



Daikin Altherma high temperature split

EKHBRD-ADV17/Y17

Floor standing heating only air to water heat pump combinable with existing radiators

- › Energy efficient heating only system based on air to water heat pump technology
- › Single and three phase floor standing indoor unit up to 16kW
- › High temperature application: up to 80°C without electric heater
- › Easy replacement of existing boiler, without changing heating pipes
- › Combinable with high temperature radiators
- › Outdoor unit extracts heat from the outdoor air, even at -20°C

EKHBRD-ADV17/Y17 + ER(R/S) Q-AV1/AY1



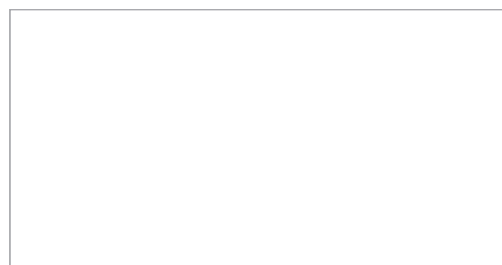
| Indoor Unit | | EKHBRD | 011ADV17 | 014ADV17 | 016ADV17 | 011ADY17 | 014ADY17 | 016ADY17 |
|----------------------|--------------------|-----------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Casing | Colour | Metallic grey | | | | | | |
| | Material | Precoated sheet metal | | | | | | |
| Dimensions | Unit | HeightxWidthxDepth | mm | | | | | |
| Weight | Unit | | | 144 | | | 147 | |
| Operation range | Heating | Ambient | Min.~Max. | °C | | | | |
| | | Water side | Min.~Max. | °C | | | | |
| | Domestic hot water | Ambient | Min.~Max. | °CDB | | | | |
| | | Water side | Min.~Max. | °C | | | | |
| Refrigerant | Type | R-134a | | | | | | |
| | Charge | kg | | | | | | |
| Sound pressure level | Nom. | dBA | 43.0 (1) / 46.0 / 0.00 / 0.00 | 45.0 (1) / 46.0 / 0.00 / 0.00 | 46.0 (1) / 46.0 / 0.00 / 0.00 | 43.0 (1) / 46.0 / 0.00 / 0.00 | 45.0 (1) / 46.0 / 0.00 / 0.00 | 46.0 (1) / 46.0 / 0.00 / 0.00 |
| | Night quiet mode | Level 1 | dBA | 40.0 (1) / 0.00 / 0.00 | 43.0 (1) / 0.00 / 0.00 | 45.0 (1) / 0.00 / 0.00 | 40.0 (1) / 0.00 / 0.00 | 43.0 (1) / 0.00 / 0.00 |

| Efficiency data | | | | EKHBRD + ERRQ/ERSQ | 011ADV17 + 011AV1 | 014ADV17 + 014AV1 | 016ADV17 + 016AV1 | 011ADY17 + 011AY1 | 014ADY17 + 014AY1 | 016ADY17 + 016AY1 | |
|------------------|-----------------------------------|---------|---------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--|
| Space heating | Average climate water outlet 55°C | General | SCOP | 2.96 | 2.98 | 3.01 | 2.96 | 2.98 | 3.01 | | |
| | | | η_s (Seasonal) | % | 115 | 116 | 117 | 115 | 116 | 117 | |
| | Average climate water outlet 35°C | General | SCOP | 2.70 | 2.81 | 2.88 | 2.70 | 2.81 | 2.88 | | |
| | | | η_s (Seasonal) | % | 105 | 110 | 112 | 105 | 110 | 112 | |
| | | | | A+ | | C | | B | | | |
| Heating capacity | Nom. | kW | | 11.3 (2) / 11.0 (3) / 11.2 (1) | 14.5 (2) / 14.0 (3) / 14.4 (1) | 16.0 (2) / 16.0 (3) / 16.0 (1) | 11.3 (2) / 11.0 (3) / 11.2 (1) | 14.5 (2) / 14.0 (3) / 14.4 (1) | 16.0 (2) / 16.0 (3) / 16.0 (1) | | |
| Power input | Heating | Nom. | kW | | 3.80 (2) / 4.40 (3) / 2.67 (1) | 5.02 (2) / 5.65 (3) / 3.87 (1) | 5.86 (2) / 6.65 (3) / 4.31 (1) | 3.80 (2) / 4.40 (3) / 2.67 (1) | 5.02 (2) / 5.65 (3) / 3.87 (1) | 5.86 (2) / 6.65 (3) / 4.31 (1) | |
| COP | | | | 2.97 (2) / 2.50 (3) / 4.20 (1) | | 2.89 (2) / 2.48 (3) / 3.72 (1) | | 2.73 (2) / 2.41 (3) / 3.72 (1) | | 2.97 (2) / 2.50 (3) / 4.20 (1) | |

(1) EW 30°C; LW 35°C; Dt 5°C; ambient conditions: 7°CDB/6°CWB (2) EW 55°C; LW 65°C; Dt 10°C; ambient conditions: 7°CDB/6°CWB (3) EW 70°C; LW 80°C; Dt 10°C; ambient conditions: 7°CDB/6°CWB | Contains fluorinated greenhouse gases

| Outdoor Unit | | ERRQ/ERSQ | 011AV1 | 014AV1 | 016AV1 | 011AY1 | 014AY1 | 016AY1 | | | |
|----------------------|------------------------------|---------------------------------------|--------|--------|--------|------------------|--------|--------|------------------|--|--|
| Dimensions | Unit | HeightxWidthxDepth | mm | | | | | | | | |
| Weight | Unit | kg | | | | | | | | | |
| Compressor | Quantity | 1 | | | | | | | | | |
| | Type | Hermetically sealed scroll compressor | | | | | | | | | |
| Operation range | Heating | Min.~Max. | °CWB | | | | | | | | |
| | Domestic hot water | Min.~Max. | °CDB | | | | | | | | |
| Refrigerant | Type | R-410A | | | | | | | | | |
| | GWP | 2,087.5 | | | | | | | | | |
| | Charge | TCO ₂ eq | 9.4 | | | | | | | | |
| | | kg | 4.5 | | | | | | | | |
| Control | | Expansion valve (electronic type) | | | | | | | | | |
| Sound power level | Heating | Nom. | dBA | 68 | 69 | 71 | 68 | 69 | 71 | | |
| Sound pressure level | Heating | Nom. | dBA | 52 | 53 | 55 | 52 | 53 | 55 | | |
| Power supply | Name/Phase/Frequency/Voltage | | Hz/V | | | V1/1~/50/220-240 | | | Y1/3~/50/380-415 | | |
| Current | Recommended fuses | | A | | | 25 | | | 16 | | |

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