4,81                            |                                      | 4,71 / 4,84                                       |                 | 4,71 / 4,84     |                 |                 |     |
|                                                                                     |                                    |                                    | ηs (Seasonal space heating efficiency) | 184 / 190                              |                                      | 186 / 191                                         |                 | 186 / 191       |                 |                 |     |
|                                                                                     |                                    |                                    | Seasonal space heating eff. class      | A+++                                   |                                      |                                                   |                 |                 |                 |                 |     |
|  | Domestic hot water heating         | Average climate                    | General                                | Declared load profile                  | L                                    |                                                   |                 |                 |                 |                 |     |
|                                                                                     |                                    |                                    |                                        | COPdhw                                 | 2,75 / 2,83                          | 3,10 / 3,17                                       | 2,75 / 2,83     | 3,10 / 3,17     | 2,75 / 2,83     | 3,10 / 3,17     |     |
|                                                                                     |                                    |                                    |                                        | ηwh (water heating efficiency)         | 116 / 119                            | 128 / 131                                         | 116 / 119       | 128 / 131       | 116 / 119       | 128 / 131       |     |
|                                                                                     |                                    |                                    |                                        | Water heating energy efficiency class  | A+                                   |                                                   |                 |                 |                 |                 |     |
| Indoor Unit                                                                         |                                    |                                    |                                        | ETSHB                                  | 12P30E                               | 12P50E                                            | 12P30E          | 12P50E          | 12P30E          | 12P50E          |     |
| Casing                                                                              | Colour                             |                                    |                                        |                                        |                                      | Traffic white (RAL9016) / Traffic black (RAL9017) |                 |                 |                 |                 |     |
|                                                                                     | Material                           |                                    |                                        |                                        |                                      | Impact resistant polypropylene                    |                 |                 |                 |                 |     |
| Dimensions                                                                          | Unit                               | HeightxWidthxDepth                 | mm                                     | 1892x594x644                           | 1910x792x816                         | 1892x594x644                                      | 1910x792x816    | 1892x594x644    | 1910x792x816    |                 |     |
| Weight                                                                              | Unit                               |                                    |                                        |                                        | kg                                   | 76                                                | 100             | 76              | 100             | 76              | 100 |
| Tank                                                                                | Water volume                       |                                    |                                        |                                        | l                                    | 294                                               | 477             | 294             | 477             | 294             | 477 |
|                                                                                     | Maximum water temperature          |                                    |                                        |                                        | °C                                   | 85                                                |                 |                 |                 |                 |     |
| Operation range                                                                     | Heating                            | Ambient                            | Min.~Max.                              | °C                                     | -28 ~ 35                             |                                                   |                 |                 |                 |                 |     |
|                                                                                     |                                    | Water side                         | Min.~Max.                              | °C                                     | 18 ~ 65                              |                                                   |                 |                 |                 |                 |     |
|                                                                                     | Domestic hot water                 | Ambient                            | Min.~Max.                              | °C                                     | -28 ~ 35                             |                                                   |                 |                 |                 |                 |     |
|                                                                                     |                                    | Water side                         | Min.~Max.                              | °C                                     | 10 ~ 63                              |                                                   |                 |                 |                 |                 |     |
| Sound power level                                                                   | Nom.                               |                                    |                                        |                                        | dBA                                  | 45.6                                              |                 |                 |                 |                 |     |
| Sound pressure level                                                                | Nom.                               |                                    |                                        |                                        | dBA                                  | 32.8                                              |                 |                 |                 |                 |     |
| Outdoor Unit                                                                        |                                    |                                    |                                        | EPRA                                   | 08EV3/W1                             |                                                   | 10EV3/W1        |                 | 12EV3/W1        |                 |     |
| Dimensions                                                                          | Unit                               | HeightxWidthxDepth                 | mm                                     | 1003x1270x533                          |                                      |                                                   |                 |                 |                 |                 |     |
| Weight                                                                              | Unit                               |                                    |                                        |                                        | kg                                   | 118                                               |                 |                 |                 |                 |     |
| Compressor                                                                          | Quantity                           |                                    |                                        |                                        | 1                                    |                                                   |                 |                 |                 |                 |     |
|                                                                                     | Type                               |                                    |                                        |                                        | Hermetically sealed swing compressor |                                                   |                 |                 |                 |                 |     |
| Operation range                                                                     | Heating                            | Min.~Max.                          |                                        | °CDB                                   | -28 ~ 25                             |                                                   |                 |                 |                 |                 |     |
|                                                                                     | Domestic hot water                 | Min.~Max.                          |                                        | °CDB                                   | -28 ~ 35                             |                                                   |                 |                 |                 |                 |     |
| Refrigerant                                                                         | Type                               |                                    |                                        |                                        | R-32                                 |                                                   |                 |                 |                 |                 |     |
|                                                                                     | GWP                                |                                    |                                        |                                        | 675                                  |                                                   |                 |                 |                 |                 |     |
|                                                                                     | Charge                             |                                    |                                        |                                        | kg                                   | 3,25                                              |                 |                 |                 |                 |     |
|                                                                                     | Charge                             |                                    |                                        |                                        | TCO <sub>2</sub> Eq                  | 2,19                                              |                 |                 |                 |                 |     |
|                                                                                     | Control                            |                                    |                                        |                                        | Expansion valve                      |                                                   |                 |                 |                 |                 |     |
| LW(A) Sound power level (according to EN14825)                                      |                                    |                                    |                                        | 53                                     |                                      |                                                   |                 |                 |                 |                 |     |
| Sound pressure level (at 1 meter)                                                   | Nom.                               |                                    |                                        |                                        | V3: 40,6 - W1: 41,1                  |                                                   |                 |                 |                 |                 |     |
| Power supply                                                                        | Name/Phase/Frequency/Voltage       |                                    |                                        | Hz/V                                   | V3/1~/50/230 - W1/3~/50/400          |                                                   |                 |                 |                 |                 |     |
| Current                                                                             | Recommended fuses                  |                                    |                                        | A                                      | V3: 32 - W1: 16                      |                                                   |                 |                 |                 |                 |     |

This product contains fluorinated greenhouse gases.

# Daikin Altherma 3 H MT ECH<sub>2</sub>O

Floor standing air-to-water heat pump for **heating, cooling and hot water** with thermal solar support

- › Integrated solar unit, offering top comfort in heating, hot water and cooling
- › Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- › Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- › Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- › Solar support of domestic hot water with pressureless (drain-back) solar system
- › Heat loss is reduced to a minimum thanks to the high quality insulation
- › App control possible for managing heating, hot water and cooling operation
- › Outdoor unit extracts heat from the outdoor air, even at -28 °C
- › Possible to connect to photovoltaic solar panels to provide energy for your heat pump



| Efficiency data                                                                     |                                    |                                                   |                     | ETSX + EPRA                              | 12P30E + 08EV/W | 12P50E + 08EV/W | 12P30E + 10EV/W | 12P50E + 10EV/W | 12P30E + 12EV/W | 12P50E + 12EV/W |
|-------------------------------------------------------------------------------------|------------------------------------|---------------------------------------------------|---------------------|------------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
|  | Space heating                      | Average climate water outlet 55 °C                | General             | SCOP                                     | 3,47 / 3,59     |                 | 3,48 / 3,60     |                 |                 |                 |
|                                                                                     |                                    |                                                   |                     | ηs (Seasonal space heating efficiency) % | 136 / 141       |                 |                 |                 |                 |                 |
|                                                                                     |                                    | Seasonal space heating eff. class                 | A++                 |                                          |                 |                 |                 |                 |                 |                 |
|                                                                                     | Average climate water outlet 35 °C | General                                           | SCOP                | 4,79 / 4,95                              |                 | 4,82 / 4,98     |                 |                 |                 |                 |
| ηs (Seasonal space heating efficiency) %                                            |                                    |                                                   | 189 / 195           |                                          | 190 / 196       |                 |                 |                 |                 |                 |
|                                                                                     |                                    | Seasonal space heating eff. class                 | A+++                |                                          |                 |                 |                 |                 |                 |                 |
|  |                                    | Domestic hot water heating                        | General             | Declared load profile                    |                 | L               |                 |                 |                 |                 |
|                                                                                     | Average climate                    |                                                   | COPdhw              | 2,75 / 2,83                              | 3,10 / 3,17     | 2,75 / 2,83     | 3,10 / 3,17     | 2,75 / 2,83     | 3,10 / 3,17     |                 |
|                                                                                     |                                    | ηwh (water heating efficiency) %                  | 116 / 119           | 128 / 131                                | 116 / 119       | 128 / 131       | 116 / 119       | 128 / 131       |                 |                 |
|                                                                                     |                                    | Water heating energy efficiency class             | A+                  |                                          |                 |                 |                 |                 |                 |                 |
| Indoor Unit                                                                         |                                    |                                                   |                     | ETSX                                     | 12P30E          | 12P50E          | 12P30E          | 12P50E          | 12P30E          | 12P50E          |
| Casing                                                                              | Colour                             | Traffic white (RAL9016) / Traffic black (RAL9017) |                     |                                          |                 |                 |                 |                 |                 |                 |
|                                                                                     | Material                           | Impact resistant polypropylene                    |                     |                                          |                 |                 |                 |                 |                 |                 |
| Dimensions                                                                          | Unit                               | HeightxWidthxDepth                                | mm                  | 1892x594x644                             | 1910x792x816    | 1892x594x644    | 1910x792x816    | 1892x594x644    | 1910x792x816    |                 |
| Weight                                                                              | Unit                               |                                                   | kg                  | 75                                       | 98              | 75              | 98              | 75              | 98              |                 |
| Tank                                                                                | Water volume                       |                                                   | l                   | 294                                      | 477             | 294             | 477             | 294             | 477             |                 |
|                                                                                     | Maximum water temperature          |                                                   | °C                  | 85                                       |                 |                 |                 |                 |                 |                 |
| Operation range                                                                     | Heating                            | Ambient                                           | Min.~Max.           | °C                                       | -28 ~ 25        |                 |                 |                 |                 |                 |
|                                                                                     |                                    | Water side                                        | Min.~Max.           | °C                                       | 18 ~ 65         |                 |                 |                 |                 |                 |
|                                                                                     | Cooling                            | Ambient                                           | Min.~Max.           | °C                                       | 10 ~ 43         |                 |                 |                 |                 |                 |
|                                                                                     |                                    | Water side                                        | Min.~Max.           | °C                                       | 5 ~ 22          |                 |                 |                 |                 |                 |
|                                                                                     | Domestic hot water                 | Ambient                                           | Min.~Max.           | °C                                       | -28 ~ 35        |                 |                 |                 |                 |                 |
|                                                                                     |                                    | Water side                                        | Min.~Max.           | °C                                       | 10 ~ 63         |                 |                 |                 |                 |                 |
| Sound power level                                                                   | Nom.                               |                                                   | dBA                 | 47.3                                     |                 |                 |                 |                 |                 |                 |
| Sound pressure level                                                                | Nom.                               |                                                   | dBA                 | 38.6                                     |                 |                 |                 |                 |                 |                 |
| Outdoor Unit                                                                        |                                    |                                                   |                     | EPRA                                     | 08EV3/W1        |                 | 10EV3/W1        |                 | 12EV3/W1        |                 |
| Dimensions                                                                          | Unit                               | HeightxWidthxDepth                                | mm                  | 1003x1270x533                            |                 |                 |                 |                 |                 |                 |
| Weight                                                                              | Unit                               |                                                   | kg                  | 118                                      |                 |                 |                 |                 |                 |                 |
| Compressor                                                                          | Quantity                           |                                                   |                     | 1                                        |                 |                 |                 |                 |                 |                 |
|                                                                                     | Type                               |                                                   |                     | Hermetically sealed swing compressor     |                 |                 |                 |                 |                 |                 |
| Operation range                                                                     | Heating                            | Min.~Max.                                         | °CDB                | -28 ~ 25                                 |                 |                 |                 |                 |                 |                 |
|                                                                                     | Cooling                            | Min.~Max.                                         | °CDB                | 10 ~ 43                                  |                 |                 |                 |                 |                 |                 |
|                                                                                     | Domestic hot water                 | Min.~Max.                                         | °CDB                | -28 ~ 35                                 |                 |                 |                 |                 |                 |                 |
| Refrigerant                                                                         | Type                               |                                                   |                     | R-32                                     |                 |                 |                 |                 |                 |                 |
|                                                                                     | GWP                                |                                                   |                     | 675.0                                    |                 |                 |                 |                 |                 |                 |
|                                                                                     | Charge                             |                                                   | kg                  | 3,25                                     |                 |                 |                 |                 |                 |                 |
|                                                                                     | Charge                             |                                                   | TCO <sub>2</sub> Eq | 2,19                                     |                 |                 |                 |                 |                 |                 |
|                                                                                     | Control                            |                                                   |                     | Expansion valve                          |                 |                 |                 |                 |                 |                 |
| LW(A) Sound power level (according to EN14825)                                      |                                    |                                                   |                     | 53                                       |                 |                 |                 |                 |                 |                 |
| Sound pressure level (at 1 meter)                                                   |                                    |                                                   |                     | V3: 40,6 - W1: 41,1                      |                 |                 |                 |                 |                 |                 |
| Power supply                                                                        |                                    |                                                   |                     | V3/1~/50/230 - W1/3~/50/400              |                 |                 |                 |                 |                 |                 |
| Current                                                                             | Name/Phase/Frequency/Voltage       |                                                   |                     | V3: 32 - W1: 16                          |                 |                 |                 |                 |                 |                 |
|                                                                                     | Recommended fuses                  |                                                   |                     | A                                        |                 |                 |                 |                 |                 |                 |

This product contains fluorinated greenhouse gases.

# Daikin Altherma 3 H MT ECH<sub>2</sub>O

Floor standing air-to-water heat pump  
for **bivalent heating, cooling and hot water** with thermal solar support

- › Integrated solar unit, offering top comfort in heating and hot water
- › Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- › Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- › Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- › Bivalent system: combinable with a secondary heat source
- › Heat loss is reduced to a minimum thanks to the high quality insulation
- › App control possible for managing heating and hot water operation



| Efficiency data                                                                     |                                    |                                       |                                        | ETSXB-D + EPRA      | 12P30E + 08EV/W                      | 12P50E + 08EV/W                                   | 12P30E + 10EV/W | 12P50E + 10EV/W | 12P30E + 12EV/W | 12P50E + 12EV/W |     |
|-------------------------------------------------------------------------------------|------------------------------------|---------------------------------------|----------------------------------------|---------------------|--------------------------------------|---------------------------------------------------|-----------------|-----------------|-----------------|-----------------|-----|
|  | Average climate water outlet 55 °C | General                               | SCOP                                   |                     | 3,47 / 3,59                          |                                                   | 3,48 / 3,60     |                 |                 |                 |     |
|                                                                                     |                                    |                                       | ηs (Seasonal space heating efficiency) | %                   | 136 / 141                            |                                                   |                 |                 |                 |                 |     |
|                                                                                     |                                    |                                       | Seasonal space heating eff. class      |                     | A++                                  |                                                   |                 |                 |                 |                 |     |
|                                                                                     | Average climate water outlet 35 °C | General                               | SCOP                                   |                     | 4,79 / 4,95                          |                                                   | 4,82 / 4,98     |                 |                 |                 |     |
|                                                                                     |                                    |                                       | ηs (Seasonal space heating efficiency) | %                   | 189 / 195                            |                                                   | 190 / 196       |                 |                 |                 |     |
| Seasonal space heating eff. class                                                   |                                    |                                       |                                        | A+++                |                                      |                                                   |                 |                 |                 |                 |     |
|  | General                            | Declared load profile                 |                                        |                     | L                                    |                                                   |                 |                 |                 |                 |     |
|                                                                                     | Average climate                    | COPdhw                                |                                        | 2,75 / 2,83         | 3,10 / 3,17                          | 2,75 / 2,83                                       | 3,10 / 3,17     | 2,75 / 2,83     | 3,10 / 3,17     |                 |     |
|                                                                                     |                                    | ηwh (water heating efficiency)        | %                                      | 116 / 119           | 128 / 131                            | 116 / 119                                         | 128 / 131       | 116 / 119       | 128 / 131       |                 |     |
|                                                                                     |                                    | Water heating energy efficiency class |                                        |                     | A+                                   |                                                   |                 |                 |                 |                 |     |
| Indoor Unit                                                                         |                                    |                                       |                                        | ETSXB               | 12P30E                               | 12P50E                                            | 12P30E          | 12P50E          | 12P30E          | 12P50E          |     |
| Casing                                                                              | Colour                             |                                       |                                        |                     |                                      | Traffic white (RAL9016) / Traffic black (RAL9017) |                 |                 |                 |                 |     |
|                                                                                     | Material                           |                                       |                                        |                     |                                      | Impact resistant polypropylene                    |                 |                 |                 |                 |     |
| Dimensions                                                                          | Unit                               | HeightxWidthxDepth                    |                                        | mm                  | 1892x594x644                         | 1910x792x816                                      | 1892x594x644    | 1910x792x816    | 1892x594x644    | 1910x792x816    |     |
| Weight                                                                              | Unit                               |                                       |                                        |                     | kg                                   | 76                                                | 100             | 76              | 100             | 76              | 100 |
| Tank                                                                                | Water volume                       |                                       |                                        | l                   | 294                                  | 477                                               | 294             | 477             | 294             | 477             |     |
|                                                                                     | Maximum water temperature          |                                       |                                        | °C                  | 85                                   |                                                   |                 |                 |                 |                 |     |
| Operation range                                                                     | Heating                            | Ambient                               | Min.~Max.                              | °C                  | -28 ~ 25                             |                                                   |                 |                 |                 |                 |     |
|                                                                                     |                                    | Water side                            | Min.~Max.                              | °C                  | 18 ~ 65                              |                                                   |                 |                 |                 |                 |     |
|                                                                                     | Cooling                            | Ambient                               | Min.~Max.                              | °C                  | 10 ~ 43                              |                                                   |                 |                 |                 |                 |     |
|                                                                                     |                                    | Water side                            | Min.~Max.                              | °C                  | 5 ~ 22                               |                                                   |                 |                 |                 |                 |     |
|                                                                                     | Domestic hot water                 | Ambient                               | Min.~Max.                              | °C                  | -28 ~ 35                             |                                                   |                 |                 |                 |                 |     |
|                                                                                     |                                    | Water side                            | Min.~Max.                              | °C                  | 10 ~ 63                              |                                                   |                 |                 |                 |                 |     |
| Sound power level                                                                   | Nom.                               |                                       |                                        |                     | dBA                                  | 47.3                                              |                 |                 |                 |                 |     |
| Sound pressure level                                                                | Nom.                               |                                       |                                        |                     | dBA                                  | 38.6                                              |                 |                 |                 |                 |     |
| Outdoor Unit                                                                        |                                    |                                       |                                        | EPRA                | 08EV3/W1                             |                                                   | 10EV3/W1        |                 | 12EV3/W1        |                 |     |
| Dimensions                                                                          | Unit                               | HeightxWidthxDepth                    |                                        | mm                  | 1003x1270x533                        |                                                   |                 |                 |                 |                 |     |
| Weight                                                                              | Unit                               |                                       |                                        |                     | kg                                   | 118                                               |                 |                 |                 |                 |     |
| Compressor                                                                          | Quantity                           |                                       |                                        |                     | 1                                    |                                                   |                 |                 |                 |                 |     |
|                                                                                     | Type                               |                                       |                                        |                     | Hermetically sealed swing compressor |                                                   |                 |                 |                 |                 |     |
| Operation range                                                                     | Heating                            | Min.~Max.                             |                                        | °CDB                | -28 ~ 25                             |                                                   |                 |                 |                 |                 |     |
|                                                                                     | Cooling                            | Min.~Max.                             |                                        | °CDB                | 10 ~ 43                              |                                                   |                 |                 |                 |                 |     |
|                                                                                     | Domestic hot water                 | Min.~Max.                             |                                        | °CDB                | -28 ~ 35                             |                                                   |                 |                 |                 |                 |     |
| Refrigerant                                                                         | Type                               |                                       |                                        |                     | R-32                                 |                                                   |                 |                 |                 |                 |     |
|                                                                                     | GWP                                |                                       |                                        |                     | 675.0                                |                                                   |                 |                 |                 |                 |     |
|                                                                                     | Charge                             |                                       |                                        | kg                  | 3,25                                 |                                                   |                 |                 |                 |                 |     |
|                                                                                     | Charge                             |                                       |                                        | TCO <sub>2</sub> Eq | 2,19                                 |                                                   |                 |                 |                 |                 |     |
|                                                                                     | Control                            |                                       |                                        |                     | Expansion valve                      |                                                   |                 |                 |                 |                 |     |
| LW(A) Sound power level (according to EN14825)                                      |                                    |                                       |                                        | 53                  |                                      |                                                   |                 |                 |                 |                 |     |
| Sound pressure level (at 1 meter)                                                   | Nom.                               |                                       |                                        |                     |                                      | V3: 40,6 - W1: 41,1                               |                 |                 |                 |                 |     |
| Power supply                                                                        | Name/Phase/Frequency/Voltage       |                                       |                                        | Hz/V                | V3/1~/50/230 - W1/3~/50/400          |                                                   |                 |                 |                 |                 |     |
| Current                                                                             | Recommended fuses                  |                                       |                                        | A                   | V3: 32 - W1: 16                      |                                                   |                 |                 |                 |                 |     |

This product contains fluorinated greenhouse gases.

# Daikin Altherma 3 H MT W

Wall mounted **heating only** air-to-water heat pump

- › Inclusion of all hydraulic components means no third party components are required
- › PCB board and hydraulic components are located in the front for easy access
- › Compact dimensions allows for small installation space, as almost no side clearances are required
- › The unit's sleek design blends in with other household appliances
- › Combine with a stainless steel tank or ECH<sub>2</sub>O thermal store
- › Heat pump operation down to -28 °C



| Efficiency data                                                                     |                                    |                                    |                                        | ETBH + EPRA                            |                             | 12E6V + 08EV/W                       | 12E9W + 08EV/W | 12E6V + 10EV/W | 12E9W + 10EV/W | 12E6V + 12EV/W | 12E9W + 12EV/W |
|-------------------------------------------------------------------------------------|------------------------------------|------------------------------------|----------------------------------------|----------------------------------------|-----------------------------|--------------------------------------|----------------|----------------|----------------|----------------|----------------|
|  | Space heating                      | Average climate water outlet 55 °C | General                                | SCOP                                   |                             | 3,41 / 3,52                          |                | 3,43 / 3,53    |                |                |                |
|                                                                                     |                                    |                                    |                                        | ηs (Seasonal space heating efficiency) | %                           | 134 / 138                            |                |                |                |                |                |
|                                                                                     |                                    |                                    |                                        | Seasonal space heating eff. class      |                             | A++                                  |                |                |                |                |                |
|                                                                                     | Average climate water outlet 35 °C | General                            | SCOP                                   |                                        | 4,69 / 4,81                 |                                      | 4,71 / 4,84    |                | 4,71 / 4,84    |                |                |
|                                                                                     |                                    |                                    | ηs (Seasonal space heating efficiency) | %                                      | 184 / 190                   |                                      | 186 / 191      |                | 186 / 191      |                |                |
|                                                                                     |                                    |                                    | Seasonal space heating eff. class      |                                        | A+++                        |                                      |                |                |                |                |                |
| Indoor Unit                                                                         |                                    |                                    |                                        | ETBH                                   | 12E6V                       | 12E9W                                | 12E6V          | 12E9W          | 12E6V          | 12E9W          |                |
| Casing                                                                              | Colour                             |                                    |                                        |                                        |                             | White + Black                        |                |                |                |                |                |
|                                                                                     | Material                           |                                    |                                        |                                        |                             | Sheet metal                          |                |                |                |                |                |
| Dimensions                                                                          | Unit                               | HeightxWidthxDepth                 |                                        | mm                                     | 840x440x390                 |                                      |                |                |                |                |                |
| Weight                                                                              | Unit                               |                                    |                                        |                                        |                             | 36,5                                 |                |                |                |                |                |
| Operation range                                                                     | Heating                            | Ambient                            | Min.~Max.                              | °C                                     | -28 ~ 25                    |                                      |                |                |                |                |                |
|                                                                                     |                                    | Water side                         | Min.~Max.                              | °C                                     | 18 ~ 65                     |                                      |                |                |                |                |                |
|                                                                                     | Domestic hot water                 | Ambient                            | Min.~Max.                              | °C                                     | -28 ~ 35                    |                                      |                |                |                |                |                |
|                                                                                     |                                    | Water side                         | Min.~Max.                              | °C                                     | 10 ~ 63                     |                                      |                |                |                |                |                |
| Sound power level                                                                   | Nom.                               |                                    |                                        |                                        |                             | 44                                   |                |                |                |                |                |
| Sound pressure level                                                                | Nom.                               |                                    |                                        |                                        |                             | 30                                   |                |                |                |                |                |
| Outdoor Unit                                                                        |                                    |                                    |                                        | EPRA                                   | 08EV3/W1                    |                                      | 10EV3/W1       |                | 12EV3/W1       |                |                |
| Dimensions                                                                          | Unit                               | HeightxWidthxDepth                 |                                        | mm                                     | 1003x1270x533               |                                      |                |                |                |                |                |
| Weight                                                                              | Unit                               |                                    |                                        |                                        |                             | 118                                  |                |                |                |                |                |
| Compressor                                                                          | Quantity                           |                                    |                                        |                                        |                             | 1                                    |                |                |                |                |                |
|                                                                                     | Type                               |                                    |                                        |                                        |                             | Hermetically sealed swing compressor |                |                |                |                |                |
| Operation range                                                                     | Heating                            |                                    | Min.~Max.                              | °CDB                                   | -28 ~ 25                    |                                      |                |                |                |                |                |
|                                                                                     | Domestic hot water                 |                                    | Min.~Max.                              | °CDB                                   | -28 ~ 35                    |                                      |                |                |                |                |                |
| Refrigerant                                                                         | Type                               |                                    |                                        |                                        |                             | R-32                                 |                |                |                |                |                |
|                                                                                     | GWP                                |                                    |                                        |                                        |                             | 675,0                                |                |                |                |                |                |
|                                                                                     | Charge                             |                                    |                                        |                                        |                             | 3,25                                 |                |                |                |                |                |
|                                                                                     | Charge                             |                                    |                                        |                                        |                             | 2,19                                 |                |                |                |                |                |
|                                                                                     | Control                            |                                    |                                        |                                        |                             | Expansion valve                      |                |                |                |                |                |
| LW(A) Sound power level (according to EN14825)                                      |                                    |                                    |                                        |                                        | 53                          |                                      |                |                |                |                |                |
| Sound pressure level (at 1 meter)                                                   | Nom.                               |                                    |                                        |                                        |                             | V3: 40,6 - W1: 41,1                  |                |                |                |                |                |
| Power supply                                                                        | Name/Phase/Frequency/Voltage       |                                    |                                        | Hz/V                                   | V3/1~/50/230 - W1/3~/50/400 |                                      |                |                |                |                |                |
| Current                                                                             | Recommended fuses                  |                                    |                                        | A                                      | V3:32 - W1: 16              |                                      |                |                |                |                |                |

This product contains fluorinated greenhouse gases.

# Daikin Altherma 3 H MT W

Wall mounted **reversible** air-to-water heat pump

- › Inclusion of all hydraulic components means no third party components are required
- › PCB board and hydraulic components are located in the front for easy access
- › Compact dimensions allows for small installation space, as almost no side clearances are required
- › The unit's sleek design blends in with other household appliances
- › Combine with a stainless steel tank or ECH<sub>2</sub>O thermal store
- › Heat pump operation down to -28 °C



| Efficiency data                                                                     |                                    |                                    |                                                    | ETBX + EPRA                                        | 12E6V + 08EV/W                       | 12E9W + 08EV/W | 12E6V + 10EV/W | 12E9W + 10EV/W | 12E6V + 12EV/W | 12E9W + 12EV/W |  |
|-------------------------------------------------------------------------------------|------------------------------------|------------------------------------|----------------------------------------------------|----------------------------------------------------|--------------------------------------|----------------|----------------|----------------|----------------|----------------|--|
|  | Space heating                      | Average climate water outlet 55 °C | General                                            | SCOP                                               | 3,47 / 3,59                          |                | 3,48 / 3,60    |                |                |                |  |
|                                                                                     |                                    |                                    |                                                    | η <sub>s</sub> (Seasonal space heating efficiency) | %                                    | 136 / 141      |                |                |                |                |  |
|                                                                                     |                                    |                                    |                                                    | Seasonal space heating eff. class                  | A++                                  |                |                |                |                |                |  |
|                                                                                     | Average climate water outlet 35 °C | General                            | SCOP                                               | 4,79 / 4,95                                        |                                      | 4,82 / 4,98    |                |                |                |                |  |
|                                                                                     |                                    |                                    | η <sub>s</sub> (Seasonal space heating efficiency) | %                                                  | 188 / 195                            |                | 190 / 196      |                |                |                |  |
|                                                                                     |                                    |                                    | Seasonal space heating eff. class                  | A+++                                               |                                      |                |                |                |                |                |  |
| Indoor Unit                                                                         |                                    |                                    |                                                    | ETBX                                               | 12E6V                                | 12E9W          | 12E6V          | 12E9W          | 12E6V          | 12E9W          |  |
| Casing                                                                              | Colour                             |                                    |                                                    |                                                    | White + Black                        |                |                |                |                |                |  |
|                                                                                     | Material                           |                                    |                                                    |                                                    | Sheet metal                          |                |                |                |                |                |  |
| Dimensions                                                                          | Unit                               | HeightxWidthxDepth                 |                                                    |                                                    | mm                                   | 840x440x390    |                |                |                |                |  |
| Weight                                                                              | Unit                               |                                    |                                                    |                                                    | kg                                   | 36,5           |                |                |                |                |  |
| Operation range                                                                     | Heating                            | Ambient                            | Min.~Max.                                          | °C                                                 | -28 ~ 25                             |                |                |                |                |                |  |
|                                                                                     |                                    | Water side                         | Min.~Max.                                          | °C                                                 | 18 ~ 65                              |                |                |                |                |                |  |
|                                                                                     | Cooling                            | Ambient                            | Min.~Max.                                          | °C                                                 | 10 ~ 43                              |                |                |                |                |                |  |
|                                                                                     |                                    | Water side                         | Min.~Max.                                          | °C                                                 | 5 ~ 22                               |                |                |                |                |                |  |
|                                                                                     | Domestic hot water                 | Ambient                            | Max.                                               | °C                                                 | -28 ~ 35                             |                |                |                |                |                |  |
|                                                                                     |                                    | Water side                         | Min.~Max.                                          | °C                                                 | 10 ~ 63                              |                |                |                |                |                |  |
| Sound power level                                                                   | Nom.                               |                                    |                                                    |                                                    | dBA                                  | 44             |                |                |                |                |  |
| Sound pressure level                                                                | Nom.                               |                                    |                                                    |                                                    | dBA                                  | 30             |                |                |                |                |  |
| Outdoor Unit                                                                        |                                    |                                    |                                                    | EPRA                                               | 08EV3/W1                             |                | 10EV3/W1       |                | 12EV3/W1       |                |  |
| Dimensions                                                                          | Unit                               | HeightxWidthxDepth                 |                                                    |                                                    | mm                                   | 1003x1270x533  |                |                |                |                |  |
| Weight                                                                              | Unit                               |                                    |                                                    |                                                    | kg                                   | 118            |                |                |                |                |  |
| Compressor                                                                          | Quantity                           |                                    |                                                    |                                                    | 1                                    |                |                |                |                |                |  |
|                                                                                     | Type                               |                                    |                                                    |                                                    | Hermetically sealed swing compressor |                |                |                |                |                |  |
| Operation range                                                                     | Heating                            | Min.~Max.                          |                                                    | °CDB                                               | -28 ~ 25                             |                |                |                |                |                |  |
|                                                                                     | Cooling                            | Min.~Max.                          |                                                    | °CDB                                               | 10 ~ 43                              |                |                |                |                |                |  |
|                                                                                     | Domestic hot water                 | Min.~Max.                          |                                                    | °CDB                                               | -28 ~ 35                             |                |                |                |                |                |  |
| Refrigerant                                                                         | Type                               |                                    |                                                    |                                                    | R-32                                 |                |                |                |                |                |  |
|                                                                                     | GWP                                |                                    |                                                    |                                                    | 675.0                                |                |                |                |                |                |  |
|                                                                                     | Charge                             |                                    |                                                    |                                                    | kg                                   | 3,25           |                |                |                |                |  |
|                                                                                     | Charge                             |                                    |                                                    |                                                    | TCO <sub>2</sub> Eq                  | 2,19           |                |                |                |                |  |
|                                                                                     | Control                            |                                    |                                                    |                                                    | Expansion valve                      |                |                |                |                |                |  |
| LW(A) Sound power level (according to EN14825)                                      |                                    |                                    |                                                    |                                                    | 53                                   |                |                |                |                |                |  |
| Sound pressure level (at 1 meter)                                                   | Nom.                               |                                    |                                                    |                                                    | V3: 40,6 - W1: 41,1                  |                |                |                |                |                |  |
| Power supply                                                                        | Name/Phase/Frequency/Voltage       |                                    |                                                    | Hz/V                                               | V3/1~/50/230 - W1/3~/50/400          |                |                |                |                |                |  |
| Current                                                                             | Recommended fuses                  |                                    |                                                    | A                                                  | V3: 32 - W1: 16                      |                |                |                |                |                |  |

This product contains fluorinated greenhouse gases.



CLIMATE DESIGN D.O.O. Javorska 6, 11226 Beograd,  
Tel: +38162290789, +38162290599  
E-mail: veleprodaja@climatedesign.rs, www.climatedesign.rs

