

## 6 GENERAL TECHNICAL DATA

### Data Book

DB\_CV\_EW-HT-G05 0182 - 0302\_062024\_EN R513A

[ SI System ]

| EW-HT-G05                             |        |         | 0182     | 0202     | 0262     | 0302     |
|---------------------------------------|--------|---------|----------|----------|----------|----------|
| Power supply                          |        | V/ph/Hz | 400/3/50 | 400/3/50 | 400/3/50 | 400/3/50 |
| PERFORMANCE                           |        |         |          |          |          |          |
| HEATING ONLY (GROSS VALUE)            |        |         |          |          |          |          |
| Total heating capacity                | (1)    | kW      | 72,91    | 85,93    | 105,1    | 129,2    |
| Total power input                     | (1)    | kW      | 19,80    | 22,90    | 28,60    | 34,30    |
| COP                                   | (1)    | kW/kW   | 3,682    | 3,751    | 3,675    | 3,767    |
| HEATING ONLY (EN14511 VALUE)          |        |         |          |          |          |          |
| Total heating capacity                | (1)(2) | kW      | 73,00    | 86,00    | 105,2    | 129,3    |
| COP                                   | (1)(2) | kW/kW   | 3,640    | 3,710    | 3,640    | 3,730    |
| EXCHANGERS                            |        |         |          |          |          |          |
| HEAT EXCHANGER USER SIDE IN HEATING   |        |         |          |          |          |          |
| Water flow                            | (1)    | l/s     | 2,229    | 2,626    | 3,212    | 3,950    |
| Pressure drop at the heat exchanger   | (1)    | kPa     | 15,9     | 14,0     | 14,2     | 15,8     |
| HEAT EXCHANGER SOURCE SIDE IN HEATING |        |         |          |          |          |          |
| Water flow                            | (1)    | l/s     | 2,621    | 3,109    | 3,775    | 4,682    |
| Pressure drop at the heat exchanger   | (1)    | kPa     | 19,3     | 17,7     | 18,2     | 20,9     |
| REFRIGERANT CIRCUIT                   |        |         |          |          |          |          |
| Compressors nr.                       |        | N°      | 2        | 2        | 2        | 2        |
| Number of capacity steps              |        | N°      | 2        | 2        | 2        | 2        |
| No. Circuits                          |        | N°      | 2        | 2        | 2        | 2        |
| Regulation                            |        |         | STEPS    | STEPS    | STEPS    | STEPS    |
| Min. capacity step                    |        | %       | 50       | 50       | 50       | 50       |
| Refrigerant                           |        |         | R513A    | R513A    | R513A    | R513A    |
| Theoretical refrigerant charge        |        | kg      | 8,40     | 8,80     | 10,5     | 10,9     |
| Oil charge                            |        | kg      | 6,80     | 6,80     | 6,60     | 6,80     |
| Rc (ASHRAE)                           | (3)    | kg/kW   | -        | -        | -        | -        |
| NOISE LEVEL                           |        |         |          |          |          |          |
| Total sound Pressure                  | (4)    | dB(A)   | 58       | 58       | 60       | 60       |
| Sound power level in heating          | (5)(6) | dB(A)   | 74       | 74       | 76       | 76       |
| SIZE AND WEIGHT                       |        |         |          |          |          |          |
| A                                     | (7)    | mm      | 1223     | 1223     | 1223     | 1223     |
| B                                     | (7)    | mm      | 877      | 877      | 877      | 877      |
| H                                     | (7)    | mm      | 1496     | 1496     | 1496     | 1496     |
| Operating weight                      | (7)    | kg      | 380      | 390      | 415      | 430      |

#### Notes:

1 Plant (side) heating exchanger water (in/out) 70,00°C/78,00°C; Source (side) heat exchanger water (in/out) 45,00°C/40,00°C.

2 Values in compliance with EN14511

3 Rated in accordance with AHRI Standard 550/590

4 Average sound pressure level at 1m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.

5 Sound power on the basis of measurements taken in compliance with ISO 9614.

6 Sound power level in heating, indoors.

7 Unit in standard configuration, without optional accessories.

- Not available

## 7 TECHNICAL DATA SEASONAL EFFICIENCY IN HEATING (EN14825 VALUE)

ELCA\_Engine ver.4.8.5.2

Data Book  
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[ SI System ]

| EW-HT-G05 - MEDIUM TEMPERATURE application     |           |    | 0182     | 0202     | 0262     | 0302     |
|------------------------------------------------|-----------|----|----------|----------|----------|----------|
| Power supply                                   | (V/ph/Hz) |    | 400/3/50 | 400/3/50 | 400/3/50 | 400/3/50 |
| WEATHER CONDITIONS - AVERAGE                   |           |    |          |          |          |          |
| Rated heat output at Tdesignh                  | (1)(2)    | kW | 42       | 48       | 60       | 74       |
| Bivalent temperature                           | (1)(2)    | °C | -7       | -7       | -7       | -7       |
| SCOP                                           | (1)(2)    |    | 3,15     | 3,11     | 3,10     | 3,19     |
| Seasonal space heating energy efficiency       | (1)(2)    | %  | 118      | 116      | 116      | 120      |
| Seasonal space heating energy efficiency class | (1)(2)    |    | A+       | A+       | A+       | -        |

1 Seasonal space heating energy efficiency class MEDIUM TEMPERATURE [REGULATION (EU) N. 813/2013]

2 Type of calculation with fixed flow and variable temperature.