# Daikin Altherma low temperature split Technical Data ERGA-EV / ERGA-EVH / ERGA-EVH7




EEDEN25

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# ERGA-EV / ERGA-EVH / ERGA-EVH7


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# 1 Features

## 1 - 1 ERGA-EV / ERGA-EVH / ERGA-EVH7



› Combining with R-32 Bluevolution technology, reduces environmental impact with 68% compared to R-410A, leads directly to lower energy consumption thanks to its high energy efficiency and has up to lower 16% refrigerant charge
› Outdoor unit extracts heat from the outdoor air, even at -25°C
› WLAN cartridge included




-25°
Guaranteed operation down to -25°C

Onecta app

Online controller

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHBH04E6V + ERGA04EV |
|---|---|---|---|---|---|
| Heating capacity | Nom. | | | kW | 4.3 (1) / 4.6 (2) |
| Power input | Heating | Nom. | | kW | 0.85 (1) / 1.26 (2) |
| COP | | | | | 5.1 (1) / 3.65 (2) |
| Pump | Nominal ESP unit | Heating | | kPa | 59.6 (1) / 58.6 (2) |
| Water side Heat exchanger | Water flow rate | Heating | Nom. | l/min | 12.3 (1) / 13.2 (2) |
| General | Supplier/ Manufacturer details | Name and address | | | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium |
| | | Name or trademark | | | Daikin Europe N.V. |
| | Product description | Air-to-water heat pump | | | Yes |
| | | Brine-to-water heat pump | | | No |
| | | Heat pump combination heater | | | No |
| | | Low-temperature heat pump | | | No |
| | | Supplementary heater integrated | | | Yes |
| | | Water-to-water heat pump | | | No |
| | LW(A) Sound power level (according to EN14825) | dB(A) | | dBA | 42 |
| LW(A) Sound power level (according to EN14825) | dB(A) | | | dBA | 58 |
| Sound condition Ecodesign and energy label | | | | | Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825 |
| Space heating general | Air to water unit | Rated airflow (outdoor) | | $m^3/h$ | 2,280.0 |
| | Other | Capacity control | | | Inverter |
| | | Pck (Crankcase heater mode) | | kW | 0.0 |
| | | Poff (Off mode) | | kW | 0.01 |
| | | Psb (Standby mode) | | kW | 0.01 |
| | | Pto (Thermostat off) | | kW | 0.01 |
| | Integrated supplementary heater | Psup | | kW | 6.0 |
| | | Type of energy input | | | Electrical |
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 3,806 |
| | | | ηs (Seasonal space heating efficiency) | % | 127 |
| | | | Prated at -10°C | kW | 6.0 |
| | | | Qhe Annual energy consumption (GCV) | Gj | 13.7 |
| | | | SCOP | | 3.26 |
| | | | Seasonal space heating eff. class | | A++ |
| | | A Condition (-7°CD-B/-8°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 1.97 |
| | | | Pdh | kW | 5.3 |
| | | | PERd | % | 79 |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 3.23 |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHBH04E6V + ERGA04EV |
|---|---|---|---|---|---|
| Space heating | Average climate water outlet 55°C | B Condition (2°CD-B/1°CWB) | Pdh | kW | 3.3 |
| | | | PERd | % | 129 |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 4.4 |
| | | | Pdh | kW | 3.0 |
| | | | PERd | % | 176 |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 6.1 |
| | | | Pdh | kW | 3.3 |
| | | | PERd | % | 244 |
| | | Tol (temperature operating limit) | COPd | | 1.37 |
| | | | Pdh | kW | 4.0 |
| | | | PERd | % | 55 |
| | | | TOL | °C | -10 |
| | | | WTOL | °C | 55 |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 2.0 |
| | | Tbiv (bivalent temperature) | COPd | | 1.97 |
| | | | Pdh | kW | 5.3 |
| | | | PERd | % | 79 |
| | | | Tbiv | °C | -7 |
| | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 4,468 |
| | | | ηs (Seasonal space heating efficiency) | % | 107 |
| | | | Prated at -22°C | kW | 5.0 |
| | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 1,660 |
| | | | ηs (Seasonal space heating efficiency) | % | 148 |
| | | | Prated at 2°C | kW | 4.7 |
| | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 2,766 |
| | | | ηs (Seasonal space heating efficiency) | % | 176 |
| | | | Prated at -10°C | kW | 6.0 |
| | | | Qhe Annual energy consumption (GCV) | Gj | 9.96 |
| | | | SCOP | | 4.48 |
| | | | Seasonal space heating eff. class | | A+++ |
| | | A Condition (-7°CD-B/-8°CWB) | COPd | | 2.9 |
| | | | Pdh | kW | 5.5 |
| | | | PERd | % | 116 |
| | | B Condition (2°CD- | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 4.33 |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHBH04E6V + ERGA04EV |
|---|---|---|---|---|---|
| Space heating | Average climate water outlet 35°C | B Condition (2°CD-B/1°CWB) | Pdh | kW | 3.3 |
| | | | PERd | % | 173 |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 6.19 |
| | | | Pdh | kW | 3.2 |
| | | | PERd | % | 248 |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 7.78 |
| | | | Pdh | kW | 3.3 |
| | | | PERd | % | 311 |
| | | Tol (temperature operating limit) | COPd | | 2.56 |
| | | | Pdh | kW | 5.2 |
| | | | PERd | % | 102 |
| | | | TOL | °C | -10 |
| | | | WTOL | °C | 35 |
| | | Tbiv (bivalent temperature) | COPd | | 2.9 |
| | | | Pdh | kW | 5.5 |
| | | | PERd | % | 116 |
| | | | Tbiv | °C | -7 |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 0.8 |
| | Cold climate water outlet 35°C | General | Annual energy consumption | kWh | 3,230 |
| | | | ηs (Seasonal space heating efficiency) | % | 150 |
| | | | Prated at -22°C | kW | 5.0 |
| | Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,139 |
| | | | ηs (Seasonal space heating efficiency) | % | 241 |
| | | | Prated at 2°C | kW | 5.2 |

(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 )

| Technical specifications | | | | | EHBX04E6V + ERGA04EV |
|---|---|---|---|---|---|
| Heating capacity | Nom. | | | kW | 4.3 (1) / 4.6 (2) |
| Cooling capacity | Nom. | | | kW | 4.86 (1) / 4.52 (2) |
| Power input | Heating | Nom. | | kW | 0.85 (1) / 1.26 (2) |
| | Cooling | Nom. | | kW | 0.81 (1) / 1.36 (2) |
| COP | | | | | 5.1 (1) / 3.65 (2) |
| EER | | | | | 5.98 (1) / 3.32 (2) |
| Pump | Nominal ESP unit | Cooling | | kPa | 54.6 (1) / 58.8 (2) |
| | | Heating | | kPa | 59.6 (1) / 58.6 (2) |
| Water side Heat exchanger | Water flow rate | Cooling | Nom. | l/min | 15.9 (1) / 13.0 (2) |
| | | Heating | Nom. | l/min | 12.3 (1) / 13.2 (2) |
| General | Supplier/ Manufacturer details | Name and address | | | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium |
| | | Name or trademark | | | Daikin Europe N.V. |
| | Product description | Air-to-water heat pump | | | Yes |
| | | Brine-to-water heat pump | | | No |
| | | Heat pump combination heater | | | No |
| | | Low-temperature heat pump | | | No |
| | | Supplementary heater integrated | | | Yes |
| | | Water-to-water heat pump | | | No |
| | LW(A) Sound power level (according to EN14825) | dB(A) | | dBA | 42 |
| LW(A) Sound power level (according to EN14825) | dB(A) | | | dBA | 58 |
| Sound condition Ecodesign and energy label | | | | | Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825 |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHBX04E6V + ERGA04EV |
|---|---|---|---|---|---|
| Space heating general | Air to water unit | Rated airflow (outdoor) | | $m^3/h$ | 2,280.0 |
| | Other | Capacity control | | | Inverter |
| | | Pck (Crankcase heater mode) | | kW | 0.0 |
| | | Poff (Off mode) | | kW | 0.01 |
| | | Psb (Standby mode) | | kW | 0.01 |
| | | Pto (Thermostat off) | | kW | 0.01 |
| | Integrated supplementary heater | Psup | | kW | 6.0 |
| | | Type of energy input | | | Electrical |
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 3,769 |
| | | | ηs (Seasonal space heating efficiency) | % | 129 |
| | | | Prated at -10°C | kW | 6.0 |
| | | | Qhe Annual energy consumption (GCV) | Gj | 13.6 |
| | | | SCOP | | 3.29 |
| | | | Seasonal space heating eff. class | | A++ |
| | | A Condition (-7°CD-B/-8°CWB) | Cdh (Degradation heating) | | 1.0 |
| Space heating | Average climate water outlet 55°C | A Condition (-7°CD-B/-8°CWB) | COPd | | 1.97 |
| | | | Pdh | kW | 5.3 |
| | | | PERd | % | 79 |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 3.23 |
| | | | Pdh | kW | 3.3 |
| | | | PERd | % | 129 |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 4.4 |
| | | | Pdh | kW | 3.0 |
| | | | PERd | % | 176 |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 6.1 |
| | | | Pdh | kW | 3.3 |
| | | | PERd | % | 244 |
| | | Tol (temperature operating limit) | COPd | | 1.37 |
| | | | Pdh | kW | 4.0 |
| | | | PERd | % | 55 |
| | | | TOL | °C | -10 |
| | | | WTOL | °C | 55 |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 2.0 |
| | | Tbiv (bivalent temperature) | COPd | | 1.97 |
| | | | Pdh | kW | 5.3 |
| | | | PERd | % | 79 |
| | | | Tbiv | °C | -7 |
| | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 4,446 |
| | | | ηs (Seasonal space heating efficiency) | % | 108 |
| | | | Prated at -22°C | kW | 5.0 |
| | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 1,616 |
| | | | ηs (Seasonal space heating efficiency) | % | 152 |
| | | | Prated at 2°C | kW | 4.7 |
| | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 2,729 |
| | | | ηs (Seasonal space heating efficiency) | % | 179 |
| | | | Prated at -10°C | kW | 6.0 |
| | | | Qhe Annual energy consumption (GCV) | Gj | 9.82 |
| | | | SCOP | | 4.54 |
| | | | Seasonal space heating eff. class | | A+++ |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHBX04E6V + ERGA04EV |
|---|---|---|---|---|---|
| Space heating | Average climate water outlet 35°C | A Condition (-7°CD-B/-8°CWB) | COPd | | 2.9 |
| | | | Pdh | kW | 5.5 |
| | | | PERd | % | 116 |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 4.33 |
| | | | Pdh | kW | 3.3 |
| | | | PERd | % | 173 |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 6.19 |
| | | | Pdh | kW | 3.2 |
| | | | PERd | % | 248 |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 7.78 |
| | | | Pdh | kW | 3.3 |
| | | | PERd | % | 311 |
| | | Tol (temperature operating limit) | COPd | | 2.56 |
| | | | Pdh | kW | 5.2 |
| | | | PERd | % | 102 |
| | | | TOL | °C | -10 |
| | | | WTOL | °C | 35 |
| | | Tbiv (bivalent temperature) | COPd | | 2.9 |
| | | | Pdh | kW | 5.5 |
| | | | PERd | % | 116 |
| | | | Tbiv | °C | -7 |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 0.8 |
| | Cold climate water outlet 35°C | General | Annual energy consumption | kWh | 3,208 |
| | | | ηs (Seasonal space heating efficiency) | % | 151 |
| | | | Prated at -22°C | kW | 5.0 |
| | Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,095 |
| | | | ηs (Seasonal space heating efficiency) | % | 251 |
| | | | Prated at 2°C | kW | 5.2 |

(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 )

| Technical specifications | | | | | EHSH04P30E + ERGA04EV |
|---|---|---|---|---|---|
| Indoor unit | | | | | EHSH04P30EF |
| Outdoor unit | | | | | ERGA04EAV3 |
| Heating capacity | Nom. | | | kW | 4.30 (1) / 4.60 (2) |
| Power input | Heating | Nom. | | kW | 0.840 (1) / 1.26 (2) |
| COP | | | | | 5.10 (1) / 3.65 (2) |
| Pump | Type | | | | Grundfos UPM4 K 20-75 CHBL FS2 |
| Water side Heat exchanger | Water flow rate | Heating | Nom. | l/min | 12.3 (1) / 13.2 (2) |
| General | Supplier/ Manufacturer details | Name and address | | | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium |
| | | Name or trademark | | | Daikin Europe N.V. |
| | Product description | Air-to-water heat pump | | | Yes |
| | | Brine-to-water heat pump | | | No |
| | | Heat pump combination heater | | | Yes |
| | | Low-temperature heat pump | | | No |
| | | Supplementary heater integrated | | | No |
| | | Water-to-water heat pump | | | No |
| | LW(A) Sound power level (according to EN14825) | dB(A) | | dBA | 39 |
| LW(A) Sound power level (according to EN14825) | dB(A) | | | dBA | 58 |
| Sound condition Ecodesign and energy label | | | | | Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825 |
| Space heating general | Air to water unit | Rated airflow (outdoor) | | $m^3/h$ | 2,280 |
| | Other | Capacity control | | | Inverter |
| | | Pck (Crankcase heater mode) | | kW | 0 |
| | | Poff (Off mode) | | kW | 0.01 |
| | | Psb (Standby mode) | | kW | 0.01 |
| | | Pto (Thermostat off) | | kW | 0.01 |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHSH04P30E + ERGA04EV |
|---|---|---|---|---|---|
| Domestic hot water heating | General | Declared load profile | | | L |
| | | Function to fix water heating during off peak hours | | | No |
| Space heating general | Integrated supplementary heater | Type of energy input | | | Electrical |
| Domestic hot water heating | Average climate | AEC (Annual electricity consumption) | | kWh | 867 |
| | | COPdhw | | | 2.8 |
| | | Heat up time | | | 1h 34min |
| | | Mixed water at 40°C | | l | 140.4 |
| | | ηwh (water heating efficiency) | | % | 118 |
| | | Qelec (Daily electricity consumption) | | kWh | 4.172 |
| | | Reference hot water temperature | | °C | 44.6 |
| | | Stand-by power input | | W | 40.4 |
| | | Water heating energy efficiency class | | | A+ |
| Domestic hot water heating | Cold climate | AEC (Annual electricity consumption) | | kWh | 1,006 |
| | | COPdhw | | | 2.41 |
| | | Mixed water at 40°C | | l | 140 |
| | | ηwh (water heating efficiency) | | % | 102 |
| | | Qelec (Daily electricity consumption) | | kWh | 4.835 |
| | | Reference hot water temperature | | °C | 44.4 |
| | | Stand-by power input | | W | 46 |
| | Warm climate | AEC (Annual electricity consumption) | | kWh | 716 |
| | | COPdhw | | | 3.38 |
| | | Mixed water at 40°C | | l | 138.1 |
| | | ηwh (water heating efficiency) | | % | 143 |
| | | Qelec (Daily electricity consumption) | | kWh | 3.447 |
| | | Reference hot water temperature | | °C | 44.4 |
| | | Stand-by power input | | W | 33.9 |
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 3,806 |
| | | | ηs (Seasonal space heating efficiency) | % | 127 |
| | | | Prated at -10°C | kW | 6 |
| | | | Qhe Annual energy consumption (GCV) | Gj | 14 |
| | | | SCOP | | 3.26 |
| | | | Seasonal space heating eff. class | | A++ |
| | | A Condition (-7°CD-B/-8°CWB) | Cdh (Degradation heating) | | 1 |
| | | | COPd | | 1.97 |
| | | | Pdh | kW | 5.3 |
| | | | PERd | % | 78.8 |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1 |
| | | | COPd | | 3.23 |
| | | | Pdh | kW | 3.3 |
| | | | PERd | % | 129.2 |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1 |
| | | | COPd | | 4.4 |
| | | | Pdh | kW | 3 |
| | | | PERd | % | 176 |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1 |
| | | | COPd | | 6.1 |
| | | | Pdh | kW | 3.3 |
| | | | PERd | % | 244 |
| | | Tol (temperature operating limit) | COPd | | 1.37 |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHSH04P30E + ERGA04EV |
|---|---|---|---|---|---|
| Space heating | Average climate water outlet 55°C | Tol (temperature operating limit) | Pdh | kW | 4 |
| | | | PERd | % | 54.8 |
| | | | TOL | °C | -10 |
| | | | WTOL | °C | 55 |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 2 |
| | | Tbiv (bivalent temperature) | COPd | | 1.97 |
| | | | Pdh | kW | 5.3 |
| | | | PERd | % | 78.8 |
| | | | Tbiv | °C | -7 |
| | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 4,468 |
| | | | ηs (Seasonal space heating efficiency) | % | 107 |
| | | | Prated at -22°C | kW | 5 |
| | | | Qhe Annual energy consumption (GCV) | Gj | 16 |
| | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 1,660 |
| | | | ηs (Seasonal space heating efficiency) | % | 148 |
| | | | Prated at 2°C | kW | 4.7 |
| | | | Qhe Annual energy consumption (GCV) | Gj | 6 |
| | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 2,766 |
| | | | ηs (Seasonal space heating efficiency) | % | 176 |
| | | | Prated at -10°C | kW | 6 |
| | | | Qhe Annual energy consumption (GCV) | Gj | 10 |
| | | | SCOP | | 4.48 |
| | | | Seasonal space heating eff. class | | A+++ |
| | | A Condition (-7°CD-B/-8°CWB) | COPd | | 2.9 |
| | | | Pdh | kW | 5.5 |
| | | | PERd | % | 116 |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1 |
| | | | COPd | | 4.33 |
| | | | Pdh | kW | 3.3 |
| | | | PERd | % | 173.2 |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1 |
| | | | COPd | | 6.19 |
| | | | Pdh | kW | 3.2 |
| | | | PERd | % | 247.6 |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1 |
| | | | COPd | | 7.78 |
| | | | Pdh | kW | 3.3 |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHSH04P30E + ERGA04EV |
|---|---|---|---|---|---|
| Space heating | Average climate water outlet 35°C | D Condition (12°CD-B/11°CWB) | PERd | % | 311.2 |
| | | Tol (temperature operating limit) | COPd | | 2.56 |
| | | | Pdh | kW | 5.2 |
| | | | PERd | % | 102.4 |
| | | | TOL | °C | -10 |
| | | | WTOL | °C | 35 |
| | | Tbiv (bivalent temperature) | COPd | | 2.9 |
| | | | Pdh | kW | 5.5 |
| | | | PERd | % | 116 |
| | | | Tbiv | °C | -7 |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 0.8 |
| | Cold climate water outlet 35°C | General | Annual energy consumption | kWh | 3,230 |
| | | | ηs (Seasonal space heating efficiency) | % | 150 |
| | | | Prated at -22°C | kW | 5 |
| | | | Qhe Annual energy consumption (GCV) | Gj | 12 |
| | Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,139 |
| | | | ηs (Seasonal space heating efficiency) | % | 241 |
| | | | Prated at 2°C | kW | 5.2 |
| | | | Qhe Annual energy consumption (GCV) | Gj | 4 |

(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 )

| Technical specifications | | | | | EHSHB04P30E + ERGA04EV |
|---|---|---|---|---|---|
| Indoor unit | | | | | EHSHB04P30EF |
| Outdoor unit | | | | | ERGA04EAV3 |
| Heating capacity | Nom. | | | kW | 4.30 (1) / 4.60 (2) |
| Power input | Heating | Nom. | | kW | 0.840 (1) / 1.26 (2) |
| COP | | | | | 5.10 (1) / 3.65 (2) |
| Pump | Type | | | | Grundfos UPM4 K 20-75 CHBL FS2 |
| Water side Heat exchanger | Water flow rate | Heating | Nom. | l/min | 12.3 (1) / 13.2 (2) |
| General | Supplier/ Manufacturer details | Name and address | | | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium |
| | | Name or trademark | | | Daikin Europe N.V. |
| | Product description | Air-to-water heat pump | | | Yes |
| | | Brine-to-water heat pump | | | No |
| | | Heat pump combination heater | | | Yes |
| | | Low-temperature heat pump | | | No |
| | | Supplementary heater integrated | | | No |
| | | Water-to-water heat pump | | | No |
| | LW(A) Sound power level (according to EN14825) | dB(A) | | dBA | 39 |
| LW(A) Sound power level (according to EN14825) | dB(A) | | | dBA | 58 |
| Sound condition Ecodesign and energy label | | | | | Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825 |
| Space heating general | Air to water unit | Rated airflow (outdoor) | | $m^3/h$ | 2,280 |
| | Other | Capacity control | | | Inverter |
| | | Pck (Crankcase heater mode) | | kW | 0 |
| | | Poff (Off mode) | | kW | 0.01 |
| | | Psb (Standby mode) | | kW | 0.01 |
| | | Pto (Thermostat off) | | kW | 0.01 |
| Domestic hot water heating | General | Declared load profile | | | L |
| | | Function to fix water heating during off peak hours | | | No |
| Space heating general | Integrated supplementary heater | Type of energy input | | | Electrical |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHSHB04P30E + ERGA04EV |
|---|---|---|---|---|---|
| Domestic hot water heating | Average climate | AEC (Annual electricity consumption) | | kWh | 867 |
| | | COPdhw | | | 2.8 |
| | | Heat up time | | | 1h 34min |
| | | Mixed water at 40°C | | l | 140.4 |
| | | ηwh (water heating efficiency) | | % | 118 |
| | | Qelec (Daily electricity consumption) | | kWh | 4.172 |
| | | Reference hot water temperature | | °C | 44.6 |
| | | Stand-by power input | | W | 40.4 |
| | | Water heating energy efficiency class | | | A+ |
| Domestic hot water heating | Cold climate | AEC (Annual electricity consumption) | | kWh | 1,006 |
| | | COPdhw | | | 2.41 |
| | | Mixed water at 40°C | | l | 140 |
| | | ηwh (water heating efficiency) | | % | 102 |
| | | Qelec (Daily electricity consumption) | | kWh | 4.835 |
| | | Reference hot water temperature | | °C | 44.4 |
| | | Stand-by power input | | W | 46 |
| | Warm climate | AEC (Annual electricity consumption) | | kWh | 716 |
| | | COPdhw | | | 3.38 |
| | | Mixed water at 40°C | | l | 138.1 |
| | | ηwh (water heating efficiency) | | % | 143 |
| | | Qelec (Daily electricity consumption) | | kWh | 3.447 |
| | | Reference hot water temperature | | °C | 44.4 |
| | | Stand-by power input | | W | 33.9 |
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 3,806 |
| | | | ηs (Seasonal space heating efficiency) | % | 127 |
| | | | Prated at -10°C | kW | 6 |
| | | | Qhe Annual energy consumption (GCV) | Gj | 14 |
| | | | SCOP | | 3.26 |
| | | | Seasonal space heating eff. class | | A++ |
| | | A Condition (-7°CD-B/-8°CWB) | Cdh (Degradation heating) | | 1 |
| | | | COPd | | 1.97 |
| | | | Pdh | kW | 5.3 |
| | | | PERd | % | 78.8 |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1 |
| | | | COPd | | 3.23 |
| | | | Pdh | kW | 3.3 |
| | | | PERd | % | 129.2 |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1 |
| | | | COPd | | 4.4 |
| | | | Pdh | kW | 3 |
| | | | PERd | % | 176 |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1 |
| | | | COPd | | 6.1 |
| | | | Pdh | kW | 3.3 |
| | | | PERd | % | 244 |
| | | Tol (temperature operating limit) | COPd | | 1.37 |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHSHB04P30E + ERGA04EV |
|---|---|---|---|---|---|
| Space heating | Average climate water outlet 55°C | Tol (temperature operating limit) | Pdh | kW | 4 |
| | | | PERd | % | 54.8 |
| | | | TOL | °C | -10 |
| | | | WTOL | °C | 55 |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 2 |
| | | Tbiv (bivalent temperature) | COPd | | 1.97 |
| | | | Pdh | kW | 5.3 |
| | | | PERd | % | 78.8 |
| | | | Tbiv | °C | -7 |
| | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 4,468 |
| | | | ηs (Seasonal space heating efficiency) | % | 107 |
| | | | Prated at -22°C | kW | 5 |
| | | | Qhe Annual energy consumption (GCV) | Gj | 16 |
| | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 1,660 |
| | | | ηs (Seasonal space heating efficiency) | % | 148 |
| | | | Prated at 2°C | kW | 4.7 |
| | | | Qhe Annual energy consumption (GCV) | Gj | 6 |
| | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 2,766 |
| | | | ηs (Seasonal space heating efficiency) | % | 176 |
| | | | Prated at -10°C | kW | 6 |
| | | | Qhe Annual energy consumption (GCV) | Gj | 10 |
| | | | SCOP | | 4.48 |
| | | | Seasonal space heating eff. class | | A+++ |
| | | A Condition (-7°CD-B/-8°CWB) | COPd | | 2.9 |
| | | | Pdh | kW | 5.5 |
| | | | PERd | % | 116 |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1 |
| | | | COPd | | 4.33 |
| | | | Pdh | kW | 3.3 |
| | | | PERd | % | 173.2 |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1 |
| | | | COPd | | 6.19 |
| | | | Pdh | kW | 3.2 |
| | | | PERd | % | 247.6 |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1 |
| | | | COPd | | 7.78 |
| | | | Pdh | kW | 3.3 |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHSHB04P30E + ERGA04EV |
|---|---|---|---|---|---|
| Space heating | Average climate water outlet 35°C | D Condition (12°CD-B/11°CWB) | PERd | % | 311.2 |
| | | Tol (temperature operating limit) | COPd | | 2.56 |
| | | | Pdh | kW | 5.2 |
| | | | PERd | % | 102.4 |
| | | | TOL | °C | -10 |
| | | | WTOL | °C | 35 |
| | | Tbiv (bivalent temperature) | COPd | | 2.9 |
| | | | Pdh | kW | 5.5 |
| | | | PERd | % | 116 |
| | | | Tbiv | °C | -7 |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 0.8 |
| | Cold climate water outlet 35°C | General | Annual energy consumption | kWh | 3,230 |
| | | | ηs (Seasonal space heating efficiency) | % | 150 |
| | | | Prated at -22°C | kW | 5 |
| | | | Qhe Annual energy consumption (GCV) | Gj | 12 |
| | Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,139 |
| | | | ηs (Seasonal space heating efficiency) | % | 241 |
| | | | Prated at 2°C | kW | 5.2 |
| | | | Qhe Annual energy consumption (GCV) | Gj | 4 |

(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 )

| Technical specifications | | | | | EHSX04P30E + ERGA04EV | EHSX04P50E + ERGA04EV |
|---|---|---|---|---|---|---|
| Indoor unit | | | | | EHSX04P30EF | EHSX04P50EF |
| Outdoor unit | | | | | ERGA04EAV3 | |
| Heating capacity | Nom. | | | kW | 4.30 (1) / 4.60 (2) | |
| Cooling capacity | Nom. | | | kW | 4.86 (1) / 4.52 (2) | |
| Power input | Heating | Nom. | | kW | 0.840 (1) / 1.26 (2) | |
| | Cooling | Nom. | | kW | 0.810 (1) / 1.36 (2) | |
| COP | | | | | 5.10 (1) / 3.65 (2) | |
| EER | | | | | 5.98 (1) / 3.32 (2) | |
| Pump | Type | | | | Grundfos UPM4 K 20-75 CHBL FS2 | |
| Water side Heat exchanger | Water flow rate | Cooling | Nom. | l/min | 13.9 (1) / 13.0 (2) | |
| | | Heating | Nom. | l/min | 12.3 (1) / 13.2 (2) | |
| General | Supplier/ Manufacturer details | Name and address | | | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium | |
| | | Name or trademark | | | Daikin Europe N.V. | |
| | Product description | Air-to-water heat pump | | | Yes | |
| | | Brine-to-water heat pump | | | No | |
| | | Heat pump combination heater | | | Yes | |
| | | Low-temperature heat pump | | | No | |
| | | Supplementary heater integrated | | | No | |
| | | Water-to-water heat pump | | | No | |
| | LW(A) Sound power level (according to EN14825) | dB(A) | | dBA | 39 | |
| LW(A) Sound power level (according to EN14825) | dB(A) | | | dBA | 58 | |
| Sound condition Ecodesign and energy label | | | | | Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825 | |
| Space heating general | Air to water unit | Rated airflow (outdoor) | | $m^3/h$ | 2,280 | |
| | Other | Capacity control | | | Inverter | |
| | | Pck (Crankcase heater mode) | | kW | 0 | |
| | | Poff (Off mode) | | kW | 0.01 | |
| | | Psb (Standby mode) | | kW | 0.01 | |
| | | Pto (Thermostat off) | | kW | 0.01 | |
| Domestic hot water heating | General | Declared load profile | | | L | XL |
| | | Function to fix water heating during off peak hours | | | No | |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHSX04P30E + ERGA04EV | EHSX04P50E + ERGA04EV |
|---|---|---|---|---|---|---|
| Space heating general | Integrated supplementary heater | Type of energy input | | | Electrical | |
| Domestic hot water heating | Average climate | AEC (Annual electricity consumption) | | kWh | 867 | 1,336 |
| | | COPdhw | | | 2.8 | 3.06 |
| | | Heat up time | | | 1h 34min | 2h 41min |
| | | Mixed water at 40°C | | l | 140.4 | 227.9 |
| | | ηwh (water heating efficiency) | | % | 118 | 125 |
| Domestic hot water heating | Average climate | Qelec (Daily electricity consumption) | | kWh | 4.172 | 6.224 |
| | | Reference hot water temperature | | °C | 44.6 | |
| | | Stand-by power input | | W | 40.4 | 25.3 |
| | | Water heating energy efficiency class | | | A+ | |
| | Cold climate | AEC (Annual electricity consumption) | | kWh | 1,006 | 1,493 |
| | | COPdhw | | | 2.41 | 2.75 |
| | | Mixed water at 40°C | | l | 140 | 227.9 |
| | | ηwh (water heating efficiency) | | % | 102 | 112 |
| | | Qelec (Daily electricity consumption) | | kWh | 4.835 | 6.944 |
| | | Reference hot water temperature | | °C | 44.4 | 44.6 |
| | | Stand-by power input | | W | 46 | 26.7 |
| | Warm climate | AEC (Annual electricity consumption) | | kWh | 716 | 1,186 |
| | | COPdhw | | | 3.38 | 3.45 |
| | | Mixed water at 40°C | | l | 138.1 | 227.9 |
| | | ηwh (water heating efficiency) | | % | 143 | 141 |
| | | Qelec (Daily electricity consumption) | | kWh | 3.447 | 5.531 |
| | | Reference hot water temperature | | °C | 44.4 | 44.6 |
| | | Stand-by power input | | W | 33.9 | 23.7 |
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 3,769 | |
| | | | ηs (Seasonal space heating efficiency) | % | 129 | |
| | | | Prated at -10°C | kW | 6 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 14 | |
| | | | SCOP | | 3.29 | |
| | | | Seasonal space heating eff. class | | A++ | |
| | | A Condition (-7°CD-B/-8°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 1.97 | |
| | | | Pdh | kW | 5.3 | |
| | | | PERd | % | 78.8 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 3.23 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 129.2 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 4.4 | |
| | | | Pdh | kW | 3 | |
| | | | PERd | % | 176 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1 | |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHSX04P30E + ERGA04EV | EHSX04P50E + ERGA04EV |
|---|---|---|---|---|---|---|
| Space heating | Average climate water outlet 55°C | D Condition (12°CD-B/11°CWB) | COPd | | 6.1 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 244 | |
| | | Tol (temperature operating limit) | COPd | | 1.37 | |
| | | | Pdh | kW | 4 | |
| | | | PERd | % | 54.8 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 55 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 2 | |
| | | Tbiv (bivalent temperature) | COPd | | 1.97 | |
| | | | Pdh | kW | 5.3 | |
| | | | PERd | % | 78.8 | |
| | | | Tbiv | °C | -7 | |
| | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 4,446 | |
| | | | ηs (Seasonal space heating efficiency) | % | 108 | |
| | | | Prated at -22°C | kW | 5 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 16 | |
| | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 1,616 | |
| | | | ηs (Seasonal space heating efficiency) | % | 152 | |
| | | | Prated at 2°C | kW | 4.7 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 6 | |
| | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 2,729 | |
| | | | ηs (Seasonal space heating efficiency) | % | 179 | |
| | | | Prated at -10°C | kW | 6 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 10 | |
| | | | SCOP | | 4.54 | |
| | | | Seasonal space heating eff. class | | A+++ | |
| | | A Condition (-7°CD-B/-8°CWB) | COPd | | 2.9 | |
| | | | Pdh | kW | 5.5 | |
| | | | PERd | % | 116 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 4.33 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 173.2 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 6.19 | |
| | | | Pdh | kW | 3.2 | |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHSX04P30E + ERGA04EV | EHSX04P50E + ERGA04EV |
|---|---|---|---|---|---|---|
| Space heating | Average climate water outlet 35°C | C Condition (7°CD-B/6°CWB) | PERd | % | 247.6 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 7.78 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 311.2 | |
| | | Tol (temperature operating limit) | COPd | | 2.56 | |
| | | | Pdh | kW | 5.2 | |
| | | | PERd | % | 102.4 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 35 | |
| | | Tbiv (bivalent temperature) | COPd | | 2.9 | |
| | | | Pdh | kW | 5.5 | |
| | | | PERd | % | 116 | |
| | | | Tbiv | °C | -7 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 0.8 | |
| | Cold climate water outlet 35°C | General | Annual energy consumption | kWh | 3,208 | |
| | | | ηs (Seasonal space heating efficiency) | % | 151 | |
| | | | Prated at -22°C | kW | 5 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 12 | |
| | Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,095 | |
| | | | ηs (Seasonal space heating efficiency) | % | 251 | |
| | | | Prated at 2°C | kW | 5.2 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 4 | |

(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 )

| Technical specifications | | | | | EHSXB04P30E + ERGA04EV | EHSXB04P50E + ERGA04EV |
|---|---|---|---|---|---|---|
| Indoor unit | | | | | EHSXB04P30EF | EHSXB04P50EF |
| Outdoor unit | | | | | ERGA04EAV3 | |
| Heating capacity | Nom. | | | kW | 4.30 (1) / 4.60 (2) | |
| Cooling capacity | Nom. | | | kW | 4.86 (1) / 4.52 (2) | |
| Power input | Heating | Nom. | | kW | 0.840 (1) / 1.26 (2) | |
| | Cooling | Nom. | | kW | 0.810 (1) / 1.36 (2) | |
| COP | | | | | 5.10 (1) / 3.65 (2) | |
| EER | | | | | 5.98 (1) / 3.32 (2) | |
| Pump | Type | | | | Grundfos UPM4 K 20-75 CHBL FS2 | |
| Water side Heat exchanger | Water flow rate | Cooling | Nom. | l/min | 13.9 (1) / 13.0 (2) | |
| | | Heating | Nom. | l/min | 12.3 (1) / 13.2 (2) | |
| General | Supplier/ Manufacturer details | Name and address | | | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium | |
| | | Name or trademark | | | Daikin Europe N.V. | |
| | Product description | Air-to-water heat pump | | | Yes | |
| | | Brine-to-water heat pump | | | No | |
| | | Heat pump combination heater | | | Yes | |
| | | Low-temperature heat pump | | | No | |
| | | Supplementary heater integrated | | | No | |
| | | Water-to-water heat pump | | | No | |
| | LW(A) Sound power level (according to EN14825) | dB(A) | | dBA | 39 | |
| LW(A) Sound power level (according to EN14825) | dB(A) | | | dBA | 58 | |
| Sound condition Ecodesign and energy label | | | | | Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825 | |
| Space heating general | Air to water unit | Rated airflow (outdoor) | | $m^3/h$ | 2,280 | |
| | Other | Capacity control | | | Inverter | |
| | | Pck (Crankcase heater mode) | | kW | 0 | |
| | | Poff (Off mode) | | kW | 0.01 | |
| | | Psb (Standby mode) | | kW | 0.01 | |
| | | Pto (Thermostat off) | | kW | 0.01 | |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHSXB04P30E + ERGA04EV | EHSXB04P50E + ERGA04EV |
|---|---|---|---|---|---|---|
| Domestic hot water heating | General | Declared load profile | | | L | XL |
| | | Function to fix water heating during off peak hours | | | No | |
| Space heating general | Integrated supplementary heater | Type of energy input | | | Electrical | |
| Domestic hot water heating | Average climate | AEC (Annual electricity consumption) | | kWh | 867 | 1,336 |
| | | COPdhw | | | 2.8 | 3.06 |
| | | Heat up time | | | 1h 34min | 2h 41min |
| | | Mixed water at 40°C | | l | 140.4 | 227.9 |
| | | ηwh (water heating efficiency) | | % | 118 | 125 |
| Domestic hot water heating | Average climate | Qelec (Daily electricity consumption) | | kWh | 4.172 | 6.224 |
| | | Reference hot water temperature | | °C | 44.6 | |
| | | Stand-by power input | | W | 40.4 | 25.3 |
| | | Water heating energy efficiency class | | | A+ | |
| | Cold climate | AEC (Annual electricity consumption) | | kWh | 1,006 | 1,493 |
| | | COPdhw | | | 2.41 | 2.75 |
| | | Mixed water at 40°C | | l | 140 | 227.9 |
| | | ηwh (water heating efficiency) | | % | 102 | 112 |
| | | Qelec (Daily electricity consumption) | | kWh | 4.835 | 6.944 |
| | | Reference hot water temperature | | °C | 44.4 | 44.6 |
| | | Stand-by power input | | W | 46 | 26.7 |
| | Warm climate | AEC (Annual electricity consumption) | | kWh | 716 | 1,186 |
| | | COPdhw | | | 3.38 | 3.45 |
| | | Mixed water at 40°C | | l | 138.1 | 227.9 |
| | | ηwh (water heating efficiency) | | % | 143 | 141 |
| | | Qelec (Daily electricity consumption) | | kWh | 3.447 | 5.531 |
| | | Reference hot water temperature | | °C | 44.4 | 44.6 |
| | | Stand-by power input | | W | 33.9 | 23.7 |
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 3,769 | |
| | | | ηs (Seasonal space heating efficiency) | % | 129 | |
| | | | Prated at -10°C | kW | 6 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 14 | |
| | | | SCOP | | 3.29 | |
| | | | Seasonal space heating eff. class | | A++ | |
| | | A Condition (-7°CD-B/-8°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 1.97 | |
| | | | Pdh | kW | 5.3 | |
| | | | PERd | % | 78.8 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 3.23 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 129.2 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 4.4 | |
| | | | Pdh | kW | 3 | |
| | | | PERd | % | 176 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1 | |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHSXB04P30E + ERGA04EV | EHSXB04P50E + ERGA04EV |
|---|---|---|---|---|---|---|
| Space heating | Average climate water outlet 55°C | D Condition (12°CD-B/11°CWB) | COPd | | 6.1 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 244 | |
| | | Tol (temperature operating limit) | COPd | | 1.37 | |
| | | | Pdh | kW | 4 | |
| | | | PERd | % | 54.8 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 55 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 2 | |
| | | Tbiv (bivalent temperature) | COPd | | 1.97 | |
| | | | Pdh | kW | 5.3 | |
| | | | PERd | % | 78.8 | |
| | | | Tbiv | °C | -7 | |
| | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 4,446 | |
| | | | ηs (Seasonal space heating efficiency) | % | 108 | |
| | | | Prated at -22°C | kW | 5 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 16 | |
| | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 1,616 | |
| | | | ηs (Seasonal space heating efficiency) | % | 152 | |
| | | | Prated at 2°C | kW | 4.7 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 6 | |
| | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 2,729 | |
| | | | ηs (Seasonal space heating efficiency) | % | 179 | |
| | | | Prated at -10°C | kW | 6 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 10 | |
| | | | SCOP | | 4.54 | |
| | | | Seasonal space heating eff. class | | A+++ | |
| | | A Condition (-7°CD-B/-8°CWB) | COPd | | 2.9 | |
| | | | Pdh | kW | 5.5 | |
| | | | PERd | % | 116 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 4.33 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 173.2 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 6.19 | |
| | | | Pdh | kW | 3.2 | |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHSXB04P30E + ERGA04EV | EHSXB04P50E + ERGA04EV |
|---|---|---|---|---|---|---|
| Space heating | Average climate water outlet 35°C | C Condition (7°CD-B/6°CWB) | PERd | % | 247.6 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 7.78 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 311.2 | |
| | | Tol (temperature operating limit) | COPd | | 2.56 | |
| | | | Pdh | kW | 5.2 | |
| | | | PERd | % | 102.4 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 35 | |
| | | Tbiv (bivalent temperature) | COPd | | 2.9 | |
| | | | Pdh | kW | 5.5 | |
| | | | PERd | % | 116 | |
| | | | Tbiv | °C | -7 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 0.8 | |
| | Cold climate water outlet 35°C | General | Annual energy consumption | kWh | 3,208 | |
| | | | ηs (Seasonal space heating efficiency) | % | 151 | |
| | | | Prated at -22°C | kW | 5 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 12 | |
| | Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,095 | |
| | | | ηs (Seasonal space heating efficiency) | % | 251 | |
| | | | Prated at 2°C | kW | 5.2 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 4 | |

(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 )

| Technical specifications | | | | | EHVH04S18E6V + ERGA04EV | EHVH04S23E6V + ERGA04EV |
|---|---|---|---|---|---|---|
| Heating capacity | Nom. | | | kW | 4.3 (1) / 4.6 (2) | |
| Power input | Heating | Nom. | | kW | 0.85 (1) / 1.26 (2) | |
| | Domestic hot water from 10°C to 50°C | Nom. | | kWh | 2.48 | 3.01 |
| Heat up time from 10°C to 50°C | | | | hr | 1h28min | 1h40min |
| COP | | | | | 5.1 (1) / 3.65 (2) | |
| Pump | Nominal ESP unit | Heating | | kPa | 59.6 (1) / 58.6 (2) | |
| Water side Heat exchanger | Water flow rate | Heating | Nom. | l/min | 12.3 (1) / 13.2 (2) | |
| General | Supplier/ Manufacturer details | Name and address | | | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium | |
| | | Name or trademark | | | Daikin Europe N.V. | |
| | Product description | Air-to-water heat pump | | | Yes | |
| | | Brine-to-water heat pump | | | No | |
| | | Heat pump combination heater | | | Yes | |
| | | Low-temperature heat pump | | | No | |
| | | Supplementary heater integrated | | | Yes | |
| | | Water-to-water heat pump | | | No | |
| | LW(A) Sound power level (according to EN14825) | dB(A) | | dBA | 42 | |
| LW(A) Sound power level (according to EN14825) | dB(A) | | | dBA | 58 | |
| Sound condition Ecodesign and energy label | | | | | Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825 | |
| Space heating general | Air to water unit | Rated airflow (outdoor) | | $m^3/h$ | 2,280.0 | |
| | Other | Capacity control | | | Inverter | |
| | | Pck (Crankcase heater mode) | | kW | 0.0 | |
| | | Poff (Off mode) | | kW | 0.01 | |
| | | Psb (Standby mode) | | kW | 0.01 | |
| | | Pto (Thermostat off) | | kW | 0.01 | |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHVH04S18E6V + ERGA04EV | EHVH04S23E6V + ERGA04EV |
|---|---|---|---|---|---|---|
| Domestic hot water heating | General | Declared load profile | | | L | XL |
| | | Function to fix water heating during off peak hours | | | No | |
| Space heating general | Integrated supplementary heater | Psup | | kW | 6.0 | |
| | | Type of energy input | | | Electrical | |
| Domestic hot water heating | Average climate | AEC (Annual electricity consumption) | | kWh | 820 | 1,267 |
| | | ηwh (water heating efficiency) | | % | 125 | 133 |
| | | Qelec (Daily electricity consumption) | | kWh | 3.87 | 5.9 |
| | | Water heating energy efficiency class | | | A+ | |
| | Cold climate | AEC (Annual electricity consumption) | | kWh | 951 | 1,475 |
| | | ηwh (water heating efficiency) | | % | 107 | 114 |
| | | Qelec (Daily electricity consumption) | | kWh | 4.48 | 6.86 |
| | Warm climate | AEC (Annual electricity consumption) | | kWh | 680 | 1,046 |
| Domestic hot water heating | Warm climate | ηwh (water heating efficiency) | | % | 151 | 161 |
| | | Qelec (Daily electricity consumption) | | kWh | 3.22 | 4.88 |
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 3,806 | |
| | | | ηs (Seasonal space heating efficiency) | % | 127 | |
| | | | Prated at -10°C | kW | 6.0 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 13.7 | |
| | | | SCOP | | 3.26 | |
| | | | Seasonal space heating eff. class | | A++ | |
| | | A Condition (-7°CD-B/-8°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 1.97 | |
| | | | Pdh | kW | 5.3 | |
| | | | PERd | % | 79 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 3.23 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 129 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 4.4 | |
| | | | Pdh | kW | 3.0 | |
| | | | PERd | % | 176 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 6.1 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 244 | |
| | | Tol (temperature operating limit) | COPd | | 1.37 | |
| | | | Pdh | kW | 4.0 | |
| | | | PERd | % | 55 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 55 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 2.0 | |
| | | Tbiv (bivalent temperature) | COPd | | 1.97 | |
| | | | Pdh | kW | 5.3 | |
| | | | PERd | % | 79 | |
| | | | Tbiv | °C | -7 | |
| | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 4,468 | |
| | | | ηs (Seasonal space heating efficiency) | % | 107 | |
| | | | Prated at -22°C | kW | 5.0 | |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHVH04S18E6V + ERGA04EV | EHVH04S23E6V + ERGA04EV |
|---|---|---|---|---|---|---|
| Space heating | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 1,660 | |
| | | | ηs (Seasonal space heating efficiency) | % | 148 | |
| | | | Prated at 2°C | kW | 4.7 | |
| | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 2,766 | |
| | | | ηs (Seasonal space heating efficiency) | % | 176 | |
| | | | Prated at -10°C | kW | 6.0 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 9.96 | |
| | | | SCOP | | 4.48 | |
| | | | Seasonal space heating eff. class | | A+++ | |
| | | A Condition (-7°CD-B/-8°CWB) | COPd | | 2.9 | |
| | | | Pdh | kW | 5.5 | |
| | | | PERd | % | 116 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 4.33 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 173 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 6.19 | |
| | | | Pdh | kW | 3.2 | |
| | | | PERd | % | 248 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 7.78 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 311 | |
| | | Tol (temperature operating limit) | COPd | | 2.56 | |
| | | | Pdh | kW | 5.2 | |
| | | | PERd | % | 102 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 35 | |
| | | Tbiv (bivalent temperature) | COPd | | 2.9 | |
| | | | Pdh | kW | 5.5 | |
| | | | PERd | % | 116 | |
| | | | Tbiv | °C | -7 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 0.8 | |
| | Cold climate water outlet 35°C | General | Annual energy consumption | kWh | 3,230 | |
| | | | ηs (Seasonal space heating efficiency) | % | 150 | |
| | | | Prated at -22°C | kW | 5.0 | |
| Space heating | Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,139 | |
| | | | ηs (Seasonal space heating efficiency) | % | 241 | |
| | | | Prated at 2°C | kW | 5.2 | |

(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 )

| Technical specifications | | | | | EHVX04S18E3V + ERGA04EV | EHVX04S23E3V + ERGA04EV |
|---|---|---|---|---|---|---|
| Heating capacity | Nom. | | | kW | 4.3 (1) / 4.6 (2) | |
| Cooling capacity | Nom. | | | kW | 4.86 (1) / 4.52 (2) | |
| Power input | Heating | Nom. | | kW | 0.85 (1) / 1.26 (2) | |
| | Cooling | Nom. | | kW | 0.81 (1) / 1.36 (2) | |
| | Domestic hot water from 10°C to 50°C | Nom. | | kWh | 2.48 | 3.01 |
| Heat up time from 10°C to 50°C | | | | hr | 1h28min | 1h40min |
| COP | | | | | 5.1 (1) / 3.65 (2) | |
| EER | | | | | 5.98 (1) / 3.32 (2) | |
| Pump | Nominal ESP unit | Cooling | | kPa | 54.6 (1) / 58.8 (2) | |
| | | Heating | | kPa | 59.6 (1) / 58.6 (2) | |
| Water side Heat exchanger | Water flow rate | Cooling | Nom. | l/min | 15.9 (1) / 13.0 (2) | |
| | | Heating | Nom. | l/min | 12.3 (1) / 13.2 (2) | |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | EHVX04S18E3V + ERGA04EV | EHVX04S23E3V + ERGA04EV |
|---|---|---|---|---|---|
| General | Supplier/ Manufacturer details | Name and address | | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium | |
| | | Name or trademark | | Daikin Europe N.V. | |
| | Product description | Air-to-water heat pump | | Yes | |
| | | Brine-to-water heat pump | | No | |
| | | Heat pump combination heater | | Yes | |
| | | Low-temperature heat pump | | No | |
| | | Supplementary heater integrated | | Yes | |
| | | Water-to-water heat pump | | No | |
| | LW(A) Sound power level (according to EN14825) | dB(A) | dBA | 42 | |
| LW(A) Sound power level (according to EN14825) | dB(A) | | dBA | 58 | |
| Sound condition Ecodesign and energy label | | | | Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825 | |
| Space heating general | Air to water unit | Rated airflow (outdoor) | $m^3/h$ | 2,280.0 | |
| | Other | Capacity control | | Inverter | |
| | | Pck (Crankcase heater mode) | kW | 0.0 | |
| | | Poff (Off mode) | kW | 0.01 | |
| | | Psb (Standby mode) | kW | 0.01 | |
| | | Pto (Thermostat off) | kW | 0.01 | |
| Domestic hot water heating | General | Declared load profile | | L | XL |
| | | Function to fix water heating during off peak hours | | No | |
| Space heating general | Integrated supplementary heater | Psup | kW | 3.0 | |
| | | Type of energy input | | Electrical | |
| Domestic hot water heating | Average climate | AEC (Annual electricity consumption) | kWh | 805 | 1,252 |
| | | ηwh (water heating efficiency) | % | 127 | 134 |
| | | Qelec (Daily electricity consumption) | kWh | 3.78 | 5.81 |
| Domestic hot water heating | Average climate | Water heating energy efficiency class | | A+ | |
| | Cold climate | AEC (Annual electricity consumption) | kWh | 932 | 1,457 |
| | | ηwh (water heating efficiency) | % | 110 | 116 |
| | | Qelec (Daily electricity consumption) | kWh | 4.37 | 6.75 |
| | Warm climate | AEC (Annual electricity consumption) | kWh | 668 | 1,033 |
| | | ηwh (water heating efficiency) | % | 153 | 163 |
| | | Qelec (Daily electricity consumption) | kWh | 3.15 | 4.8 |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHVX04S18E3V + ERGA04EV | EHVX04S23E3V + ERGA04EV |
|---|---|---|---|---|---|---|
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 3,769 | |
| | | | ηs (Seasonal space heating efficiency) | % | 129 | |
| | | | Prated at -10°C | kW | 6.0 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 13.6 | |
| | | | SCOP | | 3.29 | |
| | | | Seasonal space heating eff. class | | A++ | |
| | | A Condition (-7°CD-B/-8°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 1.97 | |
| | | | Pdh | kW | 5.3 | |
| | | | PERd | % | 79 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 3.23 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 129 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 4.4 | |
| | | | Pdh | kW | 3.0 | |
| | | | PERd | % | 176 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 6.1 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 244 | |
| | | Tol (temperature operating limit) | COPd | | 1.37 | |
| | | | Pdh | kW | 4.0 | |
| | | | PERd | % | 55 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 55 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 2.0 | |
| | | Tbiv (bivalent | COPd | | 1.97 | |
| | | | Pdh | kW | 5.3 | |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHVX04S18E3V + ERGA04EV | EHVX04S23E3V + ERGA04EV |
|---|---|---|---|---|---|---|
| Space heating | Average climate water outlet 55°C | Tbiv (bivalent temperature) | PERd | % | 79 | |
| | | | Tbiv | °C | -7 | |
| | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 4,446 | |
| | | | ηs (Seasonal space heating efficiency) | % | 108 | |
| | | | Prated at -22°C | kW | 5.0 | |
| | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 1,616 | |
| | | | ηs (Seasonal space heating efficiency) | % | 152 | |
| | | | Prated at 2°C | kW | 4.7 | |
| | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 2,729 | |
| | | | ηs (Seasonal space heating efficiency) | % | 179 | |
| | | | Prated at -10°C | kW | 6.0 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 9.82 | |
| | | | SCOP | | 4.54 | |
| | | | Seasonal space heating eff. class | | A+++ | |
| | | A Condition (-7°CD-B/-8°CWB) | COPd | | 2.9 | |
| | | | Pdh | kW | 5.5 | |
| | | | PERd | % | 116 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 4.33 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 173 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 6.19 | |
| | | | Pdh | kW | 3.2 | |
| | | | PERd | % | 248 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 7.78 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 311 | |
| | | Tol (temperature operating limit) | COPd | | 2.56 | |
| | | | Pdh | kW | 5.2 | |
| | | | PERd | % | 102 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 35 | |
| | | Tbiv (bivalent tempera- | COPd | | 2.9 | |
| | | | Pdh | kW | 5.5 | |
| | | | PERd | % | 116 | |
| Space heating | Average climate water outlet 35°C | Tbiv (bivalent temperature) | Tbiv | °C | -7 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 0.8 | |
| | Cold climate water outlet 35°C | General | Annual energy consumption | kWh | 3,208 | |
| | | | ηs (Seasonal space heating efficiency) | % | 151 | |
| | | | Prated at -22°C | kW | 5.0 | |
| | Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,095 | |
| | | | ηs (Seasonal space heating efficiency) | % | 251 | |
| | | | Prated at 2°C | kW | 5.2 | |

(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 )

| Technical specifications | | | EHVX04S18E6V + ERGA04EV | EHVX04S23E6V + ERGA04EV |
|---|---|---|---|---|
| Heating capacity | Nom. | kW | 4.3 (1) / 4.6 (2) | |
| Cooling capacity | Nom. | kW | 4.86 (1) / 4.52 (2) | |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHVX04S18E6V + ERGA04EV | EHVX04S23E6V + ERGA04EV |
|---|---|---|---|---|---|---|
| Power input | Heating | Nom. | | kW | 0.85 (1) / 1.26 (2) | |
| | Cooling | Nom. | | kW | 0.81 (1) / 1.36 (2) | |
| | Domestic hot water from 10°C to 50°C | Nom. | | kWh | 2.48 | 3.01 |
| Heat up time from 10°C to 50°C | | | | hr | 1h28min | 1h40min |
| COP | | | | | 5.1 (1) / 3.65 (2) | |
| EER | | | | | 5.98 (1) / 3.32 (2) | |
| Pump | Nominal ESP unit | Cooling | | kPa | 54.6 (1) / 58.8 (2) | |
| | | Heating | | kPa | 59.6 (1) / 58.6 (2) | |
| Water side Heat exchanger | Water flow rate | Cooling | Nom. | l/min | 15.9 (1) / 13.0 (2) | |
| | | Heating | Nom. | l/min | 12.3 (1) / 13.2 (2) | |
| General | Supplier/ Manufacturer details | Name and address | | | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium | |
| | | Name or trademark | | | Daikin Europe N.V. | |
| | Product description | Air-to-water heat pump | | | Yes | |
| | | Brine-to-water heat pump | | | No | |
| | | Heat pump combination heater | | | Yes | |
| | | Low-temperature heat pump | | | No | |
| | | Supplementary heater integrated | | | Yes | |
| | | Water-to-water heat pump | | | No | |
| | LW(A) Sound power level (according to EN14825) | dB(A) | | dBA | 42 | |
| LW(A) Sound power level (according to EN14825) | dB(A) | | | dBA | 58 | |
| Sound condition Ecodesign and energy label | | | | | Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825 | |
| Space heating general | Air to water unit | Rated airflow (outdoor) | | $m^3/h$ | 2,280.0 | |
| | Other | Capacity control | | | Inverter | |
| | | Pck (Crankcase heater mode) | | kW | 0.0 | |
| | | Poff (Off mode) | | kW | 0.01 | |
| | | Psb (Standby mode) | | kW | 0.01 | |
| | | Pto (Thermostat off) | | kW | 0.01 | |
| Domestic hot water heating | General | Declared load profile | | | L | XL |
| | | Function to fix water heating during off peak hours | | | No | |
| Space heating general | Integrated supplementary heater | Psup | | kW | 6.0 | |
| | | Type of energy input | | | Electrical | |
| Domestic hot water heating | Average climate | AEC (Annual electricity consumption) | | kWh | 820 | 1,267 |
| | | ηwh (water heating efficiency) | | % | 125 | 133 |
| | | Qelec (Daily electricity consumption) | | kWh | 3.87 | 5.9 |
| Domestic hot water heating | Average climate | Water heating energy efficiency class | | | A+ | |
| | Cold climate | AEC (Annual electricity consumption) | | kWh | 951 | 1,475 |
| | | ηwh (water heating efficiency) | | % | 107 | 114 |
| | | Qelec (Daily electricity consumption) | | kWh | 4.48 | 6.86 |
| | Warm climate | AEC (Annual electricity consumption) | | kWh | 680 | 1,046 |
| | | ηwh (water heating efficiency) | | % | 151 | 161 |
| | | Qelec (Daily electricity consumption) | | kWh | 3.22 | 4.88 |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHVX04S18E6V + ERGA04EV | EHVX04S23E6V + ERGA04EV |
|---|---|---|---|---|---|---|
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 3,769 | |
| | | | ηs (Seasonal space heating efficiency) | % | 129 | |
| | | | Prated at -10°C | kW | 6.0 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 13.6 | |
| | | | SCOP | | 3.29 | |
| | | | Seasonal space heating eff. class | | A++ | |
| | | A Condition (-7°CD-B/-8°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 1.97 | |
| | | | Pdh | kW | 5.3 | |
| | | | PERd | % | 79 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 3.23 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 129 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 4.4 | |
| | | | Pdh | kW | 3.0 | |
| | | | PERd | % | 176 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 6.1 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 244 | |
| | | Tol (temperature operating limit) | COPd | | 1.37 | |
| | | | Pdh | kW | 4.0 | |
| | | | PERd | % | 55 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 55 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 2.0 | |
| | | Tbiv (bivalent | COPd | | 1.97 | |
| | | | Pdh | kW | 5.3 | |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHVX04S18E6V + ERGA04EV | EHVX04S23E6V + ERGA04EV |
|---|---|---|---|---|---|---|
| Space heating | Average climate water outlet 55°C | Tbiv (bivalent temperature) | PERd | % | 79 | |
| | | | Tbiv | °C | -7 | |
| | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 4,446 | |
| | | | ηs (Seasonal space heating efficiency) | % | 108 | |
| | | | Prated at -22°C | kW | 5.0 | |
| | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 1,616 | |
| | | | ηs (Seasonal space heating efficiency) | % | 152 | |
| | | | Prated at 2°C | kW | 4.7 | |
| | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 2,729 | |
| | | | ηs (Seasonal space heating efficiency) | % | 179 | |
| | | | Prated at -10°C | kW | 6.0 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 9.82 | |
| | | | SCOP | | 4.54 | |
| | | | Seasonal space heating eff. class | | A+++ | |
| | | A Condition (-7°CD-B/-8°CWB) | COPd | | 2.9 | |
| | | | Pdh | kW | 5.5 | |
| | | | PERd | % | 116 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 4.33 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 173 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 6.19 | |
| | | | Pdh | kW | 3.2 | |
| | | | PERd | % | 248 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 7.78 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 311 | |
| | | Tol (temperature operating limit) | COPd | | 2.56 | |
| | | | Pdh | kW | 5.2 | |
| | | | PERd | % | 102 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 35 | |
| | | Tbiv (bivalent tempera- | COPd | | 2.9 | |
| | | | Pdh | kW | 5.5 | |
| | | | PERd | % | 116 | |
| Space heating | Average climate water outlet 35°C | Tbiv (bivalent temperature) | Tbiv | °C | -7 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 0.8 | |
| | Cold climate water outlet 35°C | General | Annual energy consumption | kWh | 3,208 | |
| | | | ηs (Seasonal space heating efficiency) | % | 151 | |
| | | | Prated at -22°C | kW | 5.0 | |
| | Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,095 | |
| | | | ηs (Seasonal space heating efficiency) | % | 251 | |
| | | | Prated at 2°C | kW | 5.2 | |

(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 )

| Technical specifications | | | EHVX04S18E6VG + ERGA04EV | EHVX04S23E6VG + ERGA04EV |
|---|---|---|---|---|
| Heating capacity | Nom. | kW | 4.3 (1) / 4.6 (2) | |
| Cooling capacity | Nom. | kW | 4.86 (1) / 4.52 (2) | |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHVX04S18E6VG + ERGA04EV | EHVX04S23E6VG + ERGA04EV |
|---|---|---|---|---|---|---|
| Power input | Heating | Nom. | | kW | 0.85 (1) / 1.26 (2) | |
| | Cooling | Nom. | | kW | 0.81 (1) / 1.36 (2) | |
| | Domestic hot water from 10°C to 50°C | Nom. | | kWh | 2.48 | 3.01 |
| Heat up time from 10°C to 50°C | | | | hr | 1h28min | 1h40min |
| COP | | | | | 5.1 (1) / 3.65 (2) | |
| EER | | | | | 5.98 (1) / 3.32 (2) | |
| Pump | Nominal ESP unit | Cooling | | kPa | 54.6 (1) / 58.8 (2) | |
| | | Heating | | kPa | 59.6 (1) / 58.6 (2) | |
| Water side Heat exchanger | Water flow rate | Cooling | Nom. | l/min | 15.9 (1) / 13.0 (2) | |
| | | Heating | Nom. | l/min | 12.3 (1) / 13.2 (2) | |
| General | Supplier/ Manufacturer details | Name and address | | | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium | |
| | | Name or trademark | | | Daikin Europe N.V. | |
| | Product description | Air-to-water heat pump | | | Yes | |
| | | Brine-to-water heat pump | | | No | |
| | | Heat pump combination heater | | | Yes | |
| | | Low-temperature heat pump | | | No | |
| | | Supplementary heater integrated | | | Yes | |
| | | Water-to-water heat pump | | | No | |
| | LW(A) Sound power level (according to EN14825) | dB(A) | | dBA | 42 | |
| LW(A) Sound power level (according to EN14825) | dB(A) | | | dBA | 58 | |
| Sound condition Ecodesign and energy label | | | | | Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825 | |
| Space heating general | Air to water unit | Rated airflow (outdoor) | | $m^3/h$ | 2,280.0 | |
| | Other | Capacity control | | | Inverter | |
| | | Pck (Crankcase heater mode) | | kW | 0.0 | |
| | | Poff (Off mode) | | kW | 0.01 | |
| | | Psb (Standby mode) | | kW | 0.01 | |
| | | Pto (Thermostat off) | | kW | 0.01 | |
| Domestic hot water heating | General | Declared load profile | | | L | XL |
| | | Function to fix water heating during off peak hours | | | No | |
| Space heating general | Integrated supplementary heater | Psup | | kW | 6.0 | |
| | | Type of energy input | | | Electrical | |
| Domestic hot water heating | Average climate | AEC (Annual electricity consumption) | | kWh | 820 | 1,267 |
| | | ηwh (water heating efficiency) | | % | 125 | 133 |
| | | Qelec (Daily electricity consumption) | | kWh | 3.87 | 5.9 |
| Domestic hot water heating | Average climate | Water heating energy efficiency class | | | A+ | |
| | Cold climate | AEC (Annual electricity consumption) | | kWh | 951 | 1,475 |
| | | ηwh (water heating efficiency) | | % | 107 | 114 |
| | | Qelec (Daily electricity consumption) | | kWh | 4.48 | 6.86 |
| | Warm climate | AEC (Annual electricity consumption) | | kWh | 680 | 1,046 |
| | | ηwh (water heating efficiency) | | % | 151 | 161 |
| | | Qelec (Daily electricity consumption) | | kWh | 3.22 | 4.88 |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHVX04S18E6VG + ERGA04EV | EHVX04S23E6VG + ERGA04EV |
|---|---|---|---|---|---|---|
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 3,769 | |
| | | | ηs (Seasonal space heating efficiency) | % | 129 | |
| | | | Prated at -10°C | kW | 6.0 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 13.6 | |
| | | | SCOP | | 3.29 | |
| | | | Seasonal space heating eff. class | | A++ | |
| | | A Condition (-7°CD-B/-8°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 1.97 | |
| | | | Pdh | kW | 5.3 | |
| | | | PERd | % | 79 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 3.23 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 129 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 4.4 | |
| | | | Pdh | kW | 3.0 | |
| | | | PERd | % | 176 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 6.1 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 244 | |
| | | Tol (temperature operating limit) | COPd | | 1.37 | |
| | | | Pdh | kW | 4.0 | |
| | | | PERd | % | 55 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 55 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 2.0 | |
| | | Tbiv (bivalent | COPd | | 1.97 | |
| | | | Pdh | kW | 5.3 | |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHVX04S18E6VG + ERGA04EV | EHVX04S23E6VG + ERGA04EV |
|---|---|---|---|---|---|---|
| Space heating | Average climate water outlet 55°C | Tbiv (bivalent temperature) | PERd | % | 79 | |
| | | | Tbiv | °C | -7 | |
| | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 4,446 | |
| | | | ηs (Seasonal space heating efficiency) | % | 108 | |
| | | | Prated at -22°C | kW | 5.0 | |
| | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 1,616 | |
| | | | ηs (Seasonal space heating efficiency) | % | 152 | |
| | | | Prated at 2°C | kW | 4.7 | |
| | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 2,729 | |
| | | | ηs (Seasonal space heating efficiency) | % | 179 | |
| | | | Prated at -10°C | kW | 6.0 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 9.82 | |
| | | | SCOP | | 4.54 | |
| | | | Seasonal space heating eff. class | | A+++ | |
| | | A Condition (-7°CD-B/-8°CWB) | COPd | | 2.9 | |
| | | | Pdh | kW | 5.5 | |
| | | | PERd | % | 116 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 4.33 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 173 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 6.19 | |
| | | | Pdh | kW | 3.2 | |
| | | | PERd | % | 248 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 7.78 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 311 | |
| | | Tol (temperature operating limit) | COPd | | 2.56 | |
| | | | Pdh | kW | 5.2 | |
| | | | PERd | % | 102 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 35 | |
| | | Tbiv (bivalent tempera- | COPd | | 2.9 | |
| | | | Pdh | kW | 5.5 | |
| | | | PERd | % | 116 | |
| Space heating | Average climate water outlet 35°C | Tbiv (bivalent temperature) | Tbiv | °C | -7 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 0.8 | |
| | Cold climate water outlet 35°C | General | Annual energy consumption | kWh | 3,208 | |
| | | | ηs (Seasonal space heating efficiency) | % | 151 | |
| | | | Prated at -22°C | kW | 5.0 | |
| | Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,095 | |
| | | | ηs (Seasonal space heating efficiency) | % | 251 | |
| | | | Prated at 2°C | kW | 5.2 | |

(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 )

| Technical specifications | | | | EHVZ04S18E6V + ERGA04EV |
|---|---|---|---|---|
| Heating capacity | Nom. | | kW | 4.3 (1) / 4.6 (2) |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | EHVZ04S18E6V + ERGA04EV |
|---|---|---|---|---|
| Power input | Heating | Nom. | kW | 0.85 (1) / 1.26 (2) |
| | Domestic hot water from 10°C to 50°C | Nom. | kWh | 2.48 |
| Heat up time from 10°C to 50°C | | | hr | 1h28min |
| COP | | | | 5.1 (1) / 3.65 (2) |
| Pump | Nominal ESP unit | Heating | kPa | 59.6 (1) / 58.6 (2) |
| Water side Heat exchanger | Water flow rate | Heating Nom. | l/min | 12.3 (1) / 13.2 (2) |
| General | Supplier/ Manufacturer details | Name and address | | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium |
| | | Name or trademark | | Daikin Europe N.V. |
| | Product description | Air-to-water heat pump | | Yes |
| | | Brine-to-water heat pump | | No |
| | | Heat pump combination heater | | Yes |
| | | Low-temperature heat pump | | No |
| | | Supplementary heater integrated | | Yes |
| | | Water-to-water heat pump | | No |
| | LW(A) Sound power level (according to EN14825) | dB(A) | dBA | 42 |
| LW(A) Sound power level (according to EN14825) | dB(A) | | dBA | 58 |
| Sound condition Ecodesign and energy label | | | | Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825 |
| Space heating general | Air to water unit | Rated airflow (outdoor) | $m^3/h$ | 2,280.0 |
| | Other | Capacity control | | Inverter |
| | | Pck (Crankcase heater mode) | kW | 0.0 |
| | | Poff (Off mode) | kW | 0.01 |
| | | Psb (Standby mode) | kW | 0.01 |
| | | Pto (Thermostat off) | kW | 0.01 |
| Domestic hot water heating | General | Declared load profile | | L |
| | | Function to fix water heating during off peak hours | | No |
| Space heating general | Integrated supplementary heater | Psup | kW | 6.0 |
| | | Type of energy input | | Electrical |
| Domestic hot water heating | Average climate | AEC (Annual electricity consumption) | kWh | 820 |
| | | ηwh (water heating efficiency) | % | 125 |
| | | Qelec (Daily electricity consumption) | kWh | 3.87 |
| | | Water heating energy efficiency class | | A+ |
| | Cold climate | AEC (Annual electricity consumption) | kWh | 951 |
| | | ηwh (water heating efficiency) | % | 107 |
| | | Qelec (Daily electricity consumption) | kWh | 4.48 |
| | Warm climate | AEC (Annual electricity consumption) | kWh | 680 |
| Domestic hot water heating | Warm climate | ηwh (water heating efficiency) | % | 151 |
| | | Qelec (Daily electricity consumption) | kWh | 3.22 |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHVZ04S18E6V + ERGA04EV |
|---|---|---|---|---|---|
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 3,806 |
| | | | ηs (Seasonal space heating efficiency) | % | 127 |
| | | | Prated at -10°C | kW | 6.0 |
| | | | Qhe Annual energy consumption (GCV) | Gj | 13.7 |
| | | | SCOP | | 3.26 |
| | | | Seasonal space heating eff. class | | A++ |
| | | A Condition (-7°CD-B/-8°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 1.97 |
| | | | Pdh | kW | 5.3 |
| | | | PERd | % | 79 |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 3.23 |
| | | | Pdh | kW | 3.3 |
| | | | PERd | % | 129 |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 4.4 |
| | | | Pdh | kW | 3.0 |
| | | | PERd | % | 176 |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 6.1 |
| | | | Pdh | kW | 3.3 |
| | | | PERd | % | 244 |
| | | Tol (temperature operating limit) | COPd | | 1.37 |
| | | | Pdh | kW | 4.0 |
| | | | PERd | % | 55 |
| | | | TOL | °C | -10 |
| | | | WTOL | °C | 55 |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 2.0 |
| | | Tbiv (bivalent temperature) | COPd | | 1.97 |
| | | | Pdh | kW | 5.3 |
| | | | PERd | % | 79 |
| | | | Tbiv | °C | -7 |
| | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 4,468 |
| | | | ηs (Seasonal space heating efficiency) | % | 107 |
| | | | Prated at -22°C | kW | 5.0 |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHVZ04S18E6V + ERGA04EV |
|---|---|---|---|---|---|
| Space heating | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 1,660 |
| | | | ηs (Seasonal space heating efficiency) | % | 148 |
| | | | Prated at 2°C | kW | 4.7 |
| | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 2,766 |
| | | | ηs (Seasonal space heating efficiency) | % | 176 |
| | | | Prated at -10°C | kW | 6.0 |
| | | | Qhe Annual energy consumption (GCV) | Gj | 9.96 |
| | | | SCOP | | 4.48 |
| | | | Seasonal space heating eff. class | | A+++ |
| | | A Condition (-7°CD-B/-8°CWB) | COPd | | 2.9 |
| | | | Pdh | kW | 5.5 |
| | | | PERd | % | 116 |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 4.33 |
| | | | Pdh | kW | 3.3 |
| | | | PERd | % | 173 |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 6.19 |
| | | | Pdh | kW | 3.2 |
| | | | PERd | % | 248 |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 7.78 |
| | | | Pdh | kW | 3.3 |
| | | | PERd | % | 311 |
| | | Tol (temperature operating limit) | COPd | | 2.56 |
| | | | Pdh | kW | 5.2 |
| | | | PERd | % | 102 |
| | | | TOL | °C | -10 |
| | | | WTOL | °C | 35 |
| | | Tbiv (bivalent temperature) | COPd | | 2.9 |
| | | | Pdh | kW | 5.5 |
| | | | PERd | % | 116 |
| | | | Tbiv | °C | -7 |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 0.8 |
| | Cold climate water outlet 35°C | General | Annual energy consumption | kWh | 3,230 |
| | | | ηs (Seasonal space heating efficiency) | % | 150 |
| | | | Prated at -22°C | kW | 5.0 |
| Space heating | Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,139 |
| | | | ηs (Seasonal space heating efficiency) | % | 241 |
| | | | Prated at 2°C | kW | 5.2 |

(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 )

| Technical specifications | | | | | EHBH08E6V + ERGA06EVH |
|---|---|---|---|---|---|
| Heating capacity | Nom. | | | kW | 6.0 (1) / 5.9 (2) |
| Power input | Heating | Nom. | | kW | 1.24 (1) / 1.69 (2) |
| COP | | | | | 4.85 (1) / 3.5 (2) |
| Pump | Nominal ESP unit | Heating | | kPa | 52.4 (1) / 52.9 (2) |
| Water side Heat exchanger | Water flow rate | Heating | Nom. | l/min | 17.2 (1) / 16.9 (2) |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHBH08E6V + ERGA06EVH |
|---|---|---|---|---|---|
| General | Supplier/ Manufacturer details | Name and address | | | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium |
| | | Name or trademark | | | Daikin Europe N.V. |
| | Product description | Air-to-water heat pump | | | Yes |
| | | Brine-to-water heat pump | | | No |
| | | Heat pump combination heater | | | No |
| | | Low-temperature heat pump | | | No |
| | | Supplementary heater integrated | | | Yes |
| | | Water-to-water heat pump | | | No |
| | LW(A) Sound power level (according to EN14825) | dB(A) | | dBA | 42 |
| LW(A) Sound power level (according to EN14825) | dB(A) | | | dBA | 60 |
| Sound condition Ecodesign and energy label | | | | | Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825 |
| Space heating general | Air to water unit | Rated airflow (outdoor) | | $m^3/h$ | 2,520.0 |
| | Other | Capacity control | | | Inverter |
| | | Pck (Crankcase heater mode) | | kW | 0.0 |
| | | Poff (Off mode) | | kW | 0.01 |
| | | Psb (Standby mode) | | kW | 0.01 |
| | | Pto (Thermostat off) | | kW | 0.01 |
| | Integrated supplementary heater | Psup | | kW | 6.0 |
| | | Type of energy input | | | Electrical |
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 4,441 |
| | | | ηs (Seasonal space heating efficiency) | % | 127 |
| | | | Prated at -10°C | kW | 7.0 |
| | | | Qhe Annual energy consumption (GCV) | Gj | 16.0 |
| | | | SCOP | | 3.26 |
| | | | Seasonal space heating eff. class | | A++ |
| | | A Condition (-7°CD-B/-8°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 1.98 |
| | | | Pdh | kW | 5.9 |
| | | | PERd | % | 79 |
| | | B Condition (2°CD- | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 3.16 |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHBH08E6V + ERGA06EVH |
|---|---|---|---|---|---|
| Space heating | Average climate water outlet 55°C | B Condition (2°CD-B/1°CWB) | Pdh | kW | 3.9 |
| | | | PERd | % | 126 |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 4.49 |
| | | | Pdh | kW | 3.0 |
| | | | PERd | % | 180 |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 6.1 |
| | | | Pdh | kW | 3.3 |
| | | | PERd | % | 244 |
| | | Tol (temperature operating limit) | COPd | | 1.53 |
| | | | Pdh | kW | 5.4 |
| | | | PERd | % | 61 |
| | | | TOL | °C | -10 |
| | | | WTOL | °C | 55 |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1.6 |
| | | Tbiv (bivalent temperature) | COPd | | 2.12 |
| | | | Pdh | kW | 6.1 |
| | | | PERd | % | 85 |
| | | | Tbiv | °C | -6 |
| | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 5,300 |
| | | | ηs (Seasonal space heating efficiency) | % | 109 |
| | | | Prated at -22°C | kW | 6.0 |
| | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 1,858 |
| | | | ηs (Seasonal space heating efficiency) | % | 158 |
| | | | Prated at 2°C | kW | 5.6 |
| | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 3,233 |
| | | | ηs (Seasonal space heating efficiency) | % | 176 |
| | | | Prated at -10°C | kW | 7.0 |
| | | | Qhe Annual energy consumption (GCV) | Gj | 11.6 |
| | | | SCOP | | 4.47 |
| | | | Seasonal space heating eff. class | | A+++ |
| | | A Condition (-7°CD-B/-8°CWB) | COPd | | 2.86 |
| | | | Pdh | kW | 6.0 |
| | | | PERd | % | 114 |
| | | B Condition (2°CD- | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 4.25 |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHBH08E6V + ERGA06EVH |
|---|---|---|---|---|---|
| Space heating | Average climate water outlet 35°C | B Condition (2°CD-B/1°CWB) | Pdh | kW | 3.9 |
| | | | PERd | % | 170 |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 6.3 |
| | | | Pdh | kW | 3.2 |
| | | | PERd | % | 252 |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 7.78 |
| | | | Pdh | kW | 3.3 |
| | | | PERd | % | 311 |
| | | Tol (temperature operating limit) | COPd | | 2.49 |
| | | | Pdh | kW | 6.0 |
| | | | PERd | % | 100 |
| | | | TOL | °C | -10 |
| | | | WTOL | °C | 35 |
| | | Tbiv (bivalent temperature) | COPd | | 3.07 |
| | | | Pdh | kW | 6.1 |
| | | | PERd | % | 123 |
| | | | Tbiv | °C | -6 |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1.0 |
| | Cold climate water outlet 35°C | General | Annual energy consumption | kWh | 3,749 |
| | | | ηs (Seasonal space heating efficiency) | % | 155 |
| | | | Prated at -22°C | kW | 6.0 |
| | Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,276 |
| | | | ηs (Seasonal space heating efficiency) | % | 248 |
| | | | Prated at 2°C | kW | 6.0 |

(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 )

| Technical specifications | | | | | EHBH08E9W + ERGA06EVH |
|---|---|---|---|---|---|
| Heating capacity | Nom. | | | kW | 6.0 (1) / 5.9 (2) |
| Power input | Heating | Nom. | | kW | 1.24 (1) / 1.69 (2) |
| COP | | | | | 4.85 (1) / 3.5 (2) |
| Pump | Nominal ESP unit | Heating | | kPa | 52.4 (1) / 52.9 (2) |
| Water side Heat exchanger | Water flow rate | Heating | Nom. | l/min | 17.2 (1) / 16.9 (2) |
| General | Supplier/ | Name and address | | | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium |
| | Manufacturer details | Name or trademark | | | Daikin Europe N.V. |
| | Product description | Air-to-water heat pump | | | Yes |
| | | Brine-to-water heat pump | | | No |
| | | Heat pump combination heater | | | No |
| | | Low-temperature heat pump | | | No |
| | | Supplementary heater integrated | | | Yes |
| | | Water-to-water heat pump | | | No |
| | LW(A) Sound power level (according to EN14825) | dB(A) | | dBA | 42 |
| LW(A) Sound power level (according to EN14825) | dB(A) | | | dBA | 60 |
| Sound condition Ecodesign and energy label | | | | | Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825 |
| Space heating general | Air to water unit | Rated airflow (outdoor) | | $m^3/h$ | 2,520.0 |
| | Other | Capacity control | | | Inverter |
| | | Pck (Crankcase heater mode) | | kW | 0.0 |
| | | Poff (Off mode) | | kW | 0.01 |
| | | Psb (Standby mode) | | kW | 0.01 |
| | | Pto (Thermostat off) | | kW | 0.01 |
| | Integrated supplementary heater | Psup | | kW | 9.0 |
| | | Type of energy input | | | Electrical |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHBH08E9W + ERGA06EVH |
|---|---|---|---|---|---|
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 4,441 |
| | | | ηs (Seasonal space heating efficiency) | % | 127 |
| | | | Prated at -10°C | kW | 7.0 |
| | | | Qhe Annual energy consumption (GCV) | Gj | 16.0 |
| | | | SCOP | | 3.26 |
| | | | Seasonal space heating eff. class | | A++ |
| | | A Condition (-7°CD-B/-8°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 1.98 |
| | | | Pdh | kW | 5.9 |
| | | | PERd | % | 79 |
| | | B Condition (2°CD- | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 3.16 |
| Space heating | Average climate water outlet 55°C | B Condition (2°CD-B/1°CWB) | Pdh | kW | 3.9 |
| | | | PERd | % | 126 |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 4.49 |
| | | | Pdh | kW | 3.0 |
| | | | PERd | % | 180 |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 6.1 |
| | | | Pdh | kW | 3.3 |
| | | | PERd | % | 244 |
| | | Tol (temperature operating limit) | COPd | | 1.53 |
| | | | Pdh | kW | 5.4 |
| | | | PERd | % | 61 |
| | | | TOL | °C | -10 |
| | | | WTOL | °C | 55 |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1.6 |
| | | Tbiv (bivalent temperature) | COPd | | 2.12 |
| | | | Pdh | kW | 6.1 |
| | | | PERd | % | 85 |
| | | | Tbiv | °C | -6 |
| | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 5,300 |
| | | | ηs (Seasonal space heating efficiency) | % | 109 |
| | | | Prated at -22°C | kW | 6.0 |
| | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 1,858 |
| | | | ηs (Seasonal space heating efficiency) | % | 158 |
| | | | Prated at 2°C | kW | 5.6 |
| | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 3,233 |
| | | | ηs (Seasonal space heating efficiency) | % | 176 |
| | | | Prated at -10°C | kW | 7.0 |
| | | | Qhe Annual energy consumption (GCV) | Gj | 11.6 |
| | | | SCOP | | 4.47 |
| | | | Seasonal space heating eff. class | | A+++ |
| | | A Condition (-7°CD-B/-8°CWB) | COPd | | 2.86 |
| | | | Pdh | kW | 6.0 |
| | | | PERd | % | 114 |
| | | B Condition (2°CD- | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 4.25 |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHBH08E9W + ERGA06EVH |
|---|---|---|---|---|---|
| Space heating | Average climate water outlet 35°C | B Condition (2°CD-B/1°CWB) | Pdh | kW | 3.9 |
| | | | PERd | % | 170 |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 6.3 |
| | | | Pdh | kW | 3.2 |
| | | | PERd | % | 252 |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 7.78 |
| | | | Pdh | kW | 3.3 |
| | | | PERd | % | 311 |
| | | Tol (temperature operating limit) | COPd | | 2.49 |
| | | | Pdh | kW | 6.0 |
| | | | PERd | % | 100 |
| | | | TOL | °C | -10 |
| | | | WTOL | °C | 35 |
| | | Tbiv (bivalent temperature) | COPd | | 3.07 |
| | | | Pdh | kW | 6.1 |
| | | | PERd | % | 123 |
| | | | Tbiv | °C | -6 |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1.0 |
| | Cold climate water outlet 35°C | General | Annual energy consumption | kWh | 3,749 |
| | | | ηs (Seasonal space heating efficiency) | % | 155 |
| | | | Prated at -22°C | kW | 6.0 |
| | Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,276 |
| | | | ηs (Seasonal space heating efficiency) | % | 248 |
| | | | Prated at 2°C | kW | 6.0 |

(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 )

| Technical specifications | | | | | EHBX08E6V + ERGA06EVH |
|---|---|---|---|---|---|
| Heating capacity | Nom. | | | kW | 6.0 (1) / 5.9 (2) |
| Cooling capacity | Nom. | | | kW | 5.96 (1) / 5.09 (2) |
| Power input | Heating | Nom. | | kW | 1.24 (1) / 1.69 (2) |
| | Cooling | Nom. | | kW | 1.06 (1) / 1.55 (2) |
| COP | | | | | 4.85 (1) / 3.5 (2) |
| EER | | | | | 5.61 (1) / 3.28 (2) |
| Pump | Nominal ESP unit | Cooling | | kPa | 52.6 (1) / 56.7 (2) |
| | | Heating | | kPa | 52.4 (1) / 52.9 (2) |
| Water side Heat exchanger | Water flow rate | Cooling | Nom. | l/min | 17.1 (1) / 14.6 (2) |
| | | Heating | Nom. | l/min | 17.2 (1) / 16.9 (2) |
| General | Supplier/ Manufacturer details | Name and address | | | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium |
| | | Name or trademark | | | Daikin Europe N.V. |
| | Product description | Air-to-water heat pump | | | Yes |
| | | Brine-to-water heat pump | | | No |
| | | Heat pump combination heater | | | No |
| | | Low-temperature heat pump | | | No |
| | | Supplementary heater integrated | | | Yes |
| | | Water-to-water heat pump | | | No |
| | LW(A) Sound power level (according to EN14825) | dB(A) | | dBA | 42 |
| LW(A) Sound power level (according to EN14825) | dB(A) | | | dBA | 60 |
| Sound condition Ecodesign and energy label | | | | | Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825 |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHBX08E6V + ERGA06EVH |
|---|---|---|---|---|---|
| Space heating general | Air to water unit | Rated airflow (outdoor) | | $m^3/h$ | 2,520.0 |
| | Other | Capacity control | | | Inverter |
| | | Pck (Crankcase heater mode) | | kW | 0.0 |
| | | Poff (Off mode) | | kW | 0.01 |
| | | Psb (Standby mode) | | kW | 0.01 |
| | | Pto (Thermostat off) | | kW | 0.01 |
| | Integrated supplementary heater | Psup | | kW | 6.0 |
| | | Type of energy input | | | Electrical |
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 4,405 |
| | | | ηs (Seasonal space heating efficiency) | % | 128 |
| | | | Prated at -10°C | kW | 7.0 |
| | | | Qhe Annual energy consumption (GCV) | Gj | 15.9 |
| | | | SCOP | | 3.28 |
| | | | Seasonal space heating eff. class | | A++ |
| | | A Condition (-7°CD-B/-8°CWB) | Cdh (Degradation heating) | | 1.0 |
| Space heating | Average climate water outlet 55°C | A Condition (-7°CD-B/-8°CWB) | COPd | | 1.98 |
| | | | Pdh | kW | 5.9 |
| | | | PERd | % | 79 |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 3.16 |
| | | | Pdh | kW | 3.9 |
| | | | PERd | % | 126 |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 4.49 |
| | | | Pdh | kW | 3.0 |
| | | | PERd | % | 180 |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 6.1 |
| | | | Pdh | kW | 3.3 |
| | | | PERd | % | 244 |
| | | Tol (temperature operating limit) | COPd | | 1.53 |
| | | | Pdh | kW | 5.4 |
| | | | PERd | % | 61 |
| | | | TOL | °C | -10 |
| | | | WTOL | °C | 55 |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1.6 |
| | | Tbiv (bivalent temperature) | COPd | | 2.12 |
| | | | Pdh | kW | 6.1 |
| | | | PERd | % | 85 |
| | | | Tbiv | °C | -6 |
| | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 5,278 |
| | | | ηs (Seasonal space heating efficiency) | % | 109 |
| | | | Prated at -22°C | kW | 6.0 |
| | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 1,813 |
| | | | ηs (Seasonal space heating efficiency) | % | 162 |
| | | | Prated at 2°C | kW | 5.6 |
| | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 3,196 |
| | | | ηs (Seasonal space heating efficiency) | % | 178 |
| | | | Prated at -10°C | kW | 7.0 |
| | | | Qhe Annual energy consumption (GCV) | Gj | 11.5 |
| | | | SCOP | | 4.52 |
| | | | Seasonal space heating eff. class | | A+++ |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHBX08E6V + ERGA06EVH |
|---|---|---|---|---|---|
| Space heating | Average climate water outlet 35°C | A Condition (-7°CD-B/-8°CWB) | COPd | | 2.86 |
| | | | Pdh | kW | 6.0 |
| | | | PERd | % | 114 |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 4.25 |
| | | | Pdh | kW | 3.9 |
| | | | PERd | % | 170 |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 6.3 |
| | | | Pdh | kW | 3.2 |
| | | | PERd | % | 252 |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 7.78 |
| | | | Pdh | kW | 3.3 |
| | | | PERd | % | 311 |
| | | Tol (temperature operating limit) | COPd | | 2.49 |
| | | | Pdh | kW | 6.0 |
| | | | PERd | % | 100 |
| | | | TOL | °C | -10 |
| | | | WTOL | °C | 35 |
| | | Tbiv (bivalent temperature) | COPd | | 3.07 |
| | | | Pdh | kW | 6.1 |
| | | | PERd | % | 123 |
| | | | Tbiv | °C | -6 |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1.0 |
| | Cold climate water outlet 35°C | General | Annual energy consumption | kWh | 3,727 |
| | | | ηs (Seasonal space heating efficiency) | % | 156 |
| | | | Prated at -22°C | kW | 6.0 |
| | Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,232 |
| | | | ηs (Seasonal space heating efficiency) | % | 257 |
| | | | Prated at 2°C | kW | 6.0 |

(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 )

| Technical specifications | | | | | EHBX08E9W + ERGA06EVH |
|---|---|---|---|---|---|
| Heating capacity | Nom. | | | kW | 6.0 (1) / 5.9 (2) |
| Cooling capacity | Nom. | | | kW | 5.96 (1) / 5.09 (2) |
| Power input | Heating | Nom. | | kW | 1.24 (1) / 1.69 (2) |
| | Cooling | Nom. | | kW | 1.06 (1) / 1.55 (2) |
| COP | | | | | 4.85 (1) / 3.5 (2) |
| EER | | | | | 5.61 (1) / 3.28 (2) |
| Pump | Nominal ESP unit | Cooling | | kPa | 52.6 (1) / 56.7 (2) |
| | | Heating | | kPa | 52.4 (1) / 52.9 (2) |
| Water side Heat exchanger | Water flow rate | Cooling | Nom. | l/min | 17.1 (1) / 14.6 (2) |
| | | Heating | Nom. | l/min | 17.2 (1) / 16.9 (2) |
| General | Supplier/ Manufacturer details | Name and address | | | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium |
| | | Name or trademark | | | Daikin Europe N.V. |
| | Product description | Air-to-water heat pump | | | Yes |
| | | Brine-to-water heat pump | | | No |
| | | Heat pump combination heater | | | No |
| | | Low-temperature heat pump | | | No |
| | | Supplementary heater integrated | | | Yes |
| | | Water-to-water heat pump | | | No |
| | LW(A) Sound power level (according to EN14825) | dB(A) | | dBA | 42 |
| LW(A) Sound power level (according to EN14825) | dB(A) | | | dBA | 60 |
| Sound condition Ecodesign and energy label | | | | | Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825 |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHBX08E9W + ERGA06EVH |
|---|---|---|---|---|---|
| Space heating general | Air to water unit | Rated airflow (outdoor) | | $m^3/h$ | 2,520.0 |
| | Other | Capacity control | | | Inverter |
| | | Pck (Crankcase heater mode) | | kW | 0.0 |
| | | Poff (Off mode) | | kW | 0.01 |
| | | Psb (Standby mode) | | kW | 0.01 |
| | | Pto (Thermostat off) | | kW | 0.01 |
| | Integrated supplementary heater | Psup | | kW | 9.0 |
| | | Type of energy input | | | Electrical |
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 4,405 |
| | | | ηs (Seasonal space heating efficiency) | % | 128 |
| | | | Prated at -10°C | kW | 7.0 |
| | | | Qhe Annual energy consumption (GCV) | Gj | 15.9 |
| | | | SCOP | | 3.28 |
| | | | Seasonal space heating eff. class | | A++ |
| | | A Condition (-7°CD-B/-8°CWB) | Cdh (Degradation heating) | | 1.0 |
| Space heating | Average climate water outlet 55°C | A Condition (-7°CD-B/-8°CWB) | COPd | | 1.98 |
| | | | Pdh | kW | 5.9 |
| | | | PERd | % | 79 |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 3.16 |
| | | | Pdh | kW | 3.9 |
| | | | PERd | % | 126 |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 4.49 |
| | | | Pdh | kW | 3.0 |
| | | | PERd | % | 180 |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 6.1 |
| | | | Pdh | kW | 3.3 |
| | | | PERd | % | 244 |
| | | Tol (temperature operating limit) | COPd | | 1.53 |
| | | | Pdh | kW | 5.4 |
| | | | PERd | % | 61 |
| | | | TOL | °C | -10 |
| | | | WTOL | °C | 55 |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1.6 |
| | | Tbiv (bivalent temperature) | COPd | | 2.12 |
| | | | Pdh | kW | 6.1 |
| | | | PERd | % | 85 |
| | | | Tbiv | °C | -6 |
| | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 5,278 |
| | | | ηs (Seasonal space heating efficiency) | % | 109 |
| | | | Prated at -22°C | kW | 6.0 |
| | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 1,813 |
| | | | ηs (Seasonal space heating efficiency) | % | 162 |
| | | | Prated at 2°C | kW | 5.6 |
| | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 3,196 |
| | | | ηs (Seasonal space heating efficiency) | % | 178 |
| | | | Prated at -10°C | kW | 7.0 |
| | | | Qhe Annual energy consumption (GCV) | Gj | 11.5 |
| | | | SCOP | | 4.52 |
| | | | Seasonal space heating eff. class | | A+++ |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHBX08E9W + ERGA06EVH |
|---|---|---|---|---|---|
| Space heating | Average climate water outlet 35°C | A Condition (-7°CD-B/-8°CWB) | COPd | | 2.86 |
| | | | Pdh | kW | 6.0 |
| | | | PERd | % | 114 |
| | | | Cdh (Degradation heating) | | 1.0 |
| | | B Condition (2°CD-B/1°CWB) | COPd | | 4.25 |
| | | | Pdh | kW | 3.9 |
| | | | PERd | % | 170 |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 6.3 |
| | | | Pdh | kW | 3.2 |
| | | | PERd | % | 252 |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 7.78 |
| | | | Pdh | kW | 3.3 |
| | | | PERd | % | 311 |
| | | Tol (temperature operating limit) | COPd | | 2.49 |
| | | | Pdh | kW | 6.0 |
| | | | PERd | % | 100 |
| | | | TOL | °C | -10 |
| | | | WTOL | °C | 35 |
| | | Tbiv (bivalent temperature) | COPd | | 3.07 |
| | | | Pdh | kW | 6.1 |
| | | | PERd | % | 123 |
| | | | Tbiv | °C | -6 |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1.0 |
| | Cold climate water outlet 35°C | General | Annual energy consumption | kWh | 3,727 |
| | | | ηs (Seasonal space heating efficiency) | % | 156 |
| | | | Prated at -22°C | kW | 6.0 |
| | Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,232 |
| | | | ηs (Seasonal space heating efficiency) | % | 257 |
| | | | Prated at 2°C | kW | 6.0 |

(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 )

| Technical specifications | | | | | EHSH08P30E + ERGA06EVH | EHSH08P50E + ERGA06EVH |
|---|---|---|---|---|---|---|
| Indoor unit | | | | | EHSH08P30EF | EHSH08P50EF |
| Outdoor unit | | | | | ERGA06EAV3H | |
| Heating capacity | Nom. | | | kW | 6.00 (1) / 5.90 (2) | |
| Power input | Heating | Nom. | | kW | 1.24 (1) / 1.69 (2) | |
| COP | | | | | 4.85 (1) / 3.50 (2) | |
| Pump | Type | | | | Grundfos UPM4 K 20-75 CHBL FS2 | |
| Water side Heat exchanger | Water flow rate | Heating | Nom. | l/min | 17.2 (1) / 16.9 (2) | |
| General | Supplier/ Manufacturer details | Name and address | | | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium | |
| | | Name or trademark | | | Daikin Europe N.V. | |
| | Product description | Air-to-water heat pump | | | Yes | |
| | | Brine-to-water heat pump | | | No | |
| | | Heat pump combination heater | | | Yes | |
| | | Low-temperature heat pump | | | No | |
| | | Supplementary heater integrated | | | No | |
| | | Water-to-water heat pump | | | No | |
| | LW(A) Sound power level (according to EN14825) | dB(A) | | dBA | 39 | |
| LW(A) Sound power level (according to EN14825) | dB(A) | | | dBA | 60 | |
| Sound condition Ecodesign and energy label | | | | | Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825 | |
| Space heating general | Air to water unit | Rated airflow (outdoor) | | $m^3/h$ | 2,520 | |
| | Other | Capacity control | | | Inverter | |
| | | Pck (Crankcase heater mode) | | kW | 0 | |
| | | Poff (Off mode) | | kW | 0.01 | |
| | | Psb (Standby mode) | | kW | 0.01 | |
| | | Pto (Thermostat off) | | kW | 0.01 | |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHSH08P30E + ERGA06EVH | EHSH08P50E + ERGA06EVH |
|---|---|---|---|---|---|---|
| Domestic hot water heating | General | Declared load profile | | | L | XL |
| | | Function to fix water heating during off peak hours | | | No | |
| Space heating general | Integrated supplementary heater | Type of energy input | | | Electrical | |
| Domestic hot water heating | Average climate | AEC (Annual electricity consumption) | | kWh | 867 | 1,336 |
| | | COPdhw | | | 2.8 | 3.06 |
| | | Heat up time | | | 1h 34min | 2h 41min |
| | | Mixed water at 40°C | | l | 140.4 | 227.9 |
| | | ηwh (water heating efficiency) | | % | 118 | 125 |
| | | Qelec (Daily electricity consumption) | | kWh | 4.172 | 6.224 |
| | | Reference hot water temperature | | °C | 44.6 | |
| | | Stand-by power input | | W | 40.4 | 25.3 |
| | | Water heating energy efficiency class | | | A+ | |
| Domestic hot water heating | Cold climate | AEC (Annual electricity consumption) | | kWh | 1,006 | 1,493 |
| | | COPdhw | | | 2.41 | 2.75 |
| | | Mixed water at 40°C | | l | 140 | 227.9 |
| | | ηwh (water heating efficiency) | | % | 102 | 112 |
| | | Qelec (Daily electricity consumption) | | kWh | 4.835 | 6.944 |
| | | Reference hot water temperature | | °C | 44.4 | 44.6 |
| | | Stand-by power input | | W | 46 | 26.7 |
| | Warm climate | AEC (Annual electricity consumption) | | kWh | 716 | 1,186 |
| | | COPdhw | | | 3.38 | 3.45 |
| | | Mixed water at 40°C | | l | 138.1 | 227.9 |
| | | ηwh (water heating efficiency) | | % | 143 | 141 |
| | | Qelec (Daily electricity consumption) | | kWh | 3.447 | 5.531 |
| | | Reference hot water temperature | | °C | 44.4 | 44.6 |
| | | Stand-by power input | | W | 33.9 | 23.7 |
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 4,441 | |
| | | | ηs (Seasonal space heating efficiency) | % | 127 | |
| | | | Prated at -10°C | kW | 7 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 16 | |
| | | | SCOP | | 3.26 | |
| | | | Seasonal space heating eff. class | | A++ | |
| | | A Condition (-7°CD-B/-8°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 1.98 | |
| | | | Pdh | kW | 5.9 | |
| | | | PERd | % | 79.2 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 3.16 | |
| | | | Pdh | kW | 3.9 | |
| | | | PERd | % | 126.4 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 4.49 | |
| | | | Pdh | kW | 3 | |
| | | | PERd | % | 179.6 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 6.1 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 244 | |
| | | Tol (temperature operating limit) | COPd | | 1.53 | |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHSH08P30E + ERGA06EVH | EHSH08P50E + ERGA06EVH |
|---|---|---|---|---|---|---|
| Space heating | Average climate water outlet 55°C | Tol (temperature operating limit) | Pdh | kW | 5.4 | |
| | | | PERd | % | 61.2 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 55 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1.6 | |
| | | Tbiv (bivalent temperature) | COPd | | 2.12 | |
| | | | Pdh | kW | 6.1 | |
| | | | PERd | % | 84.8 | |
| | | | Tbiv | °C | -6 | |
| | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 5,300 | |
| | | | ηs (Seasonal space heating efficiency) | % | 109 | |
| | | | Prated at -22°C | kW | 6 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 19 | |
| | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 1,858 | |
| | | | ηs (Seasonal space heating efficiency) | % | 158 | |
| | | | Prated at 2°C | kW | 5.6 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 7 | |
| | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 3,233 | |
| | | | ηs (Seasonal space heating efficiency) | % | 176 | |
| | | | Prated at -10°C | kW | 7 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 12 | |
| | | | SCOP | | 4.47 | |
| | | | Seasonal space heating eff. class | | A+++ | |
| | | A Condition (-7°CD-B/-8°CWB) | COPd | | 2.86 | |
| | | | Pdh | kW | 6 | |
| | | | PERd | % | 114.4 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 4.25 | |
| | | | Pdh | kW | 3.9 | |
| | | | PERd | % | 170 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 6.3 | |
| | | | Pdh | kW | 3.2 | |
| | | | PERd | % | 252 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 7.78 | |
| | | | Pdh | kW | 3.3 | |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHSH08P30E + ERGA06EVH | EHSH08P50E + ERGA06EVH |
|---|---|---|---|---|---|---|
| Space heating | Average climate water outlet 35°C | D Condition (12°CD-B/11°CWB) | PERd | % | 311.2 | |
| | | Tol (temperature operating limit) | COPd | | 2.49 | |
| | | | Pdh | kW | 6 | |
| | | | PERd | % | 99.6 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 35 | |
| | | Tbiv (bivalent temperature) | COPd | | 3.07 | |
| | | | Pdh | kW | 6.1 | |
| | | | PERd | % | 122.8 | |
| | | | Tbiv | °C | -6 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1 | |
| | Cold climate water outlet 35°C | General | Annual energy consumption | kWh | 3,749 | |
| | | | ηs (Seasonal space heating efficiency) | % | 155 | |
| | | | Prated at -22°C | kW | 6 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 13 | |
| | Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,276 | |
| | | | ηs (Seasonal space heating efficiency) | % | 248 | |
| | | | Prated at 2°C | kW | 6 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 5 | |

(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 )

| Technical specifications | | | | | EHSHB08P30E + ERGA06EVH | EHSHB08P50E + ERGA06EVH |
|---|---|---|---|---|---|---|
| Indoor unit | | | | | EHSHB08P30EF | EHSHB08P50EF |
| Outdoor unit | | | | | ERGA06EAV3H | |
| Heating capacity | Nom. | | | kW | 6.00 (1) / 5.90 (2) | |
| Power input | Heating | Nom. | | kW | 1.24 (1) / 1.69 (2) | |
| COP | | | | | 4.85 (1) / 3.50 (2) | |
| Pump | Type | | | | Grundfos UPM4 K 20-75 CHBL FS2 | |
| Water side Heat exchanger | Water flow rate | Heating | Nom. | l/min | 17.2 (1) / 16.9 (2) | |
| General | Supplier/ Manufacturer details | Name and address | | | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium | |
| | | Name or trademark | | | Daikin Europe N.V. | |
| | Product description | Air-to-water heat pump | | | Yes | |
| | | Brine-to-water heat pump | | | No | |
| | | Heat pump combination heater | | | Yes | |
| | | Low-temperature heat pump | | | No | |
| | | Supplementary heater integrated | | | No | |
| | | Water-to-water heat pump | | | No | |
| | LW(A) Sound power level (according to EN14825) | dB(A) | | dBA | 39 | |
| LW(A) Sound power level (according to EN14825) | dB(A) | | | dBA | 60 | |
| Sound condition Ecodesign and energy label | | | | | Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825 | |
| Space heating general | Air to water unit | Rated airflow (outdoor) | | $m^3/h$ | 2,520 | |
| | Other | Capacity control | | | Inverter | |
| | | Pck (Crankcase heater mode) | | kW | 0 | |
| | | Poff (Off mode) | | kW | 0.01 | |
| | | Psb (Standby mode) | | kW | 0.01 | |
| | | Pto (Thermostat off) | | kW | 0.01 | |
| Domestic hot water heating | General | Declared load profile | | | L | XL |
| | | Function to fix water heating during off peak hours | | | No | |
| Space heating general | Integrated supplementary heater | Type of energy input | | | Electrical | |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHSHB08P30E + ERGA06EVH | EHSHB08P50E + ERGA06EVH |
|---|---|---|---|---|---|---|
| Domestic hot water heating | Average climate | AEC (Annual electricity consumption) | | kWh | 867 | 1,336 |
| | | COPdhw | | | 2.8 | 3.06 |
| | | Heat up time | | | 1h 34min | 2h 41min |
| | | Mixed water at 40°C | | l | 140.4 | 227.9 |
| | | ηwh (water heating efficiency) | | % | 118 | 125 |
| | | Qelec (Daily electricity consumption) | | kWh | 4.172 | 6.224 |
| | | Reference hot water temperature | | °C | 44.6 | |
| | | Stand-by power input | | W | 40.4 | 25.3 |
| | | Water heating energy efficiency class | | | A+ | |
| Domestic hot water heating | Cold climate | AEC (Annual electricity consumption) | | kWh | 1,006 | 1,493 |
| | | COPdhw | | | 2.41 | 2.75 |
| | | Mixed water at 40°C | | l | 140 | 227.9 |
| | | ηwh (water heating efficiency) | | % | 102 | 112 |
| | | Qelec (Daily electricity consumption) | | kWh | 4.835 | 6.944 |
| | | Reference hot water temperature | | °C | 44.4 | 44.6 |
| | | Stand-by power input | | W | 46 | 26.7 |
| | Warm climate | AEC (Annual electricity consumption) | | kWh | 716 | 1,186 |
| | | COPdhw | | | 3.38 | 3.45 |
| | | Mixed water at 40°C | | l | 138.1 | 227.9 |
| | | ηwh (water heating efficiency) | | % | 143 | 141 |
| | | Qelec (Daily electricity consumption) | | kWh | 3.447 | 5.531 |
| | | Reference hot water temperature | | °C | 44.4 | 44.6 |
| | | Stand-by power input | | W | 33.9 | 23.7 |
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 4,441 | |
| | | | ηs (Seasonal space heating efficiency) | % | 127 | |
| | | | Prated at -10°C | kW | 7 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 16 | |
| | | | SCOP | | 3.26 | |
| | | | Seasonal space heating eff. class | | A++ | |
| | | A Condition (-7°CD-B/-8°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 1.98 | |
| | | | Pdh | kW | 5.9 | |
| | | | PERd | % | 79.2 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 3.16 | |
| | | | Pdh | kW | 3.9 | |
| | | | PERd | % | 126.4 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 4.49 | |
| | | | Pdh | kW | 3 | |
| | | | PERd | % | 179.6 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 6.1 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 244 | |
| | | Tol (temperature operating limit) | COPd | | 1.53 | |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHSHB08P30E + ERGA06EVH | EHSHB08P50E + ERGA06EVH |
|---|---|---|---|---|---|---|
| Space heating | Average climate water outlet 55°C | Tol (temperature operating limit) | Pdh | kW | 5.4 | |
| | | | PERd | % | 61.2 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 55 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1.6 | |
| | | Tbiv (bivalent temperature) | COPd | | 2.12 | |
| | | | Pdh | kW | 6.1 | |
| | | | PERd | % | 84.8 | |
| | | | Tbiv | °C | -6 | |
| | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 5,300 | |
| | | | ηs (Seasonal space heating efficiency) | % | 109 | |
| | | | Prated at -22°C | kW | 6 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 19 | |
| | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 1,858 | |
| | | | ηs (Seasonal space heating efficiency) | % | 158 | |
| | | | Prated at 2°C | kW | 5.6 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 7 | |
| | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 3,233 | |
| | | | ηs (Seasonal space heating efficiency) | % | 176 | |
| | | | Prated at -10°C | kW | 7 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 12 | |
| | | | SCOP | | 4.47 | |
| | | | Seasonal space heating eff. class | | A+++ | |
| | | A Condition (-7°CD-B/-8°CWB) | COPd | | 2.86 | |
| | | | Pdh | kW | 6 | |
| | | | PERd | % | 114.4 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 4.25 | |
| | | | Pdh | kW | 3.9 | |
| | | | PERd | % | 170 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 6.3 | |
| | | | Pdh | kW | 3.2 | |
| | | | PERd | % | 252 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 7.78 | |
| | | | Pdh | kW | 3.3 | |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHSHB08P30E + ERGA06EVH | EHSHB08P50E + ERGA06EVH |
|---|---|---|---|---|---|---|
| Space heating | Average climate water outlet 35°C | D Condition (12°CD-B/11°CWB) | PERd | % | 311.2 | |
| | | Tol (temperature operating limit) | COPd | | 2.49 | |
| | | | Pdh | kW | 6 | |
| | | | PERd | % | 99.6 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 35 | |
| | | Tbiv (bivalent temperature) | COPd | | 3.07 | |
| | | | Pdh | kW | 6.1 | |
| | | | PERd | % | 122.8 | |
| | | | Tbiv | °C | -6 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1 | |
| | Cold climate water outlet 35°C | General | Annual energy consumption | kWh | 3,749 | |
| | | | ηs (Seasonal space heating efficiency) | % | 155 | |
| | | | Prated at -22°C | kW | 6 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 13 | |
| | Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,276 | |
| | | | ηs (Seasonal space heating efficiency) | % | 248 | |
| | | | Prated at 2°C | kW | 6 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 5 | |

(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 )

| Technical specifications | | | | | EHSX08P30E + ERGA06EVH | EHSX08P50E + ERGA06EVH |
|---|---|---|---|---|---|---|
| Indoor unit | | | | | EHSX08P30EF | EHSX08P50EF |
| Outdoor unit | | | | | ERGA06EAV3H | |
| Heating capacity | Nom. | | | kW | 6.00 (1) / 5.90 (2) | |
| Cooling capacity | Nom. | | | kW | 5.96 (1) / 5.09 (2) | |
| Power input | Heating | Nom. | | kW | 1.24 (1) / 1.69 (2) | |
| | Cooling | Nom. | | kW | 1.06 (1) / 1.55 (2) | |
| COP | | | | | 4.85 (1) / 3.50 (2) | |
| EER | | | | | 5.61 (1) / 3.28 (2) | |
| Pump | Type | | | | Grundfos UPM4 K 20-75 CHBL FS2 | |
| Water side Heat exchanger | Water flow rate | Cooling | Nom. | l/min | 17.1 (1) / 14.6 (2) | |
| | | Heating | Nom. | l/min | 17.2 (1) / 16.9 (2) | |
| General | Supplier/ Manufacturer details | Name and address | | | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium | |
| | | Name or trademark | | | Daikin Europe N.V. | |
| | Product description | Air-to-water heat pump | | | Yes | |
| | | Brine-to-water heat pump | | | No | |
| | | Heat pump combination heater | | | Yes | |
| | | Low-temperature heat pump | | | No | |
| | | Supplementary heater integrated | | | No | |
| | | Water-to-water heat pump | | | No | |
| | LW(A) Sound power level (according to EN14825) | dB(A) | | dBA | 39 | |
| LW(A) Sound power level (according to EN14825) | dB(A) | | | dBA | 60 | |
| Sound condition Ecodesign and energy label | | | | | Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825 | |
| Space heating general | Air to water unit | Rated airflow (outdoor) | | $m^3/h$ | 2,520 | |
| | Other | Capacity control | | | Inverter | |
| | | Pck (Crankcase heater mode) | | kW | 0 | |
| | | Poff (Off mode) | | kW | 0.01 | |
| | | Psb (Standby mode) | | kW | 0.01 | |
| | | Pto (Thermostat off) | | kW | 0.01 | |
| Domestic hot water heating | General | Declared load profile | | | L | XL |
| | | Function to fix water heating during off peak hours | | | No | |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHSX08P30E + ERGA06EVH | EHSX08P50E + ERGA06EVH |
|---|---|---|---|---|---|---|
| Space heating general | Integrated supplementary heater | Type of energy input | | | Electrical | |
| Domestic hot water heating | Average climate | AEC (Annual electricity consumption) | | kWh | 867 | 1,336 |
| | | COPdhw | | | 2.8 | 3.06 |
| | | Heat up time | | | 1h 34min | 2h 41min |
| | | Mixed water at 40°C | | l | 140.4 | 227.9 |
| | | ηwh (water heating efficiency) | | % | 118 | 125 |
| Domestic hot water heating | Average climate | Qelec (Daily electricity consumption) | | kWh | 4.172 | 6.224 |
| | | Reference hot water temperature | | °C | 44.6 | |
| | | Stand-by power input | | W | 40.4 | 25.3 |
| | | Water heating energy efficiency class | | | A+ | |
| | Cold climate | AEC (Annual electricity consumption) | | kWh | 1,006 | 1,493 |
| | | COPdhw | | | 2.41 | 2.75 |
| | | Mixed water at 40°C | | l | 140 | 227.9 |
| | | ηwh (water heating efficiency) | | % | 102 | 112 |
| | | Qelec (Daily electricity consumption) | | kWh | 4.835 | 6.944 |
| | | Reference hot water temperature | | °C | 44.4 | 44.6 |
| | | Stand-by power input | | W | 46 | 26.7 |
| | Warm climate | AEC (Annual electricity consumption) | | kWh | 716 | 1,186 |
| | | COPdhw | | | 3.38 | 3.45 |
| | | Mixed water at 40°C | | l | 138.1 | 227.9 |
| | | ηwh (water heating efficiency) | | % | 143 | 141 |
| | | Qelec (Daily electricity consumption) | | kWh | 3.447 | 5.531 |
| | | Reference hot water temperature | | °C | 44.4 | 44.6 |
| | | Stand-by power input | | W | 33.9 | 23.7 |
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 4,405 | |
| | | | ηs (Seasonal space heating efficiency) | % | 128 | |
| | | | Prated at -10°C | kW | 7 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 16 | |
| | | | SCOP | | 3.28 | |
| | | | Seasonal space heating eff. class | | A++ | |
| | | A Condition (-7°CD-B/-8°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 1.98 | |
| | | | Pdh | kW | 5.9 | |
| | | | PERd | % | 79.2 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 3.16 | |
| | | | Pdh | kW | 3.9 | |
| | | | PERd | % | 126.4 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 4.49 | |
| | | | Pdh | kW | 3 | |
| | | | PERd | % | 179.6 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1 | |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHSX08P30E + ERGA06EVH | EHSX08P50E + ERGA06EVH |
|---|---|---|---|---|---|---|
| Space heating | Average climate water outlet 55°C | D Condition (12°CD-B/11°CWB) | COPd | | 6.1 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 244 | |
| | | Tol (temperature operating limit) | COPd | | 1.53 | |
| | | | Pdh | kW | 5.4 | |
| | | | PERd | % | 61.2 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 55 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1.6 | |
| | | Tbiv (bivalent temperature) | COPd | | 2.12 | |
| | | | Pdh | kW | 6.1 | |
| | | | PERd | % | 84.8 | |
| | | | Tbiv | °C | -6 | |
| | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 5,278 | |
| | | | ηs (Seasonal space heating efficiency) | % | 109 | |
| | | | Prated at -22°C | kW | 6 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 19 | |
| | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 1,813 | |
| | | | ηs (Seasonal space heating efficiency) | % | 162 | |
| | | | Prated at 2°C | kW | 5.6 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 7 | |
| | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 3,196 | |
| | | | ηs (Seasonal space heating efficiency) | % | 178 | |
| | | | Prated at -10°C | kW | 7 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 12 | |
| | | | SCOP | | 4.52 | |
| | | | Seasonal space heating eff. class | | A+++ | |
| | | A Condition (-7°CD-B/-8°CWB) | COPd | | 2.86 | |
| | | | Pdh | kW | 6 | |
| | | | PERd | % | 114.4 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 4.25 | |
| | | | Pdh | kW | 3.9 | |
| | | | PERd | % | 170 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 6.3 | |
| | | | Pdh | kW | 3.2 | |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHSX08P30E + ERGA06EVH | EHSX08P50E + ERGA06EVH |
|---|---|---|---|---|---|---|
| Space heating | Average climate water outlet 35°C | C Condition (7°CD-B/6°CWB) | PERd | % | 252 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 7.78 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 311.2 | |
| | | Tol (temperature operating limit) | COPd | | 2.49 | |
| | | | Pdh | kW | 6 | |
| | | | PERd | % | 99.6 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 35 | |
| | | Tbiv (bivalent temperature) | COPd | | 3.07 | |
| | | | Pdh | kW | 6.1 | |
| | | | PERd | % | 122.8 | |
| | | | Tbiv | °C | -6 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1 | |
| | Cold climate water outlet 35°C | General | Annual energy consumption | kWh | 3,727 | |
| | | | ηs (Seasonal space heating efficiency) | % | 156 | |
| | | | Prated at -22°C | kW | 6 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 13 | |
| | Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,232 | |
| | | | ηs (Seasonal space heating efficiency) | % | 257 | |
| | | | Prated at 2°C | kW | 6 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 4 | |

(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 )

| Technical specifications | | | | | EHSXB08P30E + ERGA06EVH | EHSXB08P50E + ERGA06EVH |
|---|---|---|---|---|---|---|
| Indoor unit | | | | | EHSXB08P30EF | EHSXB08P50EF |
| Outdoor unit | | | | | ERGA06EAV3H | |
| Heating capacity | Nom. | | | kW | 6.00 (1) / 5.90 (2) | |
| Cooling capacity | Nom. | | | kW | 5.96 (1) / 5.09 (2) | |
| Power input | Heating | Nom. | | kW | 1.24 (1) / 1.69 (2) | |
| | Cooling | Nom. | | kW | 1.06 (1) / 1.55 (2) | |
| COP | | | | | 4.85 (1) / 3.50 (2) | |
| EER | | | | | 5.61 (1) / 3.28 (2) | |
| Pump | Type | | | | Grundfos UPM4 K 20-75 CHBL FS2 | |
| Water side Heat exchanger | Water flow rate | Cooling | Nom. | l/min | 17.1 (1) / 14.6 (2) | |
| | | Heating | Nom. | l/min | 17.2 (1) / 16.9 (2) | |
| General | Supplier/ Manufacturer details | Name and address | | | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium | |
| | | Name or trademark | | | Daikin Europe N.V. | |
| | Product description | Air-to-water heat pump | | | Yes | |
| | | Brine-to-water heat pump | | | No | |
| | | Heat pump combination heater | | | Yes | |
| | | Low-temperature heat pump | | | No | |
| | | Supplementary heater integrated | | | No | |
| | | Water-to-water heat pump | | | No | |
| | LW(A) Sound power level (according to EN14825) | dB(A) | | dBA | 39 | |
| LW(A) Sound power level (according to EN14825) | dB(A) | | | dBA | 60 | |
| Sound condition Ecodesign and energy label | | | | | Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825 | |
| Space heating general | Air to water unit | Rated airflow (outdoor) | | $m^3/h$ | 2,520 | |
| | Other | Capacity control | | | Inverter | |
| | | Pck (Crankcase heater mode) | | kW | 0 | |
| | | Poff (Off mode) | | kW | 0.01 | |
| | | Psb (Standby mode) | | kW | 0.01 | |
| | | Pto (Thermostat off) | | kW | 0.01 | |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHSXB08P30E + ERGA06EVH | EHSXB08P50E + ERGA06EVH |
|---|---|---|---|---|---|---|
| Domestic hot water heating | General | Declared load profile | | | L | XL |
| | | Function to fix water heating during off peak hours | | | No | |
| Space heating general | Integrated supplementary heater | Type of energy input | | | Electrical | |
| Domestic hot water heating | Average climate | AEC (Annual electricity consumption) | | kWh | 867 | 1,336 |
| | | COPdhw | | | 2.8 | 3.06 |
| | | Heat up time | | | 1h 34min | 2h 41min |
| | | Mixed water at 40°C | | l | 140.4 | 227.9 |
| | | ηwh (water heating efficiency) | | % | 118 | 125 |
| Domestic hot water heating | Average climate | Qelec (Daily electricity consumption) | | kWh | 4.172 | 6.224 |
| | | Reference hot water temperature | | °C | 44.6 | |
| | | Stand-by power input | | W | 40.4 | 25.3 |
| | | Water heating energy efficiency class | | | A+ | |
| | Cold climate | AEC (Annual electricity consumption) | | kWh | 1,006 | 1,493 |
| | | COPdhw | | | 2.41 | 2.75 |
| | | Mixed water at 40°C | | l | 140 | 227.9 |
| | | ηwh (water heating efficiency) | | % | 102 | 112 |
| | | Qelec (Daily electricity consumption) | | kWh | 4.835 | 6.944 |
| | | Reference hot water temperature | | °C | 44.4 | 44.6 |
| | | Stand-by power input | | W | 46 | 26.7 |
| | Warm climate | AEC (Annual electricity consumption) | | kWh | 716 | 1,186 |
| | | COPdhw | | | 3.38 | 3.45 |
| | | Mixed water at 40°C | | l | 138.1 | 227.9 |
| | | ηwh (water heating efficiency) | | % | 143 | 141 |
| | | Qelec (Daily electricity consumption) | | kWh | 3.447 | 5.531 |
| | | Reference hot water temperature | | °C | 44.4 | 44.6 |
| | | Stand-by power input | | W | 33.9 | 23.7 |
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 4,405 | |
| | | | ηs (Seasonal space heating efficiency) | % | 128 | |
| | | | Prated at -10°C | kW | 7 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 16 | |
| | | | SCOP | | 3.28 | |
| | | | Seasonal space heating eff. class | | A++ | |
| | | A Condition (-7°CD-B/-8°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 1.98 | |
| | | | Pdh | kW | 5.9 | |
| | | | PERd | % | 79.2 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 3.16 | |
| | | | Pdh | kW | 3.9 | |
| | | | PERd | % | 126.4 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 4.49 | |
| | | | Pdh | kW | 3 | |
| | | | PERd | % | 179.6 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1 | |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHSXB08P30E + ERGA06EVH | EHSXB08P50E + ERGA06EVH |
|---|---|---|---|---|---|---|
| Space heating | Average climate water outlet 55°C | D Condition (12°CD-B/11°CWB) | COPd | | 6.1 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 244 | |
| | | Tol (temperature operating limit) | COPd | | 1.53 | |
| | | | Pdh | kW | 5.4 | |
| | | | PERd | % | 61.2 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 55 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1.6 | |
| | | Tbiv (bivalent temperature) | COPd | | 2.12 | |
| | | | Pdh | kW | 6.1 | |
| | | | PERd | % | 84.8 | |
| | | | Tbiv | °C | -6 | |
| | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 5,278 | |
| | | | ηs (Seasonal space heating efficiency) | % | 109 | |
| | | | Prated at -22°C | kW | 6 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 19 | |
| | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 1,813 | |
| | | | ηs (Seasonal space heating efficiency) | % | 162 | |
| | | | Prated at 2°C | kW | 5.6 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 7 | |
| | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 3,196 | |
| | | | ηs (Seasonal space heating efficiency) | % | 178 | |
| | | | Prated at -10°C | kW | 7 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 12 | |
| | | | SCOP | | 4.52 | |
| | | | Seasonal space heating eff. class | | A+++ | |
| | | A Condition (-7°CD-B/-8°CWB) | COPd | | 2.86 | |
| | | | Pdh | kW | 6 | |
| | | | PERd | % | 114.4 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 4.25 | |
| | | | Pdh | kW | 3.9 | |
| | | | PERd | % | 170 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 6.3 | |
| | | | Pdh | kW | 3.2 | |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHSXB08P30E + ERGA06EVH | EHSXB08P50E + ERGA06EVH |
|---|---|---|---|---|---|---|
| Space heating | Average climate water outlet 35°C | C Condition (7°CD-B/6°CWB) | PERd | % | 252 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 7.78 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 311.2 | |
| | | Tol (temperature operating limit) | COPd | | 2.49 | |
| | | | Pdh | kW | 6 | |
| | | | PERd | % | 99.6 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 35 | |
| | | Tbiv (bivalent temperature) | COPd | | 3.07 | |
| | | | Pdh | kW | 6.1 | |
| | | | PERd | % | 122.8 | |
| | | | Tbiv | °C | -6 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1 | |
| | Cold climate water outlet 35°C | General | Annual energy consumption | kWh | 3,727 | |
| | | | ηs (Seasonal space heating efficiency) | % | 156 | |
| | | | Prated at -22°C | kW | 6 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 13 | |
| | Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,232 | |
| | | | ηs (Seasonal space heating efficiency) | % | 257 | |
| | | | Prated at 2°C | kW | 6 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 4 | |

(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 )

| Technical specifications | | | | | EHVH08S18E6V + ERGA06EVH | EHVH08S23E6V + ERGA06EVH |
|---|---|---|---|---|---|---|
| Heating capacity | Nom. | | | kW | 6.0 (1) / 5.9 (2) | |
| Power input | Heating | Nom. | | kW | 1.24 (1) / 1.69 (2) | |
| | Domestic hot water from 10°C to 50°C | Nom. | | kWh | 2.48 | 3.01 |
| Heat up time from 10°C to 50°C | | | | hr | 1h28min | 1h40min |
| COP | | | | | 4.85 (1) / 3.5 (2) | |
| Pump | Nominal ESP unit | Heating | | kPa | 52.4 (1) / 52.9 (2) | |
| Water side Heat exchanger | Water flow rate | Heating | Nom. | l/min | 17.2 (1) / 16.9 (2) | |
| General | Supplier/ Manufacturer details | Name and address | | | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium | |
| | | Name or trademark | | | Daikin Europe N.V. | |
| | Product description | Air-to-water heat pump | | | Yes | |
| | | Brine-to-water heat pump | | | No | |
| | | Heat pump combination heater | | | Yes | |
| | | Low-temperature heat pump | | | No | |
| | | Supplementary heater integrated | | | Yes | |
| | | Water-to-water heat pump | | | No | |
| | LW(A) Sound power level (according to EN14825) | dB(A) | | dBA | 42 | |
| LW(A) Sound power level (according to EN14825) | dB(A) | | | dBA | 60 | |
| Sound condition Ecodesign and energy label | | | | | Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825 | |
| Space heating general | Air to water unit | Rated airflow (outdoor) | | $m^3/h$ | 2,520.0 | |
| | Other | Capacity control | | | Inverter | |
| | | Pck (Crankcase heater mode) | | kW | 0.0 | |
| | | Poff (Off mode) | | kW | 0.01 | |
| | | Psb (Standby mode) | | kW | 0.01 | |
| | | Pto (Thermostat off) | | kW | 0.01 | |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHVH08S18E6V + ERGA06EVH | EHVH08S23E6V + ERGA06EVH |
|---|---|---|---|---|---|---|
| Domestic hot water heating | General | Declared load profile | | | L | XL |
| | | Function to fix water heating during off peak hours | | | No | |
| Space heating general | Integrated supplementary heater | Psup | | kW | 6.0 | |
| | | Type of energy input | | | Electrical | |
| Domestic hot water heating | Average climate | AEC (Annual electricity consumption) | | kWh | 820 | 1,267 |
| | | ηwh (water heating efficiency) | | % | 125 | 133 |
| | | Qelec (Daily electricity consumption) | | kWh | 3.87 | 5.9 |
| | | Water heating energy efficiency class | | | A+ | |
| | Cold climate | AEC (Annual electricity consumption) | | kWh | 951 | 1,475 |
| | | ηwh (water heating efficiency) | | % | 107 | 114 |
| | | Qelec (Daily electricity consumption) | | kWh | 4.48 | 6.86 |
| | Warm climate | AEC (Annual electricity consumption) | | kWh | 680 | 1,046 |
| Domestic hot water heating | Warm climate | ηwh (water heating efficiency) | | % | 151 | 161 |
| | | Qelec (Daily electricity consumption) | | kWh | 3.22 | 4.88 |
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 4,441 | |
| | | | ηs (Seasonal space heating efficiency) | % | 127 | |
| | | | Prated at -10°C | kW | 7.0 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 16.0 | |
| | | | SCOP | | 3.26 | |
| | | | Seasonal space heating eff. class | | A++ | |
| | | A Condition (-7°CD-B/-8°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 1.98 | |
| | | | Pdh | kW | 5.9 | |
| | | | PERd | % | 79 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 3.16 | |
| | | | Pdh | kW | 3.9 | |
| | | | PERd | % | 126 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 4.49 | |
| | | | Pdh | kW | 3.0 | |
| | | | PERd | % | 180 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 6.1 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 244 | |
| | | Tol (temperature operating limit) | COPd | | 1.53 | |
| | | | Pdh | kW | 5.4 | |
| | | | PERd | % | 61 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 55 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1.6 | |
| | | Tbiv (bivalent temperature) | COPd | | 2.12 | |
| | | | Pdh | kW | 6.1 | |
| | | | PERd | % | 85 | |
| | | | Tbiv | °C | -6 | |
| | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 5,300 | |
| | | | ηs (Seasonal space heating efficiency) | % | 109 | |
| | | | Prated at -22°C | kW | 6.0 | |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHVH08S18E6V + ERGA06EVH | EHVH08S23E6V + ERGA06EVH |
|---|---|---|---|---|---|---|
| Space heating | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 1,858 | |
| | | | ηs (Seasonal space heating efficiency) | % | 158 | |
| | | | Prated at 2°C | kW | 5.6 | |
| | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 3,233 | |
| | | | ηs (Seasonal space heating efficiency) | % | 176 | |
| | | | Prated at -10°C | kW | 7.0 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 11.6 | |
| | | | SCOP | | 4.47 | |
| | | | Seasonal space heating eff. class | | A+++ | |
| | | A Condition (-7°CD-B/-8°CWB) | COPd | | 2.86 | |
| | | | Pdh | kW | 6.0 | |
| | | | PERd | % | 114 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 4.25 | |
| | | | Pdh | kW | 3.9 | |
| | | | PERd | % | 170 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 6.3 | |
| | | | Pdh | kW | 3.2 | |
| | | | PERd | % | 252 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 7.78 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 311 | |
| | | Tol (temperature operating limit) | COPd | | 2.49 | |
| | | | Pdh | kW | 6.0 | |
| | | | PERd | % | 100 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 35 | |
| | | Tbiv (bivalent temperature) | COPd | | 3.07 | |
| | | | Pdh | kW | 6.1 | |
| | | | PERd | % | 123 | |
| | | | Tbiv | °C | -6 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1.0 | |
| | Cold climate water outlet 35°C | General | Annual energy consumption | kWh | 3,749 | |
| | | | ηs (Seasonal space heating efficiency) | % | 155 | |
| | | | Prated at -22°C | kW | 6.0 | |
| Space heating | Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,276 | |
| | | | ηs (Seasonal space heating efficiency) | % | 248 | |
| | | | Prated at 2°C | kW | 6.0 | |

(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 )

| Technical specifications | | | | | EHVH08S18E9W + ERGA06EVH | EHVH08S23E9W + ERGA06EVH |
|---|---|---|---|---|---|---|
| Heating capacity | Nom. | | | kW | 6.0 (1) / 5.9 (2) | |
| Power input | Heating | Nom. | | kW | 1.24 (1) / 1.69 (2) | |
| | Domestic hot water from 10°C to 50°C | Nom. | | kWh | 2.48 | 3.01 |
| Heat up time from 10°C to 50°C | | | | hr | 1h28min | 1h40min |
| COP | | | | | 4.85 (1) / 3.5 (2) | |
| Pump | Nominal ESP unit | Heating | | kPa | 52.4 (1) / 52.9 (2) | |
| Water side Heat exchanger | Water flow rate | Heating | Nom. | l/min | 17.2 (1) / 16.9 (2) | |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | EHVH08S18E9W + ERGA06EVH | EHVH08S23E9W + ERGA06EVH |
|---|---|---|---|---|---|
| General | Supplier/ Manufacturer details | Name and address | | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium | |
| | | Name or trademark | | Daikin Europe N.V. | |
| | Product description | Air-to-water heat pump | | Yes | |
| | | Brine-to-water heat pump | | No | |
| | | Heat pump combination heater | | Yes | |
| | | Low-temperature heat pump | | No | |
| | | Supplementary heater integrated | | Yes | |
| | | Water-to-water heat pump | | No | |
| | LW(A) Sound power level (according to EN14825) | dB(A) | dBA | 42 | |
| LW(A) Sound power level (according to EN14825) | dB(A) | | dBA | 60 | |
| Sound condition Ecodesign and energy label | | | | Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825 | |
| Space heating general | Air to water unit | Rated airflow (outdoor) | $m^3/h$ | 2,520.0 | |
| | Other | Capacity control | | Inverter | |
| | | Pck (Crankcase heater mode) | kW | 0.0 | |
| | | Poff (Off mode) | kW | 0.01 | |
| | | Psb (Standby mode) | kW | 0.01 | |
| | | Pto (Thermostat off) | kW | 0.01 | |
| Domestic hot water heating | General | Declared load profile | | L | XL |
| | | Function to fix water heating during off peak hours | | No | |
| Space heating general | Integrated supplementary heater | Psup | kW | 9.0 | |
| | | Type of energy input | | Electrical | |
| Domestic hot water heating | Average climate | AEC (Annual electricity consumption) | kWh | 820 | 1,267 |
| | | ηwh (water heating efficiency) | % | 125 | 133 |
| | | Qelec (Daily electricity consumption) | kWh | 3.87 | 5.9 |
| | | Water heating energy efficiency class | | A+ | |
| | Cold climate | AEC (Annual electricity consumption) | kWh | 951 | 1,475 |
| | | ηwh (water heating efficiency) | % | 107 | 114 |
| | | Qelec (Daily electricity consumption) | kWh | 4.48 | 6.86 |
| | Warm climate | AEC (Annual electricity consumption) | kWh | 680 | 1,046 |
| Domestic hot water heating | Warm climate | ηwh (water heating efficiency) | % | 151 | 161 |
| | | Qelec (Daily electricity consumption) | kWh | 3.22 | 4.88 |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHVH08S18E9W + ERGA06EVH | EHVH08S23E9W + ERGA06EVH |
|---|---|---|---|---|---|---|
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 4,441 | |
| | | | ηs (Seasonal space heating efficiency) | % | 127 | |
| | | | Prated at -10°C | kW | 7.0 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 16.0 | |
| | | | SCOP | | 3.26 | |
| | | | Seasonal space heating eff. class | | A++ | |
| | | A Condition (-7°CD-B/-8°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 1.98 | |
| | | | Pdh | kW | 5.9 | |
| | | | PERd | % | 79 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 3.16 | |
| | | | Pdh | kW | 3.9 | |
| | | | PERd | % | 126 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 4.49 | |
| | | | Pdh | kW | 3.0 | |
| | | | PERd | % | 180 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 6.1 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 244 | |
| | | Tol (temperature operating limit) | COPd | | 1.53 | |
| | | | Pdh | kW | 5.4 | |
| | | | PERd | % | 61 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 55 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1.6 | |
| | | Tbiv (bivalent temperature) | COPd | | 2.12 | |
| | | | Pdh | kW | 6.1 | |
| | | | PERd | % | 85 | |
| | | | Tbiv | °C | -6 | |
| | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 5,300 | |
| | | | ηs (Seasonal space heating efficiency) | % | 109 | |
| | | | Prated at -22°C | kW | 6.0 | |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHVH08S18E9W + ERGA06EVH | EHVH08S23E9W + ERGA06EVH |
|---|---|---|---|---|---|---|
| Space heating | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 1,858 | |
| | | | ηs (Seasonal space heating efficiency) | % | 158 | |
| | | | Prated at 2°C | kW | 5.6 | |
| | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 3,233 | |
| | | | ηs (Seasonal space heating efficiency) | % | 176 | |
| | | | Prated at -10°C | kW | 7.0 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 11.6 | |
| | | | SCOP | | 4.47 | |
| | | | Seasonal space heating eff. class | | A+++ | |
| | | A Condition (-7°CD-B/-8°CWB) | COPd | | 2.86 | |
| | | | Pdh | kW | 6.0 | |
| | | | PERd | % | 114 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 4.25 | |
| | | | Pdh | kW | 3.9 | |
| | | | PERd | % | 170 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 6.3 | |
| | | | Pdh | kW | 3.2 | |
| | | | PERd | % | 252 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 7.78 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 311 | |
| | | Tol (temperature operating limit) | COPd | | 2.49 | |
| | | | Pdh | kW | 6.0 | |
| | | | PERd | % | 100 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 35 | |
| | | Tbiv (bivalent temperature) | COPd | | 3.07 | |
| | | | Pdh | kW | 6.1 | |
| | | | PERd | % | 123 | |
| | | | Tbiv | °C | -6 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1.0 | |
| | Cold climate water outlet 35°C | General | Annual energy consumption | kWh | 3,749 | |
| | | | ηs (Seasonal space heating efficiency) | % | 155 | |
| | | | Prated at -22°C | kW | 6.0 | |
| Space heating | Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,276 | |
| | | | ηs (Seasonal space heating efficiency) | % | 248 | |
| | | | Prated at 2°C | kW | 6.0 | |

(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 )

| Technical specifications | | | | | EHVX08S18E6V + ERGA06EVH | EHVX08S23E6V + ERGA06EVH |
|---|---|---|---|---|---|---|
| Heating capacity | Nom. | | | kW | 6.0 (1) / 5.9 (2) | |
| Cooling capacity | Nom. | | | kW | 5.96 (1) / 5.09 (2) | |
| Power input | Heating | Nom. | | kW | 1.24 (1) / 1.69 (2) | |
| | Cooling | Nom. | | kW | 1.06 (1) / 1.55 (2) | |
| | Domestic hot water from 10°C to 50°C | Nom. | | kWh | 2.48 | 3.01 |
| Heat up time from 10°C to 50°C | | | | hr | 1h28min | 1h40min |
| COP | | | | | 4.85 (1) / 3.5 (2) | |
| EER | | | | | 5.61 (1) / 3.28 (2) | |
| Pump | Nominal ESP unit | Cooling | | kPa | 52.6 (1) / 56.7 (2) | |
| | | Heating | | kPa | 52.4 (1) / 52.9 (2) | |
| Water side Heat exchanger | Water flow rate | Cooling | Nom. | l/min | 17.1 (1) / 14.6 (2) | |
| | | Heating | Nom. | l/min | 17.2 (1) / 16.9 (2) | |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | EHVX08S18E6V + ERGA06EVH | EHVX08S23E6V + ERGA06EVH |
|---|---|---|---|---|---|
| General | Supplier/ Manufacturer details | Name and address | | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium | |
| | | Name or trademark | | Daikin Europe N.V. | |
| | Product description | Air-to-water heat pump | | Yes | |
| | | Brine-to-water heat pump | | No | |
| | | Heat pump combination heater | | Yes | |
| | | Low-temperature heat pump | | No | |
| | | Supplementary heater integrated | | Yes | |
| | | Water-to-water heat pump | | No | |
| | LW(A) Sound power level (according to EN14825) | dB(A) | dBA | 42 | |
| LW(A) Sound power level (according to EN14825) | dB(A) | | dBA | 60 | |
| Sound condition Ecodesign and energy label | | | | Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825 | |
| Space heating general | Air to water unit | Rated airflow (outdoor) | $m^3/h$ | 2,520.0 | |
| | Other | Capacity control | | Inverter | |
| | | Pck (Crankcase heater mode) | kW | 0.0 | |
| | | Poff (Off mode) | kW | 0.01 | |
| | | Psb (Standby mode) | kW | 0.01 | |
| | | Pto (Thermostat off) | kW | 0.01 | |
| Domestic hot water heating | General | Declared load profile | | L | XL |
| | | Function to fix water heating during off peak hours | | No | |
| Space heating general | Integrated supplementary heater | Psup | kW | 6.0 | |
| | | Type of energy input | | Electrical | |
| Domestic hot water heating | Average climate | AEC (Annual electricity consumption) | kWh | 820 | 1,267 |
| | | ηwh (water heating efficiency) | % | 125 | 133 |
| | | Qelec (Daily electricity consumption) | kWh | 3.87 | 5.9 |
| Domestic hot water heating | Average climate | Water heating energy efficiency class | | A+ | |
| | Cold climate | AEC (Annual electricity consumption) | kWh | 951 | 1,475 |
| | | ηwh (water heating efficiency) | % | 107 | 114 |
| | | Qelec (Daily electricity consumption) | kWh | 4.48 | 6.86 |
| | Warm climate | AEC (Annual electricity consumption) | kWh | 680 | 1,046 |
| | | ηwh (water heating efficiency) | % | 151 | 161 |
| | | Qelec (Daily electricity consumption) | kWh | 3.22 | 4.88 |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHVX08S18E6V + ERGA06EVH | EHVX08S23E6V + ERGA06EVH |
|---|---|---|---|---|---|---|
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 4,419 | 4,405 |
| | | | ηs (Seasonal space heating efficiency) | % | 128 | |
| | | | Prated at -10°C | kW | 7.0 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 15.9 | |
| | | | SCOP | | 3.27 | 3.28 |
| | | | Seasonal space heating eff. class | | A++ | |
| | | A Condition (-7°CD-B/-8°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 1.98 | |
| | | | Pdh | kW | 5.9 | |
| | | | PERd | % | 79 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 3.16 | |
| | | | Pdh | kW | 3.9 | |
| | | | PERd | % | 126 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 4.49 | |
| | | | Pdh | kW | 3.0 | |
| | | | PERd | % | 180 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 6.1 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 244 | |
| | | Tol (temperature operating limit) | COPd | | 1.43 | 1.53 |
| | | | Pdh | kW | 4.5 | 5.4 |
| | | | PERd | % | 57 | 61 |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 55 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 2.5 | 1.6 |
| | | Tbiv (bivalent | COPd | | 2.12 | |
| | | | Pdh | kW | 6.1 | |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHVX08S18E6V + ERGA06EVH | EHVX08S23E6V + ERGA06EVH |
|---|---|---|---|---|---|---|
| Space heating | Average climate water outlet 55°C | Tbiv (bivalent temperature) | PERd | % | 85 | |
| | | | Tbiv | °C | -6 | |
| | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 5,303 | 5,278 |
| | | | ηs (Seasonal space heating efficiency) | % | 109 | |
| | | | Prated at -22°C | kW | 6.0 | |
| | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 1,813 | |
| | | | ηs (Seasonal space heating efficiency) | % | 162 | |
| | | | Prated at 2°C | kW | 5.6 | |
| | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 3,196 | |
| | | | ηs (Seasonal space heating efficiency) | % | 178 | |
| | | | Prated at -10°C | kW | 7.0 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 11.5 | |
| | | | SCOP | | 4.52 | |
| | | | Seasonal space heating eff. class | | A+++ | |
| | | A Condition (-7°CD-B/-8°CWB) | COPd | | 2.86 | |
| | | | Pdh | kW | 6.0 | |
| | | | PERd | % | 114 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 4.25 | |
| | | | Pdh | kW | 3.9 | |
| | | | PERd | % | 170 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 6.3 | |
| | | | Pdh | kW | 3.2 | |
| | | | PERd | % | 252 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 7.78 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 311 | |
| | | Tol (temperature operating limit) | COPd | | 2.49 | |
| | | | Pdh | kW | 6.0 | |
| | | | PERd | % | 100 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 35 | |
| | | Tbiv (bivalent tempera- | COPd | | 3.07 | |
| | | | Pdh | kW | 6.1 | |
| | | | PERd | % | 123 | |
| Space heating | Average climate water outlet 35°C | Tbiv (bivalent temperature) | Tbiv | °C | -6 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1.0 | |
| | Cold climate water outlet 35°C | General | Annual energy consumption | kWh | 3,727 | |
| | | | ηs (Seasonal space heating efficiency) | % | 156 | |
| | | | Prated at -22°C | kW | 6.0 | |
| | Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,231 | 1,232 |
| | | | ηs (Seasonal space heating efficiency) | % | 257 | |
| | | | Prated at 2°C | kW | 6.0 | |

(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 )

| Technical specifications | | | EHVX08S18E9W + ERGA06EVH | EHVX08S23E9W + ERGA06EVH |
|---|---|---|---|---|
| Heating capacity | Nom. | kW | 6.0 (1) / 5.9 (2) | |
| Cooling capacity | Nom. | kW | 5.96 (1) / 5.09 (2) | |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHVX08S18E9W + ERGA06EVH | EHVX08S23E9W + ERGA06EVH |
|---|---|---|---|---|---|---|
| Power input | Heating | Nom. | | kW | 1.24 (1) / 1.69 (2) | |
| | Cooling | Nom. | | kW | 1.06 (1) / 1.55 (2) | |
| | Domestic hot water from 10°C to 50°C | Nom. | | kWh | 2.48 | 3.01 |
| Heat up time from 10°C to 50°C | | | | hr | 1h28min | 1h40min |
| COP | | | | | 4.85 (1) / 3.5 (2) | |
| EER | | | | | 5.61 (1) / 3.28 (2) | |
| Pump | Nominal ESP unit | Cooling | | kPa | 52.6 (1) / 56.7 (2) | |
| | | Heating | | kPa | 52.4 (1) / 52.9 (2) | |
| Water side Heat exchanger | Water flow rate | Cooling | Nom. | l/min | 17.1 (1) / 14.6 (2) | |
| | | Heating | Nom. | l/min | 17.2 (1) / 16.9 (2) | |
| General | Supplier/ Manufacturer details | Name and address | | | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium | |
| | | Name or trademark | | | Daikin Europe N.V. | |
| | Product description | Air-to-water heat pump | | | Yes | |
| | | Brine-to-water heat pump | | | No | |
| | | Heat pump combination heater | | | Yes | |
| | | Low-temperature heat pump | | | No | |
| | | Supplementary heater integrated | | | Yes | |
| | | Water-to-water heat pump | | | No | |
| | LW(A) Sound power level (according to EN14825) | dB(A) | | dBA | 42 | |
| LW(A) Sound power level (according to EN14825) | dB(A) | | | dBA | 60 | |
| Sound condition Ecodesign and energy label | | | | | Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825 | |
| Space heating general | Air to water unit | Rated airflow (outdoor) | | $m^3/h$ | 2,520.0 | |
| | Other | Capacity control | | | Inverter | |
| | | Pck (Crankcase heater mode) | | kW | 0.0 | |
| | | Poff (Off mode) | | kW | 0.01 | |
| | | Psb (Standby mode) | | kW | 0.01 | |
| | | Pto (Thermostat off) | | kW | 0.01 | |
| Domestic hot water heating | General | Declared load profile | | | L | XL |
| | | Function to fix water heating during off peak hours | | | No | |
| Space heating general | Integrated supplementary heater | Psup | | kW | 9.0 | |
| | | Type of energy input | | | Electrical | |
| Domestic hot water heating | Average climate | AEC (Annual electricity consumption) | | kWh | 820 | 1,267 |
| | | ηwh (water heating efficiency) | | % | 125 | 133 |
| | | Qelec (Daily electricity consumption) | | kWh | 3.87 | 5.9 |
| Domestic hot water heating | Average climate | Water heating energy efficiency class | | | A+ | |
| | Cold climate | AEC (Annual electricity consumption) | | kWh | 951 | 1,475 |
| | | ηwh (water heating efficiency) | | % | 107 | 114 |
| | | Qelec (Daily electricity consumption) | | kWh | 4.48 | 6.86 |
| | Warm climate | AEC (Annual electricity consumption) | | kWh | 680 | 1,046 |
| | | ηwh (water heating efficiency) | | % | 151 | 161 |
| | | Qelec (Daily electricity consumption) | | kWh | 3.22 | 4.88 |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHVX08S18E9W + ERGA06EVH | EHVX08S23E9W + ERGA06EVH |
|---|---|---|---|---|---|---|
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 4,405 | |
| | | | ηs (Seasonal space heating efficiency) | % | 128 | |
| | | | Prated at -10°C | kW | 7.0 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 15.9 | |
| | | | SCOP | | 3.28 | |
| | | | Seasonal space heating eff. class | | A++ | |
| | | A Condition (-7°CD-B/-8°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 1.98 | |
| | | | Pdh | kW | 5.9 | |
| | | | PERd | % | 79 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 3.16 | |
| | | | Pdh | kW | 3.9 | |
| | | | PERd | % | 126 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 4.49 | |
| | | | Pdh | kW | 3.0 | |
| | | | PERd | % | 180 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 6.1 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 244 | |
| | | Tol (temperature operating limit) | COPd | | 1.53 | |
| | | | Pdh | kW | 5.4 | |
| | | | PERd | % | 61 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 55 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1.6 | |
| | | Tbiv (bivalent | COPd | | 2.12 | |
| | | | Pdh | kW | 6.1 | |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHVX08S18E9W + ERGA06EVH | EHVX08S23E9W + ERGA06EVH |
|---|---|---|---|---|---|---|
| Space heating | Average climate water outlet 55°C | Tbiv (bivalent temperature) | PERd | % | 85 | |
| | | | Tbiv | °C | -6 | |
| | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 5,278 | |
| | | | ηs (Seasonal space heating efficiency) | % | 109 | |
| | | | Prated at -22°C | kW | 6.0 | |
| | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 1,813 | |
| | | | ηs (Seasonal space heating efficiency) | % | 162 | |
| | | | Prated at 2°C | kW | 5.6 | |
| | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 3,196 | |
| | | | ηs (Seasonal space heating efficiency) | % | 178 | |
| | | | Prated at -10°C | kW | 7.0 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 11.5 | |
| | | | SCOP | | 4.52 | |
| | | | Seasonal space heating eff. class | | A+++ | |
| | | A Condition (-7°CD-B/-8°CWB) | COPd | | 2.86 | |
| | | | Pdh | kW | 6.0 | |
| | | | PERd | % | 114 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 4.25 | |
| | | | Pdh | kW | 3.9 | |
| | | | PERd | % | 170 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 6.3 | |
| | | | Pdh | kW | 3.2 | |
| | | | PERd | % | 252 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 7.78 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 311 | |
| | | Tol (temperature operating limit) | COPd | | 2.49 | |
| | | | Pdh | kW | 6.0 | |
| | | | PERd | % | 100 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 35 | |
| | | Tbiv (bivalent tempera- | COPd | | 3.07 | |
| | | | Pdh | kW | 6.1 | |
| | | | PERd | % | 123 | |
| Space heating | Average climate water outlet 35°C | Tbiv (bivalent temperature) | Tbiv | °C | -6 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1.0 | |
| | Cold climate water outlet 35°C | General | Annual energy consumption | kWh | 3,727 | |
| | | | ηs (Seasonal space heating efficiency) | % | 156 | |
| | | | Prated at -22°C | kW | 6.0 | |
| | Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,232 | |
| | | | ηs (Seasonal space heating efficiency) | % | 257 | |
| | | | Prated at 2°C | kW | 6.0 | |

(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 )

| Technical specifications | | | | EHVZ08S18E6V + ERGA06EVH | EHVZ08S23E6V + ERGA06EVH |
|---|---|---|---|---|---|
| Heating capacity | Nom. | | kW | 6.0 (1) / 5.9 (2) | |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | EHVZ08S18E6V + ERGA06EVH | EHVZ08S23E6V + ERGA06EVH |
|---|---|---|---|---|---|
| Power input | Heating | Nom. | kW | 1.24 (1) / 1.69 (2) | |
| | Domestic hot water from 10°C to 50°C | Nom. | kWh | 2.48 | 3.01 |
| Heat up time from 10°C to 50°C | | | hr | 1h28min | 1h40min |
| COP | | | | 4.85 (1) / 3.5 (2) | |
| Pump | Nominal ESP unit | Heating | kPa | 52.4 (1) / 52.9 (2) | |
| Water side Heat exchanger | Water flow rate | Heating Nom. | l/min | 17.2 (1) / 16.9 (2) | |
| General | Supplier/ Manufacturer details | Name and address | | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium | |
| | | Name or trademark | | Daikin Europe N.V. | |
| | Product description | Air-to-water heat pump | | Yes | |
| | | Brine-to-water heat pump | | No | |
| | | Heat pump combination heater | | Yes | |
| | | Low-temperature heat pump | | No | |
| | | Supplementary heater integrated | | Yes | |
| | | Water-to-water heat pump | | No | |
| | LW(A) Sound power level (according to EN14825) | dB(A) | dBA | 42 | |
| LW(A) Sound power level (according to EN14825) | dB(A) | | dBA | 60 | |
| Sound condition Ecodesign and energy label | | | | Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825 | |
| Space heating general | Air to water unit | Rated airflow (outdoor) | $m^3/h$ | 2,520.0 | |
| | Other | Capacity control | | Inverter | |
| | | Pck (Crankcase heater mode) | kW | 0.0 | |
| | | Poff (Off mode) | kW | 0.01 | |
| | | Psb (Standby mode) | kW | 0.01 | |
| | | Pto (Thermostat off) | kW | 0.01 | |
| Domestic hot water heating | General | Declared load profile | | L | XL |
| | | Function to fix water heating during off peak hours | | No | |
| Space heating general | Integrated supplementary heater | Psup | kW | 6.0 | |
| | | Type of energy input | | Electrical | |
| Domestic hot water heating | Average climate | AEC (Annual electricity consumption) | kWh | 820 | 1,267 |
| | | ηwh (water heating efficiency) | % | 125 | 133 |
| | | Qelec (Daily electricity consumption) | kWh | 3.87 | 5.9 |
| | | Water heating energy efficiency class | | A+ | |
| | Cold climate | AEC (Annual electricity consumption) | kWh | 951 | 1,475 |
| | | ηwh (water heating efficiency) | % | 107 | 114 |
| | | Qelec (Daily electricity consumption) | kWh | 4.48 | 6.86 |
| | Warm climate | AEC (Annual electricity consumption) | kWh | 680 | 1,046 |
| Domestic hot water heating | Warm climate | ηwh (water heating efficiency) | % | 151 | 161 |
| | | Qelec (Daily electricity consumption) | kWh | 3.22 | 4.88 |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHVZ08S18E6V + ERGA06EVH | EHVZ08S23E6V + ERGA06EVH |
|---|---|---|---|---|---|---|
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 4,441 | |
| | | | ηs (Seasonal space heating efficiency) | % | 127 | |
| | | | Prated at -10°C | kW | 7.0 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 16.0 | |
| | | | SCOP | | 3.26 | |
| | | | Seasonal space heating eff. class | | A++ | |
| | | A Condition (-7°CD-B/-8°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 1.98 | |
| | | | Pdh | kW | 5.9 | |
| | | | PERd | % | 79 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 3.16 | |
| | | | Pdh | kW | 3.9 | |
| | | | PERd | % | 126 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 4.49 | |
| | | | Pdh | kW | 3.0 | |
| | | | PERd | % | 180 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 6.1 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 244 | |
| | | Tol (temperature operating limit) | COPd | | 1.53 | |
| | | | Pdh | kW | 5.4 | |
| | | | PERd | % | 61 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 55 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1.6 | |
| | | Tbiv (bivalent temperature) | COPd | | 2.12 | |
| | | | Pdh | kW | 6.1 | |
| | | | PERd | % | 85 | |
| | | | Tbiv | °C | -6 | |
| | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 5,300 | |
| | | | ηs (Seasonal space heating efficiency) | % | 109 | |
| | | | Prated at -22°C | kW | 6.0 | |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHVZ08S18E6V + ERGA06EVH | EHVZ08S23E6V + ERGA06EVH |
|---|---|---|---|---|---|---|
| Space heating | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 1,858 | |
| | | | ηs (Seasonal space heating efficiency) | % | 158 | |
| | | | Prated at 2°C | kW | 5.6 | |
| | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 3,233 | |
| | | | ηs (Seasonal space heating efficiency) | % | 176 | |
| | | | Prated at -10°C | kW | 7.0 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 11.6 | |
| | | | SCOP | | 4.47 | |
| | | | Seasonal space heating eff. class | | A+++ | |
| | | A Condition (-7°CD-B/-8°CWB) | COPd | | 2.86 | |
| | | | Pdh | kW | 6.0 | |
| | | | PERd | % | 114 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 4.25 | |
| | | | Pdh | kW | 3.9 | |
| | | | PERd | % | 170 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 6.3 | |
| | | | Pdh | kW | 3.2 | |
| | | | PERd | % | 252 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 7.78 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 311 | |
| | | Tol (temperature operating limit) | COPd | | 2.49 | |
| | | | Pdh | kW | 6.0 | |
| | | | PERd | % | 100 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 35 | |
| | | Tbiv (bivalent temperature) | COPd | | 3.07 | |
| | | | Pdh | kW | 6.1 | |
| | | | PERd | % | 123 | |
| | | | Tbiv | °C | -6 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1.0 | |
| | Cold climate water outlet 35°C | General | Annual energy consumption | kWh | 3,749 | |
| | | | ηs (Seasonal space heating efficiency) | % | 155 | |
| | | | Prated at -22°C | kW | 6.0 | |
| Space heating | Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,276 | |
| | | | ηs (Seasonal space heating efficiency) | % | 248 | |
| | | | Prated at 2°C | kW | 6.0 | |

(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 )

| Technical specifications | | | | | EHVZ08S18E9W + ERGA06EVH | EHVZ08S23E9W + ERGA06EVH |
|---|---|---|---|---|---|---|
| Heating capacity | Nom. | | | kW | 6.0 (1) / 5.9 (2) | |
| Power input | Heating | Nom. | | kW | 1.24 (1) / 1.69 (2) | |
| | Domestic hot water from 10°C to 50°C | Nom. | | kWh | 2.48 | 3.01 |
| Heat up time from 10°C to 50°C | | | | hr | 1h28min | 1h40min |
| COP | | | | | 4.85 (1) / 3.5 (2) | |
| Pump | Nominal ESP unit | Heating | | kPa | 52.4 (1) / 52.9 (2) | |
| Water side Heat exchanger | Water flow rate | Heating | Nom. | l/min | 17.2 (1) / 16.9 (2) | |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | EHVZ08S18E9W + ERGA06EVH | EHVZ08S23E9W + ERGA06EVH |
|---|---|---|---|---|---|
| General | Supplier/ Manufacturer details | Name and address | | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium | |
| | | Name or trademark | | Daikin Europe N.V. | |
| | Product description | Air-to-water heat pump | | Yes | |
| | | Brine-to-water heat pump | | No | |
| | | Heat pump combination heater | | Yes | |
| | | Low-temperature heat pump | | No | |
| | | Supplementary heater integrated | | Yes | |
| | | Water-to-water heat pump | | No | |
| | LW(A) Sound power level (according to EN14825) | dB(A) | dBA | 42 | |
| LW(A) Sound power level (according to EN14825) | dB(A) | | dBA | 60 | |
| Sound condition Ecodesign and energy label | | | | Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825 | |
| Space heating general | Air to water unit | Rated airflow (outdoor) | $m^3/h$ | 2,520.0 | |
| | Other | Capacity control | | Inverter | |
| | | Pck (Crankcase heater mode) | kW | 0.0 | |
| | | Poff (Off mode) | kW | 0.01 | |
| | | Psb (Standby mode) | kW | 0.01 | |
| | | Pto (Thermostat off) | kW | 0.01 | |
| Domestic hot water heating | General | Declared load profile | | L | XL |
| | | Function to fix water heating during off peak hours | | No | |
| Space heating general | Integrated supplementary heater | Psup | kW | 9.0 | |
| | | Type of energy input | | Electrical | |
| Domestic hot water heating | Average climate | AEC (Annual electricity consumption) | kWh | 820 | 1,267 |
| | | ηwh (water heating efficiency) | % | 125 | 133 |
| | | Qelec (Daily electricity consumption) | kWh | 3.87 | 5.9 |
| | | Water heating energy efficiency class | | A+ | |
| | Cold climate | AEC (Annual electricity consumption) | kWh | 951 | 1,475 |
| | | ηwh (water heating efficiency) | % | 107 | 114 |
| | | Qelec (Daily electricity consumption) | kWh | 4.48 | 6.86 |
| | Warm climate | AEC (Annual electricity consumption) | kWh | 680 | 1,046 |
| Domestic hot water heating | Warm climate | ηwh (water heating efficiency) | % | 151 | 161 |
| | | Qelec (Daily electricity consumption) | kWh | 3.22 | 4.88 |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHVZ08S18E9W + ERGA06EVH | EHVZ08S23E9W + ERGA06EVH |
|---|---|---|---|---|---|---|
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 4,441 | |
| | | | ηs (Seasonal space heating efficiency) | % | 127 | |
| | | | Prated at -10°C | kW | 7.0 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 16.0 | |
| | | | SCOP | | 3.26 | |
| | | | Seasonal space heating eff. class | | A++ | |
| | | A Condition (-7°CD-B/-8°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 1.98 | |
| | | | Pdh | kW | 5.9 | |
| | | | PERd | % | 79 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 3.16 | |
| | | | Pdh | kW | 3.9 | |
| | | | PERd | % | 126 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 4.49 | |
| | | | Pdh | kW | 3.0 | |
| | | | PERd | % | 180 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 6.1 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 244 | |
| | | Tol (temperature operating limit) | COPd | | 1.53 | |
| | | | Pdh | kW | 5.4 | |
| | | | PERd | % | 61 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 55 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1.6 | |
| | | Tbiv (bivalent temperature) | COPd | | 2.12 | |
| | | | Pdh | kW | 6.1 | |
| | | | PERd | % | 85 | |
| | | | Tbiv | °C | -6 | |
| | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 5,300 | |
| | | | ηs (Seasonal space heating efficiency) | % | 109 | |
| | | | Prated at -22°C | kW | 6.0 | |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHVZ08S18E9W + ERGA06EVH | EHVZ08S23E9W + ERGA06EVH |
|---|---|---|---|---|---|---|
| Space heating | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 1,858 | |
| | | | ηs (Seasonal space heating efficiency) | % | 158 | |
| | | | Prated at 2°C | kW | 5.6 | |
| | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 3,233 | |
| | | | ηs (Seasonal space heating efficiency) | % | 176 | |
| | | | Prated at -10°C | kW | 7.0 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 11.6 | |
| | | | SCOP | | 4.47 | |
| | | | Seasonal space heating eff. class | | A+++ | |
| | | A Condition (-7°CD-B/-8°CWB) | COPd | | 2.86 | |
| | | | Pdh | kW | 6.0 | |
| | | | PERd | % | 114 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 4.25 | |
| | | | Pdh | kW | 3.9 | |
| | | | PERd | % | 170 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 6.3 | |
| | | | Pdh | kW | 3.2 | |
| | | | PERd | % | 252 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 7.78 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 311 | |
| | | Tol (temperature operating limit) | COPd | | 2.49 | |
| | | | Pdh | kW | 6.0 | |
| | | | PERd | % | 100 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 35 | |
| | | Tbiv (bivalent temperature) | COPd | | 3.07 | |
| | | | Pdh | kW | 6.1 | |
| | | | PERd | % | 123 | |
| | | | Tbiv | °C | -6 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1.0 | |
| | Cold climate water outlet 35°C | General | Annual energy consumption | kWh | 3,749 | |
| | | | ηs (Seasonal space heating efficiency) | % | 155 | |
| | | | Prated at -22°C | kW | 6.0 | |
| Space heating | Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,276 | |
| | | | ηs (Seasonal space heating efficiency) | % | 248 | |
| | | | Prated at 2°C | kW | 6.0 | |

(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 )

| Technical specifications | | | | | EHBH08E6V + ERGA08EVH7 |
|---|---|---|---|---|---|
| Heating capacity | Nom. | | | kW | 7.5 (1) / 7.8 (2) |
| Power input | Heating | Nom. | | kW | 1.63 (1) / 2.23 (2) |
| COP | | | | | 4.6 (1) / 3.5 (2) |
| Pump | Nominal ESP unit | Heating | | kPa | 43.3 (1) / 41.2 (2) |
| Water side Heat exchanger | Water flow rate | Heating | Nom. | l/min | 21.5 (1) / 22.4 (2) |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHBH08E6V + ERGA08EVH7 |
|---|---|---|---|---|---|
| General | Supplier/ Manufacturer details | Name and address | | | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium |
| | | Name or trademark | | | Daikin Europe N.V. |
| | Product description | Air-to-water heat pump | | | Yes |
| | | Brine-to-water heat pump | | | No |
| | | Heat pump combination heater | | | No |
| | | Low-temperature heat pump | | | No |
| | | Supplementary heater integrated | | | Yes |
| | | Water-to-water heat pump | | | No |
| | LW(A) Sound power level (according to EN14825) | dB(A) | | dBA | 42 |
| LW(A) Sound power level (according to EN14825) | dB(A) | | | dBA | 62 |
| Sound condition Ecodesign and energy label | | | | | Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825 |
| Space heating general | Air to water unit | Rated airflow (outdoor) | | $m^3/h$ | 2,770.0 |
| | Other | Capacity control | | | Inverter |
| | | Pck (Crankcase heater mode) | | kW | 0.0 |
| | | Poff (Off mode) | | kW | 0.01 |
| | | Psb (Standby mode) | | kW | 0.01 |
| | | Pto (Thermostat off) | | kW | 0.01 |
| | Integrated supplementary heater | Psup | | kW | 6.0 |
| | | Type of energy input | | | Electrical |
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 4,975 |
| | | | ηs (Seasonal space heating efficiency) | % | 130 |
| | | | Prated at -10°C | kW | 8.0 |
| | | | Qhe Annual energy consumption (GCV) | Gj | 17.9 |
| | | | SCOP | | 3.32 |
| | | | Seasonal space heating eff. class | | A++ |
| | | A Condition (-7°CD-B/-8°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 1.96 |
| | | | Pdh | kW | 6.9 |
| | | | PERd | % | 78 |
| | | B Condition (2°CD- | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 3.2 |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHBH08E6V + ERGA08EVH7 |
|---|---|---|---|---|---|
| Space heating | Average climate water outlet 55°C | B Condition (2°CD-B/1°CWB) | Pdh | kW | 4.4 |
| | | | PERd | % | 128 |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 4.64 |
| | | | Pdh | kW | 3.3 |
| | | | PERd | % | 186 |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 6.22 |
| | | | Pdh | kW | 4.1 |
| | | | PERd | % | 249 |
| | | Tol (temperature operating limit) | COPd | | 1.64 |
| | | | Pdh | kW | 7.1 |
| | | | PERd | % | 66 |
| | | | TOL | °C | -10 |
| | | | WTOL | °C | 55 |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 0.9 |
| | | Tbiv (bivalent temperature) | COPd | | 1.9 |
| | | | Pdh | kW | 7.5 |
| | | | PERd | % | 76 |
| | | | Tbiv | °C | -8 |
| | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 6,886 |
| | | | ηs (Seasonal space heating efficiency) | % | 112 |
| | | | Prated at -22°C | kW | 8.0 |
| | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 2,702 |
| | | | ηs (Seasonal space heating efficiency) | % | 157 |
| | | | Prated at 2°C | kW | 8.1 |
| | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 3,625 |
| | | | ηs (Seasonal space heating efficiency) | % | 179 |
| | | | Prated at -10°C | kW | 8.0 |
| | | | Qhe Annual energy consumption (GCV) | Gj | 13.1 |
| | | | SCOP | | 4.56 |
| | | | Seasonal space heating eff. class | | A+++ |
| | | A Condition (-7°CD-B/-8°CWB) | COPd | | 2.77 |
| | | | Pdh | kW | 7.0 |
| | | | PERd | % | 111 |
| | | B Condition (2°CD- | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 4.35 |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHBH08E6V + ERGA08EVH7 |
|---|---|---|---|---|---|
| Space heating | Average climate water outlet 35°C | B Condition (2°CD-B/1°CWB) | Pdh | kW | 4.2 |
| | | | PERd | % | 174 |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 6.49 |
| | | | Pdh | kW | 3.3 |
| | | | PERd | % | 260 |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 8.52 |
| | | | Pdh | kW | 3.9 |
| | | | PERd | % | 341 |
| | | Tol (temperature operating limit) | COPd | | 2.41 |
| | | | Pdh | kW | 6.9 |
| | | | PERd | % | 96 |
| | | | TOL | °C | -10 |
| | | | WTOL | °C | 35 |
| | | Tbiv (bivalent temperature) | COPd | | 2.66 |
| | | | Pdh | kW | 7.5 |
| | | | PERd | % | 106 |
| | | | Tbiv | °C | -8 |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1.1 |
| | Cold climate water outlet 35°C | General | Annual energy consumption | kWh | 5,034 |
| | | | ηs (Seasonal space heating efficiency) | % | 154 |
| | | | Prated at -22°C | kW | 8.0 |
| | Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,437 |
| | | | ηs (Seasonal space heating efficiency) | % | 257 |
| | | | Prated at 2°C | kW | 7.0 |

(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 )

| Technical specifications | | | | | EHBH08E9W + ERGA08EVH7 |
|---|---|---|---|---|---|
| Heating capacity | Nom. | | | kW | 7.5 (1) / 7.8 (2) |
| Power input | Heating | Nom. | | kW | 1.63 (1) / 2.23 (2) |
| COP | | | | | 4.6 (1) / 3.5 (2) |
| Pump | Nominal ESP unit | Heating | | kPa | 43.3 (1) / 41.2 (2) |
| Water side Heat exchanger | Water flow rate | Heating | Nom. | l/min | 21.5 (1) / 22.4 (2) |
| General | Supplier/ | Name and address | | | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium |
| | Manufacturer details | Name or trademark | | | Daikin Europe N.V. |
| | Product description | Air-to-water heat pump | | | Yes |
| | | Brine-to-water heat pump | | | No |
| | | Heat pump combination heater | | | No |
| | | Low-temperature heat pump | | | No |
| | | Supplementary heater integrated | | | Yes |
| | | Water-to-water heat pump | | | No |
| | LW(A) Sound power level (according to EN14825) | dB(A) | | dBA | 42 |
| LW(A) Sound power level (according to EN14825) | dB(A) | | | dBA | 62 |
| Sound condition Ecodesign and energy label | | | | | Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825 |
| Space heating general | Air to water unit | Rated airflow (outdoor) | | $m^3/h$ | 2,770.0 |
| | Other | Capacity control | | | Inverter |
| | | Pck (Crankcase heater mode) | | kW | 0.0 |
| | | Poff (Off mode) | | kW | 0.01 |
| | | Psb (Standby mode) | | kW | 0.01 |
| | | Pto (Thermostat off) | | kW | 0.01 |
| | Integrated supplementary heater | Psup | | kW | 9.0 |
| | | Type of energy input | | | Electrical |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHBH08E9W + ERGA08EVH7 |
|---|---|---|---|---|---|
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 4,975 |
| | | | ηs (Seasonal space heating efficiency) | % | 130 |
| | | | Prated at -10°C | kW | 8.0 |
| | | | Qhe Annual energy consumption (GCV) | Gj | 17.9 |
| | | | SCOP | | 3.32 |
| | | | Seasonal space heating eff. class | | A++ |
| | | A Condition (-7°CD-B/-8°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 1.96 |
| | | | Pdh | kW | 6.9 |
| | | | PERd | % | 78 |
| | | B Condition (2°CD- | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 3.2 |
| Space heating | Average climate water outlet 55°C | B Condition (2°CD-B/1°CWB) | Pdh | kW | 4.4 |
| | | | PERd | % | 128 |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 4.64 |
| | | | Pdh | kW | 3.3 |
| | | | PERd | % | 186 |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 6.22 |
| | | | Pdh | kW | 4.1 |
| | | | PERd | % | 249 |
| | | Tol (temperature operating limit) | COPd | | 1.64 |
| | | | Pdh | kW | 7.1 |
| | | | PERd | % | 66 |
| | | | TOL | °C | -10 |
| | | | WTOL | °C | 55 |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 0.9 |
| | | Tbiv (bivalent temperature) | COPd | | 1.9 |
| | | | Pdh | kW | 7.5 |
| | | | PERd | % | 76 |
| | | | Tbiv | °C | -8 |
| | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 6,886 |
| | | | ηs (Seasonal space heating efficiency) | % | 112 |
| | | | Prated at -22°C | kW | 8.0 |
| | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 2,702 |
| | | | ηs (Seasonal space heating efficiency) | % | 157 |
| | | | Prated at 2°C | kW | 8.1 |
| | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 3,625 |
| | | | ηs (Seasonal space heating efficiency) | % | 179 |
| | | | Prated at -10°C | kW | 8.0 |
| | | | Qhe Annual energy consumption (GCV) | Gj | 13.1 |
| | | | SCOP | | 4.56 |
| | | | Seasonal space heating eff. class | | A+++ |
| | | A Condition (-7°CD-B/-8°CWB) | COPd | | 2.77 |
| | | | Pdh | kW | 7.0 |
| | | | PERd | % | 111 |
| | | B Condition (2°CD- | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 4.35 |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHBH08E9W + ERGA08EVH7 |
|---|---|---|---|---|---|
| Space heating | Average climate water outlet 35°C | B Condition (2°CD-B/1°CWB) | Pdh | kW | 4.2 |
| | | | PERd | % | 174 |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 6.49 |
| | | | Pdh | kW | 3.3 |
| | | | PERd | % | 260 |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 8.52 |
| | | | Pdh | kW | 3.9 |
| | | | PERd | % | 341 |
| | | Tol (temperature operating limit) | COPd | | 2.41 |
| | | | Pdh | kW | 6.9 |
| | | | PERd | % | 96 |
| | | | TOL | °C | -10 |
| | | | WTOL | °C | 35 |
| | | Tbiv (bivalent temperature) | COPd | | 2.66 |
| | | | Pdh | kW | 7.5 |
| | | | PERd | % | 106 |
| | | | Tbiv | °C | -8 |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1.1 |
| | Cold climate water outlet 35°C | General | Annual energy consumption | kWh | 5,034 |
| | | | ηs (Seasonal space heating efficiency) | % | 154 |
| | | | Prated at -22°C | kW | 8.0 |
| | Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,437 |
| | | | ηs (Seasonal space heating efficiency) | % | 257 |
| | | | Prated at 2°C | kW | 7.0 |

(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 )

| Technical specifications | | | | | EHBX08E6V + ERGA08EVH7 |
|---|---|---|---|---|---|
| Heating capacity | Nom. | | | kW | 7.5 (1) / 7.8 (2) |
| Cooling capacity | Nom. | | | kW | 6.25 (1) / 5.44 (2) |
| Power input | Heating | Nom. | | kW | 1.63 (1) / 2.23 (2) |
| | Cooling | Nom. | | kW | 1.16 (1) / 1.73 (2) |
| COP | | | | | 4.6 (1) / 3.5 (2) |
| EER | | | | | 5.4 (1) / 3.14 (2) |
| Pump | Nominal ESP unit | Cooling | | kPa | 51.1 (1) / 55.1 (2) |
| | | Heating | | kPa | 43.3 (1) / 41.2 (2) |
| Water side Heat exchanger | Water flow rate | Cooling | Nom. | l/min | 17.9 (1) / 15.6 (2) |
| | | Heating | Nom. | l/min | 21.5 (1) / 22.4 (2) |
| General | Supplier/ Manufacturer details | Name and address | | | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium |
| | | Name or trademark | | | Daikin Europe N.V. |
| | Product description | Air-to-water heat pump | | | Yes |
| | | Brine-to-water heat pump | | | No |
| | | Heat pump combination heater | | | No |
| | | Low-temperature heat pump | | | No |
| | | Supplementary heater integrated | | | Yes |
| | | Water-to-water heat pump | | | No |
| | LW(A) Sound power level (according to EN14825) | dB(A) | | dBA | 42 |
| LW(A) Sound power level (according to EN14825) | dB(A) | | | dBA | 62 |
| Sound condition Ecodesign and energy label | | | | | Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825 |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHBX08E6V + ERGA08EVH7 |
|---|---|---|---|---|---|
| Space heating general | Air to water unit | Rated airflow (outdoor) | | $m^3/h$ | 2,770.0 |
| | Other | Capacity control | | | Inverter |
| | | Pck (Crankcase heater mode) | | kW | 0.0 |
| | | Poff (Off mode) | | kW | 0.01 |
| | | Psb (Standby mode) | | kW | 0.01 |
| | | Pto (Thermostat off) | | kW | 0.01 |
| | Integrated supplementary heater | Psup | | kW | 6.0 |
| | | Type of energy input | | | Electrical |
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 4,939 |
| | | | ηs (Seasonal space heating efficiency) | % | 131 |
| | | | Prated at -10°C | kW | 8.0 |
| | | | Qhe Annual energy consumption (GCV) | Gj | 17.8 |
| | | | SCOP | | 3.35 |
| | | | Seasonal space heating eff. class | | A++ |
| | | A Condition (-7°CD-B/-8°CWB) | Cdh (Degradation heating) | | 1.0 |
| Space heating | Average climate water outlet 55°C | A Condition (-7°CD-B/-8°CWB) | COPd | | 1.96 |
| | | | Pdh | kW | 6.9 |
| | | | PERd | % | 78 |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 3.2 |
| | | | Pdh | kW | 4.4 |
| | | | PERd | % | 128 |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 4.64 |
| | | | Pdh | kW | 3.3 |
| | | | PERd | % | 186 |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 6.22 |
| | | | Pdh | kW | 4.1 |
| | | | PERd | % | 249 |
| | | Tol (temperature operating limit) | COPd | | 1.64 |
| | | | Pdh | kW | 7.1 |
| | | | PERd | % | 66 |
| | | | TOL | °C | -10 |
| | | | WTOL | °C | 55 |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 0.9 |
| | | Tbiv (bivalent temperature) | COPd | | 1.9 |
| | | | Pdh | kW | 7.5 |
| | | | PERd | % | 76 |
| | | | Tbiv | °C | -8 |
| | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 6,864 |
| | | | ηs (Seasonal space heating efficiency) | % | 112 |
| | | | Prated at -22°C | kW | 8.0 |
| | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 2,658 |
| | | | ηs (Seasonal space heating efficiency) | % | 160 |
| | | | Prated at 2°C | kW | 8.1 |
| | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 3,588 |
| | | | ηs (Seasonal space heating efficiency) | % | 181 |
| | | | Prated at -10°C | kW | 8.0 |
| | | | Qhe Annual energy consumption (GCV) | Gj | 12.9 |
| | | | SCOP | | 4.61 |
| | | | Seasonal space heating eff. class | | A+++ |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHBX08E6V + ERGA08EVH7 |
|---|---|---|---|---|---|
| Space heating | Average climate water outlet 35°C | A Condition (-7°CD-B/-8°CWB) | COPd | | 2.77 |
| | | | Pdh | kW | 7.0 |
| | | | PERd | % | 111 |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 4.35 |
| | | | Pdh | kW | 4.2 |
| | | | PERd | % | 174 |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 6.49 |
| | | | Pdh | kW | 3.3 |
| | | | PERd | % | 260 |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 8.52 |
| | | | Pdh | kW | 3.9 |
| | | | PERd | % | 341 |
| | | Tol (temperature operating limit) | COPd | | 2.41 |
| | | | Pdh | kW | 6.9 |
| | | | PERd | % | 96 |
| | | | TOL | °C | -10 |
| | | | WTOL | °C | 35 |
| | | Tbiv (bivalent temperature) | COPd | | 2.66 |
| | | | Pdh | kW | 7.5 |
| | | | PERd | % | 106 |
| | | | Tbiv | °C | -8 |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1.1 |
| | Cold climate water outlet 35°C | General | Annual energy consumption | kWh | 5,012 |
| | | | ηs (Seasonal space heating efficiency) | % | 154 |
| | | | Prated at -22°C | kW | 8.0 |
| | Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,393 |
| | | | ηs (Seasonal space heating efficiency) | % | 266 |
| | | | Prated at 2°C | kW | 7.0 |

(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 )

| Technical specifications | | | | | EHBX08E9W + ERGA08EVH7 |
|---|---|---|---|---|---|
| Heating capacity | Nom. | | | kW | 7.5 (1) / 7.8 (2) |
| Cooling capacity | Nom. | | | kW | 6.25 (1) / 5.44 (2) |
| Power input | Heating | Nom. | | kW | 1.63 (1) / 2.23 (2) |
| | Cooling | Nom. | | kW | 1.16 (1) / 1.73 (2) |
| COP | | | | | 4.6 (1) / 3.5 (2) |
| EER | | | | | 5.4 (1) / 3.14 (2) |
| Pump | Nominal ESP unit | Cooling | | kPa | 51.1 (1) / 55.1 (2) |
| | | Heating | | kPa | 43.3 (1) / 41.2 (2) |
| Water side Heat exchanger | Water flow rate | Cooling | Nom. | l/min | 17.9 (1) / 15.6 (2) |
| | | Heating | Nom. | l/min | 21.5 (1) / 22.4 (2) |
| General | Supplier/ Manufacturer details | Name and address | | | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium |
| | | Name or trademark | | | Daikin Europe N.V. |
| | Product description | Air-to-water heat pump | | | Yes |
| | | Brine-to-water heat pump | | | No |
| | | Heat pump combination heater | | | No |
| | | Low-temperature heat pump | | | No |
| | | Supplementary heater integrated | | | Yes |
| | | Water-to-water heat pump | | | No |
| | LW(A) Sound power level (according to EN14825) | dB(A) | | dBA | 42 |
| LW(A) Sound power level (according to EN14825) | dB(A) | | | dBA | 62 |
| Sound condition Ecodesign and energy label | | | | | Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825 |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHBX08E9W + ERGA08EVH7 |
|---|---|---|---|---|---|
| Space heating general | Air to water unit | Rated airflow (outdoor) | | $m^3/h$ | 2,770.0 |
| | Other | Capacity control | | | Inverter |
| | | Pck (Crankcase heater mode) | | kW | 0.0 |
| | | Poff (Off mode) | | kW | 0.01 |
| | | Psb (Standby mode) | | kW | 0.01 |
| | | Pto (Thermostat off) | | kW | 0.01 |
| | Integrated supplementary heater | Psup | | kW | 9.0 |
| | | Type of energy input | | | Electrical |
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 4,939 |
| | | | ηs (Seasonal space heating efficiency) | % | 131 |
| | | | Prated at -10°C | kW | 8.0 |
| | | | Qhe Annual energy consumption (GCV) | Gj | 17.8 |
| | | | SCOP | | 3.35 |
| | | | Seasonal space heating eff. class | | A++ |
| | | A Condition (-7°CD-B/-8°CWB) | Cdh (Degradation heating) | | 1.0 |
| Space heating | Average climate water outlet 55°C | A Condition (-7°CD-B/-8°CWB) | COPd | | 1.96 |
| | | | Pdh | kW | 6.9 |
| | | | PERd | % | 78 |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 3.2 |
| | | | Pdh | kW | 4.4 |
| | | | PERd | % | 128 |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 4.64 |
| | | | Pdh | kW | 3.3 |
| | | | PERd | % | 186 |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 6.22 |
| | | | Pdh | kW | 4.1 |
| | | | PERd | % | 249 |
| | | Tol (temperature operating limit) | COPd | | 1.64 |
| | | | Pdh | kW | 7.1 |
| | | | PERd | % | 66 |
| | | | TOL | °C | -10 |
| | | | WTOL | °C | 55 |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 0.9 |
| | | Tbiv (bivalent temperature) | COPd | | 1.9 |
| | | | Pdh | kW | 7.5 |
| | | | PERd | % | 76 |
| | | | Tbiv | °C | -8 |
| | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 6,864 |
| | | | ηs (Seasonal space heating efficiency) | % | 112 |
| | | | Prated at -22°C | kW | 8.0 |
| | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 2,658 |
| | | | ηs (Seasonal space heating efficiency) | % | 160 |
| | | | Prated at 2°C | kW | 8.1 |
| | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 3,588 |
| | | | ηs (Seasonal space heating efficiency) | % | 181 |
| | | | Prated at -10°C | kW | 8.0 |
| | | | Qhe Annual energy consumption (GCV) | Gj | 12.9 |
| | | | SCOP | | 4.61 |
| | | | Seasonal space heating eff. class | | A+++ |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHBX08E9W + ERGA08EVH7 |
|---|---|---|---|---|---|
| Space heating | Average climate water outlet 35°C | A Condition (-7°CD-B/-8°CWB) | COPd | | 2.77 |
| | | | Pdh | kW | 7.0 |
| | | | PERd | % | 111 |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 4.35 |
| | | | Pdh | kW | 4.2 |
| | | | PERd | % | 174 |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 6.49 |
| | | | Pdh | kW | 3.3 |
| | | | PERd | % | 260 |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 |
| | | | COPd | | 8.52 |
| | | | Pdh | kW | 3.9 |
| | | | PERd | % | 341 |
| | | Tol (temperature operating limit) | COPd | | 2.41 |
| | | | Pdh | kW | 6.9 |
| | | | PERd | % | 96 |
| | | | TOL | °C | -10 |
| | | | WTOL | °C | 35 |
| | | Tbiv (bivalent temperature) | COPd | | 2.66 |
| | | | Pdh | kW | 7.5 |
| | | | PERd | % | 106 |
| | | | Tbiv | °C | -8 |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1.1 |
| | Cold climate water outlet 35°C | General | Annual energy consumption | kWh | 5,012 |
| | | | ηs (Seasonal space heating efficiency) | % | 154 |
| | | | Prated at -22°C | kW | 8.0 |
| | Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,393 |
| | | | ηs (Seasonal space heating efficiency) | % | 266 |
| | | | Prated at 2°C | kW | 7.0 |

(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 )

| Technical specifications | | | | | EHSH08P30E + ERGA08EVH7 | EHSH08P50E + ERGA08EVH7 |
|---|---|---|---|---|---|---|
| Indoor unit | | | | | EHSH08P30EF | EHSH08P50EF |
| Outdoor unit | | | | | ERGA08EAV3H7 | |
| Heating capacity | Nom. | | | kW | 7.50 (1) / 7.80 (2) | |
| Power input | Heating | Nom. | | kW | 1.63 (1) / 2.23 (2) | |
| COP | | | | | 4.60 (1) / 3.50 (2) | |
| Pump | Type | | | | Grundfos UPM4 K 20-75 CHBL FS2 | |
| Water side Heat exchanger | Water flow rate | Heating | Nom. | l/min | 21.5 (1) / 22.4 (2) | |
| General | Supplier/ Manufacturer details | Name and address | | | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium | |
| | | Name or trademark | | | Daikin Europe N.V. | |
| | Product description | Air-to-water heat pump | | | Yes | |
| | | Brine-to-water heat pump | | | No | |
| | | Heat pump combination heater | | | Yes | |
| | | Low-temperature heat pump | | | No | |
| | | Supplementary heater integrated | | | No | |
| | | Water-to-water heat pump | | | No | |
| | LW(A) Sound power level (according to EN14825) | dB(A) | | dBA | 39 | |
| LW(A) Sound power level (according to EN14825) | dB(A) | | | dBA | 62 | |
| Sound condition Ecodesign and energy label | | | | | Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825 | |
| Space heating general | Air to water unit | Rated airflow (outdoor) | | $m^3/h$ | 2,770 | |
| | Other | Capacity control | | | Inverter | |
| | | Pck (Crankcase heater mode) | | kW | 0 | |
| | | Poff (Off mode) | | kW | 0.01 | |
| | | Psb (Standby mode) | | kW | 0.01 | |
| | | Pto (Thermostat off) | | kW | 0.01 | |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHSH08P30E + ERGA08EVH7 | EHSH08P50E + ERGA08EVH7 |
|---|---|---|---|---|---|---|
| Domestic hot water heating | General | Declared load profile | | | L | XL |
| | | Function to fix water heating during off peak hours | | | No | |
| Space heating general | Integrated supplementary heater | Type of energy input | | | Electrical | |
| Domestic hot water heating | Average climate | AEC (Annual electricity consumption) | | kWh | 867 | 1,336 |
| | | COPdhw | | | 2.8 | 3.06 |
| | | Heat up time | | | 1h 34min | 2h 41min |
| | | Mixed water at 40°C | | l | 140.4 | 227.9 |
| | | ηwh (water heating efficiency) | | % | 118 | 125 |
| | | Qelec (Daily electricity consumption) | | kWh | 4.172 | 6.224 |
| | | Reference hot water temperature | | °C | 44.6 | |
| | | Stand-by power input | | W | 40.4 | 25.3 |
| | | Water heating energy efficiency class | | | A+ | |
| Domestic hot water heating | Cold climate | AEC (Annual electricity consumption) | | kWh | 1,006 | 1,493 |
| | | COPdhw | | | 2.41 | 2.75 |
| | | Mixed water at 40°C | | l | 140 | 227.9 |
| | | ηwh (water heating efficiency) | | % | 102 | 112 |
| | | Qelec (Daily electricity consumption) | | kWh | 4.835 | 6.944 |
| | | Reference hot water temperature | | °C | 44.4 | 44.6 |
| | | Stand-by power input | | W | 46 | 26.7 |
| | Warm climate | AEC (Annual electricity consumption) | | kWh | 716 | 1,186 |
| | | COPdhw | | | 3.38 | 3.45 |
| | | Mixed water at 40°C | | l | 138.1 | 227.9 |
| | | ηwh (water heating efficiency) | | % | 143 | 141 |
| | | Qelec (Daily electricity consumption) | | kWh | 3.447 | 5.531 |
| | | Reference hot water temperature | | °C | 44.4 | 44.6 |
| | | Stand-by power input | | W | 33.9 | 23.7 |
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 4,975 | |
| | | | ηs (Seasonal space heating efficiency) | % | 130 | |
| | | | Prated at -10°C | kW | 8 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 18 | |
| | | | SCOP | | 3.32 | |
| | | | Seasonal space heating eff. class | | A++ | |
| | | A Condition (-7°CD-B/-8°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 1.96 | |
| | | | Pdh | kW | 6.9 | |
| | | | PERd | % | 78.4 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 3.2 | |
| | | | Pdh | kW | 4.4 | |
| | | | PERd | % | 128 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 4.64 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 185.6 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 6.22 | |
| | | | Pdh | kW | 4.1 | |
| | | | PERd | % | 248.8 | |
| | | Tol (temperature operating limit) | COPd | | 1.64 | |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHSH08P30E + ERGA08EVH7 | EHSH08P50E + ERGA08EVH7 |
|---|---|---|---|---|---|---|
| Space heating | Average climate water outlet 55°C | Tol (temperature operating limit) | Pdh | kW | 7.1 | |
| | | | PERd | % | 65.6 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 55 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1 | |
| | | Tbiv (bivalent temperature) | COPd | | 1.9 | |
| | | | Pdh | kW | 7.5 | |
| | | | PERd | % | 76 | |
| | | | Tbiv | °C | -8 | |
| | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 6,886 | |
| | | | ηs (Seasonal space heating efficiency) | % | 112 | |
| | | | Prated at -22°C | kW | 8 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 25 | |
| | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 2,702 | |
| | | | ηs (Seasonal space heating efficiency) | % | 157 | |
| | | | Prated at 2°C | kW | 8.1 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 10 | |
| | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 3,625 | |
| | | | ηs (Seasonal space heating efficiency) | % | 179 | |
| | | | Prated at -10°C | kW | 8 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 13 | |
| | | | SCOP | | 4.56 | |
| | | | Seasonal space heating eff. class | | A+++ | |
| | | A Condition (-7°CD-B/-8°CWB) | COPd | | 2.77 | |
| | | | Pdh | kW | 7 | |
| | | | PERd | % | 110.8 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 4.35 | |
| | | | Pdh | kW | 4.2 | |
| | | | PERd | % | 174 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 6.49 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 259.6 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 8.52 | |
| | | | Pdh | kW | 3.9 | |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHSH08P30E + ERGA08EVH7 | EHSH08P50E + ERGA08EVH7 |
|---|---|---|---|---|---|---|
| Space heating | Average climate water outlet 35°C | D Condition (12°CD-B/11°CWB) | PERd | % | 340.8 | |
| | | Tol (temperature operating limit) | COPd | | 2.41 | |
| | | | Pdh | kW | 6.9 | |
| | | | PERd | % | 96.4 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 35 | |
| | | Tbiv (bivalent temperature) | COPd | | 2.66 | |
| | | | Pdh | kW | 7.5 | |
| | | | PERd | % | 106.4 | |
| | | | Tbiv | °C | -8 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1.1 | |
| | Cold climate water outlet 35°C | General | Annual energy consumption | kWh | 5,034 | |
| | | | ηs (Seasonal space heating efficiency) | % | 154 | |
| | | | Prated at -22°C | kW | 8 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 18 | |
| | Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,437 | |
| | | | ηs (Seasonal space heating efficiency) | % | 257 | |
| | | | Prated at 2°C | kW | 7 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 5 | |

(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 )

| Technical specifications | | | | | EHSHB08P30E + ERGA08EVH7 | EHSHB08P50E + ERGA08EVH7 |
|---|---|---|---|---|---|---|
| Indoor unit | | | | | EHSHB08P30EF | EHSHB08P50EF |
| Outdoor unit | | | | | ERGA08EAV3H7 | |
| Heating capacity | Nom. | | | kW | 7.50 (1) / 7.80 (2) | |
| Power input | Heating | Nom. | | kW | 1.63 (1) / 2.23 (2) | |
| COP | | | | | 4.60 (1) / 3.50 (2) | |
| Pump | Type | | | | Grundfos UPM4 K 20-75 CHBL FS2 | |
| Water side Heat exchanger | Water flow rate | Heating | Nom. | l/min | 21.5 (1) / 22.4 (2) | |
| General | Supplier/ Manufacturer details | Name and address | | | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium | |
| | | Name or trademark | | | Daikin Europe N.V. | |
| | Product description | Air-to-water heat pump | | | Yes | |
| | | Brine-to-water heat pump | | | No | |
| | | Heat pump combination heater | | | Yes | |
| | | Low-temperature heat pump | | | No | |
| | | Supplementary heater integrated | | | No | |
| | | Water-to-water heat pump | | | No | |
| | LW(A) Sound power level (according to EN14825) | dB(A) | | dBA | 39 | |
| LW(A) Sound power level (according to EN14825) | dB(A) | | | dBA | 62 | |
| Sound condition Ecodesign and energy label | | | | | Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825 | |
| Space heating general | Air to water unit | Rated airflow (outdoor) | | $m^3/h$ | 2,770 | |
| | Other | Capacity control | | | Inverter | |
| | | Pck (Crankcase heater mode) | | kW | 0 | |
| | | Poff (Off mode) | | kW | 0.01 | |
| | | Psb (Standby mode) | | kW | 0.01 | |
| | | Pto (Thermostat off) | | kW | 0.01 | |
| Domestic hot water heating | General | Declared load profile | | | L | XL |
| | | Function to fix water heating during off peak hours | | | No | |
| Space heating general | Integrated supplementary heater | Type of energy input | | | Electrical | |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHSHB08P30E + ERGA08EVH7 | EHSHB08P50E + ERGA08EVH7 |
|---|---|---|---|---|---|---|
| Domestic hot water heating | Average climate | AEC (Annual electricity consumption) | | kWh | 867 | 1,336 |
| | | COPdhw | | | 2.8 | 3.06 |
| | | Heat up time | | | 1h 34min | 2h 41min |
| | | Mixed water at 40°C | | l | 140.4 | 227.9 |
| | | ηwh (water heating efficiency) | | % | 118 | 125 |
| | | Qelec (Daily electricity consumption) | | kWh | 4.172 | 6.224 |
| | | Reference hot water temperature | | °C | 44.6 | |
| | | Stand-by power input | | W | 40.4 | 25.3 |
| | | Water heating energy efficiency class | | | A+ | |
| Domestic hot water heating | Cold climate | AEC (Annual electricity consumption) | | kWh | 1,006 | 1,493 |
| | | COPdhw | | | 2.41 | 2.75 |
| | | Mixed water at 40°C | | l | 140 | 227.9 |
| | | ηwh (water heating efficiency) | | % | 102 | 112 |
| | | Qelec (Daily electricity consumption) | | kWh | 4.835 | 6.944 |
| | | Reference hot water temperature | | °C | 44.4 | 44.6 |
| | | Stand-by power input | | W | 46 | 26.7 |
| | Warm climate | AEC (Annual electricity consumption) | | kWh | 716 | 1,186 |
| | | COPdhw | | | 3.38 | 3.45 |
| | | Mixed water at 40°C | | l | 138.1 | 227.9 |
| | | ηwh (water heating efficiency) | | % | 143 | 141 |
| | | Qelec (Daily electricity consumption) | | kWh | 3.447 | 5.531 |
| | | Reference hot water temperature | | °C | 44.4 | 44.6 |
| | | Stand-by power input | | W | 33.9 | 23.7 |
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 4,975 | |
| | | | ηs (Seasonal space heating efficiency) | % | 130 | |
| | | | Prated at -10°C | kW | 8 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 18 | |
| | | | SCOP | | 3.32 | |
| | | | Seasonal space heating eff. class | | A++ | |
| | | A Condition (-7°CD-B/-8°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 1.96 | |
| | | | Pdh | kW | 6.9 | |
| | | | PERd | % | 78.4 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 3.2 | |
| | | | Pdh | kW | 4.4 | |
| | | | PERd | % | 128 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 4.64 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 185.6 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 6.22 | |
| | | | Pdh | kW | 4.1 | |
| | | | PERd | % | 248.8 | |
| | | Tol (temperature operating limit) | COPd | | 1.64 | |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHSHB08P30E + ERGA08EVH7 | EHSHB08P50E + ERGA08EVH7 |
|---|---|---|---|---|---|---|
| Space heating | Average climate water outlet 55°C | Tol (temperature operating limit) | Pdh | kW | 7.1 | |
| | | | PERd | % | 65.6 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 55 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1 | |
| | | Tbiv (bivalent temperature) | COPd | | 1.9 | |
| | | | Pdh | kW | 7.5 | |
| | | | PERd | % | 76 | |
| | | | Tbiv | °C | -8 | |
| | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 6,886 | |
| | | | ηs (Seasonal space heating efficiency) | % | 112 | |
| | | | Prated at -22°C | kW | 8 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 25 | |
| | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 2,702 | |
| | | | ηs (Seasonal space heating efficiency) | % | 157 | |
| | | | Prated at 2°C | kW | 8.1 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 10 | |
| | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 3,625 | |
| | | | ηs (Seasonal space heating efficiency) | % | 179 | |
| | | | Prated at -10°C | kW | 8 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 13 | |
| | | | SCOP | | 4.56 | |
| | | | Seasonal space heating eff. class | | A+++ | |
| | | A Condition (-7°CD-B/-8°CWB) | COPd | | 2.77 | |
| | | | Pdh | kW | 7 | |
| | | | PERd | % | 110.8 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 4.35 | |
| | | | Pdh | kW | 4.2 | |
| | | | PERd | % | 174 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 6.49 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 259.6 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 8.52 | |
| | | | Pdh | kW | 3.9 | |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHSHB08P30E + ERGA08EVH7 | EHSHB08P50E + ERGA08EVH7 |
|---|---|---|---|---|---|---|
| Space heating | Average climate water outlet 35°C | D Condition (12°CD-B/11°CWB) | PERd | % | 340.8 | |
| | | Tol (temperature operating limit) | COPd | | 2.41 | |
| | | | Pdh | kW | 6.9 | |
| | | | PERd | % | 96.4 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 35 | |
| | | Tbiv (bivalent temperature) | COPd | | 2.66 | |
| | | | Pdh | kW | 7.5 | |
| | | | PERd | % | 106.4 | |
| | | | Tbiv | °C | -8 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1.1 | |
| | Cold climate water outlet 35°C | General | Annual energy consumption | kWh | 5,034 | |
| | | | ηs (Seasonal space heating efficiency) | % | 154 | |
| | | | Prated at -22°C | kW | 8 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 18 | |
| | Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,437 | |
| | | | ηs (Seasonal space heating efficiency) | % | 257 | |
| | | | Prated at 2°C | kW | 7 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 5 | |

(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 )

| Technical specifications | | | | | EHSX08P30E + ERGA08EVH7 | EHSX08P50E + ERGA08EVH7 |
|---|---|---|---|---|---|---|
| Indoor unit | | | | | EHSX08P30EF | EHSX08P50EF |
| Outdoor unit | | | | | ERGA08EAV3H7 | |
| Heating capacity | Nom. | | | kW | 7.50 (1) / 7.80 (2) | |
| Cooling capacity | Nom. | | | kW | 6.25 (1) / 5.44 (2) | |
| Power input | Heating | Nom. | | kW | 1.63 (1) / 2.23 (2) | |
| | Cooling | Nom. | | kW | 1.16 (1) / 1.73 (2) | |
| COP | | | | | 4.60 (1) / 3.50 (2) | |
| EER | | | | | 5.40 (1) / 3.14 (2) | |
| Pump | Type | | | | Grundfos UPM4 K 20-75 CHBL FS2 | |
| Water side Heat exchanger | Water flow rate | Cooling | Nom. | l/min | 17.9 (1) / 15.6 (2) | |
| | | Heating | Nom. | l/min | 21.5 (1) / 22.4 (2) | |
| General | Supplier/ Manufacturer details | Name and address | | | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium | |
| | | Name or trademark | | | Daikin Europe N.V. | |
| | Product description | Air-to-water heat pump | | | Yes | |
| | | Brine-to-water heat pump | | | No | |
| | | Heat pump combination heater | | | Yes | |
| | | Low-temperature heat pump | | | No | |
| | | Supplementary heater integrated | | | No | |
| | | Water-to-water heat pump | | | No | |
| | LW(A) Sound power level (according to EN14825) | dB(A) | | dBA | 39 | |
| LW(A) Sound power level (according to EN14825) | dB(A) | | | dBA | 62 | |
| Sound condition Ecodesign and energy label | | | | | Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825 | |
| Space heating general | Air to water unit | Rated airflow (outdoor) | | $m^3/h$ | 2,770 | |
| | Other | Capacity control | | | Inverter | |
| | | Pck (Crankcase heater mode) | | kW | 0 | |
| | | Poff (Off mode) | | kW | 0.01 | |
| | | Psb (Standby mode) | | kW | 0.01 | |
| | | Pto (Thermostat off) | | kW | 0.01 | |
| Domestic hot water heating | General | Declared load profile | | | L | XL |
| | | Function to fix water heating during off peak hours | | | No | |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHSX08P30E + ERGA08EVH7 | EHSX08P50E + ERGA08EVH7 |
|---|---|---|---|---|---|---|
| Space heating general | Integrated supplementary heater | Type of energy input | | | Electrical | |
| Domestic hot water heating | Average climate | AEC (Annual electricity consumption) | | kWh | 867 | 1,336 |
| | | COPdhw | | | 2.8 | 3.06 |
| | | Heat up time | | | 1h 34min | 2h 41min |
| | | Mixed water at 40°C | | l | 140.4 | 227.9 |
| | | ηwh (water heating efficiency) | | % | 118 | 125 |
| Domestic hot water heating | Average climate | Qelec (Daily electricity consumption) | | kWh | 4.172 | 6.224 |
| | | Reference hot water temperature | | °C | 44.6 | |
| | | Stand-by power input | | W | 40.4 | 25.3 |
| | | Water heating energy efficiency class | | | A+ | |
| | Cold climate | AEC (Annual electricity consumption) | | kWh | 1,006 | 1,493 |
| | | COPdhw | | | 2.41 | 2.75 |
| | | Mixed water at 40°C | | l | 140 | 227.9 |
| | | ηwh (water heating efficiency) | | % | 102 | 112 |
| | | Qelec (Daily electricity consumption) | | kWh | 4.835 | 6.944 |
| | | Reference hot water temperature | | °C | 44.4 | 44.6 |
| | | Stand-by power input | | W | 46 | 26.7 |
| | Warm climate | AEC (Annual electricity consumption) | | kWh | 716 | 1,186 |
| | | COPdhw | | | 3.38 | 3.45 |
| | | Mixed water at 40°C | | l | 138.1 | 227.9 |
| | | ηwh (water heating efficiency) | | % | 143 | 141 |
| | | Qelec (Daily electricity consumption) | | kWh | 3.447 | 5.531 |
| | | Reference hot water temperature | | °C | 44.4 | 44.6 |
| | | Stand-by power input | | W | 33.9 | 23.7 |
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 4,939 | |
| | | | ηs (Seasonal space heating efficiency) | % | 131 | |
| | | | Prated at -10°C | kW | 8 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 18 | |
| | | | SCOP | | 3.35 | |
| | | | Seasonal space heating eff. class | | A++ | |
| | | A Condition (-7°CD-B/-8°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 1.96 | |
| | | | Pdh | kW | 6.9 | |
| | | | PERd | % | 78.4 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 3.2 | |
| | | | Pdh | kW | 4.4 | |
| | | | PERd | % | 128 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 4.64 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 185.6 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1 | |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHSX08P30E + ERGA08EVH7 | EHSX08P50E + ERGA08EVH7 |
|---|---|---|---|---|---|---|
| Space heating | Average climate water outlet 55°C | D Condition (12°CD-B/11°CWB) | COPd | | 6.22 | |
| | | | Pdh | kW | 4.1 | |
| | | | PERd | % | 248.8 | |
| | | Tol (temperature operating limit) | COPd | | 1.64 | |
| | | | Pdh | kW | 7.1 | |
| | | | PERd | % | 65.6 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 55 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1 | |
| | | Tbiv (bivalent temperature) | COPd | | 1.9 | |
| | | | Pdh | kW | 7.5 | |
| | | | PERd | % | 76 | |
| | | | Tbiv | °C | -8 | |
| | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 6,864 | |
| | | | ηs (Seasonal space heating efficiency) | % | 112 | |
| | | | Prated at -22°C | kW | 8 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 25 | |
| | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 2,658 | |
| | | | ηs (Seasonal space heating efficiency) | % | 159 | |
| | | | Prated at 2°C | kW | 8.1 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 10 | |
| | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 3,588 | |
| | | | ηs (Seasonal space heating efficiency) | % | 181 | |
| | | | Prated at -10°C | kW | 8 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 13 | |
| | | | SCOP | | 4.61 | |
| | | | Seasonal space heating eff. class | | A+++ | |
| | | A Condition (-7°CD-B/-8°CWB) | COPd | | 2.77 | |
| | | | Pdh | kW | 7 | |
| | | | PERd | % | 110.8 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 4.35 | |
| | | | Pdh | kW | 4.2 | |
| | | | PERd | % | 174 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 6.49 | |
| | | | Pdh | kW | 3.3 | |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHSX08P30E + ERGA08EVH7 | EHSX08P50E + ERGA08EVH7 |
|---|---|---|---|---|---|---|
| Space heating | Average climate water outlet 35°C | C Condition (7°CD-B/6°CWB) | PERd | % | 259.6 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 8.52 | |
| | | | Pdh | kW | 3.9 | |
| | | | PERd | % | 340.8 | |
| | | Tol (temperature operating limit) | COPd | | 2.41 | |
| | | | Pdh | kW | 6.9 | |
| | | | PERd | % | 96.4 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 35 | |
| | | Tbiv (bivalent temperature) | COPd | | 2.66 | |
| | | | Pdh | kW | 7.5 | |
| | | | PERd | % | 106.4 | |
| | | | Tbiv | °C | -8 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1.1 | |
| | Cold climate water outlet 35°C | General | Annual energy consumption | kWh | 5,012 | |
| | | | ηs (Seasonal space heating efficiency) | % | 154 | |
| | | | Prated at -22°C | kW | 8 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 18 | |
| | Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,393 | |
| | | | ηs (Seasonal space heating efficiency) | % | 266 | |
| | | | Prated at 2°C | kW | 7 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 5 | |

(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 )

| Technical specifications | | | | | EHSXB08P30E + ERGA08EVH7 | EHSXB08P50E + ERGA08EVH7 |
|---|---|---|---|---|---|---|
| Indoor unit | | | | | EHSXB08P30EF | EHSXB08P50EF |
| Outdoor unit | | | | | ERGA08EAV3H7 | |
| Heating capacity | Nom. | | | kW | 7.50 (1) / 7.80 (2) | |
| Cooling capacity | Nom. | | | kW | 6.25 (1) / 5.44 (2) | |
| Power input | Heating | Nom. | | kW | 1.63 (1) / 2.23 (2) | |
| | Cooling | Nom. | | kW | 1.16 (1) / 1.73 (2) | |
| COP | | | | | 4.60 (1) / 3.50 (2) | |
| EER | | | | | 5.40 (1) / 3.14 (2) | |
| Pump | Type | | | | Grundfos UPM4 K 20-75 CHBL FS2 | |
| Water side Heat exchanger | Water flow rate | Cooling | Nom. | l/min | 17.9 (1) / 15.6 (2) | |
| | | Heating | Nom. | l/min | 21.5 (1) / 22.4 (2) | |
| General | Supplier/ Manufacturer details | Name and address | | | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium | |
| | | Name or trademark | | | Daikin Europe N.V. | |
| | Product description | Air-to-water heat pump | | | Yes | |
| | | Brine-to-water heat pump | | | No | |
| | | Heat pump combination heater | | | Yes | |
| | | Low-temperature heat pump | | | No | |
| | | Supplementary heater integrated | | | No | |
| | | Water-to-water heat pump | | | No | |
| | LW(A) Sound power level (according to EN14825) | dB(A) | | dBA | 39 | |
| LW(A) Sound power level (according to EN14825) | dB(A) | | | dBA | 62 | |
| Sound condition Ecodesign and energy label | | | | | Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825 | |
| Space heating general | Air to water unit | Rated airflow (outdoor) | | $m^3/h$ | 2,770 | |
| | Other | Capacity control | | | Inverter | |
| | | Pck (Crankcase heater mode) | | kW | 0 | |
| | | Poff (Off mode) | | kW | 0.01 | |
| | | Psb (Standby mode) | | kW | 0.01 | |
| | | Pto (Thermostat off) | | kW | 0.01 | |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHSXB08P30E + ERGA08EVH7 | EHSXB08P50E + ERGA08EVH7 |
|---|---|---|---|---|---|---|
| Domestic hot water heating | General | Declared load profile | | | L | XL |
| | | Function to fix water heating during off peak hours | | | No | |
| Space heating general | Integrated supplementary heater | Type of energy input | | | Electrical | |
| Domestic hot water heating | Average climate | AEC (Annual electricity consumption) | | kWh | 867 | 1,336 |
| | | COPdhw | | | 2.8 | 3.06 |
| | | Heat up time | | | 1h 34min | 2h 41min |
| | | Mixed water at 40°C | | l | 140.4 | 227.9 |
| | | ηwh (water heating efficiency) | | % | 118 | 125 |
| Domestic hot water heating | Average climate | Qelec (Daily electricity consumption) | | kWh | 4.172 | 6.224 |
| | | Reference hot water temperature | | °C | 44.6 | |
| | | Stand-by power input | | W | 40.4 | 25.3 |
| | | Water heating energy efficiency class | | | A+ | |
| | Cold climate | AEC (Annual electricity consumption) | | kWh | 1,006 | 1,493 |
| | | COPdhw | | | 2.41 | 2.75 |
| | | Mixed water at 40°C | | l | 140 | 227.9 |
| | | ηwh (water heating efficiency) | | % | 102 | 112 |
| | | Qelec (Daily electricity consumption) | | kWh | 4.835 | 6.944 |
| | | Reference hot water temperature | | °C | 44.4 | 44.6 |
| | | Stand-by power input | | W | 46 | 26.7 |
| | Warm climate | AEC (Annual electricity consumption) | | kWh | 716 | 1,186 |
| | | COPdhw | | | 3.38 | 3.45 |
| | | Mixed water at 40°C | | l | 138.1 | 227.9 |
| | | ηwh (water heating efficiency) | | % | 143 | 141 |
| | | Qelec (Daily electricity consumption) | | kWh | 3.447 | 5.531 |
| | | Reference hot water temperature | | °C | 44.4 | 44.6 |
| | | Stand-by power input | | W | 33.9 | 23.7 |
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 4,939 | |
| | | | ηs (Seasonal space heating efficiency) | % | 131 | |
| | | | Prated at -10°C | kW | 8 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 18 | |
| | | | SCOP | | 3.35 | |
| | | | Seasonal space heating eff. class | | A++ | |
| | | A Condition (-7°CD-B/-8°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 1.96 | |
| | | | Pdh | kW | 6.9 | |
| | | | PERd | % | 78.4 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 3.2 | |
| | | | Pdh | kW | 4.4 | |
| | | | PERd | % | 128 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 4.64 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 185.6 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1 | |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHSXB08P30E + ERGA08EVH7 | EHSXB08P50E + ERGA08EVH7 |
|---|---|---|---|---|---|---|
| Space heating | Average climate water outlet 55°C | D Condition (12°CD-B/11°CWB) | COPd | | 6.22 | |
| | | | Pdh | kW | 4.1 | |
| | | | PERd | % | 248.8 | |
| | | Tol (temperature operating limit) | COPd | | 1.64 | |
| | | | Pdh | kW | 7.1 | |
| | | | PERd | % | 65.6 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 55 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1 | |
| | | Tbiv (bivalent temperature) | COPd | | 1.9 | |
| | | | Pdh | kW | 7.5 | |
| | | | PERd | % | 76 | |
| | | | Tbiv | °C | -8 | |
| | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 6,864 | |
| | | | ηs (Seasonal space heating efficiency) | % | 112 | |
| | | | Prated at -22°C | kW | 8 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 25 | |
| | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 2,658 | |
| | | | ηs (Seasonal space heating efficiency) | % | 160 | |
| | | | Prated at 2°C | kW | 8.1 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 10 | |
| | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 3,588 | |
| | | | ηs (Seasonal space heating efficiency) | % | 181 | |
| | | | Prated at -10°C | kW | 8 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 13 | |
| | | | SCOP | | 4.61 | |
| | | | Seasonal space heating eff. class | | A+++ | |
| | | A Condition (-7°CD-B/-8°CWB) | COPd | | 2.77 | |
| | | | Pdh | kW | 7 | |
| | | | PERd | % | 110.8 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 4.35 | |
| | | | Pdh | kW | 4.2 | |
| | | | PERd | % | 174 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 6.49 | |
| | | | Pdh | kW | 3.3 | |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHSXB08P30E + ERGA08EVH7 | EHSXB08P50E + ERGA08EVH7 |
|---|---|---|---|---|---|---|
| Space heating | Average climate water outlet 35°C | C Condition (7°CD-B/6°CWB) | PERd | % | 259.6 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1 | |
| | | | COPd | | 8.52 | |
| | | | Pdh | kW | 3.9 | |
| | | | PERd | % | 340.8 | |
| | | Tol (temperature operating limit) | COPd | | 2.41 | |
| | | | Pdh | kW | 6.9 | |
| | | | PERd | % | 96.4 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 35 | |
| | | Tbiv (bivalent temperature) | COPd | | 2.66 | |
| | | | Pdh | kW | 7.5 | |
| | | | PERd | % | 106.4 | |
| | | | Tbiv | °C | -8 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1.1 | |
| | Cold climate water outlet 35°C | General | Annual energy consumption | kWh | 5,012 | |
| | | | ηs (Seasonal space heating efficiency) | % | 154 | |
| | | | Prated at -22°C | kW | 8 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 18 | |
| | Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,393 | |
| | | | ηs (Seasonal space heating efficiency) | % | 266 | |
| | | | Prated at 2°C | kW | 7 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 5 | |

(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 )

| Technical specifications | | | | | EHVH08S18E6V + ERGA08EVH7 | EHVH08S23E6V + ERGA08EVH7 |
|---|---|---|---|---|---|---|
| Heating capacity | Nom. | | | kW | 7.5 (1) / 7.8 (2) | |
| Power input | Heating | Nom. | | kW | 1.63 (1) / 2.23 (2) | |
| | Domestic hot water from 10°C to 50°C | Nom. | | kWh | 2.48 | 3.01 |
| Heat up time from 10°C to 50°C | | | | hr | 1h28min | 1h40min |
| COP | | | | | 4.6 (1) / 3.5 (2) | |
| Pump | Nominal ESP unit | Heating | | kPa | 43.3 (1) / 41.2 (2) | |
| Water side Heat exchanger | Water flow rate | Heating | Nom. | l/min | 21.5 (1) / 22.4 (2) | |
| General | Supplier/ Manufacturer details | Name and address | | | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium | |
| | | Name or trademark | | | Daikin Europe N.V. | |
| | Product description | Air-to-water heat pump | | | Yes | |
| | | Brine-to-water heat pump | | | No | |
| | | Heat pump combination heater | | | Yes | |
| | | Low-temperature heat pump | | | No | |
| | | Supplementary heater integrated | | | Yes | |
| | | Water-to-water heat pump | | | No | |
| | LW(A) Sound power level (according to EN14825) | dB(A) | | dBA | 42 | |
| LW(A) Sound power level (according to EN14825) | dB(A) | | | dBA | 62 | |
| Sound condition Ecodesign and energy label | | | | | Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825 | |
| Space heating general | Air to water unit | Rated airflow (outdoor) | | $m^3/h$ | 2,770.0 | |
| | Other | Capacity control | | | Inverter | |
| | | Pck (Crankcase heater mode) | | kW | 0.0 | |
| | | Poff (Off mode) | | kW | 0.01 | |
| | | Psb (Standby mode) | | kW | 0.01 | |
| | | Pto (Thermostat off) | | kW | 0.01 | |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHVH08S18E6V + ERGA08EVH7 | EHVH08S23E6V + ERGA08EVH7 |
|---|---|---|---|---|---|---|
| Domestic hot water heating | General | Declared load profile | | | L | XL |
| | | Function to fix water heating during off peak hours | | | No | |
| Space heating general | Integrated supplementary heater | Psup | | kW | 6.0 | |
| | | Type of energy input | | | Electrical | |
| Domestic hot water heating | Average climate | AEC (Annual electricity consumption) | | kWh | 820 | 1,267 |
| | | ηwh (water heating efficiency) | | % | 125 | 133 |
| | | Qelec (Daily electricity consumption) | | kWh | 3.87 | 5.9 |
| | | Water heating energy efficiency class | | | A+ | |
| | Cold climate | AEC (Annual electricity consumption) | | kWh | 951 | 1,475 |
| | | ηwh (water heating efficiency) | | % | 107 | 114 |
| | | Qelec (Daily electricity consumption) | | kWh | 4.48 | 6.86 |
| | Warm climate | AEC (Annual electricity consumption) | | kWh | 680 | 1,046 |
| Domestic hot water heating | Warm climate | ηwh (water heating efficiency) | | % | 151 | 161 |
| | | Qelec (Daily electricity consumption) | | kWh | 3.22 | 4.88 |
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 4,975 | |
| | | | ηs (Seasonal space heating efficiency) | % | 130 | |
| | | | Prated at -10°C | kW | 8.0 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 17.9 | |
| | | | SCOP | | 3.32 | |
| | | | Seasonal space heating eff. class | | A++ | |
| | | A Condition (-7°CD-B/-8°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 1.96 | |
| | | | Pdh | kW | 6.9 | |
| | | | PERd | % | 78 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 3.2 | |
| | | | Pdh | kW | 4.4 | |
| | | | PERd | % | 128 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 4.64 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 186 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 6.22 | |
| | | | Pdh | kW | 4.1 | |
| | | | PERd | % | 249 | |
| | | Tol (temperature operating limit) | COPd | | 1.64 | |
| | | | Pdh | kW | 7.1 | |
| | | | PERd | % | 66 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 55 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 0.9 | |
| | | Tbiv (bivalent temperature) | COPd | | 1.9 | |
| | | | Pdh | kW | 7.5 | |
| | | | PERd | % | 76 | |
| | | | Tbiv | °C | -8 | |
| | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 6,886 | |
| | | | ηs (Seasonal space heating efficiency) | % | 112 | |
| | | | Prated at -22°C | kW | 8.0 | |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHVH08S18E6V + ERGA08EVH7 | EHVH08S23E6V + ERGA08EVH7 |
|---|---|---|---|---|---|---|
| Space heating | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 2,702 | |
| | | | ηs (Seasonal space heating efficiency) | % | 157 | |
| | | | Prated at 2°C | kW | 8.1 | |
| | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 3,625 | |
| | | | ηs (Seasonal space heating efficiency) | % | 179 | |
| | | | Prated at -10°C | kW | 8.0 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 13.1 | |
| | | | SCOP | | 4.56 | |
| | | | Seasonal space heating eff. class | | A+++ | |
| | | A Condition (-7°CD-B/-8°CWB) | COPd | | 2.77 | |
| | | | Pdh | kW | 7.0 | |
| | | | PERd | % | 111 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 4.35 | |
| | | | Pdh | kW | 4.2 | |
| | | | PERd | % | 174 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 6.49 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 260 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 8.52 | |
| | | | Pdh | kW | 3.9 | |
| | | | PERd | % | 341 | |
| | | Tol (temperature operating limit) | COPd | | 2.41 | |
| | | | Pdh | kW | 6.9 | |
| | | | PERd | % | 96 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 35 | |
| | | Tbiv (bivalent temperature) | COPd | | 2.66 | |
| | | | Pdh | kW | 7.5 | |
| | | | PERd | % | 106 | |
| | | | Tbiv | °C | -8 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1.1 | |
| | Cold climate water outlet 35°C | General | Annual energy consumption | kWh | 5,034 | |
| | | | ηs (Seasonal space heating efficiency) | % | 154 | |
| | | | Prated at -22°C | kW | 8.0 | |
| Space heating | Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,437 | |
| | | | ηs (Seasonal space heating efficiency) | % | 257 | |
| | | | Prated at 2°C | kW | 7.0 | |

(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 )

| Technical specifications | | | | | EHVH08S18E9W + ERGA08EVH7 | EHVH08S23E9W + ERGA08EVH7 |
|---|---|---|---|---|---|---|
| Heating capacity | Nom. | | | kW | 7.5 (1) / 7.8 (2) | |
| Power input | Heating | Nom. | | kW | 1.63 (1) / 2.23 (2) | |
| | Domestic hot water from 10°C to 50°C | Nom. | | kWh | 2.48 | 3.01 |
| Heat up time from 10°C to 50°C | | | | hr | 1h28min | 1h40min |
| COP | | | | | 4.6 (1) / 3.5 (2) | |
| Pump | Nominal ESP unit | Heating | | kPa | 43.3 (1) / 41.2 (2) | |
| Water side Heat exchanger | Water flow rate | Heating | Nom. | l/min | 21.5 (1) / 22.4 (2) | |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | EHVH08S18E9W + ERGA08EVH7 | EHVH08S23E9W + ERGA08EVH7 |
|---|---|---|---|---|---|
| General | Supplier/ Manufacturer details | Name and address | | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium | |
| | | Name or trademark | | Daikin Europe N.V. | |
| | Product description | Air-to-water heat pump | | Yes | |
| | | Brine-to-water heat pump | | No | |
| | | Heat pump combination heater | | Yes | |
| | | Low-temperature heat pump | | No | |
| | | Supplementary heater integrated | | Yes | |
| | | Water-to-water heat pump | | No | |
| | LW(A) Sound power level (according to EN14825) | dB(A) | dBA | 42 | |
| LW(A) Sound power level (according to EN14825) | dB(A) | | dBA | 62 | |
| Sound condition Ecodesign and energy label | | | | Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825 | |
| Space heating general | Air to water unit | Rated airflow (outdoor) | $m^3/h$ | 2,770.0 | |
| | Other | Capacity control | | Inverter | |
| | | Pck (Crankcase heater mode) | kW | 0.0 | |
| | | Poff (Off mode) | kW | 0.01 | |
| | | Psb (Standby mode) | kW | 0.01 | |
| | | Pto (Thermostat off) | kW | 0.01 | |
| Domestic hot water heating | General | Declared load profile | | L | XL |
| | | Function to fix water heating during off peak hours | | No | |
| Space heating general | Integrated supplementary heater | Psup | kW | 9.0 | |
| | | Type of energy input | | Electrical | |
| Domestic hot water heating | Average climate | AEC (Annual electricity consumption) | kWh | 820 | 1,267 |
| | | ηwh (water heating efficiency) | % | 125 | 133 |
| | | Qelec (Daily electricity consumption) | kWh | 3.87 | 5.9 |
| | | Water heating energy efficiency class | | A+ | |
| | Cold climate | AEC (Annual electricity consumption) | kWh | 951 | 1,475 |
| | | ηwh (water heating efficiency) | % | 107 | 114 |
| | | Qelec (Daily electricity consumption) | kWh | 4.48 | 6.86 |
| | Warm climate | AEC (Annual electricity consumption) | kWh | 680 | 1,046 |
| Domestic hot water heating | Warm climate | ηwh (water heating efficiency) | % | 151 | 161 |
| | | Qelec (Daily electricity consumption) | kWh | 3.22 | 4.88 |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHVH08S18E9W + ERGA08EVH7 | EHVH08S23E9W + ERGA08EVH7 |
|---|---|---|---|---|---|---|
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 4,975 | |
| | | | ηs (Seasonal space heating efficiency) | % | 130 | |
| | | | Prated at -10°C | kW | 8.0 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 17.9 | |
| | | | SCOP | | 3.32 | |
| | | | Seasonal space heating eff. class | | A++ | |
| | | A Condition (-7°CD-B/-8°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 1.96 | |
| | | | Pdh | kW | 6.9 | |
| | | | PERd | % | 78 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 3.2 | |
| | | | Pdh | kW | 4.4 | |
| | | | PERd | % | 128 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 4.64 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 186 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 6.22 | |
| | | | Pdh | kW | 4.1 | |
| | | | PERd | % | 249 | |
| | | Tol (temperature operating limit) | COPd | | 1.64 | |
| | | | Pdh | kW | 7.1 | |
| | | | PERd | % | 66 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 55 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 0.9 | |
| | | Tbiv (bivalent temperature) | COPd | | 1.9 | |
| | | | Pdh | kW | 7.5 | |
| | | | PERd | % | 76 | |
| | | | Tbiv | °C | -8 | |
| | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 6,886 | |
| | | | ηs (Seasonal space heating efficiency) | % | 112 | |
| | | | Prated at -22°C | kW | 8.0 | |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHVH08S18E9W + ERGA08EVH7 | EHVH08S23E9W + ERGA08EVH7 |
|---|---|---|---|---|---|---|
| Space heating | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 2,702 | |
| | | | ηs (Seasonal space heating efficiency) | % | 157 | |
| | | | Prated at 2°C | kW | 8.1 | |
| | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 3,625 | |
| | | | ηs (Seasonal space heating efficiency) | % | 179 | |
| | | | Prated at -10°C | kW | 8.0 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 13.1 | |
| | | | SCOP | | 4.56 | |
| | | | Seasonal space heating eff. class | | A+++ | |
| | | A Condition (-7°CD-B/-8°CWB) | COPd | | 2.77 | |
| | | | Pdh | kW | 7.0 | |
| | | | PERd | % | 111 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 4.35 | |
| | | | Pdh | kW | 4.2 | |
| | | | PERd | % | 174 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 6.49 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 260 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 8.52 | |
| | | | Pdh | kW | 3.9 | |
| | | | PERd | % | 341 | |
| | | Tol (temperature operating limit) | COPd | | 2.41 | |
| | | | Pdh | kW | 6.9 | |
| | | | PERd | % | 96 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 35 | |
| | | Tbiv (bivalent temperature) | COPd | | 2.66 | |
| | | | Pdh | kW | 7.5 | |
| | | | PERd | % | 106 | |
| | | | Tbiv | °C | -8 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1.1 | |
| | Cold climate water outlet 35°C | General | Annual energy consumption | kWh | 5,034 | |
| | | | ηs (Seasonal space heating efficiency) | % | 154 | |
| | | | Prated at -22°C | kW | 8.0 | |
| Space heating | Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,437 | |
| | | | ηs (Seasonal space heating efficiency) | % | 257 | |
| | | | Prated at 2°C | kW | 7.0 | |

(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 )

| Technical specifications | | | | EHVX08S18E6V + ERGA08EVH7 | EHVX08S23E6V + ERGA08EVH7 |
|---|---|---|---|---|---|
| Heating capacity | Nom. | | kW | 7.5 (1) / 7.8 (2) | |
| Cooling capacity | Nom. | | kW | 6.25 (1) / 5.44 (2) | |
| Power input | Heating | Nom. | kW | 1.63 (1) / 2.23 (2) | |
| | Cooling | Nom. | kW | 1.16 (1) / 1.73 (2) | |
| | Domestic hot water from 10°C to 50°C | Nom. | kWh | 2.48 | 3.01 |
| Heat up time from 10°C to 50°C | | | hr | 1h28min | 1h40min |
| COP | | | | 4.6 (1) / 3.5 (2) | |
| EER | | | | 5.4 (1) / 3.14 (2) | |
| Pump | Nominal ESP unit | Cooling | kPa | 51.1 (1) / 55.1 (2) | |
| | | Heating | kPa | 43.3 (1) / 41.2 (2) | |
| Water side Heat exchanger | Water flow rate | Cooling Nom. | l/min | 17.9 (1) / 15.6 (2) | |
| | | Heating Nom. | l/min | 21.5 (1) / 22.4 (2) | |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | EHVX08S18E6V + ERGA08EVH7 | EHVX08S23E6V + ERGA08EVH7 |
|---|---|---|---|---|---|
| General | Supplier/ Manufacturer details | Name and address | | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium | |
| | | Name or trademark | | Daikin Europe N.V. | |
| | Product description | Air-to-water heat pump | | Yes | |
| | | Brine-to-water heat pump | | No | |
| | | Heat pump combination heater | | Yes | |
| | | Low-temperature heat pump | | No | |
| | | Supplementary heater integrated | | Yes | |
| | | Water-to-water heat pump | | No | |
| | LW(A) Sound power level (according to EN14825) | dB(A) | dBA | 42 | |
| LW(A) Sound power level (according to EN14825) | dB(A) | | dBA | 62 | |
| Sound condition Ecodesign and energy label | | | | Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825 | |
| Space heating general | Air to water unit | Rated airflow (outdoor) | $m^3/h$ | 2,770.0 | |
| | Other | Capacity control | | Inverter | |
| | | Pck (Crankcase heater mode) | kW | 0.0 | |
| | | Poff (Off mode) | kW | 0.01 | |
| | | Psb (Standby mode) | kW | 0.01 | |
| | | Pto (Thermostat off) | kW | 0.01 | |
| Domestic hot water heating | General | Declared load profile | | L | XL |
| | | Function to fix water heating during off peak hours | | No | |
| Space heating general | Integrated supplementary heater | Psup | kW | 6.0 | |
| | | Type of energy input | | Electrical | |
| Domestic hot water heating | Average climate | AEC (Annual electricity consumption) | kWh | 820 | 1,267 |
| | | ηwh (water heating efficiency) | % | 125 | 133 |
| | | Qelec (Daily electricity consumption) | kWh | 3.87 | 5.9 |
| Domestic hot water heating | Average climate | Water heating energy efficiency class | | A+ | |
| | Cold climate | AEC (Annual electricity consumption) | kWh | 951 | 1,475 |
| | | ηwh (water heating efficiency) | % | 107 | 114 |
| | | Qelec (Daily electricity consumption) | kWh | 4.48 | 6.86 |
| | Warm climate | AEC (Annual electricity consumption) | kWh | 680 | 1,046 |
| | | ηwh (water heating efficiency) | % | 151 | 161 |
| | | Qelec (Daily electricity consumption) | kWh | 3.22 | 4.88 |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHVX08S18E6V + ERGA08EVH7 | EHVX08S23E6V + ERGA08EVH7 |
|---|---|---|---|---|---|---|
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 4,939 | |
| | | | ηs (Seasonal space heating efficiency) | % | 131 | |
| | | | Prated at -10°C | kW | 8.0 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 17.8 | |
| | | | SCOP | | 3.35 | |
| | | | Seasonal space heating eff. class | | A++ | |
| | | A Condition (-7°CD-B/-8°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 1.96 | |
| | | | Pdh | kW | 6.9 | |
| | | | PERd | % | 78 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 3.2 | |
| | | | Pdh | kW | 4.4 | |
| | | | PERd | % | 128 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 4.64 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 186 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 6.22 | |
| | | | Pdh | kW | 4.1 | |
| | | | PERd | % | 249 | |
| | | Tol (temperature operating limit) | COPd | | 1.64 | |
| | | | Pdh | kW | 7.1 | |
| | | | PERd | % | 66 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 55 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 0.9 | |
| | | Tbiv (bivalent | COPd | | 1.9 | |
| | | | Pdh | kW | 7.5 | |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHVX08S18E6V + ERGA08EVH7 | EHVX08S23E6V + ERGA08EVH7 |
|---|---|---|---|---|---|---|
| Space heating | Average climate water outlet 55°C | Tbiv (bivalent temperature) | PERd | % | 76 | |
| | | | Tbiv | °C | -8 | |
| | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 6,864 | |
| | | | ηs (Seasonal space heating efficiency) | % | 112 | |
| | | | Prated at -22°C | kW | 8.0 | |
| | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 2,658 | |
| | | | ηs (Seasonal space heating efficiency) | % | 160 | |
| | | | Prated at 2°C | kW | 8.1 | |
| | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 3,588 | |
| | | | ηs (Seasonal space heating efficiency) | % | 181 | |
| | | | Prated at -10°C | kW | 8.0 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 12.9 | |
| | | | SCOP | | 4.61 | |
| | | | Seasonal space heating eff. class | | A+++ | |
| | | A Condition (-7°CD-B/-8°CWB) | COPd | | 2.77 | |
| | | | Pdh | kW | 7.0 | |
| | | | PERd | % | 111 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 4.35 | |
| | | | Pdh | kW | 4.2 | |
| | | | PERd | % | 174 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 6.49 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 260 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 8.52 | |
| | | | Pdh | kW | 3.9 | |
| | | | PERd | % | 341 | |
| | | Tol (temperature operating limit) | COPd | | 2.41 | |
| | | | Pdh | kW | 6.9 | |
| | | | PERd | % | 96 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 35 | |
| | | Tbiv (bivalent tempera- | COPd | | 2.66 | |
| | | | Pdh | kW | 7.5 | |
| | | | PERd | % | 106 | |
| Space heating | Average climate water outlet 35°C | Tbiv (bivalent temperature) | Tbiv | °C | -8 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1.1 | |
| | Cold climate water outlet 35°C | General | Annual energy consumption | kWh | 5,012 | |
| | | | ηs (Seasonal space heating efficiency) | % | 154 | |
| | | | Prated at -22°C | kW | 8.0 | |
| | Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,393 | |
| | | | ηs (Seasonal space heating efficiency) | % | 266 | |
| | | | Prated at 2°C | kW | 7.0 | |

(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 )

| Technical specifications | | | EHVX08S18E9W + ERGA08EVH7 | EHVX08S23E9W + ERGA08EVH7 |
|---|---|---|---|---|
| Heating capacity | Nom. | kW | 7.5 (1) / 7.8 (2) | |
| Cooling capacity | Nom. | kW | 6.25 (1) / 5.44 (2) | |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHVX08S18E9W + ERGA08EVH7 | EHVX08S23E9W + ERGA08EVH7 |
|---|---|---|---|---|---|---|
| Power input | Heating | Nom. | | kW | 1.63 (1) / 2.23 (2) | |
| | Cooling | Nom. | | kW | 1.16 (1) / 1.73 (2) | |
| | Domestic hot water from 10°C to 50°C | Nom. | | kWh | 2.48 | 3.01 |
| Heat up time from 10°C to 50°C | | | | hr | 1h28min | 1h40min |
| COP | | | | | 4.6 (1) / 3.5 (2) | |
| EER | | | | | 5.4 (1) / 3.14 (2) | |
| Pump | Nominal ESP unit | Cooling | | kPa | 51.1 (1) / 55.1 (2) | |
| | | Heating | | kPa | 43.3 (1) / 41.2 (2) | |
| Water side Heat exchanger | Water flow rate | Cooling | Nom. | l/min | 17.9 (1) / 15.6 (2) | |
| | | Heating | Nom. | l/min | 21.5 (1) / 22.4 (2) | |
| General | Supplier/ Manufacturer details | Name and address | | | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium | |
| | | Name or trademark | | | Daikin Europe N.V. | |
| | Product description | Air-to-water heat pump | | | Yes | |
| | | Brine-to-water heat pump | | | No | |
| | | Heat pump combination heater | | | Yes | |
| | | Low-temperature heat pump | | | No | |
| | | Supplementary heater integrated | | | Yes | |
| | | Water-to-water heat pump | | | No | |
| | LW(A) Sound power level (according to EN14825) | dB(A) | | dBA | 42 | |
| LW(A) Sound power level (according to EN14825) | dB(A) | | | dBA | 62 | |
| Sound condition Ecodesign and energy label | | | | | Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825 | |
| Space heating general | Air to water unit | Rated airflow (outdoor) | | $m^3/h$ | 2,770.0 | |
| | Other | Capacity control | | | Inverter | |
| | | Pck (Crankcase heater mode) | | kW | 0.0 | |
| | | Poff (Off mode) | | kW | 0.01 | |
| | | Psb (Standby mode) | | kW | 0.01 | |
| | | Pto (Thermostat off) | | kW | 0.01 | |
| Domestic hot water heating | General | Declared load profile | | | L | XL |
| | | Function to fix water heating during off peak hours | | | No | |
| Space heating general | Integrated supplementary heater | Psup | | kW | 9.0 | |
| | | Type of energy input | | | Electrical | |
| Domestic hot water heating | Average climate | AEC (Annual electricity consumption) | | kWh | 820 | 1,267 |
| | | ηwh (water heating efficiency) | | % | 125 | 133 |
| | | Qelec (Daily electricity consumption) | | kWh | 3.87 | 5.9 |
| Domestic hot water heating | Average climate | Water heating energy efficiency class | | | A+ | |
| | Cold climate | AEC (Annual electricity consumption) | | kWh | 951 | 1,475 |
| | | ηwh (water heating efficiency) | | % | 107 | 114 |
| | | Qelec (Daily electricity consumption) | | kWh | 4.48 | 6.86 |
| | Warm climate | AEC (Annual electricity consumption) | | kWh | 680 | 1,046 |
| | | ηwh (water heating efficiency) | | % | 151 | 161 |
| | | Qelec (Daily electricity consumption) | | kWh | 3.22 | 4.88 |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHVX08S18E9W + ERGA08EVH7 | EHVX08S23E9W + ERGA08EVH7 |
|---|---|---|---|---|---|---|
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 4,939 | |
| | | | ηs (Seasonal space heating efficiency) | % | 131 | |
| | | | Prated at -10°C | kW | 8.0 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 17.8 | |
| | | | SCOP | | 3.35 | |
| | | | Seasonal space heating eff. class | | A++ | |
| | | A Condition (-7°CD-B/-8°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 1.96 | |
| | | | Pdh | kW | 6.9 | |
| | | | PERd | % | 78 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 3.2 | |
| | | | Pdh | kW | 4.4 | |
| | | | PERd | % | 128 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 4.64 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 186 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 6.22 | |
| | | | Pdh | kW | 4.1 | |
| | | | PERd | % | 249 | |
| | | Tol (temperature operating limit) | COPd | | 1.64 | |
| | | | Pdh | kW | 7.1 | |
| | | | PERd | % | 66 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 55 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 0.9 | |
| | | Tbiv (bivalent | COPd | | 1.9 | |
| | | | Pdh | kW | 7.5 | |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHVX08S18E9W + ERGA08EVH7 | EHVX08S23E9W + ERGA08EVH7 |
|---|---|---|---|---|---|---|
| Space heating | Average climate water outlet 55°C | Tbiv (bivalent temperature) | PERd | % | 76 | |
| | | | Tbiv | °C | -8 | |
| | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 6,864 | |
| | | | ηs (Seasonal space heating efficiency) | % | 112 | |
| | | | Prated at -22°C | kW | 8.0 | |
| | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 2,658 | |
| | | | ηs (Seasonal space heating efficiency) | % | 160 | |
| | | | Prated at 2°C | kW | 8.1 | |
| | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 3,588 | |
| | | | ηs (Seasonal space heating efficiency) | % | 181 | |
| | | | Prated at -10°C | kW | 8.0 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 12.9 | |
| | | | SCOP | | 4.61 | |
| | | | Seasonal space heating eff. class | | A+++ | |
| | | A Condition (-7°CD-B/-8°CWB) | COPd | | 2.77 | |
| | | | Pdh | kW | 7.0 | |
| | | | PERd | % | 111 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 4.35 | |
| | | | Pdh | kW | 4.2 | |
| | | | PERd | % | 174 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 6.49 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 260 | |
| | | D Condition (12°CDB/11°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 8.52 | |
| | | | Pdh | kW | 3.9 | |
| | | | PERd | % | 341 | |
| | | Tol (temperature operating limit) | COPd | | 2.41 | |
| | | | Pdh | kW | 6.9 | |
| | | | PERd | % | 96 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 35 | |
| | | Tbiv (bivalent temperature) | COPd | | 2.66 | |
| | | | Pdh | kW | 7.5 | |
| | | | PERd | % | 106 | |
| Space heating | Average climate water outlet 35°C | Tbiv (bivalent temperature) | Tbiv | °C | -8 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1.1 | |
| | Cold climate water outlet 35°C | General | Annual energy consumption | kWh | 5,012 | |
| | | | ηs (Seasonal space heating efficiency) | % | 154 | |
| | | | Prated at -22°C | kW | 8.0 | |
| | Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,393 | |
| | | | ηs (Seasonal space heating efficiency) | % | 266 | |
| | | | Prated at 2°C | kW | 7.0 | |

(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 )

| Technical specifications | | | | | EHVZ08S18E6V + ERGA08EVH7 | EHVZ08S23E6V + ERGA08EVH7 |
|---|---|---|---|---|---|---|
| Heating capacity | Nom. | | | kW | 7.5 (1) / 7.8 (2) | |
| Power input | Heating | Nom. | | kW | 1.63 (1) / 2.23 (2) | |
| | Domestic hot water from 10°C to 50°C | Nom. | | kWh | 2.48 | 3.01 |
| Heat up time from 10°C to 50°C | | | | hr | 1h28min | 1h40min |
| COP | | | | | 4.6 (1) / 3.5 (2) | |
| Pump | Nominal ESP unit | Heating | | kPa | 43.3 (1) / 41.2 (2) | |
| Water side Heat exchanger | Water flow rate | Heating | Nom. | l/min | 21.5 (1) / 22.4 (2) | |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | EHVZ08S18E6V + ERGA08EVH7 | EHVZ08S23E6V + ERGA08EVH7 |
|---|---|---|---|---|---|
| General | Supplier/ Manufacturer details | Name and address | | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium | |
| | | Name or trademark | | Daikin Europe N.V. | |
| | Product description | Air-to-water heat pump | | Yes | |
| | | Brine-to-water heat pump | | No | |
| | | Heat pump combination heater | | Yes | |
| | | Low-temperature heat pump | | No | |
| | | Supplementary heater integrated | | Yes | |
| | | Water-to-water heat pump | | No | |
| | LW(A) Sound power level (according to EN14825) | dB(A) | dBA | 42 | |
| LW(A) Sound power level (according to EN14825) | dB(A) | | dBA | 62 | |
| Sound condition Ecodesign and energy label | | | | Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825 | |
| Space heating general | Air to water unit | Rated airflow (outdoor) | $m^3/h$ | 2,770.0 | |
| | Other | Capacity control | | Inverter | |
| | | Pck (Crankcase heater mode) | kW | 0.0 | |
| | | Poff (Off mode) | kW | 0.01 | |
| | | Psb (Standby mode) | kW | 0.01 | |
| | | Pto (Thermostat off) | kW | 0.01 | |
| Domestic hot water heating | General | Declared load profile | | L | XL |
| | | Function to fix water heating during off peak hours | | No | |
| Space heating general | Integrated supplementary heater | Psup | kW | 6.0 | |
| | | Type of energy input | | Electrical | |
| Domestic hot water heating | Average climate | AEC (Annual electricity consumption) | kWh | 820 | 1,267 |
| | | ηwh (water heating efficiency) | % | 125 | 133 |
| | | Qelec (Daily electricity consumption) | kWh | 3.87 | 5.9 |
| | | Water heating energy efficiency class | | A+ | |
| | Cold climate | AEC (Annual electricity consumption) | kWh | 951 | 1,475 |
| | | ηwh (water heating efficiency) | % | 107 | 114 |
| | | Qelec (Daily electricity consumption) | kWh | 4.48 | 6.86 |
| | Warm climate | AEC (Annual electricity consumption) | kWh | 680 | 1,046 |
| Domestic hot water heating | Warm climate | ηwh (water heating efficiency) | % | 151 | 161 |
| | | Qelec (Daily electricity consumption) | kWh | 3.22 | 4.88 |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHVZ08S18E6V + ERGA08EVH7 | EHVZ08S23E6V + ERGA08EVH7 |
|---|---|---|---|---|---|---|
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 4,975 | |
| | | | ηs (Seasonal space heating efficiency) | % | 130 | |
| | | | Prated at -10°C | kW | 8.0 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 17.9 | |
| | | | SCOP | | 3.32 | |
| | | | Seasonal space heating eff. class | | A++ | |
| | | A Condition (-7°CD-B/-8°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 1.96 | |
| | | | Pdh | kW | 6.9 | |
| | | | PERd | % | 78 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 3.2 | |
| | | | Pdh | kW | 4.4 | |
| | | | PERd | % | 128 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 4.64 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 186 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 6.22 | |
| | | | Pdh | kW | 4.1 | |
| | | | PERd | % | 249 | |
| | | Tol (temperature operating limit) | COPd | | 1.64 | |
| | | | Pdh | kW | 7.1 | |
| | | | PERd | % | 66 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 55 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 0.9 | |
| | | Tbiv (bivalent temperature) | COPd | | 1.9 | |
| | | | Pdh | kW | 7.5 | |
| | | | PERd | % | 76 | |
| | | | Tbiv | °C | -8 | |
| | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 6,886 | |
| | | | ηs (Seasonal space heating efficiency) | % | 112 | |
| | | | Prated at -22°C | kW | 8.0 | |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHVZ08S18E6V + ERGA08EVH7 | EHVZ08S23E6V + ERGA08EVH7 |
|---|---|---|---|---|---|---|
| Space heating | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 2,702 | |
| | | | ηs (Seasonal space heating efficiency) | % | 157 | |
| | | | Prated at 2°C | kW | 8.1 | |
| | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 3,625 | |
| | | | ηs (Seasonal space heating efficiency) | % | 179 | |
| | | | Prated at -10°C | kW | 8.0 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 13.1 | |
| | | | SCOP | | 4.56 | |
| | | | Seasonal space heating eff. class | | A+++ | |
| | | A Condition (-7°CD-B/-8°CWB) | COPd | | 2.77 | |
| | | | Pdh | kW | 7.0 | |
| | | | PERd | % | 111 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 4.35 | |
| | | | Pdh | kW | 4.2 | |
| | | | PERd | % | 174 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 6.49 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 260 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 8.52 | |
| | | | Pdh | kW | 3.9 | |
| | | | PERd | % | 341 | |
| | | Tol (temperature operating limit) | COPd | | 2.41 | |
| | | | Pdh | kW | 6.9 | |
| | | | PERd | % | 96 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 35 | |
| | | Tbiv (bivalent temperature) | COPd | | 2.66 | |
| | | | Pdh | kW | 7.5 | |
| | | | PERd | % | 106 | |
| | | | Tbiv | °C | -8 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1.1 | |
| | Cold climate water outlet 35°C | General | Annual energy consumption | kWh | 5,034 | |
| | | | ηs (Seasonal space heating efficiency) | % | 154 | |
| | | | Prated at -22°C | kW | 8.0 | |
| Space heating | Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,437 | |
| | | | ηs (Seasonal space heating efficiency) | % | 257 | |
| | | | Prated at 2°C | kW | 7.0 | |

(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 )

| Technical specifications | | | | | EHVZ08S18E9W + ERGA08EVH7 | EHVZ08S23E9W + ERGA08EVH7 |
|---|---|---|---|---|---|---|
| Heating capacity | Nom. | | | kW | 7.5 (1) / 7.8 (2) | |
| Power input | Heating | Nom. | | kW | 1.63 (1) / 2.23 (2) | |
| | Domestic hot water from 10°C to 50°C | Nom. | | kWh | 2.48 | 3.01 |
| Heat up time from 10°C to 50°C | | | | hr | 1h28min | 1h40min |
| COP | | | | | 4.6 (1) / 3.5 (2) | |
| Pump | Nominal ESP unit | Heating | | kPa | 43.3 (1) / 41.2 (2) | |
| Water side Heat exchanger | Water flow rate | Heating | Nom. | l/min | 21.5 (1) / 22.4 (2) | |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | EHVZ08S18E9W + ERGA08EVH7 | EHVZ08S23E9W + ERGA08EVH7 |
|---|---|---|---|---|---|
| General | Supplier/ Manufacturer details | Name and address | | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium | |
| | | Name or trademark | | Daikin Europe N.V. | |
| | Product description | Air-to-water heat pump | | Yes | |
| | | Brine-to-water heat pump | | No | |
| | | Heat pump combination heater | | Yes | |
| | | Low-temperature heat pump | | No | |
| | | Supplementary heater integrated | | Yes | |
| | | Water-to-water heat pump | | No | |
| | LW(A) Sound power level (according to EN14825) | dB(A) | dBA | 42 | |
| LW(A) Sound power level (according to EN14825) | dB(A) | | dBA | 62 | |
| Sound condition Ecodesign and energy label | | | | Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825 | |
| Space heating general | Air to water unit | Rated airflow (outdoor) | $m^3/h$ | 2,770.0 | |
| | Other | Capacity control | | Inverter | |
| | | Pck (Crankcase heater mode) | kW | 0.0 | |
| | | Poff (Off mode) | kW | 0.01 | |
| | | Psb (Standby mode) | kW | 0.01 | |
| | | Pto (Thermostat off) | kW | 0.01 | |
| Domestic hot water heating | General | Declared load profile | | L | XL |
| | | Function to fix water heating during off peak hours | | No | |
| Space heating general | Integrated supplementary heater | Psup | kW | 9.0 | |
| | | Type of energy input | | Electrical | |
| Domestic hot water heating | Average climate | AEC (Annual electricity consumption) | kWh | 820 | 1,267 |
| | | ηwh (water heating efficiency) | % | 125 | 133 |
| | | Qelec (Daily electricity consumption) | kWh | 3.87 | 5.9 |
| | | Water heating energy efficiency class | | A+ | |
| | Cold climate | AEC (Annual electricity consumption) | kWh | 951 | 1,475 |
| | | ηwh (water heating efficiency) | % | 107 | 114 |
| | | Qelec (Daily electricity consumption) | kWh | 4.48 | 6.86 |
| | Warm climate | AEC (Annual electricity consumption) | kWh | 680 | 1,046 |
| Domestic hot water heating | Warm climate | ηwh (water heating efficiency) | % | 151 | 161 |
| | | Qelec (Daily electricity consumption) | kWh | 3.22 | 4.88 |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | EHVZ08S18E9W + ERGA08EVH7 | EHVZ08S23E9W + ERGA08EVH7 |
|---|---|---|---|---|---|---|
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 4,975 | |
| | | | ηs (Seasonal space heating efficiency) | % | 130 | |
| | | | Prated at -10°C | kW | 8.0 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 17.9 | |
| | | | SCOP | | 3.32 | |
| | | | Seasonal space heating eff. class | | A++ | |
| | | A Condition (-7°CD-B/-8°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 1.96 | |
| | | | Pdh | kW | 6.9 | |
| | | | PERd | % | 78 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 3.2 | |
| | | | Pdh | kW | 4.4 | |
| | | | PERd | % | 128 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 4.64 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 186 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 6.22 | |
| | | | Pdh | kW | 4.1 | |
| | | | PERd | % | 249 | |
| | | Tol (temperature operating limit) | COPd | | 1.64 | |
| | | | Pdh | kW | 7.1 | |
| | | | PERd | % | 66 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 55 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 0.9 | |
| | | Tbiv (bivalent temperature) | COPd | | 1.9 | |
| | | | Pdh | kW | 7.5 | |
| | | | PERd | % | 76 | |
| | | | Tbiv | °C | -8 | |
| | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 6,886 | |
| | | | ηs (Seasonal space heating efficiency) | % | 112 | |
| | | | Prated at -22°C | kW | 8.0 | |

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | EHVZ08S18E9W + ERGA08EVH7 | EHVZ08S23E9W + ERGA08EVH7 |
|---|---|---|---|---|---|---|
| Space heating | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 2,702 | |
| | | | ηs (Seasonal space heating efficiency) | % | 157 | |
| | | | Prated at 2°C | kW | 8.1 | |
| | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 3,625 | |
| | | | ηs (Seasonal space heating efficiency) | % | 179 | |
| | | | Prated at -10°C | kW | 8.0 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 13.1 | |
| | | | SCOP | | 4.56 | |
| | | | Seasonal space heating eff. class | | A+++ | |
| | | A Condition (-7°CD-B/-8°CWB) | COPd | | 2.77 | |
| | | | Pdh | kW | 7.0 | |
| | | | PERd | % | 111 | |
| | | B Condition (2°CD-B/1°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 4.35 | |
| | | | Pdh | kW | 4.2 | |
| | | | PERd | % | 174 | |
| | | C Condition (7°CD-B/6°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 6.49 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 260 | |
| | | D Condition (12°CD-B/11°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 8.52 | |
| | | | Pdh | kW | 3.9 | |
| | | | PERd | % | 341 | |
| | | Tol (temperature operating limit) | COPd | | 2.41 | |
| | | | Pdh | kW | 6.9 | |
| | | | PERd | % | 96 | |
| | | | TOL | °C | -10 | |
| | | | WTOL | °C | 35 | |
| | | Tbiv (bivalent temperature) | COPd | | 2.66 | |
| | | | Pdh | kW | 7.5 | |
| | | | PERd | % | 106 | |
| | | | Tbiv | °C | -8 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 1.1 | |
| | Cold climate water outlet 35°C | General | Annual energy consumption | kWh | 5,034 | |
| | | | ηs (Seasonal space heating efficiency) | % | 154 | |
| | | | Prated at -22°C | kW | 8.0 | |
| Space heating | Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,437 | |
| | | | ηs (Seasonal space heating efficiency) | % | 257 | |
| | | | Prated at 2°C | kW | 7.0 | |

(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 )

| Technical Specifications | | | | ERGA04EV |
|---|---|---|---|---|
| Casing | Colour | | | Ivory white |
| | Material | | | Polyester painted galvanised steel plate |
| Dimensions | Unit | Height | mm | 740 |
| | | Width | mm | 884 |
| | | Depth | mm | 388 |
| | Packed unit | Height | mm | 815 |
| | | Width | mm | 1,043 |
| | | Depth | mm | 478 |
| Weight | Unit | | kg | 58.5 |
| | Packed unit | | kg | 60 |
| Packing | Material | | | Cardboard / EPS |
| | Weight | | kg | 4.3 |

# 2 Specifications

## 2 - 1 Specifications



| Technical Specifications | | | | | ERGA04EV |
|---|---|---|---|---|---|
| Heat exchanger | Length | | | mm | 920 |
| | Rows | Quantity | | | 2 |
| | Fin pitch | | | mm | 1.4 |
| | Passes | Quantity | | | 32 |
| | Face area | | | $m^2$ | 0.658 |
| | Tube type | | | | ø7 Hi-XA |
| | Fin | Type | | | Aluminium |
| | | Treatment | | | Anti-corrosion Hydrophilic |
| Fan | Type | | | | Propeller fan |
| | Quantity | | | | 1 |
| | Discharge direction | | | | Horizontal |
| Fan motor | Quantity | | | | 1 |
| | Model | | | | KFD-325-77-10A |
| | Output | | | W | 77 |
| | Speed | Heating | Nom. | rpm | 620 |
| | | Cooling | Nom. | rpm | 780 |
| Compressor | Quantity | | | | 1 |
| | Model | | | | 2YC71EXD#C |
| | Type | | | | Hermetically sealed swing compressor |
| PED | Category | | | | Category II |
| Operation range | Heating | Min. | | °CDB | -25 |
| | | Max. | | °CDB | 25 |
| | Cooling | Min. | | °CDB | 10 |
| | | Max. | | °CDB | 43 |
| Operation range | Domestic hot water | Max. | | °CDB | 35 |
| | | Min. | | °CDB | -25 |
| PED | Most critical part | Ps*V | | Bar*l | 110.4 |
| Sound power level | Heating | Nom. | | dBA | 58 (1) |
| | Cooling | Nom. | | dBA | 61 (1) |
| Sound pressure level | Heating | Nom. | | dBA | 44 (1) |
| | Cooling | Nom. | | dBA | 48 (1) |
| Refrigerant | Type | | | | R-32 |
| | GWP | | | | 675.0 |
| | Charge | | | kg | 1.5 |
| | Control | | | | Expansion valve |
| | Circuits | Quantity | | | 1 |
| Refrigerant oil | Type | | | | FW68DA |
| | Charged volume | | | l | 0.9 |
| Piping connections | Liquid | Quantity | | | 1 |
| | | Type | | | Flare connection |
| | | OD | | mm | 6 |
| | Gas | Quantity | | | 1 |
| | | Type | | | Flare connection |
| | | OD | | mm | 15.9 |
| | Drain | Quantity | | | 2 |
| | | Type | | | Hole |
| | | OD | | mm | 18 |
| | Piping length | OU - IU | Min. | m | 3 |
| | | | Max. | m | 30 |
| | | System | Chargeless | m | 10 |
| | High pressure side | Design pressure | | bar | 46 |
| | Additional refrigerant charge | | | kg/m | 0.02 (for piping length exceeding 10m) |
| | Level difference | IU - OU | Max. | m | 20.0 |
| | Heat insulation | | | | Both liquid and gas pipes |
| Defrost method | | | | | Reversed cycle |
| Defrost control | | | | | Sensor for outdoor heat exchanger temperature |
| Safety devices | Item | 01 | | | High pressure switch |

| Electrical Specifications | | | | | ERGA04EV |
|---|---|---|---|---|---|
| Power supply | Name | | | | V3 |
| | Phase | | | | 1N~ |
| | Frequency | | | Hz | 50 |
| | Voltage | | | V | 230 |
| | Voltage range | Min. | | % | -10 |
| | | Max. | | % | 10 |

# 2 Specifications

## 2 - 1 Specifications

| Electrical Specifications | | | | ERGA04EV |
|---|---|---|---|---|
| Current | Maximum running current | Heating | A | 19.9 |
| | Recommended fuses | | A | 20 |
| | Inverter modulation | Min. | % | 35 |
| Wiring connections | For power supply | Quantity | | 3 |
| | | Remark | | 4mm² |
| | For connection with indoor | Quantity | | 4 |
| | | Remark | | 1,5mm² |
| IP class | IP | | | IPX4 |

(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)

| Technical Specifications | | | | | ERGA06EVH |
|---|---|---|---|---|---|
| Casing | Colour | | | | Ivory white |
| | Material | | | | Polyester painted galvanised steel plate |
| Dimensions | Unit | Height | | mm | 740 |
| | | Width | | mm | 884 |
| | | Depth | | mm | 388 |
| | Packed unit | Height | | mm | 815 |
| | | Width | | mm | 1,043 |
| | | Depth | | mm | 478 |
| Weight | Unit | | | kg | 58.5 |
| | Packed unit | | | kg | 60 |
| Packing | Material | | | | Cardboard / EPS |
| | Weight | | | kg | 4.3 |
| Heat exchanger | Length | | | mm | 920 |
| | Rows | Quantity | | | 2 |
| | Fin pitch | | | mm | 1.4 |
| | Passes | Quantity | | | 32 |
| | Face area | | | m² | 0.658 |
| | Tube type | | | | ø7 Hi-XA |
| | Fin | Type | | | Aluminium |
| | | Treatment | | | Anti-corrosion Hydrophilic |
| Fan | Type | | | | Propeller fan |
| | Quantity | | | | 1 |
| | Discharge direction | | | | Horizontal |
| Fan motor | Quantity | | | | 1 |
| | Model | | | | KFD-325-77-10A |
| | Output | | | W | 77 |
| | Speed | Heating | Nom. | rpm | 680 |
| | | Cooling | Nom. | rpm | 780 |
| Compressor | Quantity | | | | 1 |
| | Model | | | | 2YC71EXD#C |
| | Type | | | | Hermetically sealed swing compressor |
| PED | Category | | | | Category II |
| Operation range | Heating | Min. | | °CDB | -25 |
| | | Max. | | °CDB | 25 |
| | Cooling | Min. | | °CDB | 10 |
| | | Max. | | °CDB | 43 |
| Operation range | Domestic hot water | Max. | | °CDB | 35 |
| | | Min. | | °CDB | -25 |
| PED | Most critical part | Ps*V | | Bar*l | 110.4 |
| Sound power level | Heating | Nom. | | dBA | 60 (1) |
| | Cooling | Nom. | | dBA | 62 (1) |
| Sound pressure level | Heating | Nom. | | dBA | 47 (1) |
| | Cooling | Nom. | | dBA | 49 (1) |
| Refrigerant | Type | | | | R-32 |
| | GWP | | | | 675.0 |
| | Charge | | | kg | 1.5 |
| | Control | | | | Expansion valve |
| | Circuits | Quantity | | | 1 |
| Refrigerant oil | Type | | | | FW68DA |
| | Charged volume | | | l | 0.9 |

# 2 Specifications

## 2 - 1 Specifications



| Technical Specifications | | | | | ERGA06EVH |
|---|---|---|---|---|---|
| Piping connections | Liquid | Quantity | | | 1 |
| | | Type | | | Flare connection |
| | | OD | | mm | 6 |
| | Gas | Quantity | | | 1 |
| | | Type | | | Flare connection |
| | | OD | | mm | 15.9 |
| | Drain | Quantity | | | 2 |
| | | Type | | | Hole |
| | | OD | | mm | 18 |
| | Piping length | OU - IU | Min. | m | 3 |
| | | | Max. | m | 30 |
| | | System | Chargeless | m | 10 |
| | High pressure side | Design pressure | | bar | 46 |
| | Additional refrigerant charge | | | kg/m | 0.02 (for piping length exceeding 10m) |
| | Level difference | IU - OU | Max. | m | 30.0 |
| | Heat insulation | | | | Both liquid and gas pipes |
| Defrost method | | | | | Reversed cycle |
| Defrost control | | | | | Sensor for outdoor heat exchanger temperature |
| Safety devices | Item | 01 | | | High pressure switch |

| Electrical Specifications | | | | ERGA06EVH |
|---|---|---|---|---|
| Power supply | Name | | | V3 |
| | Phase | | | 1N~ |
| | Frequency | | Hz | 50 |
| | Voltage | | V | 230 |
| | Voltage range | Min. | % | -10 |
| | | Max. | % | 10 |
| Current | Maximum running current | Heating | A | 19.9 |
| | Recommended fuses | | A | 20 |
| | Inverter modulation | Min. | % | 37 |
| Wiring connections | For power supply | Quantity | | 3 |
| | | Remark | | 4mm² |
| | For connection with indoor | Quantity | | 4 |
| | | Remark | | 1,5mm² |
| IP class | IP | | | IPX4 |

(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)

| Technical Specifications | | | | ERGA08EVH7 |
|---|---|---|---|---|
| Casing | Colour | | | Ivory white |
| | Material | | | Polyester painted galvanised steel plate |
| Dimensions | Unit | Height | mm | 740 |
| | | Width | mm | 884 |
| | | Depth | mm | 388 |
| | Packed unit | Height | mm | 815 |
| | | Width | mm | 1,043 |
| | | Depth | mm | 478 |
| Weight | Unit | | kg | 58.5 |
| | Packed unit | | kg | 60 |
| Packing | Material | | | Cardboard / EPS |
| | Weight | | kg | 4.3 |
| Heat exchanger | Length | | mm | 920 |
| | Rows | Quantity | | 2 |
| | Fin pitch | | mm | 1.4 |
| | Passes | Quantity | | 32 |
| | Face area | | m² | 0.658 |
| | Tube type | | | ø7 Hi-XA |
| | Fin | Type | | Aluminium |
| | | Treatment | | Anti-corrosion Hydrophilic |
| Fan | Type | | | Propeller fan |
| | Quantity | | | 1 |
| | Discharge direction | | | Horizontal |
| Fan motor | Quantity | | | 1 |
| | Model | | | KFD-325-77-10A |
| | Output | | W | 77 |
| | Speed | Heating | Nom. rpm | 740 |
| | | Cooling | Nom. rpm | 780 |

# 2 Specifications

## 2 - 1 Specifications

| Technical Specifications | | | | | ERGA08EVH7 |
|---|---|---|---|---|---|
| Compressor | Quantity | | | | 1 |
| | Model | | | | 2YC71EXD#C |
| | Type | | | | Hermetically sealed swing compressor |
| PED | Category | | | | Category II |
| Operation range | Heating | Min. | | °CDB | -25 |
| | | Max. | | °CDB | 25 |
| | Cooling | Min. | | °CDB | 10 |
| | | Max. | | °CDB | 43 |
| Operation range | Domestic hot water | Max. | | °CDB | 35 |
| | | Min. | | °CDB | -25 |
| PED | Most critical part | Ps*V | | Bar*l | 110.4 |
| Sound power level | Heating | Nom. | | dBA | 62 (1) |
| | Cooling | Nom. | | dBA | 62 (1) |
| Sound pressure level | Heating | Nom. | | dBA | 49 (1) |
| | Cooling | Nom. | | dBA | 50 (1) |
| Refrigerant | Type | | | | R-32 |
| | GWP | | | | 675.0 |
| | Charge | | | kg | 1.5 |
| | Control | | | | Expansion valve |
| | Circuits | Quantity | | | 1 |
| Refrigerant oil | Type | | | | FW68DA |
| | Charged volume | | | l | 0.9 |
| Piping connections | Liquid | Quantity | | | 1 |
| | | Type | | | Flare connection |
| | | OD | | mm | 6 |
| | Gas | Quantity | | | 1 |
| | | Type | | | Flare connection |
| | | OD | | mm | 15.9 |
| | Drain | Quantity | | | 2 |
| | | Type | | | Hole |
| | | OD | | mm | 18 |
| | Piping length | OU - IU | Min. | m | 3 |
| | | | Max. | m | 30 |
| | | System | Chargeless | m | 10 |
| | High pressure side | Design pressure | | bar | 46 |
| | Additional refrigerant charge | | | kg/m | 0.02 (for piping length exceeding 10m) |
| | Level difference | IU - OU | Max. | m | 30.0 |
| | Heat insulation | | | | Both liquid and gas pipes |
| Defrost method | | | | | Reversed cycle |
| Defrost control | | | | | Sensor for outdoor heat exchanger temperature |
| Safety devices | Item | 01 | | | High pressure switch |

| Electrical Specifications | | | | | ERGA08EVH7 |
|---|---|---|---|---|---|
| Power supply | Name | | | | V3 |
| | Phase | | | | 1N~ |
| | Frequency | | | Hz | 50 |
| | Voltage | | | V | 230 |
| | Voltage range | Min. | | % | -10 |
| | | Max. | | % | 10 |
| Current | Maximum running current | Heating | | A | 24.0 |
| | Recommended fuses | | | A | 25 |
| | Inverter modulation | Min. | | % | 35 |
| Wiring connections | For power supply | Quantity | | | 3 |
| | | Remark | | | 4mm² |
| | For connection with indoor | Quantity | | | 4 |
| | | Remark | | | 1,5mm² |
| IP class | IP | | | | IPX4 |

(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)

# 3 Combination table

## 3 - 1 Combination Table



**ERGA-EV**
**ERGA-EVH**
**ERGA-EVH7**

Kit availability for outdoor units

·D· series

| | | *RGA04DAV3* | *RGA06DAV3* | *RGA08DAV3* |
|---|---|---|---|---|
| EKDP008D | Drain pan kit | o | o | o |
| EKDPH008CA | Drain pan heater | o | o | o |
| EKFT008D | Feet kit | o | o | o |
| EKLN08A1 | Low noise kit | o | o | o |

Kit availability for outdoor units

·E· series

| | | ERGA04EAV3* | ERGA06EAV3* | ERGA08EAV3* |
|---|---|---|---|---|
| EKDP008D | Drain pan kit | o | o | o |
| EKDPH008CA | Drain pan heater | o | o | o |
| EKFT008D | Feet kit | o | o | o |
| EKLN08A1 | Low noise kit | o | o | o |

Kit availability for outdoor units

·C2· series

| | | EVLA06C2V3* | EVLA08C2V3* |
|---|---|---|---|
| EKDP008D | Drain pan kit | o | o |
| EKDPH008CA | Drain pan heater | o | o |
| EKFT008D | Feet kit | o | o |
| EKLN08A1 | Low noise kit | o | o |

Notes

When installing ·EKHDP008D· units in heavy snowfall areas, also install option kit ·EKDPH008CA·.

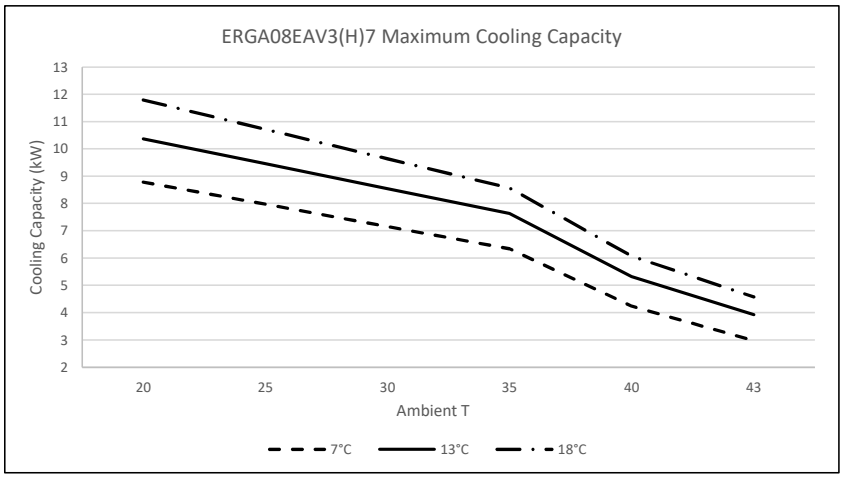
**3D111531F**

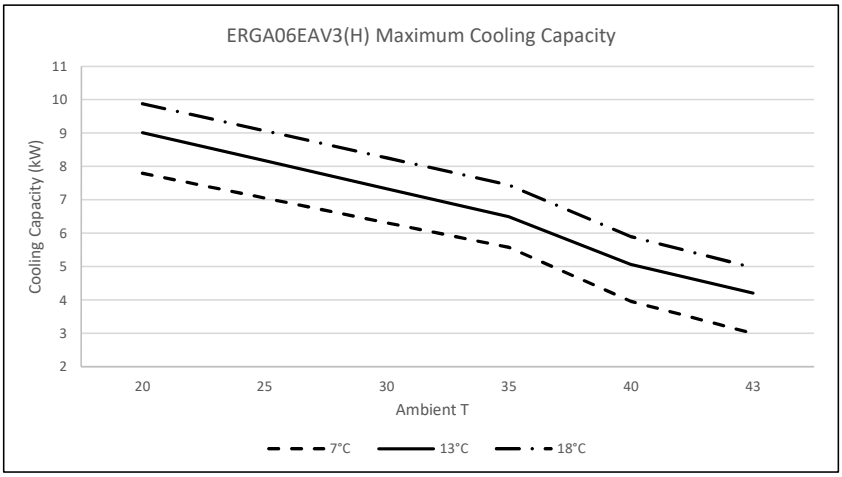
# 4 Capacity graphs

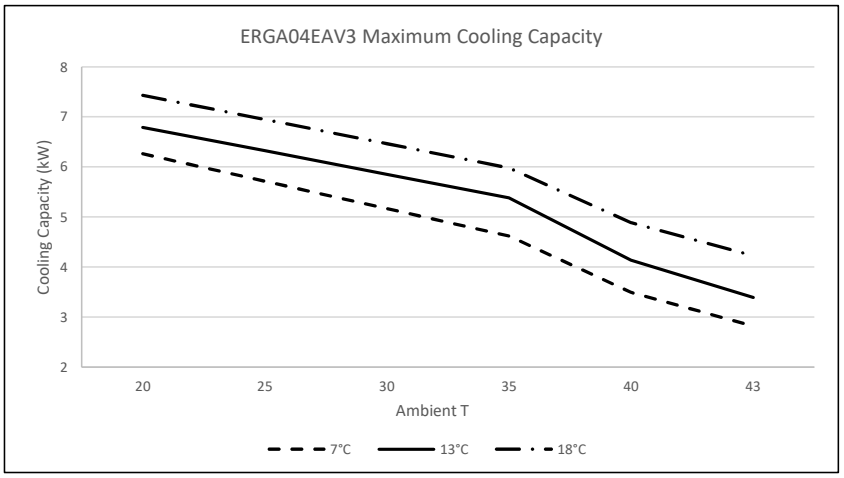
## 4 - 1 Cooling Capacity Graphs

**ERGA-EV**
**ERGA-EVH**
**ERGA-EVH7**





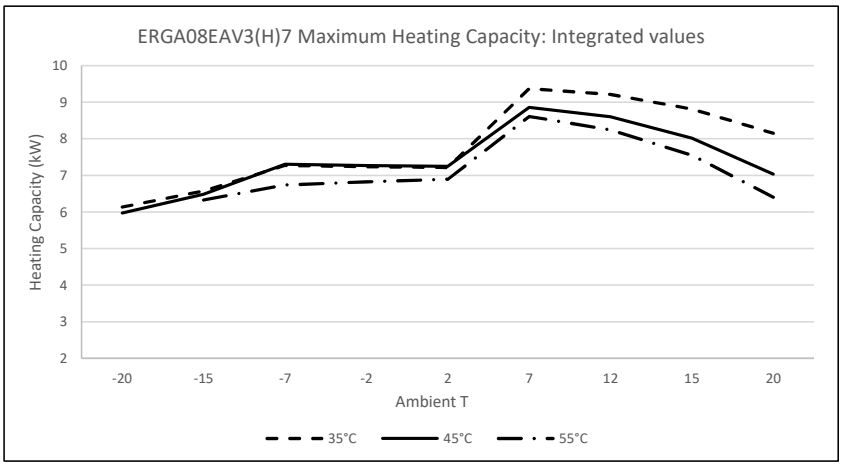

**3D112789G**

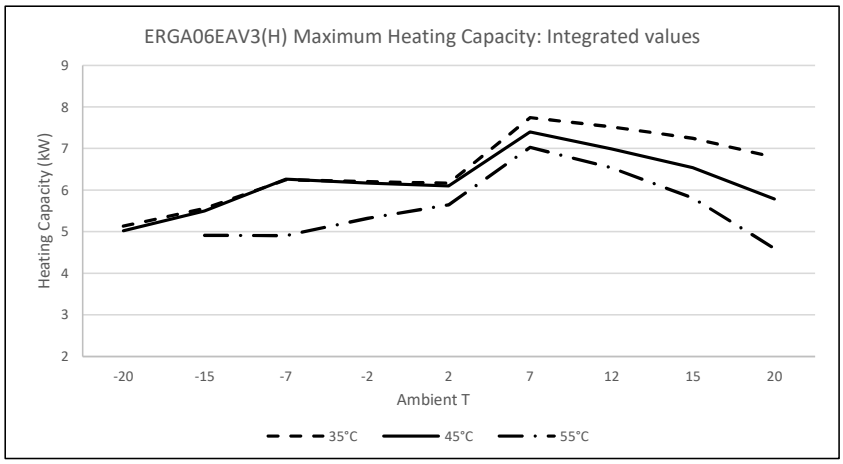
# 4 Capacity graphs

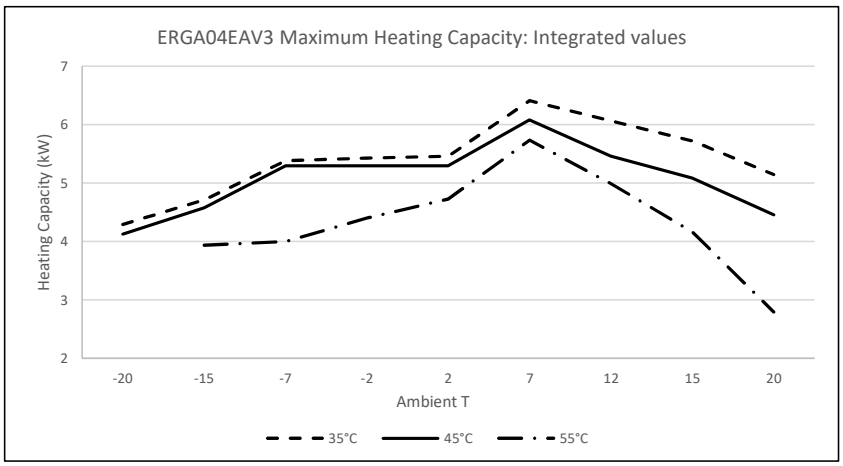
## 4 - 2 Heating Capacity Graphs



**ERGA-EV**
**ERGA-EVH**
**ERGA-EVH7**



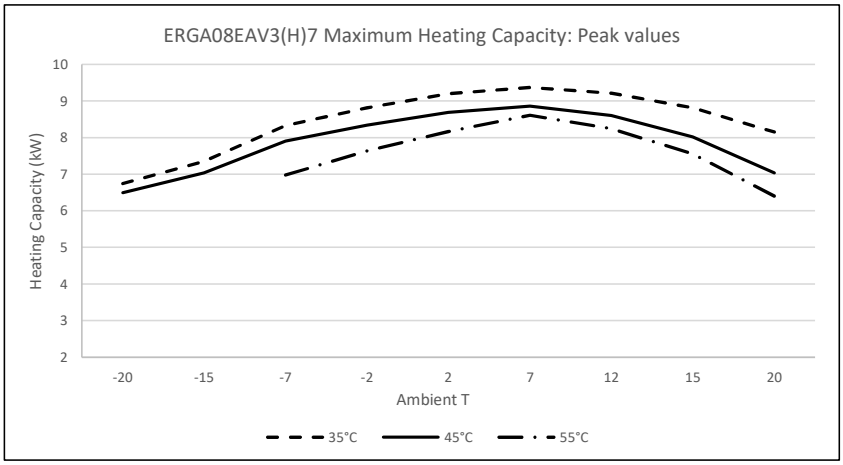

**3D112789G**

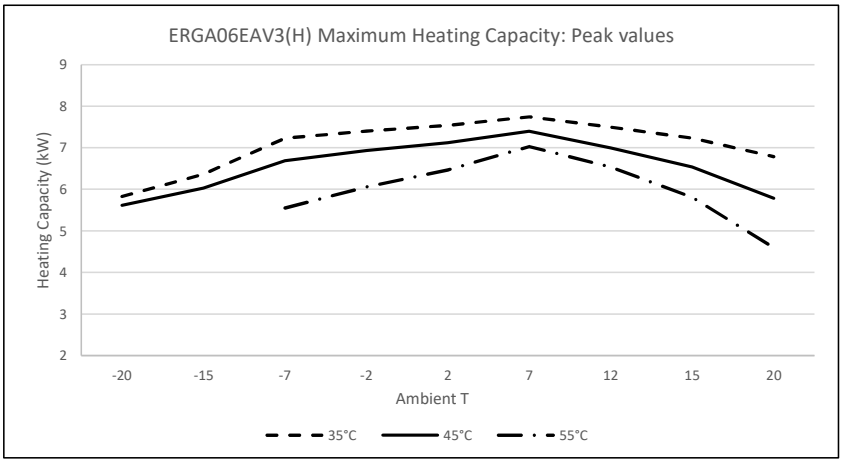
# 4 Capacity graphs

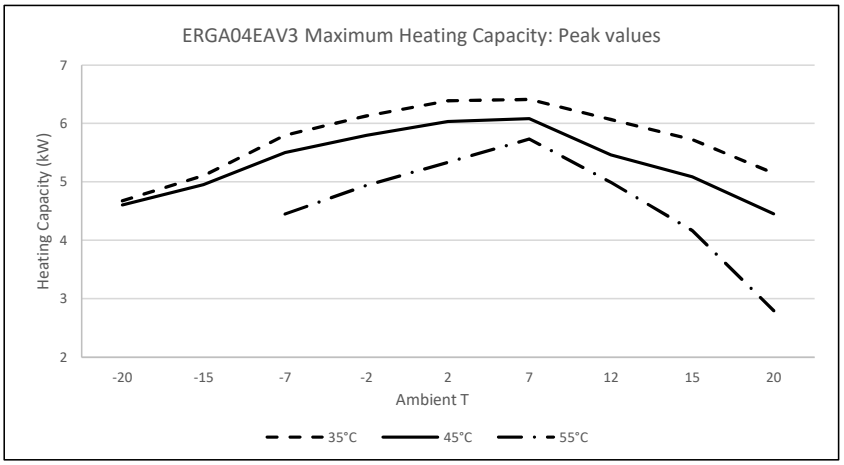
## 4 - 2 Heating Capacity Graphs

**ERGA-EV**
**ERGA-EVH**
**ERGA-EVH7**





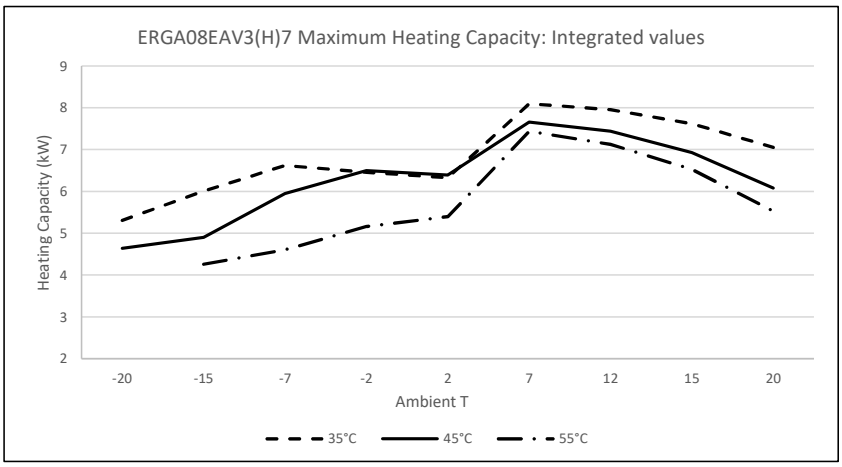

**3D112789G**

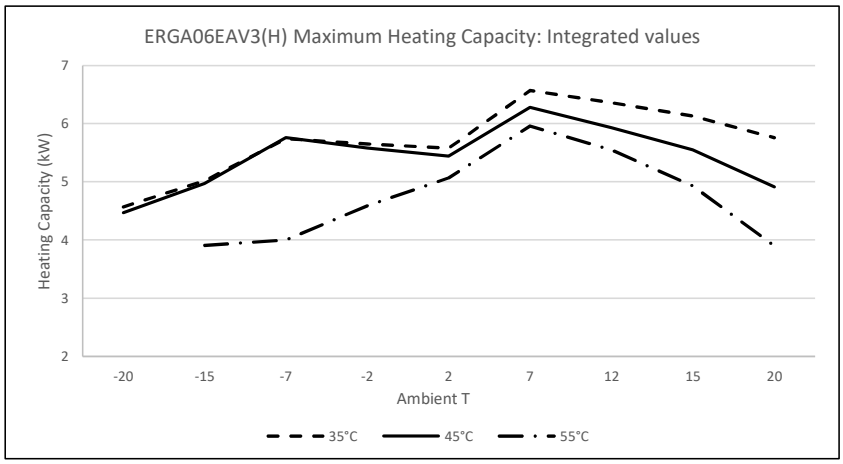
# 4 Capacity graphs

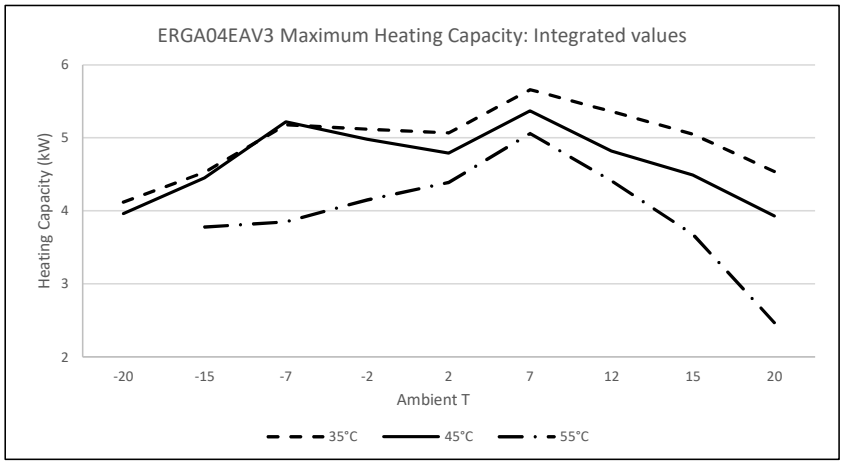
## 4 - 3 Heating Capacity Graphs - more quiet mode



**ERGA-EV**
**ERGA-EVH**
**ERGA-EVH7**




**3D116504E**

# 5 Capacity tables

## 5 - 1 Certification Programs

**ERGA-EV**
**ERGA-EVH**
**ERGA-EVH7**

Rated data for certification programmes - heating mode

| Tamb | EWC | LWC | ERGA04EAV3 HC | ERGA04EAV3 COP | ERGA06EAV3(H) HC | ERGA06EAV3(H) COP | ERGA08EAV3(H)(7) HC | ERGA08EAV3(H)(7) COP |
|---|---|---|---|---|---|---|---|---|
| [°C] | [°C] | [°C] | [kW] | | [kW] | | [kW] | |
| 10/8 | 30 | 35 | 5.17 | 5.42 | 6.17 | 5.12 | 7.72 | 4.72 |
| 7/6 | 30 | 35 | 4.30 | 5.10 | 6.00 | 4.85 | 7.50 | 4.60 |
| 2/1 | 30 | 35 | 3.50 | 4.10 | 4.80 | 3.75 | 5.60 | 3.65 |
| -7/-8 | 30 | 35 | 4.50 | 3.10 | 5.50 | 2.90 | 6.00 | 2.70 |
| 7/6 | 40 | 45 | 4.60 | 3.65 | 5.90 | 3.50 | 7.80 | 3.50 |
| 2/1 | 40 | 45 | 4.20 | 2.80 | 5.00 | 2.80 | 6.00 | 2.75 |
| -7/-8 | 40 | 45 | 4.35 | 2.40 | 5.00 | 2.35 | 6.10 | 2.21 |
| 7/6 | 47 | 55 | 4.90 | 2.56 | 5.80 | 2.61 | 7.50 | 2.61 |
| -7/-8 | 47 | 55 | 4.20 | 1.60 | 5.00 | 1.65 | 5.50 | 1.70 |

Rated data for certification programmes - heating mode

| Tamb | EWC | LWC | ERGA04EAV3A HC | ERGA04EAV3A COP | ERGA06EAV3A HC | ERGA06EAV3A COP | ERGA08EAV3A HC | ERGA08EAV3A COP |
|---|---|---|---|---|---|---|---|---|
| [°C] | [°C] | [°C] | [kW] | | [kW] | | [kW] | |
| 10/8 | 30 | 35 | 5.17 | 5.42 | 6.17 | 5.12 | 7.72 | 4.72 |
| 7/6 | 30 | 35 | 4.30 | 5.10 | 6.00 | 4.85 | 7.50 | 4.60 |
| 2/1 | 30 | 35 | 3.50 | 4.10 | 4.80 | 3.75 | 5.60 | 3.65 |
| -7/-8 | 30 | 35 | 4.50 | 3.10 | 5.50 | 2.90 | 6.00 | 2.70 |
| 7/6 | 40 | 45 | 4.60 | 3.65 | 5.90 | 3.50 | 7.80 | 3.50 |
| 2/1 | 40 | 45 | 4.20 | 2.80 | 5.00 | 2.80 | 6.00 | 2.75 |
| -7/-8 | 40 | 45 | 4.35 | 2.40 | 5.00 | 2.35 | 6.02 | 2.21 |
| 7/6 | 47 | 55 | 4.90 | 2.56 | 5.80 | 2.61 | 7.50 | 2.61 |
| -7/-8 | 47 | 55 | 4.20 | 1.60 | 4.91 | 1.65 | 4.86 | 1.70 |

Rated data for certification programmes - cooling mode

| Tamb | EWE | LWE | ERGA04EAV3(A) CC | ERGA04EAV3(A) EER | ERGA06EAV3(A/H) CC | ERGA06EAV3(A/H) EER | ERGA08EAV3(A/H)(7) CC | ERGA08EAV3(A/H)(7) EER |
|---|---|---|---|---|---|---|---|---|
| [°C] | [°C] | [°C] | [kW] | | [kW] | | [kW] | |
| 35 | 23 | 18 | 4.86 | 5.98 | 5.96 | 5.61 | 6.25 | 5.40 |
| 35 | 12 | 7 | 4.52 | 3.32 | 5.09 | 3.28 | 5.44 | 3.14 |

Rated data for sound GET database

| Standard sound model | | ERGA04EAV3(A) | ERGA06EAV3(A/H) | ERGA08EAV3(A/H)(7) |
|---|---|---|---|---|
| Maximum sound day | Sound power [dBA] | 60 | 62 | 65 |
| Maximum sound night | Sound power [dBA] | 54 | 54 | 54 |

| Low sound model | | ERGA04EAV3(A) | ERGA06EAV3(A/H) | ERGA08EAV3(A/H)(7) |
|---|---|---|---|---|
| Maximum sound day | Sound power [dBA] | 59 | 61 | 63 |
| Maximum sound night | Sound power [dBA] | 52 | 52 | 52 |

Seasonal data - cooling

Low temperature Application, LWE 7°C

| | | ERGA04EAV3(A) | ERGA06EAV3(A/H) | ERGA08EAV3(A/H)(7) |
|---|---|---|---|---|
| SEER | [-] | 5.66 | 5.73 | 5.71 |
| Pdes | [kW] | 4.5 | 5.1 | 5.4 |
| $\eta_{s,c}$ | [-] | 223% | 226% | 226% |
| $Q_{CE}$ | [kWh/annum] | 480 | 533 | 571 |

Symbols

| | |
|---|---|
| HC | Heating capacity measured according to EN 14511 |
| CC | Cooling capacity, measured according to ·EN 14511·. |
| COP/EER | Coefficient of Performance/Energy efficiency ratio according to EN 14511. |
| EWC | Entering water condenser temperature [°C] |
| LWC | Leaving water condensor temperature [°C] |
| EWE | Entering water evaporator temperature [°C] |
| LWE | Leaving water evaporator temperature [°C] |
| Tamb | Ambient temperature [°C DB/WB] |
| Pdes | Nominal capacity value at design temperature [kW] |
| $\eta_{s,c}$ | Seasonal space cooling energy efficiency according to ·EN14825· |
| SEER | Seasonal energy efficiency ratio according to ·EN14825· |
| $Q_{CE}$ | Annual energy consumption for cooling according to ·EN14825· |

**3D130964E**

**ERGA-EV**
**ERGA-EVH**
**ERGA-EVH7**

Rated data for certification programmes - heating mode
According to ·UNI/TS 11300·

| Condition · · | Tamb [°C] | LWC [°C] | PLR [%] | *RGA04EA* HC [kW] | *RGA04EA* COP | *RGA06EA* HC [kW] | *RGA06EA* COP | *RGA08EA* HC [kW] | *RGA08EA* COP |
|---|---|---|---|---|---|---|---|---|---|
| A | -7/-8 | 34 | 100 | 5.39 | 2.90 | 6.25 | 2.85 | 7.28 | 2.74 |
| B | 2/1 | 30 | 100 | 5.60 | 4.00 | 6.20 | 4.05 | 7.20 | 3.79 |
| C | 7/6 | 27 | 100 | 6.73 | 5.93 | 8.18 | 5.50 | 9.60 | 5.25 |
| D | 12/11 | 24 | 100 | 6.95 | 8.31 | 8.49 | 7.56 | 10.02 | 7.10 |
| A | -7/-8 | 52 | 100 | 4.39 | 1.54 | 5.31 | 1.59 | 6.91 | 1.71 |
| B | 2/1 | 42 | 100 | 5.35 | 3.14 | 6.12 | 3.00 | 7.24 | 2.87 |
| C | 7/6 | 36 | 100 | 6.38 | 4.77 | 7.71 | 4.62 | 9.32 | 4.38 |
| D | 12/11 | 30 | 100 | 6.32 | 7.35 | 7.79 | 7.35 | 9.52 | 6.39 |

Rated data for certification programmes - cooling mode
According to ·UNI/TS 11300·

| Condition · · | Tamb [°C] | LWE [°C] | PLR [%] | *RGA04EA* CC [kW] | *RGA04EA* EER | *RGA06EA* CC [kW] | *RGA06EA* EER | *RGA08EA* CC [kW] | *RGA08EA* EER |
|---|---|---|---|---|---|---|---|---|---|
| A | 35 | 18 | 100 | 5.98 | 5.64 | 7.45 | 4.84 | 8.57 | 4.58 |
| B | 30 | 18 | 75 | 4.85 | 7.31 | 6.19 | 6.13 | 7.23 | 5.69 |
| C | 25 | 18 | 50 | 3.47 | 8.68 | 4.54 | 7.09 | 5.36 | 6.38 |
| D* | 20 | 18 | 25 | 1.50 | 9.63 | 1.86 | 9.72 | 2.14 | 9.77 |
| A | 35 | 7 | 100 | 4.62 | 3.73 | 5.57 | 3.48 | 6.34 | 3.32 |
| B | 30 | 7 | 75 | 3.88 | 4.76 | 4.74 | 4.32 | 5.37 | 4.15 |
| C | 25 | 7 | 50 | 2.86 | 5.40 | 3.53 | 4.90 | 3.99 | 4.69 |
| D* | 20 | 7 | 25 | 1.16 | 6.16 | 1.39 | 6.20 | 1.59 | 6.23 |

At part load ·D*· data is calculated with ON/OFF compensation according to ·EN14825· for the purpose of the software calculation tool.
In reality, the minimum load of the unit in this condition is higher than ·25·%.

**3D130964E**

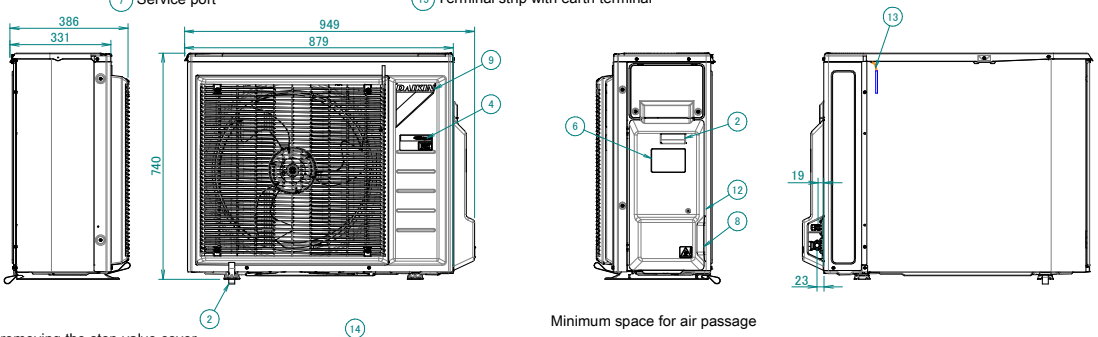
# 6 Dimensional drawings

## 6 - 1 Dimensional Drawings

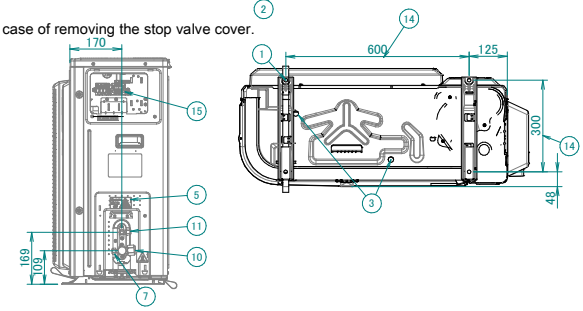


**ERGA-EV**
**ERGA-EVH**
**ERGA-EVH7**

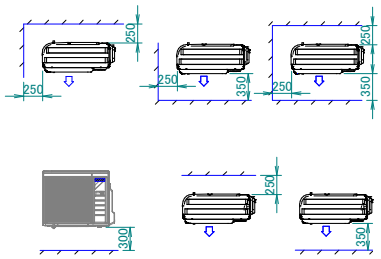
1. 4 holes for anchor bolts M8 OR M10
2. Handle
3. Drain outlet
4. Nameplate
5. Caution label
6. Manufacturer label
7. Service port
8. Wiring intake area
9. Brand name label
10. Gas stop valve ø15.9 CuT
11. Liquid stop valve ø6.4 CuT
12. Product liability label
13. Outdoor air temperature thermistor
14. Pitch of foundation bolt holes
15. Terminal strip with earth terminal




In case of removing the stop valve cover.




Minimum space for air passage
Wall height on air outlet side < 1200 mm

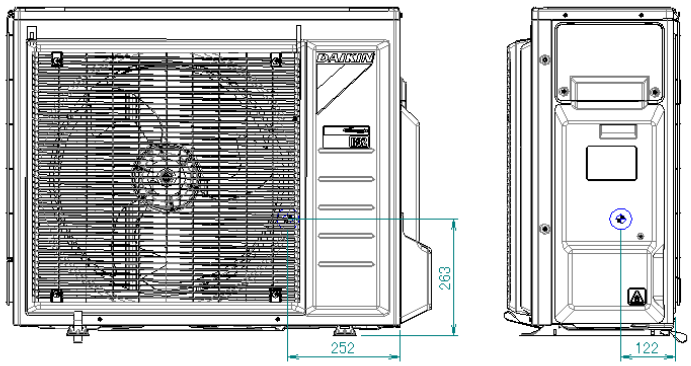



**3D130871A**

# 7 Centre of gravity

## 7 - 1 Centre of Gravity

**ERGA-EV**
**ERGA-EVH**
**ERGA-EVH7**



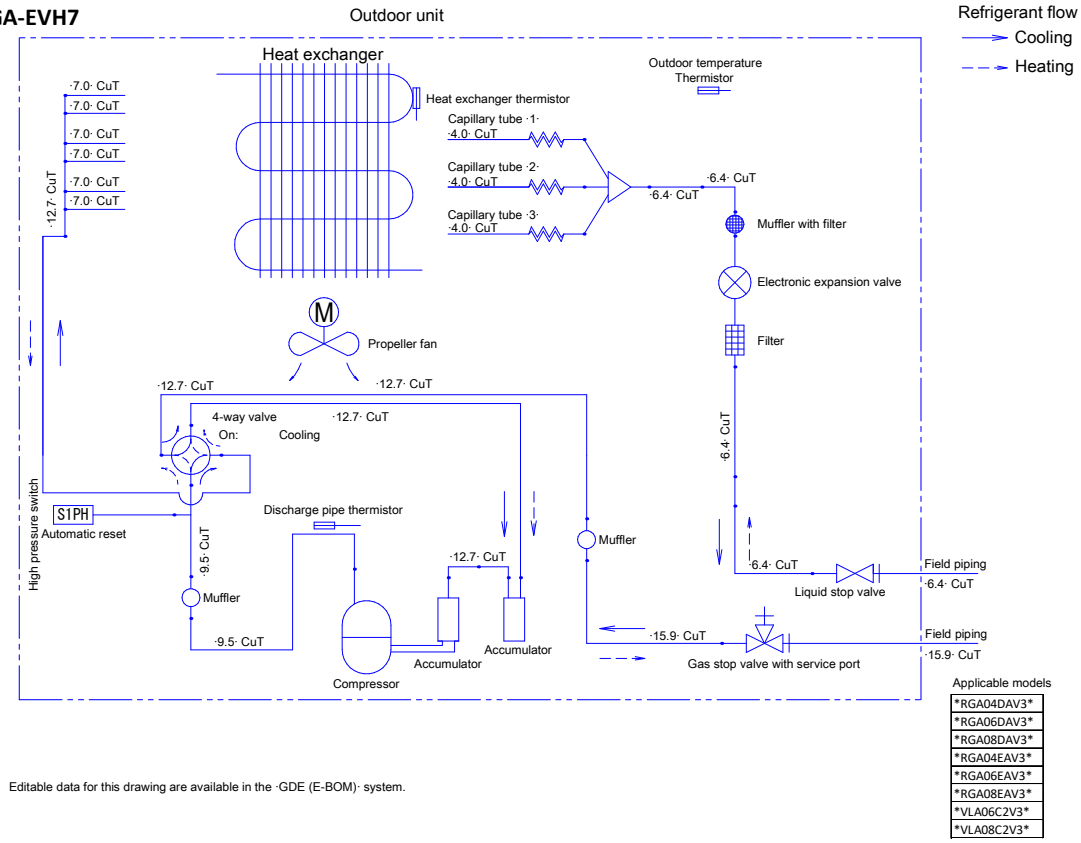

**4D130872A**

# 8 Piping diagrams

## 8 - 1 Piping Diagrams



**ERGA-EV**
**ERGA-EVH**
**ERGA-EVH7**




Applicable models

| |
|---|
| *RGA04DAV3* |
| *RGA06DAV3* |
| *RGA08DAV3* |
| *RGA04EAV3* |
| *RGA06EAV3* |
| *RGA08EAV3* |
| *VLA06C2V3* |
| *VLA08C2V3* |

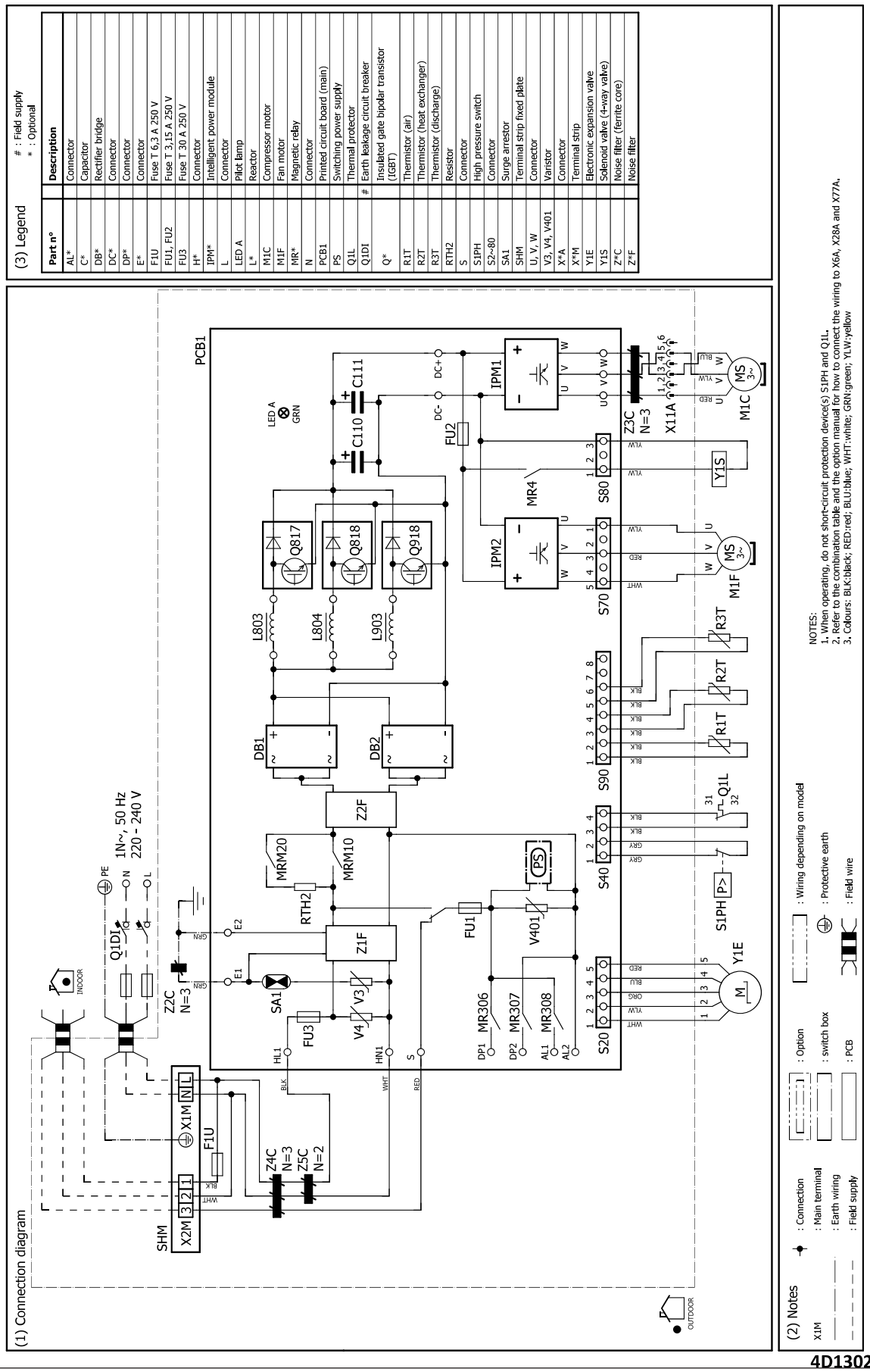
Editable data for this drawing are available in the ·GDE (E-BOM)· system.

**3D110394C**

# 9 Wiring diagrams

## 9 - 1 Wiring Diagrams - Single Phase

**ERGA-EV / ERGA-EVH / ERGA-EVH7**




4D130218

# 10 Sound data

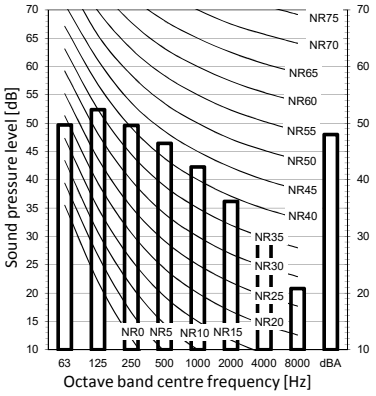
## 10 - 1 Sound Pressure Spectrum - Cooling



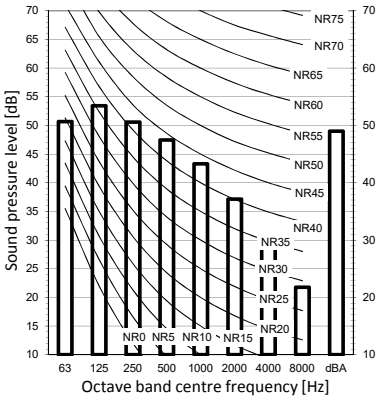
**ERGA-EV**
**ERGA-EVH**
**ERGA-EVH7**

**Cooling**

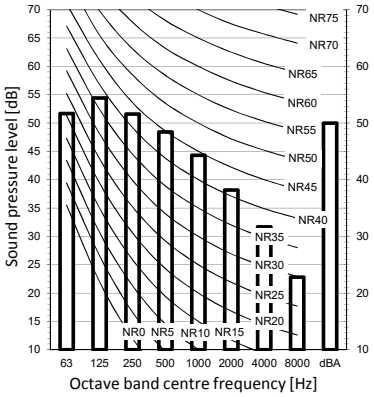
ERGA04*



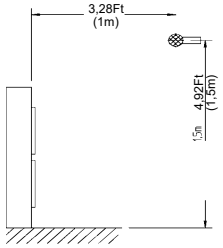

ERGA06*




ERGA08*




Notes
1. Data is valid at free field condition.
   Measured in a semi-anechoic chamber
2. Data is valid at nominal operation condition.
3. dBA = A-weighted sound pressure level (A scale according to IEC).
4. Reference acoustic pressure 0 dB = 20 µPa
5. If the sound is measured under actual installation conditions, the measured value will be higher due to environmental noise and sound reflections.




Measuring location (discharge side)

**3D111595**

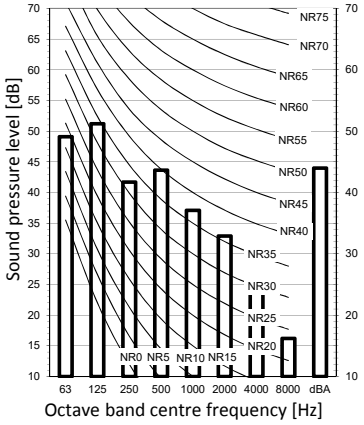
# 10 Sound data

## 10 - 2 Sound Pressure Spectrum - Heating

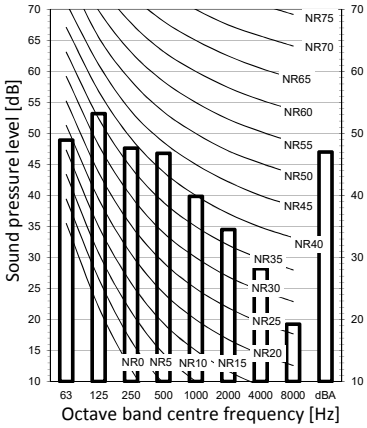
**ERGA-EV**
**ERGA-EVH**
**ERGA-EVH7**

**Heating**

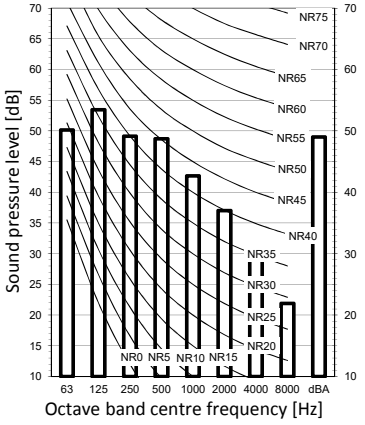
ERGA04*




ERGA06*

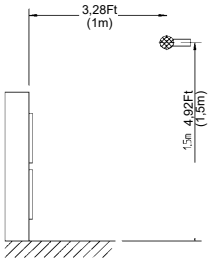



ERGA08*




Notes

1. Data is valid at free field condition.
   Measured in a semi-anechoic chamber
2. Data is valid at nominal operation condition.
3. dBA = A-weighted sound pressure level (A scale according to IEC).
4. Reference acoustic pressure 0 dB = 20 µPa
5. If the sound is measured under actual installation conditions, the measured value will be higher due to environmental noise and sound reflections.




Measuring location (discharge side)

**3D111594A**

# 10 Sound data

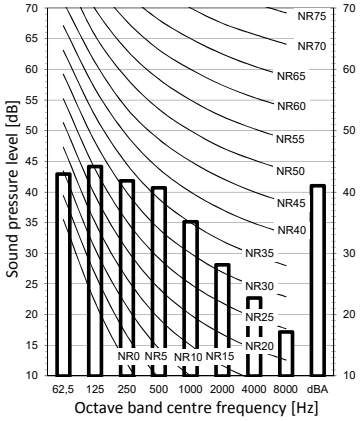
## 10 - 3 Sound Pressure Spectrum Quiet Mode



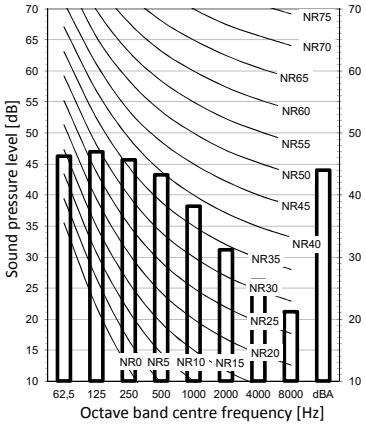
**ERGA-EV**
**ERGA-EVH**
**ERGA-EVH7**

**Heating more quiet mode**

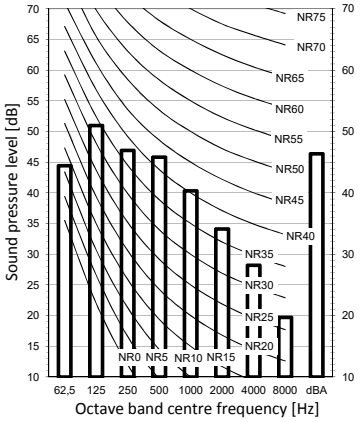
ERGA04*



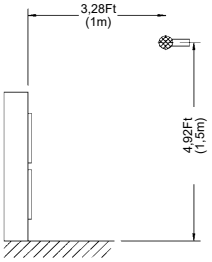

ERGA06*




ERGA08*




Notes
1. Data is valid at free field condition.
   Measured in a semi-anechoic chamber
2. Data is valid at nominal operation condition.
3. dBA = A-weighted sound pressure level (A scale according to IEC).
4. Reference acoustic pressure 0 dB = 20 µPa
5. If the sound is measured under actual installation conditions, the measured value will be higher due to environmental noise and sound reflections.



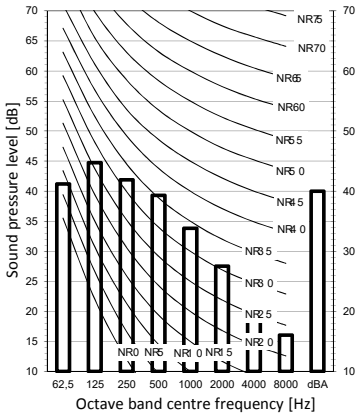

Measuring location (discharge side)

**3D116213**

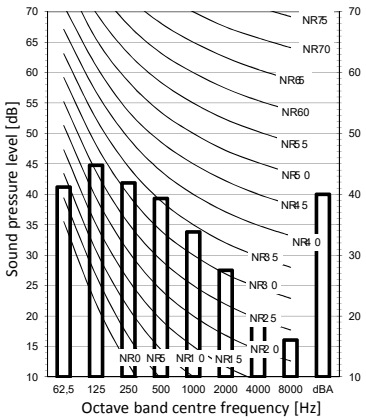
**ERGA-EV**
**ERGA-EVH**
**ERGA-EVH7**

**Heating most quiet mode**

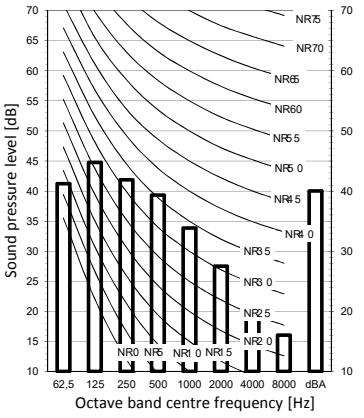
ERGA04*



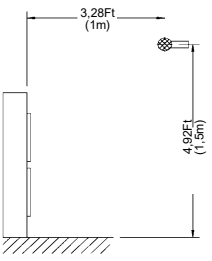

ERGA06*




ERGA08*




Notes
1. Data is valid at free field condition.
   Measured in a semi-anechoic chamber
2. Data is valid at nominal operation condition.
3. dBA = A-weighted sound pressure level (A scale according to IEC).
4. Reference acoustic pressure 0 dB = 20 µPa
5. If the sound is measured under actual installation conditions, the measured value will be higher due to environmental noise and sound reflections.



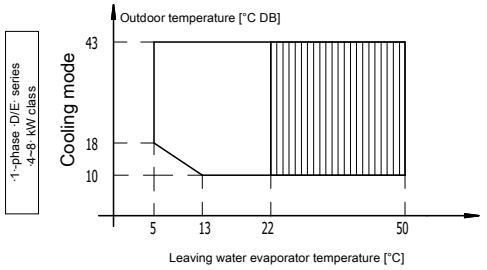

Measuring location (discharge side)

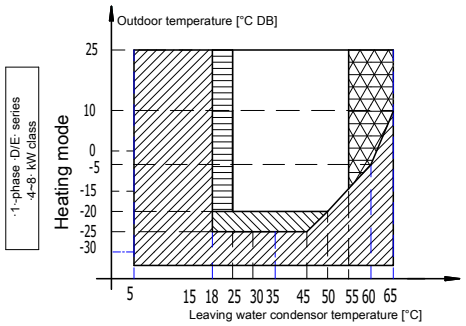
**3D116214**

# 11 Operation range

## 11 - 1 Operation Range

**ERGA-EV**
**ERGA-EVH**
**ERGA-EVH7**




Indoor
·D/E(A/F/G/J)· series Standard

Legend

Backup heater only operation
No outdoor unit operation

Outdoor unit operation if setpoint ≥ ·25°C·

Operation of outdoor unit possible, but with possible capacity reduction.
If the outdoor temperature < –25°C, the outdoor unit will stop.
Indoor unit and backup heater operation will continue.

Pull-down area

Outdoor unit operation if setpoint >·55·°C and ΔT = ·10·°C (ΔT = outlet temperature – inlet temperature)

Remark

In restricted power supply mode, the outdoor unit, booster heater and backup heater can only operate separately.

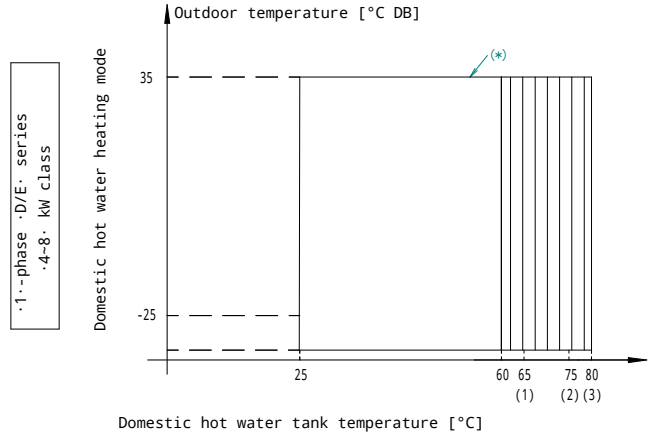
Warning

In areas with low ambient temperatures and high humidity, or in areas with heavy snowfall, remove the suction grille to ensure proper operation.

Non-exhaustive list of areas: Austria, Czech Republic, Denmark, Estonia, Finland, Germany, Hungary, Latvia, Lithuania, Norway, Poland, Romania, Serbia, Slovakia, Sweden, …

**3D111563E**

**ERGA-EV**
**ERGA-EVH**
**ERGA-EVH7**




Legend

Booster heater only operation (if a booster heater is part of the system)

(1) ·EHVH*S*CBV· indoor units only

(2) Combination of ·EKHWS(P)1*DA*· and ·EHB*D/E(A/F)V*· indoor units

(3) Combination of ·EKHWS(P)(2/3)*DA*· and ·EHB*D/E(A/F)V*· indoor units

(*)
System operation: the system consists of an outdoor unit and indoor unit, and depending on the system, a booster heater and/or a backup heater.

Remark

In restricted power supply mode (·EKHW*· only ), the outdoor unit, booster heater and backup heater can only operate separately.

If the outdoor temperature ·<-20·°C, then outdoor unit operation is possible, but with a possible capacity reduction.

If the outdoor temperature < –25°C, the outdoor unit will stop.

Indoor unit and backup heater operation will continue.

**3D111564K**

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EEDEN25 06/2025

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