

# 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 230 L 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 + 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   |                                      |               | 3.41 / 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                     | Average climate                            | General  | Declared load profile                              | L                                    | XL            | L                     | XL                    | L                     | XL                    | L                     | XL                    |
|  |  |  | 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             |                       |
|  | 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         | 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   | 1,003x1,270x533                      |               |                       |                       |                       |                       |                       |                       |
| 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.                                       |  |  | 40.6/41.1                            |               |                       |                       |                       |                       |                       |                       |
| Power supply                                   | Name/Phase/Frequency/Voltage               |  |  | V3/1~/50/230 - W1/3~/50/400          |               |                       |                       |                       |                       |                       |                       |
| Current  | Recommended fuses                          |  |  | A 32/16                              |               |                       |                       |                       |                       |                       |                       |

This product contains fluorinated greenhouse gases.

# Daikin Altherma 3 H HT F

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

- › A combined stainless steel domestic hot water tank of 180 or 230 L 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



011-1W0353-354  
011-1W0357-358  
011-1W0361-362

| Efficiency data                                |                                    |                       |  | ETVH + EPRA                           | 16S18E6V7/E9W7 + 14DV7/W7 | 16S23E6V7/E9W7 + 14DV7/W7 | 16S18E6V7/E9W7 + 16DV7/W7 | 16S23E6V7/E9W7 + 16DV7/W7 | 16S18E6V7/E9W7 + 18DV7/W7 | 16S23E6V7/E9W7 + 18DV7/W7 |
|--|------------------------------------|-----------------------|--|---------------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| Space heating                                  | Average climate water outlet 55 °C | General               | SCOP   | 3.58 / 3.57                           |                           |                           |                           |                           |                           |                           |
|  |                                    |                       | η <sub>s</sub> (Seasonal space heating efficiency) | 140                                   |                           |                           |                           |                           |                           |                           |
|  | Average climate water outlet 35 °C | General               | SCOP   | 4.51 / 4.71                           |                           |                           |                           |                           |                           |                           |
|  |                                    |                       | η <sub>s</sub> (Seasonal space heating efficiency) | 177 / 186                             |                           |                           |                           |                           |                           |                           |
| Seasonal space heating eff. class              |                                    |                       |  | A++                                   |                           |                           |                           |                           |                           |                           |
| Domestic hot water heating                     | General climate                    | General               | Declared load profile                              | L                                     |                           |                           |                           |                           |                           |                           |
|  |                                    |                       | Average COP <sub>dhw</sub>                         | 2.62 / 2.51                           |                           |                           |                           |                           |                           |                           |
|  |                                    |                       | η <sub>wh</sub> (water heating efficiency)         | 110 / 106                             |                           |                           |                           |                           |                           |                           |
|  |                                    |                       | Water heating energy efficiency class              | A                                     |                           |                           |                           |                           |                           |                           |
| Domestic hot water heating                     |                                    |                       |  | A                                     |                           |                           |                           |                           |                           |                           |
| Indoor Unit                                    |                                    |                       |  | ETVH                                  | 16S18E6V7/E9W7            | 16S23E6V7/E9W7            | 16S18E6V7/E9W7            | 16S23E6V7/E9W7            | 16S18E6V7/E9W7            | 16S23E6V7/E9W7            |
| 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   | 109                                   | 118                       | 109                       | 118                       | 109                       | 118                       |                           |
| 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                                    |                           |                           |                           |                           |                           |                           |
|  |                                    | Water side            | Min.~Max.  | °C                                    |                           |                           |                           |                           |                           |                           |
|  | Domestic hot water                 | Ambient               | Min.~Max.  | °C                                    |                           |                           |                           |                           |                           |                           |
|  |                                    | Water side            | Min.~Max.  | °C                                    |                           |                           |                           |                           |                           |                           |
| Sound power level                              | Nom.                               |                       | dBA  | 44                                    |                           |                           |                           |                           |                           |                           |
| Sound pressure level                           | Nom.                               |                       | dBA  | 30                                    |                           |                           |                           |                           |                           |                           |
| Outdoor Unit                                   |                                    |                       |  | EPRA                                  | 14DV37/W17                | 16DV37/W17                | 18DV37/W17                |                           |                           |                           |
| Dimensions                                     | Unit                               | HeightxWidthxDepth    | mm   | 1,003x1,270x533                       |                           |                           |                           |                           |                           |                           |
| Weight   | Unit                               |                       | kg   | 146 / 151                             |                           |                           |                           |                           |                           |                           |
| Compressor                                     | Quantity                           |                       |  | 1                                     |                           |                           |                           |                           |                           |                           |
|  | Type                               |                       |  | Hermetically sealed scroll 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   | 4.20                                  |                           |                           |                           |                           |                           |                           |
|  | Charge                             |                       | TCO <sub>2</sub> Eq                                | 2.84                                  |                           |                           |                           |                           |                           |                           |
|  | Control                            |                       |  | Expansion valve                       |                           |                           |                           |                           |                           |                           |
| LW(A) Sound power level (according to EN14825) |                                    |                       |  | 54                                    |                           |                           |                           |                           |                           |                           |
| Sound pressure level (at 1 meter)              | Nom.                               |                       |  | 43.0                                  |                           |                           |                           | 48.0                      |                           |                           |
| Power supply                                   | Name/Phase/Frequency/Voltage       |                       | Hz/V   | V3/1~/50/230 / W1/3~/50/400           |                           |                           |                           |                           |                           |                           |
| Current  | Recommended fuses                  |                       | A  | 32/16                                 |                           |                           |                           |                           |                           |                           |

This product contains fluorinated greenhouse gases.