

# Chillers

The ultimate in  
reliability and flexibility



# Air cooled mini inverter heat pump

- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- Inverter chiller
- Hermetically sealed swing inverter compressor
- New casing for the outdoor units
- Separate MMI-2 controller for indoor installation



Swing compressor

EW(A-Y)A004-008DV3P\_R

| Heating & Cooling                                                                                 |                                   |          |           | EWYA-D                            | 004DV3P                              | 006DV3P         | 008DV3P         |
|---------------------------------------------------------------------------------------------------|-----------------------------------|----------|-----------|-----------------------------------|--------------------------------------|-----------------|-----------------|
| Space cooling                                                                                     | A Condition Pdc                   |          |           | kW                                | -                                    |                 |                 |
|                                                                                                   | 35°C                              |          |           | %                                 | -                                    |                 |                 |
| ηs,c                                                                                              |                                   |          |           |                                   | -                                    |                 |                 |
| SEER                                                                                              |                                   |          |           |                                   | -                                    |                 |                 |
|  Space heating | Average climate water outlet 35°C | General  | SCOP      | Seasonal space heating eff. class | 4.54                                 | 4.52            | 4.61            |
|                                                                                                   |                                   |          |           |                                   | A+++                                 |                 |                 |
| Cooling capacity                                                                                  | Nom.                              |          |           | kW                                | 4.86(1)/4.52(2)                      | 5.83(1)/5.09(2) | 6.18(1)/5.44(2) |
| Heating capacity                                                                                  | Nom.                              |          |           | kW                                | 4.30(1)/4.60(2)                      | 6.00(1)/5.90(2) | 7.50(1)/7.80(2) |
| Power input                                                                                       | Cooling                           | Nom.     |           | kW                                | 0.820(1)/1.36(2)                     | 1.08(1)/1.55(2) | 1.19(1)/1.73(2) |
|                                                                                                   | Heating                           | Nom.     |           | kW                                | 0.840(1)/1.26(2)                     | 1.24(1)/1.69(2) | 1.63(1)/2.23(2) |
| Capacity control                                                                                  | Method                            |          |           |                                   | Variable (inverter)                  |                 |                 |
| EER                                                                                               |                                   |          |           |                                   | 5.91(1)/3.32(2)                      | 5.40(1)/3.28(2) | 5.19(1)/3.14(2) |
| COP                                                                                               |                                   |          |           |                                   | 5.10(1)/3.65(2)                      | 4.85(1)/3.50(2) | 4.60(1)/3.50(2) |
| Dimensions                                                                                        | Unit                              | Height   |           | mm                                | 770                                  |                 |                 |
|                                                                                                   |                                   | Width    |           | mm                                | 1,250                                |                 |                 |
|                                                                                                   |                                   | Depth    |           | mm                                | 362                                  |                 |                 |
| Weight                                                                                            | Unit                              |          |           | kg                                | 88.0                                 |                 |                 |
| Water heat exchanger                                                                              | Type                              |          |           |                                   | Plate heat exchanger                 |                 |                 |
|                                                                                                   | Water volume                      |          |           | l                                 | 1                                    |                 |                 |
| Air heat exchanger                                                                                | Type                              |          |           |                                   | -                                    |                 |                 |
| Compressor                                                                                        | Type                              |          |           |                                   | Hermetically sealed swing compressor |                 |                 |
|                                                                                                   | Quantity                          |          |           |                                   | 1                                    |                 |                 |
| Fan                                                                                               | Type                              |          |           |                                   | Propeller fan                        |                 |                 |
|                                                                                                   | Quantity                          |          |           |                                   | 1                                    |                 |                 |
|                                                                                                   | Air flow rate                     | Cooling  | Nom.      | m³/min                            | -                                    |                 |                 |
| Heating                                                                                           |                                   | Nom.     | m³/min    | -                                 |                                      |                 |                 |
| Sound power level                                                                                 | Cooling                           | Nom.     |           | dBA                               | 61.0(1)                              | 62.0(1)         |                 |
|                                                                                                   | Heating                           | Nom.     |           | dBA                               | 58.0(1)                              | 60.0(1)         | 62.0(1)         |
| Sound pressure level                                                                              | Cooling                           | Nom.     |           | dBA                               | 48.0(1)                              | 49.0(1)         | 50.0(1)         |
|                                                                                                   | Heating                           | Nom.     |           | dBA                               | 44.0(1)                              | 47.0(1)         | 49.0(1)         |
| Operation range                                                                                   | Air side                          | Cooling  | Min.~Max. | °CDB                              | 10(3)~43                             |                 |                 |
|                                                                                                   |                                   | Heating  | Min.~Max. | °CDB                              | -25~25                               |                 |                 |
| Refrigerant                                                                                       | Type/GWP                          |          |           |                                   | R-32/675.0                           |                 |                 |
|                                                                                                   | Charge                            |          |           | kg                                | 135                                  |                 |                 |
|                                                                                                   | Control                           |          |           |                                   | -                                    |                 |                 |
|                                                                                                   | Circuits                          | Quantity |           |                                   | -                                    |                 |                 |
| Refrigerant charge                                                                                | Per circuit                       |          |           | kg                                | -                                    |                 |                 |
| Unit                                                                                              | Running current                   | Max      |           | A                                 | -                                    |                 |                 |
| Power supply                                                                                      | Phase/Frequency/Voltage           |          |           | Hz/V                              | 1~/50/230 +/-10%                     |                 |                 |

(1)Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (2)Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) |

(3)For more details, see operation range drawing | (4)Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | (5)Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB |

(6)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (7)Condition: Ta DB/WB 7°C/6°C - LWC 45°C (DT=5°C) | (8)According to EN14825 | Depends on operation mode, refer to installation manual.

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EWAA-EWYA-D\_R

| Heating & Cooling                                                                                 |                                   |          |                                   | EWYA-D          | 009DV3P                                                   | 011DV3P         | 014DV3P         | 016DV3P         |
|---------------------------------------------------------------------------------------------------|-----------------------------------|----------|-----------------------------------|-----------------|-----------------------------------------------------------|-----------------|-----------------|-----------------|
| Space cooling                                                                                     | A Condition Pdc 35°C              |          |                                   | kW              | 9.35                                                      | 116             | 128             | 14.0            |
|                                                                                                   | ηs,c                              |          |                                   | %               | 222                                                       | 229             | 226             | 221             |
| SEER                                                                                              |                                   |          |                                   |                 | 5.62(8)                                                   | 5.79(8)         | 5.71(8)         | 5.59(8)         |
|  Space heating | Average climate water outlet 35°C | General  | SCOP                              |                 | 4.82                                                      | 4.73            | 4.70            | 4.69            |
|                                                                                                   |                                   |          | Seasonal space heating eff. class | A+++            |                                                           |                 |                 |                 |
| Cooling capacity                                                                                  | Nom.                              |          | kW                                | 9.35(4)/9.10(5) | 116(4)/115(5)                                             | 128(4)/127(5)   | 14.0(4)/15.3(5) |                 |
| Heating capacity                                                                                  | Nom.                              |          | kW                                | 9.37(6)/9.00(7) | 10.6(6)/9.82(7)                                           | 120(6)/125(7)   | 16.0(6)/16.0(7) |                 |
| Power input                                                                                       | Cooling                           | Nom.     | kW                                | 2.79(4)/1.71(5) | 3.56(4)/2.17(5)                                           | 4.06(4)/2.51(5) | 4.58(4)/3.24(5) |                 |
|                                                                                                   | Heating                           | Nom.     | kW                                | 1.91(6)/2.43(7) | 2.18(6)/2.68(7)                                           | 2.46(6)/3.42(7) | 3.53(6)/4.56(7) |                 |
| Capacity control                                                                                  | Method                            |          |                                   |                 | Variable (inverter)                                       |                 |                 |                 |
| EER                                                                                               |                                   |          |                                   |                 | 3.35(4)/5.34(5)                                           | 3.26(4)/5.31(5) | 3.16(4)/5.04(5) | 3.06(4)/4.74(5) |
| COP                                                                                               |                                   |          |                                   |                 | 4.91(6)/3.71(7)                                           | 4.83(6)/3.66(7) | 4.87(6)/3.64(7) | 4.53(6)/3.51(7) |
| Dimensions                                                                                        | Unit                              | Height   | mm                                | 870             |                                                           |                 |                 |                 |
|                                                                                                   |                                   | Width    | mm                                | 1,380           |                                                           |                 |                 |                 |
|                                                                                                   |                                   | Depth    | mm                                | 460             |                                                           |                 |                 |                 |
| Weight                                                                                            | Unit                              |          |                                   | kg              | 147                                                       |                 |                 |                 |
| Water heat exchanger                                                                              | Type                              |          |                                   |                 | Plate heat exchanger                                      |                 |                 |                 |
|                                                                                                   | Water volume                      |          |                                   | l               | 2                                                         |                 |                 |                 |
| Air heat exchanger                                                                                | Type                              |          |                                   |                 | High efficiency fin and tube type with integral subcooler |                 |                 |                 |
| Compressor                                                                                        | Type                              |          |                                   |                 | Hermetically sealed swing inverter compressor             |                 |                 |                 |
|                                                                                                   | Quantity                          |          |                                   |                 | 1                                                         |                 |                 |                 |
| Fan                                                                                               | Type                              |          |                                   |                 | Propeller fan                                             |                 |                 |                 |
|                                                                                                   | Quantity                          |          |                                   |                 | 1                                                         |                 |                 |                 |
|                                                                                                   | Air flow rate                     | Cooling  | Nom.                              | m³/min          | 63                                                        | 70              | 85              |                 |
|                                                                                                   |                                   | Heating  | Nom.                              | m³/min          | 48.0                                                      | 55.8            | 70.4            | 85.0            |
| Sound power level                                                                                 | Cooling                           | Nom.     | dBA                               |                 | 65.5                                                      | 67.0            | 69.0            |                 |
|                                                                                                   | Heating                           | Nom.     | dBA                               |                 | -                                                         |                 |                 |                 |
| Sound pressure level                                                                              | Cooling                           | Nom.     | dBA                               |                 | 44.0                                                      | 47.7            | 50.8            | 51.0            |
|                                                                                                   | Heating                           | Nom.     | dBA                               |                 | -                                                         |                 |                 |                 |
| Operation range                                                                                   | Air side                          | Cooling  | Min.~Max.                         | °CDB            | 10~43                                                     |                 |                 |                 |
|                                                                                                   |                                   | Heating  | Min.~Max.                         | °CDB            | -25~25                                                    |                 |                 |                 |
| Refrigerant                                                                                       | Type/GWP                          |          |                                   |                 | R-32/675.0                                                |                 |                 |                 |
|                                                                                                   | Charge                            |          |                                   | kg              | -                                                         |                 |                 |                 |
|                                                                                                   | Control                           |          |                                   |                 | Electronic expansion valve                                |                 |                 |                 |
|                                                                                                   | Circuits                          | Quantity |                                   |                 | 1                                                         |                 |                 |                 |
| Refrigerant charge                                                                                | Per circuit                       |          |                                   | kg              | 3.80                                                      |                 |                 |                 |
| Unit                                                                                              | Running current                   | Max      | A                                 |                 | 30.8                                                      |                 |                 |                 |
| Power supply                                                                                      | Phase/Frequency/Voltage           |          |                                   | Hz/V            | 1~/50/230                                                 |                 |                 |                 |

(1) Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (2) Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) |

(3) For more details, see operation range drawing | (4) Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | (5) Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB |

(6) Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (7) Condition: Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | (8) According to EN14825 | Depends on operation mode, refer to installation manual.

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EWAA-EWYA-D\_R

| Heating & Cooling                                                                                 |                                   |             |                                   | EWYA-D | 009DW1P                                                   | 011DW1P         | 014DW1P         | 016DW1P         |
|---------------------------------------------------------------------------------------------------|-----------------------------------|-------------|-----------------------------------|--------|-----------------------------------------------------------|-----------------|-----------------|-----------------|
| Space cooling                                                                                     | A Condition Pdc 35°C              |             |                                   | kW     | 9.35                                                      | 11.6            | 128             | 14.0            |
|                                                                                                   | ηs,c                              |             |                                   | %      | 222                                                       | 229             | 226             | 221             |
| SEER                                                                                              |                                   |             |                                   |        | 5.62(5)                                                   | 5.79(5)         | 5.71(5)         | 5.59(5)         |
|  Space heating | Average climate water outlet 35°C | General     | SCOP                              |        | 4.82                                                      | 4.73            | 4.70            | 4.69            |
|                                                                                                   |                                   |             | Seasonal space heating eff. class | A+++   |                                                           |                 |                 |                 |
| Cooling capacity                                                                                  | Nom.                              |             |                                   | kW     | 9.35(1)/9.10(2)                                           | 11.6(1)/11.5(2) | 128(1)/12.7(2)  | 140(1)/15.3(2)  |
| Heating capacity                                                                                  | Nom.                              |             |                                   | kW     | 9.37(3)/9.00(4)                                           | 10.6(3)/9.82(4) | 120(3)/125(4)   | 16.0(3)/16.0(4) |
| Power input                                                                                       | Cooling                           | Nom.        |                                   | kW     | 2.79(1)/1.71(2)                                           | 3.56(1)/2.17(2) | 4.06(1)/2.51(2) | 4.58(1)/3.24(2) |
|                                                                                                   | Heating                           | Nom.        |                                   | kW     | 1.91(3)/2.43(4)                                           | 2.18(3)/2.68(4) | 2.46(3)/3.42(4) | 3.53(3)/4.56(4) |
| Capacity control                                                                                  | Method                            |             |                                   |        | Variable (inverter)                                       |                 |                 |                 |
| EER                                                                                               |                                   |             |                                   |        | 3.35(1)/5.34(2)                                           | 3.26(1)/5.31(2) | 3.16(1)/5.04(2) | 3.06(1)/4.74(2) |
| COP                                                                                               |                                   |             |                                   |        | 4.91(3)/3.71(4)                                           | 4.83(3)/3.66(4) | 4.87(3)/3.64(4) | 4.53(3)/3.51(4) |
| Dimensions                                                                                        | Unit                              | Height      |                                   | mm     | 870                                                       |                 |                 |                 |
|                                                                                                   |                                   | Width       |                                   | mm     | 1,380                                                     |                 |                 |                 |
|                                                                                                   |                                   | Depth       |                                   | mm     | 460                                                       |                 |                 |                 |
| Weight                                                                                            | Unit                              |             |                                   | kg     | 147                                                       |                 |                 |                 |
| Water heat exchanger                                                                              | Type                              |             |                                   |        | Plate heat exchanger                                      |                 |                 |                 |
|                                                                                                   | Water volume                      |             |                                   | l      | 2                                                         |                 |                 |                 |
| Air heat exchanger                                                                                | Type                              |             |                                   |        | High efficiency fin and tube type with integral subcooler |                 |                 |                 |
| Compressor                                                                                        | Type                              |             |                                   |        | Hermetically sealed swing inverter compressor             |                 |                 |                 |
|                                                                                                   | Quantity                          |             |                                   |        | 1                                                         |                 |                 |                 |
| Fan                                                                                               | Type                              |             |                                   |        | Propeller fan                                             |                 |                 |                 |
|                                                                                                   | Quantity                          |             |                                   |        | 1                                                         |                 |                 |                 |
|                                                                                                   | Air flow rate                     | Cooling     | Nom.                              | m³/min | 63                                                        | 70              | 85              |                 |
| Heating                                                                                           |                                   | Nom.        | m³/min                            | 48.0   | 55.8                                                      | 70.4            | 85.0            |                 |
| Sound power level                                                                                 | Cooling                           | Nom.        |                                   | dBA    | 65.5                                                      | 670             | 69.0            |                 |
| Sound pressure level                                                                              | Cooling                           | Nom.        |                                   | dBA    | 44.0                                                      | 477             | 50.8            | 510             |
| Operation range                                                                                   | Air side                          | Cooling     | Min.~Max.                         | °CDB   | 10 ~43                                                    |                 |                 |                 |
|                                                                                                   |                                   | Heating     | Min.~Max.                         | °CDB   | -25 ~25                                                   |                 |                 |                 |
|                                                                                                   | Water side                        | Cooling     | Min.~Max.                         | °CDB   | 5 ~22                                                     |                 |                 |                 |
|                                                                                                   |                                   | Heating     | Min.~Max.                         | °CDB   | 9 (6)~60 (6)                                              |                 |                 |                 |
|                                                                                                   | Refrigerant                       | Type/GWP    |                                   |        |                                                           | R-32/675.0      |                 |                 |
| Refrigerant                                                                                       | Control                           |             |                                   |        | Electronic expansion valve                                |                 |                 |                 |
|                                                                                                   | Circuits                          | Quantity    |                                   |        | 1                                                         |                 |                 |                 |
|                                                                                                   |                                   | Per circuit |                                   |        | kg                                                        | 3.80            |                 |                 |
|                                                                                                   |                                   |             |                                   | TCO2Eq | 2.6                                                       |                 |                 |                 |
| Unit                                                                                              | Running current                   | Max         |                                   | A      | 14.0                                                      |                 |                 |                 |
| Power supply                                                                                      | Phase/Frequency/Voltage           |             |                                   | Hz/V   | 3~/50/400                                                 |                 |                 |                 |

(1)Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | (2)Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | (3)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 45°C (DT=5°C) | (5)According to EN14825 | (6)For more details, see operation range drawing | Depends on operation mode, refer to installation manual.

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EWAA-EWYA-D\_R

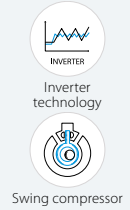
| Heating & Cooling                                                                                 |                                   |          |                                   | EWYA-D | 009DW1P-H-                                                | 011DW1P-H-      | 014DW1P-H-      | 016DW1P-H-      |
|---------------------------------------------------------------------------------------------------|-----------------------------------|----------|-----------------------------------|--------|-----------------------------------------------------------|-----------------|-----------------|-----------------|
| Space cooling                                                                                     | A Condition Pdc                   |          |                                   | kW     | 9.35                                                      | 11.6            | 128             | 14.0            |
|                                                                                                   | 35°C                              |          |                                   | %      | 222                                                       | 229             | 226             | 221             |
| SEER                                                                                              | ηs,c                              |          |                                   |        | 5.62(5)                                                   | 5.79(5)         | 5.71(5)         | 5.59(5)         |
|  Space heating | Average climate water outlet 35°C | General  | SCOP                              | 4.82   | 4.73                                                      | 4.70            | 4.69            |                 |
|                                                                                                   |                                   |          | Seasonal space heating eff. class | A+++   |                                                           |                 |                 |                 |
| Cooling capacity                                                                                  | Nom.                              |          |                                   | kW     | 9.35(1)/9.10(2)                                           | 11.6(1)/11.5(2) | 128(1)/12.7(2)  | 140(1)/15.3(2)  |
| Heating capacity                                                                                  | Nom.                              |          |                                   | kW     | 9.37(3)/9.00(4)                                           | 10.6(3)/9.82(4) | 120(3)/12.5(4)  | 16.0(3)/16.0(4) |
| Power input                                                                                       | Cooling                           | Nom.     |                                   | kW     | 2.79(1)/1.71(2)                                           | 3.56(1)/2.17(2) | 4.06(1)/2.51(2) | 4.58(1)/3.24(2) |
|                                                                                                   | Heating                           | Nom.     |                                   | kW     | 1.91(3)/2.43(4)                                           | 2.18(3)/2.68(4) | 2.46(3)/3.42(4) | 3.53(3)/4.56(4) |
| Capacity control                                                                                  | Method                            |          |                                   |        | Variable (inverter)                                       |                 |                 |                 |
| EER                                                                                               |                                   |          |                                   |        | 3.35(1)/5.34(2)                                           | 3.26(1)/5.31(2) | 3.16(1)/5.04(2) | 3.06(1)/4.74(2) |
| COP                                                                                               |                                   |          |                                   |        | 4.91(3)/3.71(4)                                           | 4.83(3)/3.66(4) | 4.87(3)/3.64(4) | 4.53(3)/3.51(4) |
| Dimensions                                                                                        | Unit                              | Height   |                                   | mm     | 870                                                       |                 |                 |                 |
|                                                                                                   |                                   | Width    |                                   | mm     | 1,380                                                     |                 |                 |                 |
|                                                                                                   |                                   | Depth    |                                   | mm     | 460                                                       |                 |                 |                 |
| Weight                                                                                            | Unit                              |          |                                   | kg     | 147                                                       |                 |                 |                 |
| Water heat exchanger                                                                              | Type                              |          |                                   |        | Plate heat exchanger                                      |                 |                 |                 |
|                                                                                                   | Water volume                      |          |                                   | l      | 2                                                         |                 |                 |                 |
| Air heat exchanger                                                                                | Type                              |          |                                   |        | High efficiency fin and tube type with integral subcooler |                 |                 |                 |
| Compressor                                                                                        | Type                              |          |                                   |        | Hermetically sealed swing inverter compressor             |                 |                 |                 |
|                                                                                                   | Quantity                          |          |                                   |        | 1                                                         |                 |                 |                 |
| Fan                                                                                               | Type                              |          |                                   |        | Propeller fan                                             |                 |                 |                 |
|                                                                                                   | Quantity                          |          |                                   |        | 1                                                         |                 |                 |                 |
|                                                                                                   | Air flow rate                     | Cooling  | Nom.                              | m³/min | 63                                                        | 70              | 85              |                 |
|                                                                                                   |                                   | Heating  | Nom.                              | m³/min | 48.0                                                      | 55.8            | 70.4            | 85.0            |
| Sound power level                                                                                 | Cooling                           | Nom.     |                                   | dBA    | 65.5                                                      | 67.0            | 69.0            |                 |
| Sound pressure level                                                                              | Cooling                           | Nom.     |                                   | dBA    | 44.0                                                      | 47.7            | 50.8            | 51.0            |
| Operation range                                                                                   | Air side                          | Cooling  | Min.~Max.                         | °CDB   | 10 ~43                                                    |                 |                 |                 |
|                                                                                                   |                                   | Heating  | Min.~Max.                         | °CDB   | -25 ~25                                                   |                 |                 |                 |
|                                                                                                   | Water side                        | Cooling  | Min.~Max.                         | °CDB   | 5 ~22                                                     |                 |                 |                 |
|                                                                                                   |                                   | Heating  | Min.~Max.                         | °CDB   | 9 (6)~60 (6)                                              |                 |                 |                 |
| Refrigerant                                                                                       | Type/GWP                          |          |                                   |        | R-32/675.0                                                |                 |                 |                 |
|                                                                                                   | Control                           |          |                                   |        | Electronic expansion valve                                |                 |                 |                 |
|                                                                                                   | Circuits                          | Quantity |                                   |        | 1                                                         |                 |                 |                 |
| Refrigerant charge                                                                                | Per circuit                       |          |                                   | kg     | 3.80                                                      |                 |                 |                 |
|                                                                                                   |                                   |          |                                   | TCO2Eq | 2.6                                                       |                 |                 |                 |
| Unit                                                                                              | Running current                   | Max      |                                   | A      | 14.0                                                      |                 |                 |                 |
| Power supply                                                                                      | Phase/Frequency/Voltage           |          |                                   | Hz/V   | 3~/50/400                                                 |                 |                 |                 |

(1)Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | (2)Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | (3)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) |

(4)Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C) | (5)According to EN14825 | (6)For more details, see operation range drawing | Depends on operation mode, refer to installation manual.

# Air cooled mini inverter heat pump

- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- Inverter chiller
- Hermetically sealed swing inverter compressor
- New casing for the outdoor units
- Separate MMI-2 controller for indoor installation



EW(A-Y)A004-008DV3P-H\_R

| Heating & Cooling                                                                                |                                   |         |           | EWYA-D                                                                                                        | 004DV3P-H                                                                                                   | 006DV3P-H       | 008DV3P-H       | 009DV3P-H-                                                | 011DV3P-H-      | 014DV3P-H-      | 016DV3P-H-      |  |
|--------------------------------------------------------------------------------------------------|-----------------------------------|---------|-----------|---------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-----------------|-----------------|-----------------------------------------------------------|-----------------|-----------------|-----------------|--|
| Space cooling                                                                                    | A Condition Pdc                   |         |           | kW                                                                                                            | -                                                                                                           |                 |                 | 9.35                                                      | 11.6            | 128             | 14.0            |  |
|                                                                                                  | 35°C                              |         |           | %                                                                                                             | -                                                                                                           |                 |                 | 222                                                       | 229             | 226             | 221             |  |
| SEER                                                                                             | ηs,c                              |         |           |                                                                                                               | -                                                                                                           |                 |                 | 5.62(8)                                                   | 5.79(8)         | 5.71(8)         | 5.59(8)         |  |
|  Space heating | Average climate water outlet 35°C | General | SCOP      | Seasonal space heating eff. class                                                                             | 4.54                                                                                                        | 4.52            | 4.61            | 4.82                                                      | 4.73            | 4.70            | 4.69            |  |
|                                                                                                  |                                   |         |           |                                                                                                               | A+++                                                                                                        |                 |                 |                                                           |                 |                 |                 |  |
| Cooling capacity                                                                                 | Nom.                              |         | kW        | 4.86(1)/4.52(2) 5.83(1)/5.09(2) 6.18(1)/5.44(2) 9.35(4)/9.10(5) 116(4)/115(5) 128(4)/127(5) 14.0(4)/15.3(5)   |                                                                                                             |                 |                 |                                                           |                 |                 |                 |  |
| Heating capacity                                                                                 | Nom.                              |         | kW        | 4.30(1)/4.60(2) 6.00(1)/5.90(2) 7.50(1)/7.80(2) 9.37(6)/9.00(7) 10.6(6)/9.82(7) 120(6)/125(7) 16.0(6)/16.0(7) |                                                                                                             |                 |                 |                                                           |                 |                 |                 |  |
| Power input                                                                                      | Cooling                           |         | Nom.      | kW                                                                                                            | 0.820(1)/136(2) 108(1)/155(2) 119(1)/173(2) 2.79(4)/1.71(5) 3.56(4)/2.17(5) 4.06(4)/2.51(5) 4.58(4)/3.24(5) |                 |                 |                                                           |                 |                 |                 |  |
|                                                                                                  | Heating                           |         | Nom.      | kW                                                                                                            | 0.840(1)/126(2) 124(1)/169(2) 163(1)/2.23(2) 191(6)/2.43(7) 2.18(6)/2.68(7) 2.46(6)/3.42(7) 3.53(6)/4.56(7) |                 |                 |                                                           |                 |                 |                 |  |
| Capacity control                                                                                 | Method                            |         |           |                                                                                                               | Variable (inverter)                                                                                         |                 |                 |                                                           |                 |                 |                 |  |
| EER                                                                                              |                                   |         |           |                                                                                                               | 5.91(1)/3.32(2)                                                                                             | 5.40(1)/3.28(2) | 5.19(1)/3.14(2) | 3.35(4)/5.34(5)                                           | 3.26(4)/5.31(5) | 3.16(4)/5.04(5) | 3.06(4)/4.74(5) |  |
| COP                                                                                              |                                   |         |           |                                                                                                               | 5.10(1)/3.65(2)                                                                                             | 4.85(1)/3.50(2) | 4.60(1)/3.50(2) | 4.91(6)/3.71(7)                                           | 4.83(6)/3.66(7) | 4.87(6)/3.64(7) | 4.53(6)/3.51(7) |  |
| Dimensions                                                                                       | Unit                              | Height  | mm        | 770                                                                                                           |                                                                                                             |                 | 870             |                                                           |                 |                 |                 |  |
|                                                                                                  |                                   | Width   | mm        | 1,250                                                                                                         |                                                                                                             |                 | 1,380           |                                                           |                 |                 |                 |  |
|                                                                                                  |                                   | Depth   | mm        | 362                                                                                                           |                                                                                                             |                 | 460             |                                                           |                 |                 |                 |  |
| Weight                                                                                           | Unit                              |         |           | kg                                                                                                            | 88.0                                                                                                        |                 |                 | 147                                                       |                 |                 |                 |  |
| Water heat exchanger                                                                             | Type                              |         |           |                                                                                                               | Plate heat exchanger                                                                                        |                 |                 |                                                           |                 |                 |                 |  |
|                                                                                                  | Water volume                      |         |           | l                                                                                                             | 1                                                                                                           |                 |                 | 2                                                         |                 |                 |                 |  |
| Air heat exchanger                                                                               | Type                              |         |           |                                                                                                               | -                                                                                                           |                 |                 | High efficiency fin and tube type with integral subcooler |                 |                 |                 |  |
| Compressor                                                                                       | Type                              |         |           |                                                                                                               | Hermetically sealed swing compressor                                                                        |                 |                 | Hermetically sealed swing inverter compressor             |                 |                 |                 |  |
|                                                                                                  | Quantity                          |         |           |                                                                                                               | 1                                                                                                           |                 |                 | 1                                                         |                 |                 |                 |  |
| Fan                                                                                              | Type                              |         |           |                                                                                                               | Propeller fan                                                                                               |                 |                 |                                                           |                 |                 |                 |  |
|                                                                                                  | Quantity                          |         |           |                                                                                                               | 1                                                                                                           |                 |                 |                                                           |                 |                 |                 |  |
|                                                                                                  | Air flow rate                     | Cooling | Nom.      | m³/min                                                                                                        | -                                                                                                           |                 |                 | 63                                                        | 70              | 85              |                 |  |
| Heating                                                                                          |                                   | Nom.    | m³/min    | -                                                                                                             |                                                                                                             |                 | 48.0            | 55.8                                                      | 70.4            | 85.0            |                 |  |
| Sound power level                                                                                | Cooling                           | Nom.    | dBA       | 61.0(1)                                                                                                       | 62.0(1)                                                                                                     |                 | 65.5            | 67.0                                                      | 69.0            |                 |                 |  |
|                                                                                                  | Heating                           | Nom.    | dBA       | 58.0(1)                                                                                                       | 60.0(1)                                                                                                     | 62.0(1)         | -               |                                                           |                 |                 |                 |  |
| Sound pressure level                                                                             | Cooling                           | Nom.    | dBA       | 48.0(1)                                                                                                       | 49.0(1)                                                                                                     | 50.0(1)         | 44.0            | 47.7                                                      | 50.8            | 51.0            |                 |  |
|                                                                                                  | Heating                           | Nom.    | dBA       | 44.0(1)                                                                                                       | 47.0(1)                                                                                                     | 49.0(1)         | -               |                                                           |                 |                 |                 |  |
| Operation range                                                                                  | Air side                          | Cooling | Min.~Max. | °CDB                                                                                                          | 10(3)~43                                                                                                    |                 |                 | 10~43                                                     |                 |                 |                 |  |
|                                                                                                  |                                   | Heating | Min.~Max. | °CDB                                                                                                          | -                                                                                                           |                 |                 | -25~25                                                    |                 |                 |                 |  |
| Refrigerant                                                                                      | Type/GWP                          |         |           |                                                                                                               | R-32/675.0                                                                                                  |                 |                 |                                                           |                 |                 |                 |  |
|                                                                                                  | Charge                            |         |           | kg                                                                                                            | 135                                                                                                         |                 |                 | -                                                         |                 |                 |                 |  |
|                                                                                                  | Control                           |         |           |                                                                                                               | -                                                                                                           |                 |                 | Electronic expansion valve                                |                 |                 |                 |  |
|                                                                                                  | Circuits                          |         |           | Quantity                                                                                                      | -                                                                                                           |                 |                 | 1                                                         |                 |                 |                 |  |
| Refrigerant charge                                                                               | Per circuit                       |         |           | kg                                                                                                            | -                                                                                                           |                 |                 | 3.80                                                      |                 |                 |                 |  |
| Unit                                                                                             | Running current                   |         |           | A                                                                                                             | -                                                                                                           |                 |                 | 30.8                                                      |                 |                 |                 |  |
| Power supply                                                                                     | Phase/Frequency/Voltage           |         |           | Hz/V                                                                                                          | 1~/50/230 +/-10%                                                                                            |                 |                 | 1~/50/230                                                 |                 |                 |                 |  |

