



Daikin Altherma low
temperature split
Technical Data
ERGA04-08EVA



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ERGA04-08EVA

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1 Features

1 - 1 ERGA04-08EVA

- › 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

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Guaranteed operation down to -25°C




Onecta app (optional)



Online controller

2 Specifications

2 - 1 Specifications

| Technical specifications | | | | | EHBH04E6V + ERGA04EVA | EHBH08E6V + ERGA06EVA | EHBH08E6V + ERGA08EVA | |
|---|-----------------------------------|-------------------------------------|--|---|--|-----------------------|-----------------------|--|
| Heating capacity | Nom. | | kW | | 4.30 (1) / 4.60 (2) | 6.00 (1) / 5.90 (2) | 7.50 (1) / 7.80 (2) | |
| Power input | Heating | Nom. | kW | | 0.850 (1) / 1.26 (2) | 1.24 (1) / 1.69 (2) | 1.63 (1) / 2.23 (2) | |
| COP | | | | | 5.10 (1) / 3.65 (2) | 4.85 (1) / 3.50 (2) | 4.60 (1) / 3.50 (2) | |
| Pump | Nominal ESP unit | Heating | kPa | | 59.6 (1) / 58.6 (2) | 52.4 (1) / 52.9 (2) | 43.3 (1) / 41.2 (2) | |
| Water side Heat exchanger | Water flow rate | Heating | Nom. | l/min | 12.3 (1) / 13.2 (2) | 17.2 (1) / 16.9 (2) | 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) | Indoor | | dB(A) | | | 42 | | |
| LW(A) Sound power level (according to EN14825) | Outdoor | | dB(A) | 58 | 60 | 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 | 2,280.0 | 2,520.0 | 2,770.0 | | |
| | | Other | Capacity control | Inverter | | | | |
| | | Pck (Crankcase heater mode) | kW | 0.000 | | | | |
| | | Poff (Off mode) | kW | 0.010 | | | | |
| | | Psb (Standby mode) | kW | 0.010 | | | | |
| | | Pto (Thermostat off) | kW | 0.010 | | | | |
| | 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 | 4,456 | 4,731 | |
| | | | ηs (Seasonal space heating efficiency) | % | 127 | | | |
| | | Prated at -10°C | kW | 6.0 | 7.0 | 7.5 | | |
| | | Qhe Annual energy consumption (GCV) | Gj | 13.7 | 16.0 | 17.0 | | |
| | | SCOP | | 3.26 | 3.25 | 3.27 | | |
| | | Seasonal space heating eff. class | | A++ | | | | |
| | | A Condition (-7°CDB) | CdH (Degradation heating) | | 1.0 | | | |
| | COPd | | | 1.97 | 1.98 | 1.98 | | |
| | PdH | | kW | 5.3 | 5.9 | 5.9 | | |
| | B Condition (2°CDB/1°CWB) | PERd | | 79 | | | | |
| | | CdH (Degradation heating) | | 1.0 | | | | |
| | | COPd | | 3.23 | 3.16 | 3.18 | | |

2 Specifications

2 - 1 Specifications

| Technical specifications | | | | EHBH04E6V + ERGA04EVA | EHBH08E6V + ERGA06EVA | EHBH08E6V + ERGA08EVA | |
|-----------------------------------|--|--|------|-----------------------|-----------------------|-----------------------|------|
| Space heating | Average climate water outlet 55°C | B Condition (2°C CD- B/1°C CWB) | Pdh | kW | 3.3 | 3.9 | 4.1 |
| | | | PERd | % | 129 | 126 | 127 |
| | C Condition (7°C CD- B/6°C CWB) | Cdh (Degradation heating) | | | | 1.0 | |
| | | COPd | | 4.40 | | 4.49 | 4.54 |
| | | Pdh | kW | | | 3.0 | |
| | | PERd | % | 176 | | 180 | 182 |
| | D Condition (12°C CD- B/11°C CWB) | Cdh (Degradation heating) | | | | 1.0 | |
| | | COPd | | | 6.10 | | 6.16 |
| | | Pdh | kW | | 3.3 | | 3.7 |
| | | PERd | % | | 244 | | 246 |
| | Tol (temperature operating limit) | COPd | | | 1.37 | | 1.43 |
| | | Pdh | kW | | 4.0 | | 4.5 |
| | | PERd | % | | 55 | | 57 |
| | | TOL | °C | | | -10 | |
| | Rated heat output supplementary capacity | WTOL | | | | 55 | |
| | | Psup (at Tdesign -10°C) | kW | | 2.0 | 2.5 | 3.0 |
| | | Tbiv | COPd | | 1.97 | 2.12 | 2.18 |
| | | (bivalent temperature) | Pdh | kW | | 5.3 | 6.1 |
| | PERd | | % | | 79 | 85 | 87 |
| | Tbiv | | °C | | -7 | | -6 |
| Cold climate water outlet 55°C | General | Annual energy consumption | | 4,468 | 5,325 | 7,066 | |
| | | ηs (Seasonal space heating efficiency) | % | 107 | 108 | 109 | |
| | | Prated at -22°C | kW | 5.0 | 6.0 | 8.0 | |
| | | Prated at 2°C | kW | 4.7 | 5.6 | 6.0 | |
| Warm climate water outlet 55°C | General | Annual energy consumption | | 1,660 | 1,858 | 1,983 | |
| | | ηs (Seasonal space heating efficiency) | % | 148 | 158 | 159 | |
| | | Prated at 2°C | kW | 4.7 | 5.6 | 6.0 | |
| | | Prated at -10°C | kW | 6.0 | 7.0 | 8.0 | |
| Average climate water outlet 35°C | General | Annual energy consumption | | 2,766 | 3,233 | 3,625 | |
| | | ηs (Seasonal space heating efficiency) | % | 176 | | 179 | |
| | | Prated at -10°C | kW | 6.0 | 7.0 | 8.0 | |
| | | Qhe Annual energy consumption (GCV) | Gj | 9.96 | 11.6 | 13.1 | |
| | | SCOP | | 4.48 | 4.47 | 4.56 | |
| | | Seasonal space heating eff. class | | | A+++ | | |
| | | A Condition (-7°C CD- B/-8°C CWB) | COPd | | 2.90 | 2.86 | 2.77 |
| B Condition (2°C CD/1°C CWB) | Pdh | kW | | 5.5 | 6.0 | 7.0 | |
| | PERd | % | | 116 | 114 | 111 | |
| B Condition (2°C CD/1°C CWB) | Cdh (Degradation heating) | | | | 1.0 | | |
| | COPd | | 4.33 | | 4.25 | 4.35 | |

2 Specifications

2 - 1 Specifications

| Technical specifications | | | | EHBH04E6V + ERGA04EVA | EHBH08E6V + ERGA06EVA | EHBH08E6V + ERGA08EVA | |
|--------------------------------|-----------------------------------|--|--|-----------------------|-----------------------|-----------------------|------|
| Space heating | Average climate water outlet | B Condition (2°C- B/1°CWB) | Pdh kW | 3.3 | 3.9 | 4.2 | |
| | | | PERd % | 173 | 170 | 174 | |
| | 35°C | C Condition (7°C- B/6°CWB) | Cdh (Degradation heating) | | 1.0 | | |
| | | | | COPd | 6.19 | 6.30 | 6.49 |
| | | | Pdh kW | | 3.2 | 3.3 | |
| | | | PERd % | 248 | 252 | 260 | |
| | D Condition (12°C- B/11°CWB) | Cdh (Degradation heating) | | 1.0 | | | |
| | | | COPd | | 7.78 | 8.52 | |
| | | | Pdh kW | | 3.3 | 3.9 | |
| | Tol (temperature operating limit) | | PERd % | | 311 | 341 | |
| | | | TOL °C | | -10 | | |
| | | | WTOL °C | | 35 | | |
| | | | COPd | 2.56 | 2.49 | 2.41 | |
| | Tbiv (bivalent temperature) | | Pdh kW | 5.2 | 6.0 | 6.9 | |
| | | | PERd % | 102 | 100 | 96 | |
| | | | Tbiv °C | | -7 | -8 | |
| | | | Psup (at Tdesign -10°C) kW | 0.8 | | 1.0 | |
| | Cold climate water outlet 35°C | General | Annual energy consumption kWh | 3,230 | 3,749 | 5,052 | |
| | | | ηs (Seasonal space heating efficiency) % | 150 | 155 | 153 | |
| | | | Prated at -22°C kW | 5.0 | 6.0 | 8.0 | |
| Warm climate water outlet 35°C | General | Annual energy consumption kWh | 1,139 | 1,276 | 1,437 | | |
| | | ηs (Seasonal space heating efficiency) % | 241 | 248 | 257 | | |
| | | Prated at 2°C kW | 5.2 | 6.0 | 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 + ERGA06EVA | EHBH08E9W + ERGA08EVA | |
|--|-------------------------------|---------------------------------------|------------|--|-----------------------|---|
| Heating capacity | Nom. | | kW | 6.00 (1) / 5.90 (2) | 7.50 (1) / 7.80 (2) | |
| Power input | Heating | Nom. | kW | 1.24 (1) / 1.69 (2) | 1.63 (1) / 2.23 (2) | |
| COP | | | | 4.85 (1) / 3.50 (2) | 4.60 (1) / 3.50 (2) | |
| Pump | Nominal ESP | Heating unit | kPa | 52.4 (1) / 52.9 (2) | 43.3 (1) / 41.2 (2) | |
| Water side Heat exchanger | Water flow rate | Heating | Nom. | l/min | 17.2 (1) / 16.9 (2) | 21.5 (1) / 22.4 (2) |
| General | Supplier/Manufacturer details | Name and address Name or trademark | | | | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium 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) | Indoor | | dB(A) | 42 | | |
| LW(A) Sound power level (according to EN14825) | Outdoor | | dB(A) | 60 | 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) | m³/h | 2,520.0 | 2,770.0 | |
| Other | Capacity control | | Inverter | | | |
| | Pck (Crankcase heater mode) | | kW | | | 0.000 |
| | Poff (Off mode) | | kW | | | 0.010 |
| | Psb (Standby mode) | | kW | | | 0.010 |
| | Pto (Thermostat off) | | kW | | | 0.010 |
| Integrated supplementary heater | Psup | | kW | | | 9.0 |
| | Type of energy input | | Electrical | | | |

2 Specifications

2 - 1 Specifications

| Technical specifications | | | EHBH08E9W + ERGA06EVA | | EHBH08E9W + ERGA08EVA | |
|--|-----------------------------------|--|--|---------------------------|-----------------------|-------|
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 4,456 | 4,731 |
| | | | ηs (Seasonal space heating efficiency) | % | 127 | 128 |
| | | | Prated at -10°C | kW | 7.0 | 7.5 |
| | | | Qhe Annual energy consumption (GCV) | Gj | 16.0 | 17.0 |
| | | | SCOP | | 3.25 | 3.27 |
| | | | Seasonal space heating eff. class | | | A++ |
| | | A Condition (-7°CDB/1°CWB) | Cdh (Degradation heating) | | | 1.0 |
| | | | COPd | | | 1.98 |
| | | | Pdh | kW | | 5.9 |
| | | | PERd | % | | 79 |
| | | B Condition (2°CDB/1°CWB) | Cdh (Degradation heating) | | | 1.0 |
| | | | COPd | | 3.16 | 3.18 |
| | | Space heating | Average climate water outlet 55°C | B Condition (2°CDB/1°CWB) | Pdh | kW |
| | PERd | | | % | 126 | 127 |
| C Condition (7°CDB/6°CWB) | Cdh (Degradation heating) | | | | | 1.0 |
| | COPd | | | | 4.49 | 4.54 |
| | Pdh | | | kW | | 3.0 |
| | PERd | | | % | 180 | 182 |
| D Condition (12°CDB/11°CWB) | Cdh (Degradation heating) | | | | | 1.0 |
| | COPd | | | | 6.10 | 6.16 |
| | Pdh | | | kW | 3.3 | 3.7 |
| | PERd | | | % | 244 | 246 |
| Tol (temperature operating limit) | COPd | | | | | 1.43 |
| | Pdh | | | kW | | 4.5 |
| | PERd | | | % | | 57 |
| | TOL | °C | | -10 | | |
| | WTOL | °C | | 55 | | |
| Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 2.5 | | 3.0 | |
| Tbiv (bivalent temperature) | COPd | | 2.12 | | 2.18 | |
| | Pdh | kW | 6.1 | | 6.4 | |
| | PERd | % | 85 | | 87 | |
| | Tbiv | °C | | -6 | | |
| Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 5,325 | 7,066 | |
| | | ηs (Seasonal space heating efficiency) | % | 108 | 109 | |
| | | Prated at -22°C | kW | 6.0 | 8.0 | |
| Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 1,858 | 1,983 | |
| | | ηs (Seasonal space heating efficiency) | % | 158 | 159 | |
| | | Prated at 2°C | kW | 5.6 | 6.0 | |
| Average climate water outlet 35°C | General | Annual energy consumption | kWh | 3,233 | 3,625 | |
| | | ηs (Seasonal space heating efficiency) | % | 176 | 179 | |
| | | Prated at -10°C | kW | 7.0 | 8.0 | |
| | | Qhe Annual energy consumption (GCV) | Gj | 11.6 | 13.1 | |
| | | SCOP | | 4.47 | 4.56 | |
| | | Seasonal space heating eff. class | | | A+++ | |
| | | A Condition (-7°CDB/1°CWB) | COPd | | 2.86 | 2.77 |
| | | | Pdh | kW | 6.0 | 7.0 |
| | | | PERd | % | 114 | 111 |
| | | B Condition (2°CDB/1°CWB) | Cdh (Degradation heating) | | | 1.0 |
| | COPd | | 4.25 | 4.35 | | |

2 Specifications

2 - 1 Specifications

| Technical specifications | | | | EHBH08E9W + ERGA06EVA | | EHBH08E9W + ERGA08EVA | |
|--------------------------------|-----------------------------------|--|--|-------------------------|-------|-----------------------|------|
| Space heating | Average climate water outlet | B Condition (2°CΔ- B/1°CWB) | Pdh | kW | 3.9 | | 4.2 |
| | | | PERd | % | 170 | | 174 |
| | 35°C | C Condition (7°CΔ- B/6°CWB) | Cdh (Degradation heating) | | | 1.0 | |
| | | | COPd | | 6.30 | | 6.49 |
| | | | Pdh | kW | 3.2 | | 3.3 |
| | | | PERd | % | 252 | | 260 |
| | | D Condition (12°CΔ- B/11°CWB) | Cdh (Degradation heating) | | | 1.0 | |
| | | | COPd | | 7.78 | | 8.52 |
| | | | Pdh | kW | 3.3 | | 3.9 |
| | | | PERd | % | 311 | | 341 |
| | Tol (temperature operating limit) | | COPd | | 2.49 | | 2.41 |
| | | | Pdh | kW | 6.0 | | 6.9 |
| | | | PERd | % | 100 | | 96 |
| | | | TOL | °C | | -10 | |
| | | | WTOL | °C | | 35 | |
| | | | Tbiv (bivalent temperature) | COPd | | 3.07 | |
| | | | Pdh | kW | 6.1 | | 7.5 |
| | | | PERd | % | 123 | | 106 |
| | | | Tbiv | °C | -6 | | -8 |
| | | | 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 | 5,052 | |
| | | ηs (Seasonal space heating efficiency) | | % | 155 | 153 | |
| | | Prated at -22°C | | kW | 6.0 | 8.0 | |
| Warm climate water outlet 35°C | General | Annual energy consumption | | kWh | 1,276 | 1,437 | |
| | | ηs (Seasonal space heating efficiency) | | % | 248 | 257 | |
| | | Prated at 2°C | | kW | 6.0 | 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 | | | | EHBX04E6V + ERGA04EVA | | EHBX08E6V + ERGA06EVA | | EHBX08E6V + ERGA08EVA | |
|--|---------------------------------|------------------------------|------|--|--|-----------------------|--|-----------------------|--|
| Heating capacity | Nom. | | | 4.30 (1) / 4.60 (2) | | 6.00 (1) / 5.90 (2) | | 7.50 (1) / 7.80 (2) | |
| Cooling capacity | Nom. | | | 4.86 (1) / 4.52 (2) | | 5.96 (1) / 5.09 (2) | | 6.25 (1) / 5.44 (2) | |
| Power input | Heating | Nom. | | 0.850 (1) / 1.126 (2) | | 1.24 (1) / 1.69 (2) | | 1.63 (1) / 2.23 (2) | |
| | Cooling | Nom. | | 0.810 (1) / 1.36 (2) | | 1.06 (1) / 1.55 (2) | | 1.16 (1) / 1.73 (2) | |
| COP | | | | 5.10 (1) / 3.65 (2) | | 4.85 (1) / 3.50 (2) | | 4.60 (1) / 3.50 (2) | |
| EER | | | | 5.98 (1) / 3.32 (2) | | 5.61 (1) / 3.28 (2) | | 5.40 (1) / 3.14 (2) | |
| Pump | Nominal ESP unit | Cooling | | 54.6 (1) / 58.8 (2) | | 52.6 (1) / 56.7 (2) | | 51.1 (1) / 55.1 (2) | |
| | | Heating | | 59.6 (1) / 58.6 (2) | | 52.4 (1) / 52.9 (2) | | 43.3 (1) / 41.2 (2) | |
| Water side Heat exchanger | Water flow rate | Cooling | Nom. | 15.9 (1) / 13.0 (2) | | 17.1 (1) / 14.6 (2) | | 17.9 (1) / 15.6 (2) | |
| | | Heating | Nom. | 12.3 (1) / 13.2 (2) | | 17.2 (1) / 16.9 (2) | | 21.5 (1) / 22.4 (2) | |
| General | Supplier/Manufacturer details | Name and address | | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium | | | | | |
| | Product description | Name or trademark | | Daikin Europe N.V. | | | | | |
| | | 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) | Indoor | | | 42 | | | | | |
| LW(A) Sound power level (according to EN14825) | Outdoor | | | 58 | | 60 | | 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 | | | | EHBX04E6V + ERGA04EVA | EHBX08E6V + ERGA06EVA | EHBX08E6V + ERGA08EVA | |
|-----------------------------------|-----------------------------------|--|--|-----------------------|-----------------------|-----------------------|-------|
| Space heating general | Air to water unit | Rated airflow (outdoor) | m ³ /h | 2,280.0 | 2,520.0 | 2,770.0 | |
| | Other | Capacity control | | | Inverter | | |
| | | Pck (Crankcase heater mode) | kW | | 0.000 | | |
| | | Poff (Off mode) | kW | | 0.010 | | |
| | | Psb (Standby mode) | kW | | 0.010 | | |
| | | Pto (Thermostat off) | kW | | 0.010 | | |
| | 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 | 4,419 | 4,694 |
| | | | ηs (Seasonal space heating efficiency) | % | 129 | 128 | 129 |
| | | | Prated at -10°C | kW | 6.0 | 7.0 | 7.5 |
| | | | Qhe Annual energy consumption (GCV) | Gj | 13.6 | 15.9 | 16.9 |
| | | | SCOP | | 3.29 | 3.27 | 3.30 |
| | | | Seasonal space heating eff. class | | | A++ | |
| | | A Condition (-7°CDB/-8°CWB) | Cdh (Degradation heating) | | | 1.0 | |
| Space heating | Average climate water outlet 55°C | A Condition (-7°CDB/-8°CWB) | COPd | | 1.97 | | 1.98 |
| | | | Pdh | kW | 5.3 | | 5.9 |
| | | | PERd | % | | 79 | |
| | | B Condition (2°CDB/1°CWB) | Cdh (Degradation heating) | | | 1.0 | |
| | | | COPd | | 3.23 | | 3.18 |
| | | | Pdh | kW | 3.3 | | 4.1 |
| | | | PERd | % | 129 | | 127 |
| | | C Condition (7°CDB/6°CWB) | Cdh (Degradation heating) | | | 1.0 | |
| | | | COPd | | 4.40 | | 4.54 |
| | | | Pdh | kW | | 3.0 | |
| | | | PERd | % | 176 | | 182 |
| | | D Condition (12°CDB/11°CWB) | Cdh (Degradation heating) | | | 1.0 | |
| | | | COPd | | | 6.10 | |
| | | | Pdh | kW | | 3.3 | |
| | | | PERd | % | | 244 | |
| | | Tol (temperature operating limit) | COPd | | 1.37 | | 1.43 |
| | | | Pdh | kW | 4.0 | | 4.5 |
| | | | PERd | % | 55 | | 57 |
| | | | TOL | °C | | -10 | |
| | | | WTOL | °C | | 55 | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 2.0 | 2.5 | 3.0 |
| | | Tbiv (bivalent temperature) | COPd | | 1.97 | 2.12 | 2.18 |
| | | | Pdh | kW | 5.3 | 6.1 | 6.4 |
| | | | PERd | % | 79 | 85 | 87 |
| | | | Tbiv | °C | -7 | | -6 |
| Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 4,446 | 5,303 | 7,044 | |
| | | ηs (Seasonal space heating efficiency) | % | 108 | | 109 | |
| | | Prated at -22°C | kW | 5.0 | 6.0 | 8.0 | |
| Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 1,616 | 1,813 | 1,939 | |
| | | ηs (Seasonal space heating efficiency) | % | 152 | | 162 | |
| | | Prated at 2°C | kW | 4.7 | 5.6 | 6.0 | |
| Average climate water outlet 35°C | General | Annual energy consumption | kWh | 2,729 | 3,196 | 3,588 | |
| | | ηs (Seasonal space heating efficiency) | % | 179 | 178 | 181 | |
| | | Prated at -10°C | kW | 6.0 | 7.0 | 8.0 | |
| | | Qhe Annual energy consumption (GCV) | Gj | 9.82 | 11.5 | 12.9 | |
| | | SCOP | | 4.54 | 4.52 | 4.61 | |
| | | Seasonal space heating eff. class | | | | A+++ | |

2 Specifications

2 - 1 Specifications

| Technical specifications | | | | EHBX04E6V + ERGA04EVA | EHBX08E6V + ERGA06EVA | EHBX08E6V + ERGA08EVA | |
|--|--|--|-------------------------------|-----------------------|-----------------------|-----------------------|-------|
| Space heating | Average climate water outlet 35°C | A Condition | COPd | 2.90 | 2.86 | 2.77 | |
| | | (-7°CDB/8°CWB) | Pdh kW | 5.5 | 6.0 | 7.0 | |
| | | | PERd % | 116 | 114 | 111 | |
| | B Condition (2°CDB/11°CWB) | Cdh (Degradation heating) | | | 1.0 | | |
| | | | COPd | 4.33 | 4.25 | 4.35 | |
| | | | Pdh kW | 3.3 | 3.9 | 4.2 | |
| | C Condition (7°CDB/6°CWB) | Cdh (Degradation heating) | | | 1.0 | | |
| | | | COPd | 6.19 | 6.30 | 6.49 | |
| | | | Pdh kW | 3.2 | 3.3 | 3.3 | |
| | D Condition (12°CDB/11°CWB) | Cdh (Degradation heating) | | | 1.0 | | |
| | | | COPd | 7.78 | | 8.52 | |
| | | | Pdh kW | 3.3 | | 3.9 | |
| | Tol (temperature operating limit) | Cdh (Degradation heating) | | | 311 | | 341 |
| | | | COPd | 2.56 | 2.49 | 2.41 | |
| | | | Pdh kW | 5.2 | 6.0 | 6.9 | |
| | | | PERd % | 102 | 100 | 96 | |
| | Tbiv (bivalent temperature) | TOL °C | | | -10 | | |
| | | WTOL °C | | | 35 | | |
| | | | COPd | 2.90 | 3.07 | 2.66 | |
| | | | Pdh kW | 5.5 | 6.1 | 7.5 | |
| | Rated heat output supplementary capacity | PERd % | | | 123 | | 106 |
| | | Tbiv °C | | | -6 | | -8 |
| | | Psup (at Tdesign -10°C) kW | | | 0.8 | 1.0 | |
| | Cold climate water outlet 35°C | General | Annual energy consumption kWh | | 3,208 | 3,727 | 5,030 |
| ηs (Seasonal space heating efficiency) % | | | 151 | 156 | 154 | | |
| Prated at -22°C kW | | | 5.0 | 6.0 | 8.0 | | |
| Warm climate water outlet 35°C | General | Annual energy consumption kWh | | 1,095 | 1,231 | 1,393 | |
| | | ηs (Seasonal space heating efficiency) % | | 251 | 257 | 266 | |
| | | Prated at 2°C kW | | 5.2 | 6.0 | 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 + ERGA06EVA | EHBX08E9W + ERGA08EVA |
|--|-------------------------------|---|------------|--|-----------------------|
| Heating capacity | Nom. | | kW | 6.00 (1) / 5.90 (2) | 7.50 (1) / 7.80 (2) |
| Cooling capacity | Nom. | | kW | 5.96 (1) / 5.09 (2) | 6.25 (1) / 5.44 (2) |
| Power input | Heating | Nom. | kW | 1.24 (1) / 1.69 (2) | 1.63 (1) / 2.23 (2) |
| | Cooling | Nom. | kW | 1.06 (1) / 1.55 (2) | 1.16 (1) / 1.73 (2) |
| COP | | | | 4.85 (1) / 3.50 (2) | 4.60 (1) / 3.50 (2) |
| EER | | | | 5.61 (1) / 3.28 (2) | 5.40 (1) / 3.14 (2) |
| Pump | Nominal ESP unit | Cooling | kPa | 52.6 (1) / 56.7 (2) | 51.1 (1) / 55.1 (2) |
| | | Heating | kPa | 52.4 (1) / 52.9 (2) | 43.3 (1) / 41.2 (2) |
| Water side Heat exchanger | Water flow rate | Cooling | Nom. l/min | 17.1 (1) / 14.6 (2) | 17.9 (1) / 15.6 (2) |
| | | Heating | Nom. l/min | 17.2 (1) / 16.9 (2) | 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) | Indoor | | dB(A) | 42 | |
| LW(A) Sound power level (according to EN14825) | Outdoor | | dB(A) | 60 | 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 + ERGA06EVA | | EHBX08E9W + ERGA08EVA | | |
|--------------------------|-----------------------------------|--|--|-----------------------|-------|-----------------------|-------|--|
| Space heating general | Air to water unit | Rated airflow (outdoor) | m ³ /h | 2,520.0 | | 2,770.0 | | |
| | Other | Capacity control | | Inverter | | | | |
| | | Pck (Crankcase heater mode) | kW | 0.000 | | | | |
| | | Poff (Off mode) | kW | 0.010 | | | | |
| | | Psb (Standby mode) | kW | 0.010 | | | | |
| | | Pto (Thermostat off) | kW | 0.010 | | | | |
| | 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 | 4,419 | | 4,694 | |
| | | | ηs (Seasonal space heating efficiency) | % | 128 | | 129 | |
| | | | Prated at -10°C | kW | 7.0 | | 7.5 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 15.9 | | 16.9 | |
| | | | SCOP | | 3.27 | | 3.30 | |
| | | | Seasonal space heating eff. class | | A++ | | | |
| | | A Condition (-7°CDB/-8°CWB) | Cdh (Degradation heating) | | 1.0 | | | |
| Space heating | Average climate water outlet 55°C | A Condition (-7°CDB/-8°CWB) | COPd | | 1.98 | | | |
| | | | Pdh | kW | 5.9 | | | |
| | | | PERd | % | 79 | | | |
| | | B Condition (2°CDB/1°CWB) | Cdh (Degradation heating) | | 1.0 | | | |
| | | | COPd | | 3.16 | | 3.18 | |
| | | | Pdh | kW | 3.9 | | 4.1 | |
| | | | PERd | % | 126 | | 127 | |
| | | C Condition (7°CDB/6°CWB) | Cdh (Degradation heating) | | 1.0 | | | |
| | | | COPd | | 4.49 | | 4.54 | |
| | | | Pdh | kW | 3.0 | | 3.0 | |
| | | | PERd | % | 180 | | 182 | |
| | | D Condition (12°CDB/11°CWB) | Cdh (Degradation heating) | | 1.0 | | | |
| | | | COPd | | 6.10 | | 6.16 | |
| | | | Pdh | kW | 3.3 | | 3.7 | |
| | | | PERd | % | 244 | | 246 | |
| | | Tol (temperature operating limit) | COPd | | 1.43 | | | |
| | | | Pdh | kW | 4.5 | | | |
| | | | PERd | % | 57 | | | |
| | | | TOL | °C | -10 | | | |
| | | | WTOL | °C | 55 | | | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 2.5 | | 3.0 | |
| | | Tbiv (bivalent temperature) | COPd | | 2.12 | | 2.18 | |
| | | | Pdh | kW | 6.1 | | 6.4 | |
| | | | PERd | % | 85 | | 87 | |
| | | | Tbiv | °C | -6 | | | |
| | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 5,303 | | 7,044 | |
| | | | ηs (Seasonal space heating efficiency) | % | 109 | | | |
| | | | Prated at -22°C | kW | 6.0 | | 8.0 | |
| | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 1,813 | | 1,939 | |
| | | | ηs (Seasonal space heating efficiency) | % | 162 | | | |
| | | | Prated at 2°C | kW | 5.6 | | 6.0 | |
| | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 3,196 | | 3,588 | |
| | | | ηs (Seasonal space heating efficiency) | % | 178 | | 181 | |
| | | | Prated at -10°C | kW | 7.0 | | 8.0 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 11.5 | | 12.9 | |
| | | | SCOP | | 4.52 | | 4.61 | |
| | | | Seasonal space heating eff. class | | A+++ | | | |

2 Specifications

2 - 1 Specifications

| Technical specifications | | | | EHBX08E9W + ERGA06EVA | | EHBX08E9W + ERGA08EVA | | |
|--|--------------------------------|--|-------------------------------|---------------------------|-------|-----------------------|------|--|
| Space heating | Average climate | A Condition (-7°CDB) | COPd | 2.86 | | 2.77 | | |
| | | | Pdh kW | 6.0 | | 7.0 | | |
| | water outlet 35°C | B/-8°CWB | PERd % | 114 | | 111 | | |
| | | | Cdh (Degradation heating) | | 1.0 | | | |
| | B Condition (2°CDB) | | COPd | 4.25 | | 4.35 | | |
| | | | Pdh kW | 3.9 | | 4.2 | | |
| | | | PERd % | 170 | | 174 | | |
| | C Condition (7°CDB) | | Cdh (Degradation heating) | | 1.0 | | | |
| | | | COPd | 6.30 | | 6.49 | | |
| | | | Pdh kW | 3.2 | | 3.3 | | |
| | B/6°CWB | | PERd % | 252 | | 260 | | |
| | | D Condition (12°CDB) | | Cdh (Degradation heating) | | 1.0 | | |
| | | | | COPd | 7.78 | | 8.52 | |
| | | | Pdh kW | 3.3 | | 3.9 | | |
| | B/11°CWB | | PERd % | 311 | | 341 | | |
| | | Tol (temperature operating limit) | | COPd | 2.49 | | 2.41 | |
| | | | | Pdh kW | 6.0 | | 6.9 | |
| | | | PERd % | 100 | | 96 | | |
| | | | TOL °C | | -10 | | | |
| | | | WTOL °C | | 35 | | | |
| Tbiv (bivalent temperature) | | COPd | 3.07 | | 2.66 | | | |
| | | Pdh kW | 6.1 | | 7.5 | | | |
| | | PERd % | 123 | | 106 | | | |
| | | Tbiv °C | -6 | | -8 | | | |
| Rated heat output supplementary capacity | | Psup (at Tdesign -10°C) | | 1.0 | | | | |
| | Cold climate water outlet 35°C | General | Annual energy consumption kWh | 3,727 | | 5,030 | | |
| | | ηs (Seasonal space heating efficiency) % | 156 | | 154 | | | |
| | | Prated at -22°C kW | 6.0 | | 8.0 | | | |
| Warm climate water outlet 35°C | General | Annual energy consumption kWh | 1,231 | | 1,393 | | | |
| | | ηs (Seasonal space heating efficiency) % | 257 | | 266 | | | |
| | | Prated at 2°C kW | 6.0 | | 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 | | | | EHS04P30E + ERGA04EVA | EHS08P30E + ERGA06EVA | EHS08P50E + ERGA06EVA | EHS08P30E + ERGA08EVA | EHS08P50E + ERGA08EVA | |
|--|--|---------------------------------|------------------|--|-----------------------|-----------------------|-----------------------|-----------------------|--|
| Heating capacity | Nom. | | kW | 4.30 (1) / 4.60 (2) | 6.00 (1) / 5.90 (2) | | 7.50 (1) / 7.80 (2) | | |
| Power input | Heating | Nom. | kW | 0.840 (1) / 1.26 (2) | 1.24 (1) / 1.69 (2) | | 1.63 (1) / 2.23 (2) | | |
| COP | | | | 5.10 (1) / 3.65 (2) | 4.85 (1) / 3.50 (2) | | 4.60 (1) / 3.50 (2) | | |
| Pump | Type | | | Grundfos UPM3 K 20-75 CHBL FS2 DMGG | | | | | |
| Water side Heat exchanger | Water flow rate | Heating | Nom. | l/min | 12.3 (1) / 13.2 (2) | | 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) | Indoor | | dB(A) | 39 | | | | |
| | LW(A) Sound power level (according to EN14825) | Outdoor | | dB(A) | 58 | 60 | | 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) | | m³/h | 2,280 | 2,520 | | 2,770 | |
| | | Other | Capacity control | | Inverter | | | | |
| | Pck (Crankcase heater mode) | | kW | 0.000 | | | | | |
| | Poff (Off mode) | | kW | 0.010 | | | | | |
| | Psb (Standby mode) | | kW | 0.010 | | | | | |
| | Pto (Thermostat off) | | kW | 0.010 | | | | | |

2 Specifications

2 - 1 Specifications

| Technical specifications | | | EHS04P30E + ERGA04EVA | EHS08P30E + ERGA06EVA | EHS08P50E + ERGA06EVA | EHS08P30E + ERGA08EVA | EHS08P50E + ERGA08EVA | |
|------------------------------------|-----------------------------------|---|--|--------------------------|--------------------------|--------------------------|--------------------------|-------|
| Domestic hot water heating | General | Declared load profile | L | | XL | 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 | 867 | 1,336 | |
| | | COPdhw | 2.80 | | 3.06 | 2.80 | 3.06 | |
| | | Heat up time | 1h 34min | | 2h 41min | 1h 34min | 2h 41min | |
| | | Mixed water at 40°C | 140.4 | | 227.9 | 140.4 | 227.9 | |
| | | ηwh (water heating efficiency) % | 118 | | 125 | 118 | 125 | |
| | | Qelec (Daily electricity consumption) kWh | 4.172 | | 6.224 | 4.172 | 6.224 | |
| | | Reference hot water temperature °C | | | 44.6 | | | |
| | | Stand-by power input W | 40.4 | | 25.3 | 40.4 | 25.3 | |
| | | Water heating energy efficiency class | | | A+ | | | |
| | | Cold climate | AEC (Annual electricity consumption) kWh | 1,006 | | 1,493 | 1,006 | 1,493 |
| COPdhw | 2.41 | | | 2.75 | 2.41 | 2.75 | | |
| Domestic hot water heating | Cold climate | Mixed water at 40°C | 140.0 | | 227.9 | 140.0 | 227.9 | |
| | | ηwh (water heating efficiency) % | 102 | | 112 | 102 | 112 | |
| | | Qelec (Daily electricity consumption) kWh | 4.835 | | 6.944 | 4.835 | 6.944 | |
| | | Reference hot water temperature °C | 44.4 | | 44.6 | 44.4 | 44.6 | |
| | | Stand-by power input W | 46.0 | | 26.7 | 46.0 | 26.7 | |
| | Warm climate | AEC (Annual electricity consumption) kWh | 716 | | 1,186 | 716 | 1,186 | |
| | | COPdhw | 3.38 | | 3.45 | 3.38 | 3.45 | |
| | | Mixed water at 40°C | 138.1 | | 227.9 | 138.1 | 227.9 | |
| | | ηwh (water heating efficiency) % | 143 | | 141 | 143 | 141 | |
| | | Qelec (Daily electricity consumption) kWh | 3.447 | | 5.531 | 3.447 | 5.531 | |
| Reference hot water temperature °C | | 44.4 | | 44.6 | 44.4 | 44.6 | | |
| | Stand-by power input W | 33.9 | | 23.7 | 33.9 | 23.7 | | |
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption kWh | 3,806 | 4,456 | 4,731 | | |
| | | | ηs (Seasonal space heating efficiency) % | 127 | | 128 | | |
| | | Prated at -10°C kW | 6.0 | 7.0 | 7.5 | | | |
| | | Qhe Annual energy consumption (GCV) GJ | 14 | 16 | 17 | | | |
| | | SCOP | 3.26 | 3.25 | 3.27 | | | |
| | | Seasonal space heating eff. class | A++ | | | | | |
| | | A Condition (-7°CDB/-8°CWB) | Cdh (Degradation heating) | 1.0 | | | | |
| | | | COPd | 1.97 | | 1.98 | | |
| | | | Pdh kW | 5.3 | | 5.9 | | |
| | | B Condition (2°CDB/1°CWB) | Cdh (Degradation heating) | 1.0 | | | | |
| | | | COPd | 3.23 | 3.16 | 3.18 | | |
| | | | Pdh kW | 3.3 | 3.9 | 4.1 | | |
| | | C Condition (7°CDB/6°CWB) | Cdh (Degradation heating) | 1.0 | | | | |
| | | | COPd | 4.40 | 4.49 | 4.54 | | |
| | | | Pdh kW | 176.0 | 179.6 | 181.6 | | |
| | | D Condition (12°CDB/11°CWB) | Cdh (Degradation heating) | 1.0 | | | | |
| | | | COPd | | 6.10 | 6.16 | | |
| | | | Pdh kW | | 3.3 | 3.7 | | |
| | | Tol (temperature operating limit) | PERd % | | 244.0 | 246.4 | | |
| | | | COPd | 1.37 | | 1.43 | | |
| Pdh kW | 4.0 | | | 4.5 | | | | |
| PERd % | 54.8 | | 57.2 | | | | | |

2 Specifications

2 - 1 Specifications

| Technical specifications | | | | EHS04P30E + ERGA04EVA | EHS08P30E + ERGA06EVA | EHS08P50E + ERGA06EVA | EHS08P30E + ERGA08EVA | EHS08P50E + ERGA08EVA |
|-----------------------------------|---|--|---|---------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Space heating | Average climate water outlet 55°C | Tol (temperature operating limit) | TOL °C WTOL °C | -10 55 | | | | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) kW | 2.0 | 2.6 | | 3.1 | |
| Cold climate water outlet 55°C | General | Tbiv (bivalent temperature) | COPd PdH kW PERd % Tbiv °C | 1.97 5.3 78.8 -7 | 2.12 6.1 84.8 | | 2.18 6.4 87.2 | |
| | | Annual energy consumption | kWh | 4,468 | 5,325 | | 7,066 | |
| | | ηs (Seasonal space heating efficiency) | % | 107 | 108 | | 109 | |
| | | Prated at -22°C | kW | 5.0 | 6.0 | | 8.0 | |
| Warm climate water outlet 55°C | General | Qhe Annual energy consumption (GCV) | Gj | 16 | 19 | | 25 | |
| | | Annual energy consumption | kWh | 1,660 | 1,858 | | 1,983 | |
| | | ηs (Seasonal space heating efficiency) | % | 148 | 158 | | 159 | |
| | | Prated at 2°C | kW | 4.7 | 5.6 | | 6.0 | |
| Average climate water outlet 35°C | General | Qhe Annual energy consumption (GCV) | Gj | 6 | 7 | | | |
| | | Annual energy consumption | kWh | 2,766 | 3,233 | | 3,625 | |
| | | ηs (Seasonal space heating efficiency) | % | | 176 | | 179 | |
| | | Prated at -10°C | kW | 6.0 | 7.0 | | 8.0 | |
| | | Qhe Annual energy consumption (GCV) | Gj | 10 | 12 | | 13 | |
| | | SCOP | | 4.48 | 4.47 | | 4.56 | |
| | | Seasonal space heating eff. class | | | A+++ | | | |
| | | A Condition (-7°CDB/-8°CWB) | COPd PdH kW PERd % | 2.90 5.5 116.0 | 2.86 6.0 114.4 | | 2.77 7.0 110.8 | |
| | | B Condition (2°CDB/1°CWB) | Cdh (Degradation heating) COPd PdH kW PERd % | 4.33 3.3 173.2 | 4.25 3.9 170.0 | | 4.35 4.2 174.0 | |
| | | C Condition (7°CDB/6°CWB) | Cdh (Degradation heating) COPd PdH kW PERd % | 6.19 247.6 | 6.30 3.2 252.0 | | 6.49 3.3 259.6 | |
| D Condition (12°CDB/11°CWB) | Cdh (Degradation heating) COPd PdH kW PERd % | 311.2 | 7.78 3.3 | | 8.52 3.9 | | | |
| Tol (temperature operating limit) | COPd | 2.56 | 2.49 | | 2.41 | | | |

2 Specifications

2 - 1 Specifications

2

| Technical specifications | | | | EHSX04P30E + ERGA04EVA | EHSX08P30E + ERGA06EVA | EHSX08P50E + ERGA06EVA | EHSX08P30E + ERGA08EVA | EHSX08P50E + ERGA08EVA |
|-------------------------------------|--|-----------------------------|--|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| Space heating 35°C | Average climate water outlet | Temperature operating limit | Pdh | kW | 5.2 | 6.0 | 6.9 | |
| | | | PERd | % | 102.4 | 99.6 | 96.4 | |
| | TOL | °C | | | -10 | | | |
| | | | WTOL | | °C | | 35 | |
| | Tbiv (bivalent temperature) | COPd | Pdh | kW | 2.90 | 3.07 | 2.66 | |
| | | | PERd | % | 116.0 | 122.8 | 106.4 | |
| | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | Tbiv | °C | -7 | -6 | -8 | |
| | | | Psup | kW | 0.8 | 1.0 | 1.1 | |
| | Cold climate water outlet 35°C | General | Annual energy consumption | kWh | 3,230 | 3,749 | 5,052 | |
| | | | ηs (Seasonal space heating efficiency) | % | 150 | 155 | 153 | |
| | | | Prated at -22°C | kW | 5.0 | 6.0 | 8.0 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 12 | 13 | 18 | |
| | Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,139 | 1,275 | 1,437 | |
| | | | ηs (Seasonal space heating efficiency) | % | 241 | 248 | 257 | |
| Prated at 2°C | | | kW | 5.2 | 6.0 | 7.0 | | |
| Qhe Annual energy consumption (GCV) | | | Gj | 4 | 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 | | | | EHSX04P30E + ERGA04EVA | EHSX04P50E + ERGA04EVA | EHSX08P30E + ERGA06EVA | EHSX08P50E + ERGA06EVA | EHSX08P30E + ERGA08EVA | EHSX08P50E + ERGA08EVA | |
|--|--|---|------------------|--|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--|
| Heating capacity | Nom. | | kW | 4.30 (1) / 4.60 (2) | | 6.00 (1) / 5.90 (2) | | 7.50 (1) / 7.80 (2) | | |
| Cooling capacity | Nom. | | kW | 4.86 (1) / 4.52 (2) | | 5.96 (1) / 5.09 (2) | | 6.25 (1) / 5.44 (2) | | |
| Power input | Heating | Nom. | kW | 0.840 (1) / 1.26 (2) | | 1.24 (1) / 1.69 (2) | | 1.63 (1) / 2.23 (2) | | |
| | Cooling | Nom. | kW | 0.810 (1) / 1.36 (2) | | 1.06 (1) / 1.55 (2) | | 1.16 (1) / 1.73 (2) | | |
| COP | | | | 5.10 (1) / 3.65 (2) | | 4.85 (1) / 3.50 (2) | | 4.60 (1) / 3.50 (2) | | |
| EER | | | | 5.98 (1) / 3.32 (2) | | 5.61 (1) / 3.28 (2) | | 5.40 (1) / 3.14 (2) | | |
| Pump | Type | Grundfos UPM3 K 20-75 CHBL F52 DMGG | | | | | | | | |
| Water side Heat exchanger | Water flow rate | Cooling | Nom. | l/min | 13.9 (1) / 13.0 (2) | | 17.1 (1) / 14.6 (2) | | 17.9 (1) / 15.6 (2) | |
| | | Heating | Nom. | l/min | 12.3 (1) / 13.2 (2) | | 17.2 (1) / 16.9 (2) | | 21.5 (1) / 22.4 (2) | |
| General | Supplier/Manufacturer details | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium 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) | Indoor | | dB(A) | | | 39 | | | |
| LW(A) Sound power level (according to EN14825) | Outdoor | | dB(A) | 58 | | 60 | | 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) | m³/h | 2,280 | | 2,520 | | 2,770 | | |
| | | Other | Capacity control | Inverter | | | | | | |
| | Pck (Crankcase heater mode) | kW | 0.000 | | | | | | | |
| | Poff (Off mode) | kW | 0.010 | | | | | | | |
| | Psb (Standby mode) | kW | 0.010 | | | | | | | |
| | Pto (Thermostat off) | kW | 0.010 | | | | | | | |
| Domestic hot water heating | General | Declared load profile | | L | XL | L | XL | 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 | | | EHSX04P30E + ERGA04EVA | EHSX04P50E + ERGA04EVA | EHSX08P30E + ERGA06EVA | EHSX08P50E + ERGA06EVA | EHSX08P30E + ERGA08EVA | EHSX08P50E + ERGA08EVA | | |
|----------------------------|--|--|--|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-------|------|
| Domestic hot water heating | Average climate | AEC (Annual electricity consumption) kWh | 867 | 1,336 | 867 | 1,336 | 867 | 1,336 | | |
| | | COPdhw | 2.80 | 3.06 | 2.80 | 3.06 | 2.80 | 3.06 | | |
| | | Heat up time | 1h 34min | 2h 41min | 1h 34min | 2h 41min | 1h 34min | 2h 41min | | |
| | | Mixed water at 40°C | 140.4 | 227.9 | 140.4 | 227.9 | 140.4 | 227.9 | | |
| | | η _{wh} (water heating efficiency) % | 118 | 125 | 118 | 125 | 118 | 125 | | |
| | | Qelec (Daily electricity consumption) kWh | 4.172 | 6.224 | 4.172 | 6.224 | 4.172 | 6.224 | | |
| | | Reference hot water temperature °C | 44.6 | | | | | | | |
| | | Stand-by power input W | 40.4 | 25.3 | 40.4 | 25.3 | 40.4 | 25.3 | | |
| Domestic hot water heating | Average climate | Water heating energy efficiency class | A+ | | | | | | | |
| | | Cold climate | AEC (Annual electricity consumption) kWh | 1,006 | 1,493 | 1,006 | 1,493 | 1,006 | 1,493 | |
| | COPdhw | | 2.41 | 2.75 | 2.41 | 2.75 | 2.41 | 2.75 | | |
| | Mixed water at 40°C | | 140.0 | 227.9 | 140.0 | 227.9 | 140.0 | 227.9 | | |
| | η _{wh} (water heating efficiency) % | | 102 | 112 | 102 | 112 | 102 | 112 | | |
| | Qelec (Daily electricity consumption) kWh | | 4.835 | 6.944 | 4.835 | 6.944 | 4.835 | 6.944 | | |
| | Reference hot water temperature °C | | 44.4 | 44.6 | 44.4 | 44.6 | 44.4 | 44.6 | | |
| | Stand-by power input W | | 46.0 | 26.7 | 46.0 | 26.7 | 46.0 | 26.7 | | |
| | Warm climate | | AEC (Annual electricity consumption) kWh | 716 | 1,186 | 716 | 1,186 | 716 | 1,186 | |
| | | COPdhw | 3.38 | 3.45 | 3.38 | 3.45 | 3.38 | 3.45 | | |
| | | Mixed water at 40°C | 138.1 | 227.9 | 138.1 | 227.9 | 138.1 | 227.9 | | |
| | | η _{wh} (water heating efficiency) % | 143 | 141 | 143 | 141 | 143 | 141 | | |
| | | Qelec (Daily electricity consumption) kWh | 3.447 | 5.531 | 3.447 | 5.531 | 3.447 | 5.531 | | |
| | | Reference hot water temperature °C | 44.4 | 44.6 | 44.4 | 44.6 | 44.4 | 44.6 | | |
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption kWh | 3,769 | | 4,419 | | 4,694 | | |
| | | | η _s (Seasonal space heating efficiency) % | 129 | | 128 | | 129 | | |
| | | Prated at -10°C kW | 6.0 | | 7.0 | | 7.5 | | | |
| | | Q _{he} Annual energy consumption (GCV) GJ | 14 | | 16 | | 17 | | | |
| | | SCOP | 3.29 | | 3.27 | | 3.30 | | | |
| | | Seasonal space heating eff. class | A++ | | | | | | | |
| | | A Condition (-7°CDB/8°CWB) | Cdh (Degradation heating) | 1.0 | | | | | | |
| | | | COPd | 1.97 | | | | 1.98 | | |
| | | | Pdh kW | 5.3 | | | | 5.9 | | |
| | | B Condition (2°CDB/11°CWB) | PERd % | 78.8 | | | | 79.2 | | |
| | | | Cdh (Degradation heating) | 1.0 | | | | | | |
| | | | COPd | 3.23 | | 3.16 | | 3.18 | | |
| | | C Condition (7°CDB/6°CWB) | Pdh kW | 3.3 | | 3.9 | | 4.1 | | |
| | | | PERd % | 129.2 | | 126.4 | | 127.2 | | |
| | | | Cdh (Degradation heating) | 1.0 | | | | | | |
| | | D Condition (12°CDB/11°CWB) | COPd | 4.40 | | 4.49 | | 4.54 | | |
| | | | Pdh kW | | | 3.0 | | | | |
| | | | PERd % | 176.0 | | 179.6 | | 181.6 | | |
| | | D Condition (12°CDB/11°CWB) | Cdh (Degradation heating) | 1.0 | | | | | | |
| | | | COPd | | | 6.10 | | | | 6.16 |
| | Pdh kW | | | 3.3 | | | | 3.7 | | |

2 Specifications

2 - 1 Specifications

| Technical specifications | | | | EHSX04P30E + ERGA04EVA | EHSX04P50E + ERGA04EVA | EHSX08P30E + ERGA06EVA | EHSX08P50E + ERGA06EVA | EHSX08P30E + ERGA08EVA | EHSX08P50E + ERGA08EVA | |
|-----------------------------------|-----------------------------------|--|--|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--|
| Space heating | Average climate water outlet 55°C | D Condition (12°CDB/11°CWB) | PERd % | 244.0 | | | | 246.4 | | |
| | | Tol (temperature operating limit) | COPd | 1.37 | | | 1.43 | | | |
| | | | Pdh kW | 4.0 | | | 4.5 | | | |
| | | | PERd % | 54.8 | | | 57.2 | | | |
| | | | TOL °C | | | | -10 | | | |
| | | | WTOL °C | | | | 55 | | | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 2.0 | | 2.6 | | 3.1 | |
| | | Tbiv (bivalent temperature) | COPd | 1.97 | | 2.12 | | 2.18 | | |
| | | | Pdh kW | 5.3 | | 6.1 | | 6.4 | | |
| | | | PERd % | 78.8 | | 84.8 | | 87.2 | | |
| | | | Tbiv °C | -7 | | | -6 | | | |
| | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 4,446 | | 5,303 | | 7,044 | |
| | | | ηs (Seasonal space heating efficiency) | % | 108 | | | 109 | | |
| | | | Prated at -22°C | kW | 5.0 | | 6.0 | | 8.0 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 16 | | 19 | | 25 | |
| | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 1,616 | | 1,813 | | 1,939 | |
| | | | ηs (Seasonal space heating efficiency) | % | 152 | | | 162 | | |
| | | | Prated at 2°C | kW | 4.7 | | 5.6 | | 6.0 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 6 | | | 7 | | |
| Average climate water outlet 35°C | General | Annual energy consumption | kWh | 2,729 | | 3,196 | | 3,588 | | |
| | | ηs (Seasonal space heating efficiency) | % | 179 | | 178 | | 181 | | |
| | | Prated at -10°C | kW | 6.0 | | 7.0 | | 8.0 | | |
| | | Qhe Annual energy consumption (GCV) | Gj | 10 | | 12 | | 13 | | |
| | | SCOP | | 4.54 | | 4.52 | | 4.61 | | |
| | | Seasonal space heating eff. class | | | | A+++ | | | | |
| | | A Condition (-7°CDB/-8°CWB) | COPd | 2.90 | | 2.86 | | 2.77 | | |
| | Pdh kW | 5.5 | | 6.0 | | 7.0 | | | | |
| | PERd % | 116.0 | | 114.4 | | 110.8 | | | | |
| B Condition (2°CDB/1°CWB) | Cdh (Degradation heating) | COPd | 4.33 | | 4.25 | | 4.35 | | | |
| | | Pdh kW | 3.3 | | 3.9 | | 4.2 | | | |
| | | PERd % | 173.2 | | 170.0 | | 174.0 | | | |
| C Condition (7°CDB/6°CWB) | Cdh (Degradation heating) | COPd | 6.19 | | 6.30 | | 6.49 | | | |
| | | Pdh kW | | 3.2 | | 3.3 | | | | |
| | | PERd % | 247.6 | | 252.0 | | 259.6 | | | |
| D Condition (12°CDB/11°CWB) | Cdh (Degradation heating) | | | 1.0 | | | | | | |

2 Specifications

2 - 1 Specifications

| Technical specifications | | | | EHSX04P30E + ERGA04EVA | EHSX04P50E + ERGA04EVA | EHSX08P30E + ERGA06EVA | EHSX08P50E + ERGA06EVA | EHSX08P30E + ERGA08EVA | EHSX08P50E + ERGA08EVA | |
|--|--|-----------------------------------|--|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--|
| Space heating | Average climate | D Condition (12°CDB/11°CWB) | COPd | 7.78 | | | | | 8.52 | |
| | | | Pdh kW | 3.3 | | | | | 3.9 | |
| | water outlet 35°C | Tol (temperature operating limit) | PERd % | 311.2 | | | | | 340.8 | |
| | | | COPd | 2.56 | | 2.49 | | 2.41 | | |
| | | Pdh kW | | 5.2 | | 6.0 | | 6.9 | | |
| | | | PERd % | 102.4 | | 99.6 | | 96.4 | | |
| | | TOL °C | | | | | | | -10 | |
| | | | WTOL °C | | | | | | 35 | |
| | (bivalent temperature) | Tbiv | COPd | 2.90 | | 3.07 | | 2.66 | | |
| | | | Pdh kW | 5.5 | | 6.1 | | 7.5 | | |
| | | PERd % | | 116.0 | | 122.8 | | 106.4 | | |
| | | | Tbiv °C | -7 | | -6 | | -8 | | |
| | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) kW | | 0.8 | | 1.0 | | 1.1 | | |
| | Cold climate water outlet 35°C | General | Annual energy consumption kWh | 3,208 | | 3,727 | | 5,030 | | |
| | | | ηs (Seasonal space heating efficiency) % | 151 | | 156 | | 154 | | |
| | | | Prated at -22°C kW | 5.0 | | 6.0 | | 8.0 | | |
| | | | Qhe Annual energy consumption (GCV) GJ | 12 | | 13 | | 18 | | |
| | Warm climate water outlet 35°C | General | Annual energy consumption kWh | 1,095 | | 1,231 | | 1,393 | | |
| | | | ηs (Seasonal space heating efficiency) % | 251 | | 257 | | 266 | | |
| | | | Prated at 2°C kW | 5.2 | | 6.0 | | 7.0 | | |
| Qhe Annual energy consumption (GCV) GJ | | | | | 4 | | 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 | | | | EHSB04P30E + ERGA04EVA | EHSB08P30E + ERGA06EVA | EHSB08P50E + ERGA06EVA | EHSB08P30E + ERGA08EVA | EHSB08P50E + ERGA08EVA | | | |
|--|---------------------------------|---|------------------|--|---------------------------|---------------------------|---------------------------|---------------------------|---------------------|----|--|
| Heating capacity | Nom. | | kW | 4.30 (1) / 4.60 (2) | | 6.00 (1) / 5.90 (2) | | 7.50 (1) / 7.80 (2) | | | |
| Power input | Heating | Nom. | kW | 0.840 (1) / 1.26 (2) | | 1.24 (1) / 1.69 (2) | | 1.63 (1) / 2.23 (2) | | | |
| COP | | | | 5.10 (1) / 3.65 (2) | | 4.85 (1) / 3.50 (2) | | 4.60 (1) / 3.50 (2) | | | |
| Pump | Type | | | Grundfos UPM3 K 20-75 CHBL FS2 DMGG | | | | | | | |
| Water side Heat exchanger | Water flow rate | Heating | Nom. | l/min | 12.3 (1) / 13.2 (2) | | 17.2 (1) / 16.9 (2) | | 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) | Indoor | | dB(A) | 39 | | | | | | | |
| LW(A) Sound power level (according to EN14825) | Outdoor | | dB(A) | 58 | | 60 | | 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) | | m³/h | 2,280 | | 2,520 | | 2,770 | | |
| | | Other | Capacity control | | Inverter | | | | | | |
| | Pck (Crankcase heater mode) | | kW | | | | | | 0.000 | | |
| | Poff (Off mode) | | kW | | | | | | 0.010 | | |
| | Psb (Standby mode) | | kW | | | | | | 0.010 | | |
| | Pto (Thermostat off) | | kW | | | | | | 0.010 | | |
| Domestic hot water heating | General | Declared load profile | | L | | XL | | 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 | | | EHSB04P30E + ERGA04EVA | EHSB08P30E + ERGA06EVA | EHSB08P50E + ERGA06EVA | EHSB08P30E + ERGA08EVA | EHSB08P50E + ERGA08EVA |
|-----------------------------------|--|--|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| Domestic hot water heating | Average climate | AEC (Annual electricity consumption) kWh | 867 | | 1,336 | 867 | 1,336 |
| | | COPdhw | 2.80 | | 3.06 | 2.80 | 3.06 |
| | | Heat up time | 1h 34min | | 2h 41min | 1h 34min | 2h 41min |
| | | Mixed water at 40°C I | 140.4 | | 227.9 | 140.4 | 227.9 |
| | | η _{wh} (water heating efficiency) % | 118 | | 125 | 118 | 125 |
| | | Qelec (Daily electricity consumption) kWh | 4.172 | | 6.224 | 4.172 | 6.224 |
| | Cold climate | Reference hot water temperature °C | | | 44.6 | | |
| | | Stand-by power input W | 40.4 | | 25.3 | 40.4 | 25.3 |
| | | Water heating energy efficiency class | | | A+ | | |
| | | AEC (Annual electricity consumption) kWh | 1,006 | | 1,493 | 1,006 | 1,493 |
| | | COPdhw | 2.41 | | 2.75 | 2.41 | 2.75 |
| | | Mixed water at 40°C I | 140.0 | | 227.9 | 140.0 | 227.9 |
| | | η _{wh} (water heating efficiency) % | 102 | | 112 | 102 | 112 |
| Domestic hot water heating | Cold climate | Qelec (Daily electricity consumption) kWh | 4.835 | | 6.944 | 4.835 | 6.944 |
| | | Reference hot water temperature °C | 44.4 | | 44.6 | 44.4 | 44.6 |
| | | Stand-by power input W | 46.0 | | 26.7 | 46.0 | 26.7 |
| | | AEC (Annual electricity consumption) kWh | 716 | | 1,186 | 716 | 1,186 |
| | Warm climate | COPdhw | 3.38 | | 3.45 | 3.38 | 3.45 |
| | | Mixed water at 40°C I | 138.1 | | 227.9 | 138.1 | 227.9 |
| | | η _{wh} (water heating efficiency) % | 143 | | 141 | 143 | 141 |
| | | Qelec (Daily electricity consumption) kWh | 3.447 | | 5.531 | 3.447 | 5.531 |
| | | Reference hot water temperature °C | 44.4 | | 44.6 | 44.4 | 44.6 |
| | | Stand-by power input W | 33.9 | | 23.7 | 33.9 | 23.7 |
| Space heating | Average climate water outlet 55°C | General Annual energy consumption kWh | 3,806 | 4,456 | | 4,731 | |
| | | η _s (Seasonal space heating efficiency) % | | 127 | | 128 | |
| | | Prated at -10°C kW | 6.0 | | 7.0 | | 7.5 |
| | | Q _{he} Annual energy consumption (GCV) GJ | 14 | | 16 | | 17 |
| | | SCOP | 3.26 | | 3.25 | | 3.27 |
| | | Seasonal space heating eff. class | | | A++ | | |
| | | A Condition (-7°CDB) Cdh (Degradation heating) | | | 1.0 | | |
| | | COPd | 1.97 | | | 1.98 | |
| | | B/-8°CWB) Pdh kW | 5.3 | | | 5.9 | |
| | | PERd % | 78.8 | | | 79.2 | |
| | B Condition (2°CDB) Cdh (Degradation heating) | | | 1.0 | | | |
| | COPd | 3.23 | | 3.16 | | 3.18 | |
| | B/1°CWB) Pdh kW | 3.3 | | 3.9 | | 4.1 | |
| | PERd % | 129.2 | | 126.4 | | 127.2 | |
| | C Condition (7°CDB) Cdh (Degradation heating) | | | 1.0 | | | |
| | COPd | 4.40 | | 4.49 | | 4.54 | |
| | B/6°CWB) Pdh kW | | | 3.0 | | | |
| | PERd % | 176.0 | | 179.6 | | 181.6 | |
| | D Condition (12°CDB) Cdh (Degradation heating) | | | 1.0 | | | |
| | COPd | | 6.10 | | | 6.16 | |
| B/11°CWB) Pdh kW | | 3.3 | | | 3.7 | | |
| PERd % | | 244.0 | | | 246.4 | | |
| Tol (temperature operating limit) | COPd | 1.37 | | 1.43 | | | |
| | Pdh kW | 4.0 | | 4.5 | | | |
| | PERd % | 54.8 | | 57.2 | | | |

2 Specifications

2 - 1 Specifications

| Technical specifications | | | | EHSB04P30E + ERGA04EVA | EHSB08P30E + ERGA06EVA | EHSB08P50E + ERGA06EVA | EHSB08P30E + ERGA08EVA | EHSB08P50E + ERGA08EVA |
|-----------------------------------|-----------------------------------|--|--|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| Space heating | Average climate water outlet 55°C | Tol (temperature operating limit) | TOL °C WTOL °C | -10 55 | | | | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) kW | 2.0 | 2.6 | | 3.1 | |
| | Tbiv (bivalent temperature) | COPd | COPd | 1.97 | 2.12 | | 2.18 | |
| | | | Pdh kW | 5.3 | 6.1 | | 6.4 | |
| | | | PERd % | 78.8 | 84.8 | | 87.2 | |
| | | | Tbiv °C | -7 | | -6 | | |
| Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 4,468 | 5,325 | | 7,066 | |
| | | | ηs (Seasonal space heating efficiency) % | 107 | 108 | | 109 | |
| | | | Prated at -22°C kW | 5.0 | 6.0 | | 8.0 | |
| | | | Qhe Annual energy consumption (GCV) GJ | 16 | 19 | | 25 | |
| Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 1,660 | 1,858 | | 1,983 | |
| | | | ηs (Seasonal space heating efficiency) % | 148 | 158 | | 159 | |
| | | | Prated at 2°C kW | 4.7 | 5.6 | | 6.0 | |
| | | | Qhe Annual energy consumption (GCV) GJ | 6 | | 7 | | |
| Average climate water outlet 35°C | General | Annual energy consumption | kWh | 2,766 | 3,233 | | 3,625 | |
| | | | ηs (Seasonal space heating efficiency) % | | 176 | | 179 | |
| | | | Prated at -10°C kW | 6.0 | 7.0 | | 8.0 | |
| | | | Qhe Annual energy consumption (GCV) GJ | 10 | 12 | | 13 | |
| | | | SCOP | 4.48 | 4.47 | | 4.56 | |
| | | | Seasonal space heating eff. class | | A+++ | | | |
| | | | A Condition (-7°CDB/-8°CWB) | COPd | 2.90 | 2.86 | | 2.77 |
| B Condition (2°CDB/1°CWB) | Pdh kW | 5.5 | 6.0 | | 7.0 | | | |
| | PERd % | 116.0 | 114.4 | | 110.8 | | | |
| | Cdh (Degradation heating) | | 1.0 | | | | | |
| C Condition (7°CDB/6°CWB) | COPd | 4.33 | 4.25 | | 4.35 | | | |
| | Pdh kW | 3.3 | 3.9 | | 4.2 | | | |
| | PERd % | 173.2 | 170.0 | | 174.0 | | | |
| D Condition (12°CDB/11°CWB) | Cdh (Degradation heating) | | 1.0 | | | | | |
| | COPd | 6.19 | 6.30 | | 6.49 | | | |
| | Pdh kW | | 3.2 | | 3.3 | | | |
| Tol (temperature operating limit) | COPd | PERd % | 247.6 | 252.0 | | 259.6 | | |
| | | Cdh (Degradation heating) | | 1.0 | | | | |
| | | COPd | 2.56 | 2.49 | | 2.41 | | |

2 Specifications

2 - 1 Specifications

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| Technical specifications | | | | EHSXB04P30E + ERGA04EVA | EHSXB08P30E + ERGA06EVA | EHSXB08P50E + ERGA06EVA | EHSXB08P30E + ERGA08EVA | EHSXB08P50E + ERGA08EVA | |
|--------------------------------|--------------------------------|--|--|--|-------------------------|-------------------------|-------------------------|-------------------------|-----|
| Space heating 35°C | Average climate water outlet | Tol (temperature operating limit) | Pdh | kW | 5.2 | | 6.0 | 6.9 | |
| | | | PERd | % | 102.4 | | 99.6 | 96.4 | |
| | | | | TOL | °C | | -10 | | |
| | | | | WTOL | °C | | 35 | | |
| | Cold climate water outlet 35°C | General | | Tbiv | COPd | 2.90 | 3.07 | 2.66 | |
| | | | | Pdh | kW | 5.5 | 6.1 | 7.5 | |
| | | tempera- ture) | | PERd | % | 116.0 | 122.8 | 106.4 | |
| | | | | Tbiv | °C | -7 | -6 | -8 | |
| | | Rated heat output supplementary capacity | | | Psup (at Tdesign -10°C) | kW | 0.8 | 1.0 | 1.1 |
| | | | | | | | | | |
| | Warm climate water outlet 35°C | General | | Annual energy consumption | kWh | 1,139 | 1,275 | 1,437 | |
| | | | | ηs (Seasonal space heating efficiency) | % | 241 | 248 | 257 | |
| | | | | Prated at 2°C | kW | 5.2 | 6.0 | 7.0 | |
| | | | | Qhe Annual energy consumption (GCV) | Gj | 4 | | 5 | |
| Cold climate water outlet 35°C | General | | Annual energy consumption | kWh | 3,230 | 3,749 | 5,052 | | |
| | | | ηs (Seasonal space heating efficiency) | % | 150 | 155 | 153 | | |
| | | | Prated at -22°C | kW | 5.0 | 6.0 | 8.0 | | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 12 | 13 | 18 | | |

(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 + ERGA04EVA | EHSXB04P50E + ERGA04EVA | EHSXB08P30E + ERGA06EVA | EHSXB08P50E + ERGA06EVA | EHSXB08P30E + ERGA08EVA | EHSXB08P50E + ERGA08EVA | | |
|--|---------------------------------|-------------------------|---|--|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--|--|
| Heating capacity | Nom. | | kW | 4.30 (1) / 4.60 (2) | | 6.00 (1) / 5.90 (2) | | 7.50 (1) / 7.80 (2) | | | |
| Cooling capacity | Nom. | | kW | 4.86 (1) / 4.52 (2) | | 5.96 (1) / 5.09 (2) | | 6.25 (1) / 5.44 (2) | | | |
| Power input | Heating | Nom. | kW | 0.840 (1) / 1.26 (2) | | 1.24 (1) / 1.69 (2) | | 1.63 (1) / 2.23 (2) | | | |
| | Cooling | Nom. | kW | 0.810 (1) / 1.36 (2) | | 1.06 (1) / 1.55 (2) | | 1.16 (1) / 1.73 (2) | | | |
| COP | | | | 5.10 (1) / 3.65 (2) | | 4.85 (1) / 3.50 (2) | | 4.60 (1) / 3.50 (2) | | | |
| EER | | | | 5.98 (1) / 3.32 (2) | | 5.61 (1) / 3.28 (2) | | 5.40 (1) / 3.14 (2) | | | |
| Pump | Type | | | Grundfos UPM3 K 20-75 CHBL FS2 DMGG | | | | | | | |
| Water side Heat exchanger | Water flow rate | Cooling | Nom. | l/min | 13.9 (1) / 13.0 (2) | | 17.1 (1) / 14.6 (2) | | 17.9 (1) / 15.6 (2) | | |
| | | Heating | Nom. | l/min | 12.3 (1) / 13.2 (2) | | 17.2 (1) / 16.9 (2) | | 21.5 (1) / 22.4 (2) | | |
| General | Supplier/Manufacturer details | Name and address | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium | | | | | | | | |
| | Product description | Air-to-water heat pump | Daikin Europe N.V. | | | | | | | | |
| | | | 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) | Indoor | | dB(A) | | | 39 | | | | | |
| LW(A) Sound power level (according to EN14825) | Outdoor | | dB(A) | 58 | | 60 | | 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 | 2,280 | | 2,520 | | 2,770 | | |
| | | | Other | Capacity control | Inverter | | | | | | |
| | | | | Pck (Crankcase heater mode) | kW | 0.000 | | | | | |
| | | | | Poff (Off mode) | kW | 0.010 | | | | | |
| | | | | Psb (Standby mode) | kW | 0.010 | | | | | |
| | | | | Pto (Thermostat off) | kW | 0.010 | | | | | |
| Domestic hot water heating | General | Declared load profile | | L | XL | L | XL | 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

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| Technical specifications | | | EHSXB04P30E + ERGA04EVA | EHSXB04P50E + ERGA04EVA | EHSXB08P30E + ERGA06EVA | EHSXB08P50E + ERGA06EVA | EHSXB08P30E + ERGA08EVA | EHSXB08P50E + ERGA08EVA | |
|----------------------------|--|--|--|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|-------|
| Domestic hot water heating | Average climate | AEC (Annual electricity consumption) kWh | 867 | 1,336 | 867 | 1,336 | 867 | 1,336 | |
| | | COPdhw | 2.80 | 3.06 | 2.80 | 3.06 | 2.80 | 3.06 | |
| | | Heat up time | 1h 34min | 2h 41min | 1h 34min | 2h 41min | 1h 34min | 2h 41min | |
| | | Mixed water at 40°C | l | 140.4 | 227.9 | 140.4 | 227.9 | 140.4 | 227.9 |
| | | η _{wh} (water heating efficiency) % | | 118 | 125 | 118 | 125 | 118 | 125 |
| | | Qelec (Daily electricity consumption) kWh | | 4.172 | 6.224 | 4.172 | 6.224 | 4.172 | 6.224 |
| | | Reference hot water temperature °C | | 44.6 | | | | | |
| | | Stand-by power input W | | 40.4 | 25.3 | 40.4 | 25.3 | 40.4 | 25.3 |
| Domestic hot water heating | Average climate | Water heating energy efficiency class | A+ | | | | | | |
| | | Cold climate | AEC (Annual electricity consumption) kWh | 1,006 | 1,493 | 1,006 | 1,493 | 1,006 | 1,493 |
| | COPdhw | | 2.41 | 2.75 | 2.41 | 2.75 | 2.41 | 2.75 | |
| | Mixed water at 40°C | | l | 140.0 | 227.9 | 140.0 | 227.9 | 140.0 | 227.9 |
| | η _{wh} (water heating efficiency) % | | | 102 | 112 | 102 | 112 | 102 | 112 |
| | Qelec (Daily electricity consumption) kWh | | | 4.835 | 6.944 | 4.835 | 6.944 | 4.835 | 6.944 |
| | Reference hot water temperature °C | | | 44.4 | 44.6 | 44.4 | 44.6 | 44.4 | 44.6 |
| | Stand-by power input W | | | 46.0 | 26.7 | 46.0 | 26.7 | 46.0 | 26.7 |
| | Warm climate | | AEC (Annual electricity consumption) kWh | | 716 | 1,186 | 716 | 1,186 | 716 |
| | | COPdhw | | 3.38 | 3.45 | 3.38 | 3.45 | 3.38 | 3.45 |
| | | Mixed water at 40°C | l | 138.1 | 227.9 | 138.1 | 227.9 | 138.1 | 227.9 |
| | | η _{wh} (water heating efficiency) % | | 143 | 141 | 143 | 141 | 143 | 141 |
| | | Qelec (Daily electricity consumption) kWh | | 3.447 | 5.531 | 3.447 | 5.531 | 3.447 | 5.531 |
| | | Reference hot water temperature °C | | 44.4 | 44.6 | 44.4 | 44.6 | 44.4 | 44.6 |
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption kWh | 3,769 | | 4,419 | | 4,694 | |
| | | | η _s (Seasonal space heating efficiency) % | 129 | | 128 | | 129 | |
| | | Prated at -10°C kW | 6.0 | | 7.0 | | 7.5 | | |
| | | Q _{he} Annual energy consumption (GCV) GJ | 14 | | 16 | | 17 | | |
| | | SCOP | 3.29 | | 3.27 | | 3.30 | | |
| | | Seasonal space heating eff. class | A++ | | | | | | |
| | | A Condition (-7°CDB/8°CWB) | Cdh (Degradation heating) | 1.0 | | | | | |
| | | | COPd | 1.97 | | | | 1.98 | |
| | | | Pdh kW | 5.3 | | | | 5.9 | |
| | | B Condition (2°CDB/11°CWB) | PERd % | 78.8 | | | | 79.2 | |
| | | | Cdh (Degradation heating) | 1.0 | | | | | |
| | | | COPd | 3.23 | | 3.16 | | 3.18 | |
| | | C Condition (7°CDB/6°CWB) | Pdh kW | 3.3 | | 3.9 | | 4.1 | |
| | | | PERd % | 129.2 | | 126.4 | | 127.2 | |
| | | | Cdh (Degradation heating) | 1.0 | | | | | |
| | | D Condition (12°CDB/11°CWB) | COPd | 4.40 | | 4.49 | | 4.54 | |
| | | | Pdh kW | | | 3.0 | | | |
| | | | PERd % | 176.0 | | 179.6 | | 181.6 | |
| | | D Condition (12°CDB/11°CWB) | Cdh (Degradation heating) | 1.0 | | | | | |
| COPd | | | 6.10 | | 6.16 | | | | |
| | Pdh kW | | | 3.3 | | 3.7 | | | |

2 Specifications

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| Technical specifications | | | | EHSXB04P30E + ERGA04EVA | EHSXB04P50E + ERGA04EVA | EHSXB08P30E + ERGA06EVA | EHSXB08P50E + ERGA06EVA | EHSXB08P30E + ERGA08EVA | EHSXB08P50E + ERGA08EVA | | |
|-----------------------------------|-----------------------------------|--|-----------------------------|--|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|-------|-------|
| Space heating | Average climate water outlet 55°C | D Condition (12°CDB/11°CWB) | PERd | % | 244.0 | | | 246.4 | | | |
| | | Tol (temperature operating limit) | COPd | | | 1.37 | | | 1.43 | | |
| | | | Pdh | kW | | 4.0 | | | 4.5 | | |
| | | | PERd | % | | 54.8 | | | 57.2 | | |
| | | | TOL | °C | | | | -10 | | | |
| | | | WTOL | °C | | | | 55 | | | |
| | | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | | 2.0 | | 2.6 | | 3.1 | |
| | | | Tbiv (bivalent temperature) | COPd | | 1.97 | | 2.12 | | 2.18 | |
| | | | | Pdh | kW | | 5.3 | | 6.1 | | 6.4 |
| | | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | | 4,446 | | 5,303 | | 7,044 |
| | | | | ηs (Seasonal space heating efficiency) | % | | 108 | | 109 | | |
| | | | | Prated at -22°C | kW | | 5.0 | | 6.0 | | 8.0 |
| | | | | Qhe Annual energy consumption (GCV) | Gj | | 16 | | 19 | | 25 |
| | | | | Tbiv | °C | | -7 | | -6 | | |
| | | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | | 1,616 | | 1,813 | | 1,939 |
| | | | | ηs (Seasonal space heating efficiency) | % | | 152 | | 162 | | |
| | | | | Prated at 2°C | kW | | 4.7 | | 5.6 | | 6.0 |
| | | | | Qhe Annual energy consumption (GCV) | Gj | | 6 | | 7 | | |
| | | | | SCOP | | | 4.54 | | 4.52 | | 4.61 |
| Average climate water outlet 35°C | General | Annual energy consumption | kWh | | 2,729 | | 3,196 | | 3,588 | | |
| | | ηs (Seasonal space heating efficiency) | % | | 179 | | 178 | | 181 | | |
| | | Prated at -10°C | kW | | 6.0 | | 7.0 | | 8.0 | | |
| | | Qhe Annual energy consumption (GCV) | Gj | | 10 | | 12 | | 13 | | |
| | | SCOP | | | 4.54 | | 4.52 | | 4.61 | | |
| | | Seasonal space heating eff. class | | | | | A+++ | | | | |
| | | A Condition (-7°CDB/-8°CWB) | COPd | | | 2.90 | | 2.86 | | 2.77 | |
| | | | Pdh | kW | | 5.5 | | 6.0 | | 7.0 | |
| | | | PERd | % | | 116.0 | | 114.4 | | 110.8 | |
| | | B Condition (2°CDB/1°CWB) | Cdh (Degradation heating) | | | | | 1.0 | | | |
| COPd | | | | 4.33 | | 4.25 | | 4.35 | | | |
| Pdh | kW | | | 3.3 | | 3.9 | | 4.2 | | | |
| C Condition (7°CDB/6°CWB) | Cdh (Degradation heating) | | | | | 1.0 | | | | | |
| | COPd | | | 6.19 | | 6.30 | | 6.49 | | | |
| | Pdh | kW | | | 3.2 | | 3.3 | | | | |
| D Condition (12°CDB/11°CWB) | PERd | % | | 247.6 | | 252.0 | | 259.6 | | | |
| | Cdh (Degradation heating) | | | | | 1.0 | | | | | |

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| Technical specifications | | | | EHSXB04P30E + ERGA04EVA | EHSXB04P50E + ERGA04EVA | EHSXB08P30E + ERGA06EVA | EHSXB08P50E + ERGA06EVA | EHSXB08P30E + ERGA08EVA | EHSXB08P50E + ERGA08EVA | | |
|--|--------------------------------|-----------------------------|--|--|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|-------|--|
| Space heating | Average climate | D Condition (12°CDB/11°CWB) | COPd | 7.78 | | | | | 8.52 | | |
| | | | Pdh kW | 3.3 | | | | | 3.9 | | |
| | water outlet 35°C | PERd % | Tol (temperature operating limit) | PERd % | 311.2 | | | | | 340.8 | |
| | | | | COPd | 2.56 | | 2.49 | | 2.41 | | |
| | | Pdh kW | WTOL °C | Pdh kW | 5.2 | | | | | 6.0 | |
| | | | | WTOL °C | 102.4 | | | | | 99.6 | |
| | | TOL °C | Tbiv (bivalent temperature) | TOL °C | | | | | | -10 | |
| | | | | WTOL °C | | | | | | 35 | |
| | | COPd | Rated heat output supplementary capacity | COPd | 2.90 | | 3.07 | | 2.66 | | |
| | | | | Pdh kW | 5.5 | | 6.1 | | 7.5 | | |
| | | PERd % | Tbiv °C | PERd % | 116.0 | | 122.8 | | 106.4 | | |
| | | | | Tbiv °C | -7 | | -6 | | -8 | | |
| | | Psup (at Tdesign -10°C) kW | General | Psup (at Tdesign -10°C) kW | 0.8 | | 1.0 | | 1.1 | | |
| | | | | Annual energy consumption kWh | 3,208 | | 3,727 | | 5,030 | | |
| | Cold climate water outlet 35°C | General | Annual energy consumption kWh | ηs (Seasonal space heating efficiency) % | 151 | | 156 | | 154 | | |
| | | | | Prated at -22°C kW | 5.0 | | 6.0 | | 8.0 | | |
| | | | | Qhe Annual energy consumption (GCV) GJ | 12 | | 13 | | 18 | | |
| | | | | Annual energy consumption kWh | 1,095 | | 1,231 | | 1,393 | | |
| | Warm climate water outlet 35°C | General | Annual energy consumption kWh | ηs (Seasonal space heating efficiency) % | 251 | | 257 | | 266 | | |
| | | | | Prated at 2°C kW | 5.2 | | 6.0 | | 7.0 | | |
| Qhe Annual energy consumption (GCV) GJ | | | | 4 | | 5 | | 5 | | | |
| Annual energy consumption kWh | | | | 1,095 | | 1,231 | | 1,393 | | | |

(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 + ERGA04EVA | EHVH04S23E6V + ERGA04EVA | EHVH08S18E6V + ERGA06EVA | EHVH08S23E6V + ERGA06EVA | EHVH08S18E6V + ERGA08EVA | EHVH08S23E6V + ERGA08EVA | |
|--|--------------------------------------|---------------------------------|---|--|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|--|
| Heating capacity | Nom. | | kW | 4.30 (1) / 4.60 (2) | | 6.00 (1) / 5.90 (2) | | 7.50 (1) / 7.80 (2) | | |
| Power input | Heating | Nom. | kW | 0.850 (1) / 1.26 (2) | | 1.24 (1) / 1.69 (2) | | 1.63 (1) / 2.23 (2) | | |
| | Domestic hot water from 10°C to 50°C | Nom. | kWh | 2.48 | 3.01 | 2.48 | 3.01 | 2.48 | 3.01 | |
| Heat up time from 10°C to 50°C | | | hr | 1h28min | 1h40min | 1h28min | 1h40min | 1h28min | 1h40min | |
| COP | | | | 5.10 (1) / 3.65 (2) | | 4.85 (1) / 3.50 (2) | | 4.60 (1) / 3.50 (2) | | |
| Pump | Nominal ESP unit | Heating | kPa | 59.6 (1) / 58.6 (2) | | 52.4 (1) / 52.9 (2) | | 43.3 (1) / 41.2 (2) | | |
| Water side Heat exchanger | Water flow rate | Heating | Nom. l/min | 12.3 (1) / 13.2 (2) | | 17.2 (1) / 16.9 (2) | | 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) | Indoor | | 42 | | | | | | | |
| LW(A) Sound power level (according to EN14825) | Outdoor | | 58 | | 60 | | 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) | m³/h | 2,280.0 | | 2,520.0 | | 2,770.0 | | |
| | Other | Capacity control | | Inverter | | | | | | |
| | | Pck (Crankcase heater mode) | kW | 0.000 | | | | | | |
| | | Poff (Off mode) | kW | 0.010 | | | | | | |
| | | Psb (Standby mode) | kW | 0.010 | | | | | | |
| Pto (Thermostat off) | kW | 0.010 | | | | | | | | |

2 Specifications

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| Technical specifications | | | EHVH04S18E6V + ERGA04EVA | EHVH04S23E6V + ERGA04EVA | EHVH08S18E6V + ERGA06EVA | EHVH08S23E6V + ERGA06EVA | EHVH08S18E6V + ERGA08EVA | EHVH08S23E6V + ERGA08EVA | | | | |
|--|-----------------------------------|---|--|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------|--|-----|--|
| Domestic hot water heating | General | Declared load profile | L | XL | L | XL | L | XL | | | | |
| | | Function to fix water heating during off peak hours | No | | | | | | | | | |
| Space heating general | Integrated supplementary heater | Psup | 6.0 | | | | | | | | | |
| | | Type of energy input | Electrical | | | | | | | | | |
| Domestic hot water heating | Average climate | AEC (Annual electricity consumption) kWh | 820 | 1,267 | 820 | 1,267 | 820 | 1,267 | | | | |
| | | η_{wh} (water heating efficiency) % | 125 | 133 | 125 | 133 | 125 | 133 | | | | |
| | | Qelec (Daily electricity consumption) kWh | 3.870 | 5.900 | 3.870 | 5.900 | 3.870 | 5.900 | | | | |
| | | Water heating energy efficiency class | A+ | | | | | | | | | |
| | Cold climate | AEC (Annual electricity consumption) kWh | 951 | 1,475 | 951 | 1,475 | 951 | 1,475 | | | | |
| | | η_{wh} (water heating efficiency) % | 107 | 114 | 107 | 114 | 107 | 114 | | | | |
| | | Qelec (Daily electricity consumption) kWh | 4.480 | 6.860 | 4.480 | 6.860 | 4.480 | 6.860 | | | | |
| | Warm climate | AEC (Annual electricity consumption) kWh | 680 | 1,046 | 680 | 1,046 | 680 | 1,046 | | | | |
| | Domestic hot water heating | Warm climate | η_{wh} (water heating efficiency) % | 151 | 161 | 151 | 161 | 151 | 161 | | | |
| | | | Qelec (Daily electricity consumption) kWh | 3.220 | 4.880 | 3.220 | 4.880 | 3.220 | 4.880 | | | |
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption kWh | 3,806 | | 4,456 | | 4,731 | | | | |
| | | | η_s (Seasonal space heating efficiency) % | 127 | | | | 128 | | | | |
| | | | Prated at -10°C kW | 6.0 | | 7.0 | | 7.5 | | | | |
| | | | Qhe Annual energy consumption (GCV) GJ | 13.7 | | 16.0 | | 17.0 | | | | |
| | | | SCOP | 3.26 | | 3.25 | | 3.27 | | | | |
| | | | Seasonal space heating eff. class | A++ | | | | | | | | |
| | | | A Condition (-7°CDB/-8°CWB) | Cdh (Degradation heating) | 1.0 | | | | | | | |
| | | | | COPd | 1.97 | | | | 1.98 | | | |
| | | | | Pdh kW | 5.3 | | | | 5.9 | | | |
| | | | B Condition (2°CDB/1°CWB) | Cdh (Degradation heating) | 1.0 | | | | | | | |
| | | | | COPd | 3.23 | | 3.16 | | 3.18 | | | |
| | | | | Pdh kW | 3.3 | | 3.9 | | 4.1 | | | |
| | | | C Condition (7°CDB/6°CWB) | Cdh (Degradation heating) | 1.0 | | | | | | | |
| | | | | COPd | 4.40 | | 4.49 | | 4.54 | | | |
| | | | | Pdh kW | 1.76 | | 3.0 | | 182 | | | |
| | | | D Condition (12°CDB/11°CWB) | Cdh (Degradation heating) | 1.0 | | | | | | | |
| | | | | COPd | | | 6.10 | | 6.16 | | | |
| | | | | Pdh kW | | | 3.3 | | 3.7 | | | |
| | | | Tol (temperature operating limit) | PERd % | TOL °C | WTOL °C | 244 | | | | 246 | |
| | | | | | | | 1.37 | | 1.43 | | | |
| | | | | | | | 4.0 | | 4.5 | | | |
| | | | | | | | 55 | | 57 | | | |
| | | | | | | | | | -10 | | | |
| | | 55 | | | | | | | | | | |
| | | | | | | | | | | | | |
| Rated heat output supplementary capacity | Tbiv (bivalent temperature) °C | Psup (at Tdesign -10°C) kW | 2.0 | | 2.5 | | 3.0 | | | | | |
| | | COPd | 1.97 | | 2.12 | | 2.18 | | | | | |
| | | Pdh kW | 5.3 | | 6.1 | | 6.4 | | | | | |
| | | PERd % | 79 | | 85 | | 87 | | | | | |
| | | Tbiv °C | -7 | | -6 | | | | | | | |
| Cold climate water outlet 55°C | General | Annual energy consumption kWh | 4,468 | | 5,325 | | 7,066 | | | | | |
| | | η_s (Seasonal space heating efficiency) % | 107 | | 108 | | 109 | | | | | |
| | | Prated at -22°C kW | 5.0 | | 6.0 | | 8.0 | | | | | |

2 Specifications

2 - 1 Specifications

| Technical specifications | | | | | EHVH04S18E6V + ERGA04EVA | EHVH04S23E6V + ERGA04EVA | EHVH08S18E6V + ERGA06EVA | EHVH08S23E6V + ERGA06EVA | EHVH08S18E6V + ERGA08EVA | EHVH08S23E6V + ERGA08EVA | |
|---|--|---|--|--|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|--|
| Space heating | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 1,660 | | 1,858 | | 1,983 | | |
| | | | ηs (Seasonal space heating efficiency) | % | 148 | | 158 | | 159 | | |
| | | | Prated at 2°C | kW | 4.7 | | 5.6 | | 6.0 | | |
| | | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 2,766 | | 3,233 | | 3,625 | |
| | | | | ηs (Seasonal space heating efficiency) | % | | 176 | | | 179 | |
| | | | | Prated at -10°C | kW | 6.0 | | 7.0 | | 8.0 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 9.96 | | 11.6 | | 13.1 | | |
| | | | SCOP | | 4.48 | | 4.47 | | 4.56 | | |
| | | | Seasonal space heating eff. class | | | | A+++ | | | | |
| | A Condition (-7°CDB/ B/-8°CWB) | | COPd | | 2.90 | | 2.86 | | 2.77 | | |
| | | | Pdh | kW | 5.5 | | 6.0 | | 7.0 | | |
| | | | PERd | % | 116 | | 114 | | 111 | | |
| | B Condition (2°CDB/ B/1°CWB) | Cdh (Degradation heating) | | | | 1.0 | | | | | |
| | | COPd | | 4.33 | | 4.25 | | 4.35 | | | |
| | | Pdh | kW | 3.3 | | 3.9 | | 4.2 | | | |
| | C Condition (7°CDB/ B/6°CWB) | Cdh (Degradation heating) | | | | 1.0 | | | | | |
| | | COPd | | 6.19 | | 6.30 | | 6.49 | | | |
| | | Pdh | kW | | 3.2 | | 3.3 | | | | |
| | D Condition (12°CDB/ B/11°CWB) | Cdh (Degradation heating) | | | | 1.0 | | | | | |
| | | COPd | | | 7.78 | | 8.52 | | | | |
| | | Pdh | kW | | 3.3 | | 3.9 | | | | |
| | Tol (tem- perature operating limit) | PERd | % | | 311 | | 341 | | | | |
| | | COPd | | 2.56 | | 2.49 | | 2.41 | | | |
| | | Pdh | kW | 5.2 | | 6.0 | | 6.9 | | | |
| | Tbiv (bivalent tempera- ture) | PERd | % | 102 | | 100 | | 96 | | | |
| | | TOL | °C | | | -10 | | | | | |
| | | WTOL | °C | | | 35 | | | | | |
| Rated heat output sup- plementary capacity | Tbiv | °C | -7 | | -6 | | -8 | | | | |
| | COPd | | 2.90 | | 3.07 | | 2.49 | | | | |
| | Pdh | kW | 5.5 | | 6.1 | | 6.0 | | | | |
| Cold climate water outlet 35°C | PERd | % | 116 | | 123 | | 100 | | | | |
| | Psup (at Tdesign -10°C) | kW | 0.8 | | | | 1.0 | | | | |
| | Tbiv | °C | -7 | | -6 | | -8 | | | | |
| Space heating | Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,399 | | 1,276 | | 1,437 | | |
| | | | ηs (Seasonal space heating efficiency) | % | 241 | | 248 | | 257 | | |
| | | | Prated at 2°C | kW | 5.2 | | 6.0 | | 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 + ERGA06EVA | EHVH08S23E9W + ERGA06EVA | EHVH08S18E9W + ERGA08EVA | EHVH08S23E9W + ERGA08EVA |
|--------------------------------|--------------------------------------|---------|------|-------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Heating capacity | Nom. | | kW | | 6.00 (1) / 5.90 (2) | | 7.50 (1) / 7.80 (2) | |
| Power input | Heating | Nom. | kW | | 1.24 (1) / 1.69 (2) | | 1.63 (1) / 2.23 (2) | |
| | Domestic hot water from 10°C to 50°C | Nom. | kWh | | 2.48 | 3.01 | 2.48 | 3.01 |
| Heat up time from 10°C to 50°C | | | hr | | 1h28min | 1h40min | 1h28min | 1h40min |
| COP | | | | | 4.85 (1) / 3.50 (2) | | 4.60 (1) / 3.50 (2) | |
| Pump | Nominal ESP unit | Heating | kPa | | 52.4 (1) / 52.9 (2) | | 43.3 (1) / 41.2 (2) | |
| Water side Heat exchanger | Water flow rate | Heating | Nom. | l/min | 17.2 (1) / 16.9 (2) | | 21.5 (1) / 22.4 (2) | |

2 Specifications

2 - 1 Specifications

2

| Technical specifications | | | EHVH08S18E9W + ERGA06EVA | EHVH08S23E9W + ERGA06EVA | EHVH08S18E9W + ERGA08EVA | EHVH08S23E9W + ERGA08EVA | |
|----------------------------|--|---|---|--|-----------------------------|-----------------------------|-------|
| General | Supplier/ Manufacturer details | Name and address Name or trademark | Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium 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) | Indoor | dB(A) | | 42 | | |
| | LW(A) Sound power level (according to EN14825) | Outdoor | dB(A) | 60 | | 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 | 2,520.0 | | 2,770.0 | |
| | | Other | Capacity control | | Inverter | | |
| | | Pck (Crankcase heater mode) | kW | | 0.000 | | |
| | | Poff (Off mode) | kW | | 0.010 | | |
| | | Psb (Standby mode) | kW | | 0.010 | | |
| | | Pto (Thermostat off) | kW | | 0.010 | | |
| Domestic hot water heating | General | Declared load profile | | L | XL | 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 | 820 | 1,267 |
| | | η_{wh} (water heating efficiency) | % | 125 | 133 | 125 | 133 |
| | | Qelec (Daily electricity consumption) | kWh | 3.870 | 5.900 | 3.870 | 5.900 |
| | | Water heating energy efficiency class | | | | A+ | |
| | Cold climate | AEC (Annual electricity consumption) | kWh | 951 | 1,475 | 951 | 1,475 |
| | | η_{wh} (water heating efficiency) | % | 107 | 114 | 107 | 114 |
| | | Qelec (Daily electricity consumption) | kWh | 4.480 | 6.860 | 4.480 | 6.860 |
| | Warm climate | AEC (Annual electricity consumption) | kWh | 680 | 1,046 | 680 | 1,046 |
| Domestic hot water heating | Warm climate | η_{wh} (water heating efficiency) | % | 151 | 161 | 151 | 161 |
| | | Qelec (Daily electricity consumption) | kWh | 3.220 | 4.880 | 3.220 | 4.880 |

2 Specifications

2 - 1 Specifications

| Technical specifications | | | | EHVH08S18E9W + ERGA06EVA | EHVH08S23E9W + ERGA06EVA | EHVH08S18E9W + ERGA08EVA | EHVH08S23E9W + ERGA08EVA | | |
|--------------------------------|--|--|--|-----------------------------------|-----------------------------|-----------------------------|-----------------------------|------|------|
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 4,456 | | 4,731 | | |
| | | | η _s (Seasonal space heating efficiency) | % | 127 | | 128 | | |
| | | | Prated at -10°C | kW | 7.0 | | 7.5 | | |
| | | | Q _{he} Annual energy consumption (GCV) | Gj | 16.0 | | 17.0 | | |
| | | | SCOP | | 3.25 | | 3.27 | | |
| | | | Seasonal space heating eff. class | | | | A++ | | |
| | | | A Condition (-7°CDB/ -8°CWB) | Cdh (Degradation heating) | | | 1.0 | | |
| | | | | COPd | | | 1.98 | | |
| | | | | Pdh | kW | | 5.9 | | |
| | | | | PERd | % | | 79 | | |
| | | | B Condition (2°CDB/ 1°CWB) | Cdh (Degradation heating) | | | 1.0 | | |
| | | | | COPd | | 3.16 | | | 3.18 |
| | | | | Pdh | kW | 3.9 | | | 4.1 |
| | | | | PERd | % | 126 | | | 127 |
| | | | C Condition (7°CDB/ 6°CWB) | Cdh (Degradation heating) | | | 1.0 | | |
| | | | | COPd | | 4.49 | | | 4.54 |
| | | | | Pdh | kW | | 3.0 | | |
| | | | | PERd | % | 180 | | | 182 |
| | | | D Condition (12°CDB/ 11°CWB) | Cdh (Degradation heating) | | | 1.0 | | |
| | | | | COPd | | 6.10 | | | 6.16 |
| | | | | Pdh | kW | 3.3 | | | 3.7 |
| | | | | PERd | % | 244 | | | 246 |
| | | | | Tol (temperature operating limit) | COPd | | | 1.43 | |
| | | | | | Pdh | kW | | 4.5 | |
| | | | | | PERd | % | | 57 | |
| | | | | | TOL | °C | | -10 | |
| | | | | | WTOL | °C | | 55 | |
| | Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 2.5 | | 3.0 | | | |
| | Tbiv (bivalent temperature) | COPd | | 2.12 | | 2.18 | | | |
| | | Pdh | kW | 6.1 | | 6.4 | | | |
| | | PERd | % | 85 | | 87 | | | |
| | | Tbiv | °C | | -6 | | | | |
| Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 5,325 | | 7,066 | | | |
| | | η _s (Seasonal space heating efficiency) | % | 108 | | 109 | | | |
| | | Prated at -22°C | kW | 6.0 | | 8.0 | | | |

2 Specifications

2 - 1 Specifications

2

| Technical specifications | | | | EHVH08S18E9W + ERGA06EVA | EHVH08S23E9W + ERGA06EVA | EHVH08S18E9W + ERGA08EVA | EHVH08S23E9W + ERGA08EVA |
|--|--|--|--|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Space heating | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 1,858 | | 1,983 |
| | | | η_s (Seasonal space heating efficiency) | % | 158 | | 159 |
| | | | Prated at 2°C | kW | 5.6 | | 6.0 |
| | | | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 3,233 |
| | η_s (Seasonal space heating efficiency) | % | 176 | | | 179 | |
| | Prated at -10°C | kW | 7.0 | | | 8.0 | |
| | Qhe Annual energy consumption (GCV) | Gj | 11.6 | | | 13.1 | |
| | | | SCOP | | 4.47 | | 4.56 |
| | | | Seasonal space heating eff. class | | | A+++ | |
| | A Condition (-7°CDB/-8°CWB) | COPd | | | 2.86 | | 2.77 |
| | | | Pdh | kW | 6.0 | | 7.0 |
| | | | PERd | % | 114 | | 111 |
| | B Condition (2°CDB/1°CWB) | Cdh (Degradation heating) | | | | 1.0 | |
| | | | COPd | | 4.25 | | 4.35 |
| | | | Pdh | kW | 3.9 | | 4.2 |
| | | | PERd | % | 170 | | 174 |
| | C Condition (7°CDB/6°CWB) | Cdh (Degradation heating) | | | | 1.0 | |
| | | | COPd | | 6.30 | | 6.49 |
| | | | Pdh | kW | 3.2 | | 3.3 |
| | | | PERd | % | 252 | | 260 |
| D Condition (12°CDB/11°CWB) | Cdh (Degradation heating) | | | | 1.0 | | |
| | | COPd | | 7.78 | | 8.52 | |
| | | Pdh | kW | 3.3 | | 3.9 | |
| | | PERd | % | 311 | | 341 | |
| Tol (temperature operating limit) | COPd | | | 2.49 | | 2.41 | |
| | | Pdh | kW | 6.0 | | 6.9 | |
| | | PERd | % | 100 | | 96 | |
| | | TOL | °C | | | -10 | |
| | WTOL | °C | | | 35 | | |
| Tbiv (bivalent temperature) | COPd | | | 3.07 | 2.49 | 2.66 | |
| | | Pdh | kW | 6.1 | 6.0 | 7.5 | |
| | | PERd | % | 123 | 100 | 106 | |
| | | Tbiv | °C | -6 | | -8 | |
| 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 | | 5,052 | |
| | | η_s (Seasonal space heating efficiency) | % | 155 | | 153 | |
| | | Prated at -22°C | kW | 6.0 | | 8.0 | |
| | | Space heating | Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,276 |
| η_s (Seasonal space heating efficiency) | % | 248 | | | 257 | | |
| Prated at 2°C | kW | 6.0 | | | 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 | | | | EHVX04S18E3V + ERGA04EVA | EHVX04S23E3V + ERGA04EVA |
|--------------------------------|--------------------------------------|---------|------------|--------------------------|--------------------------|
| 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 | 0.850 (1) / 1.26 (2) | |
| | Cooling | Nom. | kW | 0.810 (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 | | | | 5.10 (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 + ERGA04EVA | | EHVX04S23E3V + ERGA04EVA | | |
|--|--|---|--|------------|--------------------------|-------|--|
| 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 | | Yes | | | |
| | | Low-temperature heat pump | | No | | | |
| | | Supplementary heater integrated | | Yes | | | |
| Water-to-water heat pump | | No | | | | | |
| LW(A) Sound power level (according to EN14825) | Indoor | dB(A) | 42 | | | | |
| | Outdoor | dB(A) | 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 | 0.000 | | | |
| | | Poff (Off mode) | kW | 0.010 | | | |
| | | Psb (Standby mode) | kW | 0.010 | | | |
| | | Pto (Thermostat off) | kW | 0.010 | | | |
| 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 | | |
| | | η_{wh} (water heating efficiency) | % | 127 | 134 | | |
| | | Qelec (Daily electricity consumption) | kWh | 3.780 | 5.810 | | |
| Domestic hot water heating | Average climate | Water heating energy efficiency class | | A+ | | | |
| | | Cold climate | AEC (Annual electricity consumption) | kWh | 932 | 1,457 | |
| | η_{wh} (water heating efficiency) | | % | 110 | 116 | | |
| | Qelec (Daily electricity consumption) | | kWh | 4.370 | 6.750 | | |
| | Warm climate | AEC (Annual electricity consumption) | kWh | 668 | 1,033 | | |
| | | η_{wh} (water heating efficiency) | % | 153 | 163 | | |
| | | Qelec (Daily electricity consumption) | kWh | 3.150 | 4.800 | | |

2 Specifications

2 - 1 Specifications

| Technical specifications | | | EHVX04S18E3V + ERGA04EVA | | EHVX04S23E3V + ERGA04EVA | |
|--|-----------------------------------|-----------------------------------|--|-----|--------------------------|--|
| Space heating  | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 3,769 | |
| | | | η_s (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°CDB/-8°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 1.97 | |
| | | | Pdh | kW | 5.3 | |
| | | | PERd | % | 79 | |
| | | B Condition (2°CDB/1°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 3.23 | |
| | | | Pdh | kW | 3.3 | |
| | | | PERd | % | 129 | |
| | | C Condition (7°CDB/6°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 4.40 | |
| | | | Pdh | kW | 3.0 | |
| | | | PERd | % | 176 | |
| | | D Condition (12°CDB/11°CWB) | Cdh (Degradation heating) | | 1.0 | |
| | | | COPd | | 6.10 | |
| | | | 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 | | | |

2 Specifications

2 - 1 Specifications

| Technical specifications | | | | | EHVX04S18E3V + ERGA04EVA | | EHVX04S23E3V + ERGA04EVA | |
|-----------------------------------|-----------------------------------|--|--|---------------------------|--------------------------|-------|--------------------------|--|
| 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°CDB/-8°CWB) | COPd | | 2.90 | | |
| | | | | Pdh | kW | 5.5 | | |
| | | | | PERd | % | 116 | | |
| | | | | Cdh (Degradation heating) | | 1.0 | | |
| | B Condition (2°CDB/1°CWB) | COPd | | 4.33 | | | | |
| | | | Pdh | kW | 3.3 | | | |
| | | | PERd | % | 173 | | | |
| | C Condition (7°CDB/6°CWB) | Cdh (Degradation heating) | | 1.0 | | | | |
| | | | COPd | 6.19 | | | | |
| | | | Pdh | kW | 3.2 | | | |
| | PERd | % | 248 | | | | | |
| D Condition (12°CDB/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 | | 2.90 | | | | | |
| | | Pdh | kW | 5.5 | | | | |
| | | PERd | % | 116 | | | | |
| Average climate water outlet 35°C | Tbiv (bivalent temperature) | Tbiv | °C | | -7 | | | |
| Cold climate water outlet 35°C | General | Annual energy consumption | kWh | | 3,208 | | | |
| | | ηs (Seasonal space heating efficiency) | % | | 151 | | | |
| Warm climate water outlet 35°C | General | Prated at -22°C | kW | | 5.0 | | | |
| | | Annual energy consumption | kWh | | 1,095 | | | |
| | | ηs (Seasonal space heating efficiency) | % | | 251 | | | |
| | | Prated at 2°C | kW | | 5.2 | | | |
| | | Rated heat output supplementary capacity | kW | | 0.8 | | | |

(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 + ERGA04EVA | EHVX04S23E6V + ERGA04EVA | EHVX08S18E6V + ERGA06EVA | EHVX08S23E6V + ERGA06EVA | EHVX08S18E6V + ERGA08EVA | EHVX08S23E6V + ERGA08EVA |
|--------------------------|------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Heating capacity | Nom. | kW | 4.30 (1) / 4.60 (2) | 6.00 (1) / 5.90 (2) | 7.50 (1) / 7.80 (2) | | |
| Cooling capacity | Nom. | kW | 4.86 (1) / 4.52 (2) | 5.96 (1) / 5.09 (2) | 6.25 (1) / 5.44 (2) | | |

2 Specifications

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| Technical specifications | | | | EHVX04S18E6V + ERGA04EVA | EHVX04S23E6V + ERGA04EVA | EHVX08S18E6V + ERGA06EVA | EHVX08S23E6V + ERGA06EVA | EHVX08S18E6V + ERGA08EVA | EHVX08S23E6V + ERGA08EVA | |
|--|--|---|--------------------------------------|--|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------|
| Power input | Heating | Nom. | kW | 0.850 (1) / 1.26 (2) | | 1.24 (1) / 1.69 (2) | | 1.63 (1) / 2.23 (2) | | |
| | Cooling | Nom. | kW | 0.810 (1) / 1.36 (2) | | 1.06 (1) / 1.55 (2) | | 1.16 (1) / 1.73 (2) | | |
| | Domestic hot water from 10°C to 50°C | Nom. | kWh | 2.48 | 3.01 | 2.48 | 3.01 | 2.48 | 3.01 | |
| Heat up time from 10°C to 50°C | | | hr | 1h28min | 1h40min | 1h28min | 1h40min | 1h28min | 1h40min | |
| COP | | | | 5.10 (1) / 3.65 (2) | | 4.85 (1) / 3.50 (2) | | 4.60 (1) / 3.50 (2) | | |
| EER | | | | 5.98 (1) / 3.32 (2) | | 5.61 (1) / 3.28 (2) | | 5.40 (1) / 3.14 (2) | | |
| Pump | Nominal ESP unit | Cooling | kPa | 54.6 (1) / 58.8 (2) | | 52.6 (1) / 56.7 (2) | | 51.1 (1) / 55.1 (2) | | |
| | | Heating | kPa | 59.6 (1) / 58.6 (2) | | 52.4 (1) / 52.9 (2) | | 43.3 (1) / 41.2 (2) | | |
| Water side Heat exchanger | Water flow rate | Cooling | Nom. l/min | 15.9 (1) / 13.0 (2) | | 17.1 (1) / 14.6 (2) | | 17.9 (1) / 15.6 (2) | | |
| | | Heating | Nom. l/min | 12.3 (1) / 13.2 (2) | | 17.2 (1) / 16.9 (2) | | 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) | Indoor | | dB(A) | 42 | | | | | |
| | | Outdoor | | dB(A) | 58 | | 60 | | 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) | | 2,280.0 | | 2,520.0 | | 2,770.0 | | |
| | | Other | Capacity control | | Inverter | | | | | |
| | Pck (Crankcase heater mode) | | 0.000 | | 0.000 | | 0.000 | | | |
| | Poff (Off mode) | | 0.010 | | 0.010 | | 0.010 | | | |
| | Psb (Standby mode) | | 0.010 | | 0.010 | | 0.010 | | | |
| | Pto (Thermostat off) | | 0.010 | | 0.010 | | 0.010 | | | |
| Domestic hot water heating | General | Declared load profile | | L | XL | L | XL | L | XL | |
| | | Function to fix water heating during off peak hours | | No | | | | | | |
| Space heating general | Integrated supplementary heater | Psup | | 6.0 | | | | | | |
| | | Type of energy input | | Electrical | | | | | | |
| Domestic hot water heating | Average climate | AEC (Annual electricity consumption) | | 820 | 1,267 | 820 | 1,267 | 820 | 1,267 | |
| | | η _{wh} (water heating efficiency) | | 125 | 133 | 125 | 133 | 125 | 133 | |
| | | Qelec (Daily electricity consumption) | | 3.870 | 5.900 | 3.870 | 5.900 | 3.870 | 5.900 | |
| Domestic hot water heating | Average climate | Water heating energy efficiency class | | A+ | | | | | | |
| | | Cold climate | AEC (Annual electricity consumption) | | 951 | 1,475 | 951 | 1,475 | 951 | 1,475 |
| | η _{wh} (water heating efficiency) | | 107 | 114 | 107 | 114 | 107 | 114 | | |
| | Qelec (Daily electricity consumption) | | 4.480 | 6.860 | 4.480 | 6.860 | 4.480 | 6.860 | | |
| | Warm climate | AEC (Annual electricity consumption) | | 680 | 1,046 | 680 | 1,046 | 680 | 1,046 | |
| | | η _{wh} (water heating efficiency) | | 151 | 161 | 151 | 161 | 151 | 161 | |
| | | Qelec (Daily electricity consumption) | | 3.220 | 4.880 | 3.220 | 4.880 | 3.220 | 4.880 | |

2 Specifications

2 - 1 Specifications

| Technical specifications | | | | EHVX04S18E6V + ERGA04EVA | EHVX04S23E6V + ERGA04EVA | EHVX08S18E6V + ERGA06EVA | EHVX08S23E6V + ERGA06EVA | EHVX08S18E6V + ERGA08EVA | EHVX08S23E6V + ERGA08EVA | | |
|--|---|---------|--|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|--|------|
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 3,769 | | 4,419 | | 4,694 | | |
| | | | η _s (Seasonal space heating efficiency) | % | 129 | | 128 | | 129 | | |
| | | | Prated at -10°C | kW | 6.0 | | 7.0 | | 7.5 | | |
| | | | Q _{he} Annual energy consumption (GCV) | Gj | 13.6 | | 15.9 | | 16.9 | | |
| | | | SCOP | | 3.29 | | 3.27 | | 3.30 | | |
| | | | Seasonal space heating eff. class | | | | A++ | | | | |
| | | | A Condition (-7°CDB/-8°CWB) | Cdh (Degradation heating) | | | 1.0 | | | | |
| | | | | COPd | | 1.97 | | | 1.98 | | |
| | | | | Pdh | | 5.3 | | | 5.9 | | |
| | | | | PERd | | | | | 79 | | |
| | | | B Condition (2°CDB/1°CWB) | Cdh (Degradation heating) | | | 1.0 | | | | |
| | | | | COPd | | 3.23 | | | 3.16 | | 3.18 |
| | | | | Pdh | | 3.3 | | | 3.9 | | 4.1 |
| | | | | PERd | | 129 | | | 126 | | 127 |
| | | | C Condition (7°CDB/6°CWB) | Cdh (Degradation heating) | | | 1.0 | | | | |
| | | | | COPd | | 4.40 | | | 4.49 | | 4.54 |
| | | | | Pdh | | | | | 3.0 | | |
| | | | | PERd | | 176 | | | 180 | | 182 |
| | | | D Condition (12°CDB/11°CWB) | Cdh (Degradation heating) | | | 1.0 | | | | |
| | | | | COPd | | | 6.10 | | | | 6.16 |
| | | | | Pdh | | | 3.3 | | | | 3.7 |
| | | | | PERd | | | 244 | | | | 246 |
| | | | Tol (temperature operating limit) | COPd | | 1.37 | | | 1.43 | | |
| | | | | Pdh | | 4.0 | | | 4.5 | | |
| | | | | PERd | | 55 | | | 57 | | |
| | | | | TOL | | | | | -10 | | |
| | | | | WTOL | | | | | 55 | | |
| Rated heat output supplementary capacity | P _{sup} (at T _{design} -10°C) | | 2.0 | | | 2.5 | | 3.0 | | | |
| T _{biv} (bivalent temperature) | COPd | | 1.97 | | | 2.12 | | 2.18 | | | |
| | Pdh | | 5.3 | | | 6.1 | | 6.4 | | | |

2 Specifications

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| Technical specifications | | | | | EHVX04S18E6V + ERGA04EVA | EHVX04S23E6V + ERGA04EVA | EHVX08S18E6V + ERGA06EVA | EHVX08S23E6V + ERGA06EVA | EHVX08S18E6V + ERGA08EVA | EHVX08S23E6V + ERGA08EVA | |
|-----------------------------------|-----------------------------------|--|--|---------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|------|
| Space heating | Average climate water outlet 55°C | Tbiv (bivalent temperature) | PERd | % | 79 | | | 85 | | 87 | |
| | | | Tbiv | °C | -7 | | | -6 | | | |
| | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 4,446 | | | 5,303 | | 7,044 | |
| | | | ηs (Seasonal space heating efficiency) | % | 108 | | | 109 | | | |
| | | | Prated at -22°C | kW | 5.0 | | | 6.0 | | 8.0 | |
| | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 1,616 | | | 1,813 | | 1,939 | |
| | | | ηs (Seasonal space heating efficiency) | % | 152 | | | 162 | | | |
| | | | Prated at 2°C | kW | 4.7 | | | 5.6 | | 6.0 | |
| | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 2,729 | | | 3,196 | | 3,588 | |
| | | | ηs (Seasonal space heating efficiency) | % | 179 | | | 178 | | 181 | |
| | | | Prated at -10°C | kW | 6.0 | | | 7.0 | | 8.0 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 9.82 | | | 11.5 | | 12.9 | |
| | | | SCOP | | 4.54 | | | 4.52 | | 4.61 | |
| | | | Seasonal space heating eff. class | | | | | A+++ | | | |
| | | | A Condition (-7°CDB/-8°CWB) | COPd | | 2.90 | | | 2.86 | | 2.77 |
| | | | | Pdh | kW | 5.5 | | | 6.0 | | 7.0 |
| | | | | PERd | % | 116 | | | 114 | | 111 |
| | | | | Cdh (Degradation heating) | | | | | 1.0 | | |
| | B Condition (2°CDB/1°CWB) | General | COPd | | 4.33 | | | 4.25 | | 4.35 | |
| | | | Pdh | kW | 3.3 | | | 3.9 | | 4.2 | |
| | | | PERd | % | 173 | | | 170 | | 174 | |
| | C Condition (7°CDB/6°CWB) | General | Cdh (Degradation heating) | | | | | 1.0 | | | |
| | | | COPd | | 6.19 | | | 6.30 | | 6.49 | |
| | | | Pdh | kW | | | 3.2 | | | 3.3 | |
| | D Condition (12°CDB/11°CWB) | General | PERd | % | 248 | | | 252 | | 260 | |
| | | | Cdh (Degradation heating) | | | | | 1.0 | | | |
| | | | COPd | | | | 7.78 | | | 8.52 | |
| Tol (temperature operating limit) | General | Pdh | kW | | | 3.3 | | | 3.9 | | |
| | | PERd | % | | | 311 | | | 341 | | |
| | | Tol | °C | | | | | | | | |
| Tbiv (bivalent temperature) | General | COPd | | 2.56 | | | 2.49 | | 2.41 | | |
| | | Pdh | kW | 5.2 | | | 6.0 | | 6.9 | | |
| | | PERd | % | 102 | | | 100 | | 96 | | |
| TOL | General | TOL | °C | | | | -10 | | | | |
| | | WTOL | °C | | | | 35 | | | | |
| | | COPd | | 2.90 | | 3.07 | | 2.49 | | 2.66 | |
| Tbiv (bivalent temperature) | General | Pdh | kW | 5.5 | | | 6.1 | | 7.5 | | |
| | | PERd | % | 116 | | | 123 | | 100 | | |
| | | WTOL | °C | | | | | | | -8 | |
| Space heating | Average climate water outlet 35°C | Tbiv (bivalent temperature) | Tbiv | °C | -7 | | | -6 | | -8 | |
| | | | Rated heat output supplementary capacity | kW | 0.8 | | | 1.0 | | | |
| Cold climate water outlet 35°C | General | Annual energy consumption | kWh | 3,208 | | | 3,727 | | 5,030 | | |
| | | ηs (Seasonal space heating efficiency) | % | 151 | | | 156 | | 154 | | |
| | | Prated at -22°C | kW | 5.0 | | | 6.0 | | 8.0 | | |
| Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,095 | | | 1,231 | | 1,393 | | |
| | | ηs (Seasonal space heating efficiency) | % | 251 | | | 257 | | 266 | | |
| | | Prated at 2°C | kW | 5.2 | | | 6.0 | | 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 + ERGA06EVA | EHVX08S23E9W + ERGA06EVA | EHVX08S18E9W + ERGA08EVA | EHVX08S23E9W + ERGA08EVA |
|--------------------------|------|----|--|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Heating capacity | Nom. | kW | | 6.00 (1) / 5.90 (2) | | 7.50 (1) / 7.80 (2) | |
| Cooling capacity | Nom. | kW | | 5.96 (1) / 5.09 (2) | | 6.25 (1) / 5.44 (2) | |

2 Specifications

2 - 1 Specifications

| Technical specifications | | | | EHVX08S18E9W + ERGA06EVA | EHVX08S23E9W + ERGA06EVA | EHVX08S18E9W + ERGA08EVA | EHVX08S23E9W + ERGA08EVA |
|--------------------------------|--|--|--------------------------------------|-----------------------------|--|-----------------------------|-----------------------------|
| Power input | Heating | Nom. | kW | 1.24 (1) / 1.69 (2) | | 1.63 (1) / 2.23 (2) | |
| | Cooling | Nom. | kW | 1.06 (1) / 1.55 (2) | | 1.16 (1) / 1.73 (2) | |
| | Domestic hot water from 10°C to 50°C | Nom. | kWh | 2.48 | 3.01 | 2.48 | 3.01 |
| Heat up time from 10°C to 50°C | | | hr | 1h28min | 1h40min | 1h28min | 1h40min |
| COP | | | | 4.85 (1) / 3.50 (2) | | 4.60 (1) / 3.50 (2) | |
| EER | | | | 5.61 (1) / 3.28 (2) | | 5.40 (1) / 3.14 (2) | |
| Pump | Nominal ESP unit | Cooling | kPa | 52.6 (1) / 56.7 (2) | | 51.1 (1) / 55.1 (2) | |
| | | Heating | kPa | 52.4 (1) / 52.9 (2) | | 43.3 (1) / 41.2 (2) | |
| Water side Heat exchanger | Water flow rate | Cooling | l/min | 17.1 (1) / 14.6 (2) | | 17.9 (1) / 15.6 (2) | |
| | | Heating | l/min | 17.2 (1) / 16.9 (2) | | 21.5 (1) / 22.4 (2) | |
| General | Supplier/Manufacturer details | Name and address Name or trademark Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium 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) | Indoor | dB(A) | 42 | | | |
| | LW(A) Sound power level (according to EN14825) | Outdoor | dB(A) | 60 | | 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 | 2,520.0 | | 2,770.0 | |
| | | Other | Capacity control | | Inverter | | |
| | Pck (Crankcase heater mode) | | kW | 0.000 | | | |
| | Poff (Off mode) | | kW | 0.010 | | | |
| | Psb (Standby mode) | | kW | 0.010 | | | |
| | Pto (Thermostat off) | kW | 0.010 | | | | |
| Domestic hot water heating | General | Declared load profile | | L | XL | 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 | 820 | 1,267 |
| | | η _{wh} (water heating efficiency) | % | 125 | 133 | 125 | 133 |
| | | Qelec (Daily electricity consumption) | kWh | 3.870 | 5.900 | 3.870 | 5.900 |
| Domestic hot water heating | Average climate | Water heating energy efficiency class | | A+ | | | |
| | | Cold climate | AEC (Annual electricity consumption) | kWh | 951 | 1,475 | 951 |
| | η _{wh} (water heating efficiency) | | % | 107 | 114 | 107 | 114 |
| | Qelec (Daily electricity consumption) | | kWh | 4.480 | 6.860 | 4.480 | 6.860 |
| | Warm climate | AEC (Annual electricity consumption) | kWh | 680 | 1,046 | 680 | 1,046 |
| | | η _{wh} (water heating efficiency) | % | 151 | 161 | 151 | 161 |
| | | Qelec (Daily electricity consumption) | kWh | 3.220 | 4.880 | 3.220 | 4.880 |

2 Specifications

2 - 1 Specifications

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| Technical specifications | | | | EHVX08S18E9W + ERGA06EVA | EHVX08S23E9W + ERGA06EVA | EHVX08S18E9W + ERGA08EVA | EHVX08S23E9W + ERGA08EVA |
|--|-----------------------------------|--|------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Space heating Average climate water outlet 55°C | General | Annual energy consumption | kWh | 4,419 | | 4,694 | |
| | | ηs (Seasonal space heating efficiency) | % | 128 | | 129 | |
| | | Prated at -10°C | kW | 7.0 | | 7.5 | |
| | | Qhe Annual energy consumption (GCV) | Gj | 15.9 | | 16.9 | |
| | | SCOP | | 3.27 | | 3.30 | |
| | | Seasonal space heating eff. class | | | | A++ | |
| | A Condition (-7°CDB/1°CWB) | Cdh (Degradation heating) | | | | 1.0 | |
| | | COPd | | | | 1.98 | |
| | | Pdh | kW | | | 5.9 | |
| | | PERd | % | | | 79 | |
| | B Condition (2°CDB/1°CWB) | Cdh (Degradation heating) | | | | 1.0 | |
| | | COPd | | 3.16 | | 3.18 | |
| | | Pdh | kW | 3.9 | | 4.1 | |
| | | PERd | % | 126 | | 127 | |
| | C Condition (7°CDB/6°CWB) | Cdh (Degradation heating) | | | | 1.0 | |
| | | COPd | | 4.49 | | 4.54 | |
| | | Pdh | kW | | | 3.0 | |
| | | PERd | % | 180 | | 182 | |
| | D Condition (12°CDB/11°CWB) | Cdh (Degradation heating) | | | | 1.0 | |
| | | COPd | | 6.10 | | 6.16 | |
| | | Pdh | kW | 3.3 | | 3.7 | |
| | | PERd | % | 244 | | 246 | |
| | Tol (temperature operating limit) | COPd | | | | 1.43 | |
| | | Pdh | kW | | | 4.5 | |
| | | PERd | % | | | 57 | |
| | | TOL | °C | | | -10 | |
| | | WTOL | °C | | | 55 | |
| Rated heat output supplementary capacity | Psup (at Tdesign -10°C) | kW | 2.5 | | 3.0 | | |
| Tbiv (bivalent temperature) | COPd | | 2.12 | | 2.18 | | |
| | Pdh | kW | 6.1 | | 6.4 | | |

2 Specifications

2 - 1 Specifications

| Technical specifications | | | | | EHVX08S18E9W + ERGA06EVA | EHVX08S23E9W + ERGA06EVA | EHVX08S18E9W + ERGA08EVA | EHVX08S23E9W + ERGA08EVA |
|-----------------------------------|-----------------------------------|--|--|-------|--------------------------|--------------------------|--------------------------|--------------------------|
| Space heating | Average climate water outlet 55°C | Tbiv (bivalent temperature) | PERd | % | 85 | | 87 | |
| | | | Tbiv | °C | | | -6 | |
| | Cold climate water outlet 55°C | General | Annual energy consumption | kWh | 5,303 | | 7,044 | |
| | | | ηs (Seasonal space heating efficiency) | % | | | 109 | |
| | | | Prated at -22°C | kW | 6.0 | | 8.0 | |
| | Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 1,813 | | 1,939 | |
| | | | ηs (Seasonal space heating efficiency) | % | | | 162 | |
| | | | Prated at 2°C | kW | 5.6 | | 6.0 | |
| | Average climate water outlet 35°C | General | Annual energy consumption | kWh | 3,196 | | 3,588 | |
| | | | ηs (Seasonal space heating efficiency) | % | 178 | | 181 | |
| | | | Prated at -10°C | kW | 7.0 | | 8.0 | |
| | | | Qhe Annual energy consumption (GCV) | Gj | 11.5 | | 12.9 | |
| | | | SCOP | | 4.52 | | 4.61 | |
| | | | Seasonal space heating eff. class | | | | A+++ | |
| | | | A Condition (-7°CDB/-8°CWB) | COPd | | 2.86 | | 2.77 |
| | B Condition (2°CDB/1°CWB) | Pdh | kW | 6.0 | | 7.0 | | |
| | | PERd | % | 114 | | 111 | | |
| | | Cdh (Degradation heating) | | | | 1.0 | | |
| | C Condition (7°CDB/6°CWB) | COPd | | 4.25 | | 4.35 | | |
| | | Pdh | kW | 3.9 | | 4.2 | | |
| | | PERd | % | 170 | | 174 | | |
| | D Condition (12°CDB/11°CWB) | Cdh (Degradation heating) | | | | 1.0 | | |
| | | COPd | | 6.30 | | 6.49 | | |
| | | Pdh | kW | 3.2 | | 3.3 | | |
| Tol (temperature operating limit) | PERd | % | 252 | | 260 | | | |
| | COPd | | 2.49 | | 2.41 | | | |
| | Pdh | kW | 6.0 | | 6.9 | | | |
| Tbiv (bivalent temperature) | PERd | % | 100 | | 96 | | | |
| | TOL | °C | | | -10 | | | |
| | WTOL | °C | | | 35 | | | |
| Tbiv (bivalent temperature) | COPd | | 3.07 | | 2.49 | | | |
| | Pdh | kW | 6.1 | | 6.0 | | | |
| | PERd | % | 123 | | 100 | | | |
| Space heating | Average climate water outlet 35°C | Tbiv (bivalent temperature) | Tbiv | °C | -6 | | -8 | |
| | | | Rated heat output supplementary capacity | | | | 1.0 | |
| Cold climate water outlet 35°C | General | Annual energy consumption | kWh | 3,727 | | 5,030 | | |
| | | ηs (Seasonal space heating efficiency) | % | 156 | | 154 | | |
| | | Prated at -22°C | kW | 6.0 | | 8.0 | | |
| Warm climate water outlet 35°C | General | Annual energy consumption | kWh | 1,231 | | 1,393 | | |
| | | ηs (Seasonal space heating efficiency) | % | 257 | | 266 | | |
| | | Prated at 2°C | kW | 6.0 | | 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 | | ERGA04EVA | ERGA06EVA | ERGA08EVA |
|--------------------------|----------|--|-----------|-----------|
| Casing | Colour | Ivory white | | |
| | Material | Polyester painted galvanised steel plate | | |

2 Specifications

2 - 1 Specifications

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| Technical Specifications | | | | ERGA04EVA | ERGA06EVA | ERGA08EVA | |
|--------------------------|-------------------------------|-----------------|----------------|---|--------------------------------------|-----------|--|
| 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 | | 1.5 | | |
| Heat exchanger | Length | | mm | | 920 | | |
| | Rows | Quantity | | | 2 | | |
| | Fin pitch | | mm | | 1.40 | | |
| | 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 | | |
| Fan motor | Discharge direction | | | | Horizontal | | |
| | Quantity | | | | 1 | | |
| | Model | | | | KFD-325-77-10A | | |
| | Output | | W | | 77 | | |
| Speed | Heating | Nom. | rpm | 620 | 680 | 740 | |
| | 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) | 60 (1) | 62 (1) | |
| | Cooling | Nom. | dBA | 61 (1) | | 62 (1) | |
| Sound pressure level | Heating | Nom. | dBA | 44 (1) | 47 (1) | 49 (1) | |
| | Cooling | Nom. | dBA | 48 (1) | 49 (1) | 50 (1) | |
| Refrigerant | Type | | | | R-32 | | |
| | GWP | | | | 675.0 | | |
| | Charge | | kg | | 1.50 | | |
| | 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 | | | |

2 Specifications

2 - 1 Specifications

| Electrical Specifications | | | | ERGA04EVA | ERGA06EVA | ERGA08EVA |
|---------------------------|----------------------------|-------------------|--------------------|-----------|-----------|-----------|
| Power supply | Name | | | V3 | | |
| | Phase | | | 1N~ | | |
| | Frequency | | Hz | 50 | | |
| | Voltage | | V | 230 | | |
| | Voltage range | Min. | % | -10 | | |
| | | Max. | % | 10 | | |
| Current | Maximum running current | Heating | A | 15,9 | | |
| | | Recommended fuses | A | 16 | | |
| | Inverter modulation | Min. | % | 35 | 37 | 35 |
| | | | | | | |
| Wiring connections | For power supply | Quantity | 3 | | | |
| | | Remark | 2,5mm ² | | | |
| | For connection with indoor | Quantity | 4 | | | |
| | | Remark | 1,5mm ² | | | |
| 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

3
ERGA04-08EVA

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

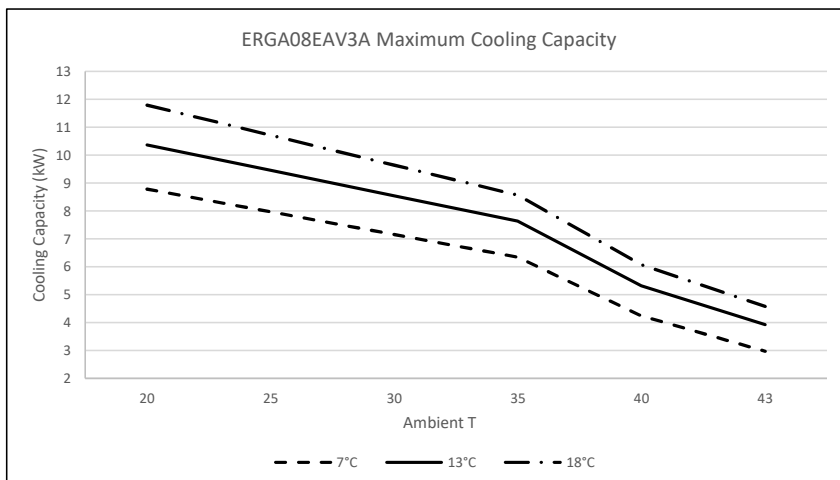
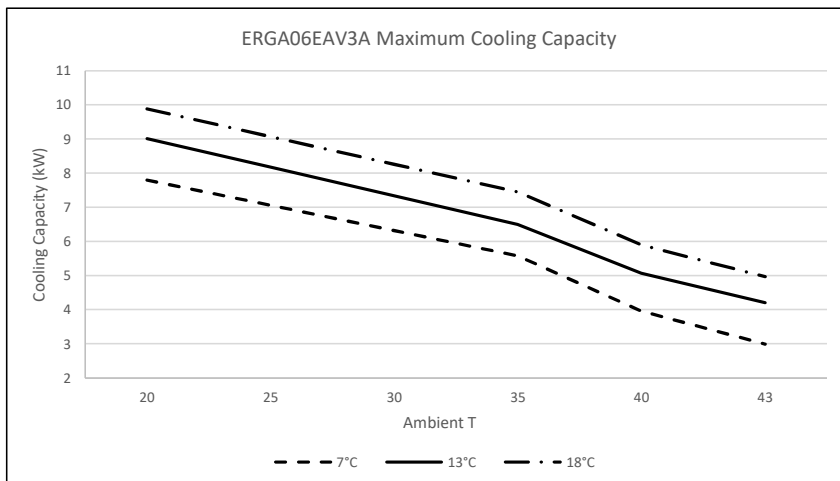
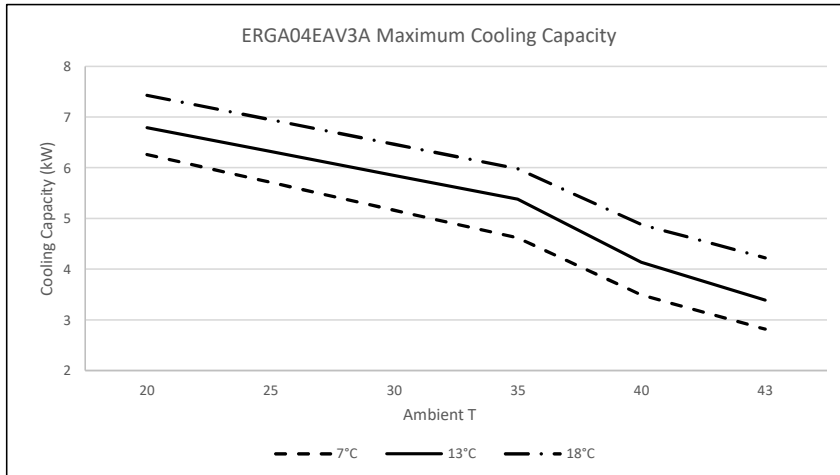
When installing ·EKDP008D· units in heavy snowfall areas, also install option kit ·EKDPH008CA·.

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4 Capacity graphs

4 - 1 Cooling Capacity Graphs

ERGA04-08EVA



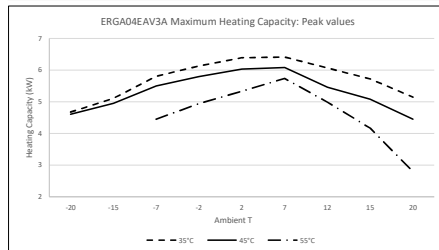
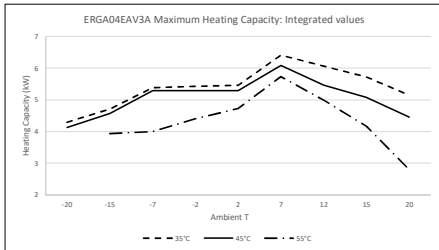
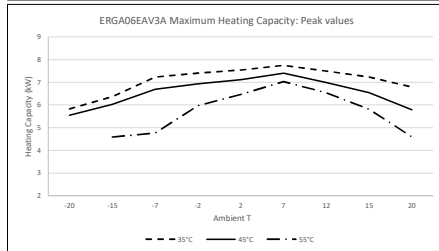
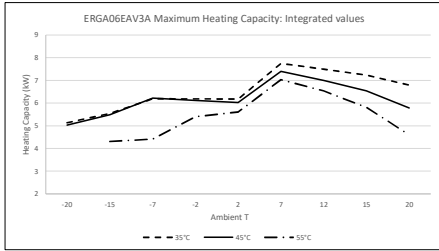
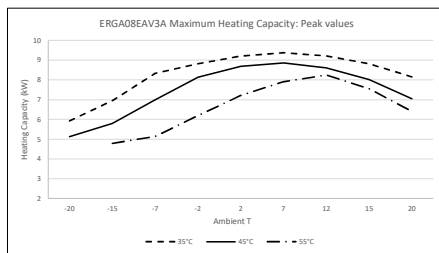
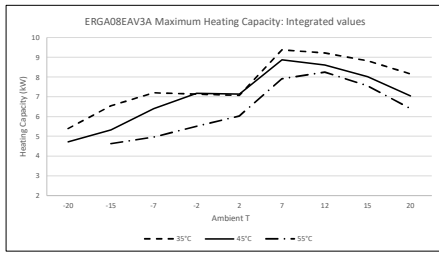
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4 Capacity graphs

4 - 2 Heating Capacity Graphs

4

ERGA04-08EVA

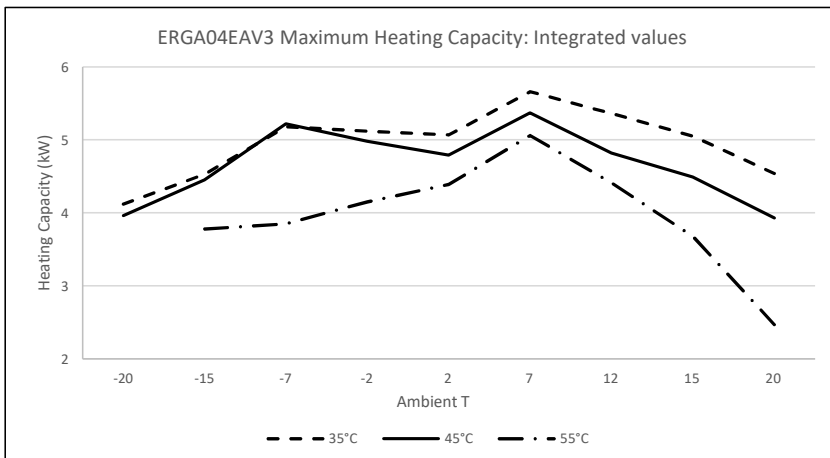
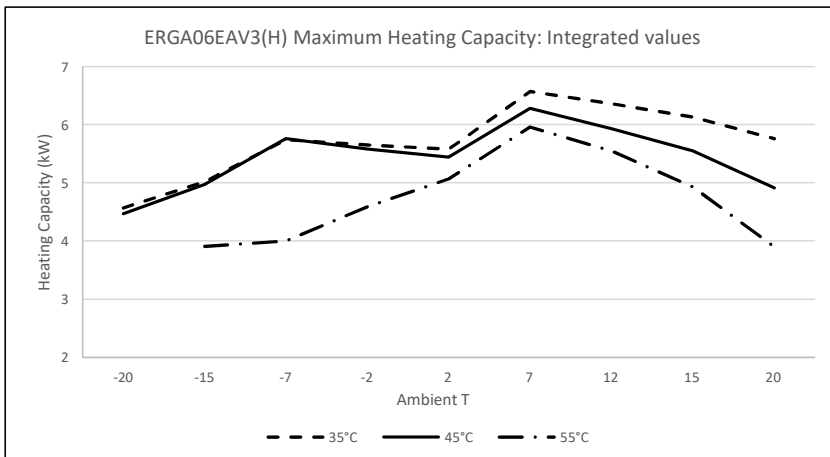
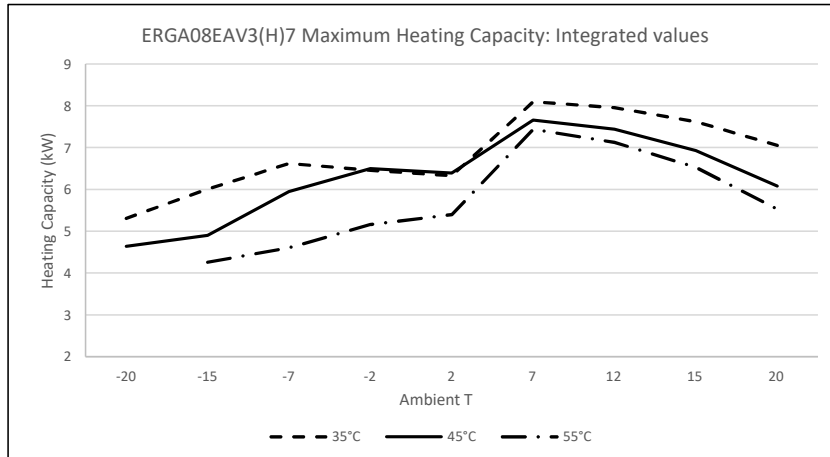


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4 Capacity graphs

4 - 3 Heating Capacity Graphs - more quiet mode

ERGA04-08EVA



3D116504E

5 Capacity tables

5 - 1 Certification Programs

5

ERGA04-08EVA

Rated data for certification programmes - heating mode

| Tamb [°C] | EWC [°C] | LWC [°C] | ERGA04EAV3 | | ERGA06EAV3(H) | | ERGA08EAV3(H)(7) | |
|--------------|-------------|-------------|------------|------|---------------|------|------------------|------|
| | | | HC [kW] | COP | HC [kW] | COP | HC [kW] | COP |
| 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 | 2,65 | 5,80 | 2,70 | 7,50 | 2,70 |
| -7/-8 | 47 | 55 | 4,20 | 1,60 | 5,00 | 1,65 | 5,50 | 1,70 |

Rated data for certification programmes - cooling mode

| Tamb [°C] | EWE [°C] | LWE [°C] | ERGA04EAV3(A) | | ERGA06EAV3(A/H) | | ERGA08EAV3(A/H)(7) | |
|--------------|-------------|-------------|---------------|------|-----------------|------|--------------------|------|
| | | | CC [kW] | EER | CC [kW] | EER | CC [kW] | EER |
| 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 |

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 |
| η _{cc} | [-] | 223% | 226% | 226% |
| Q _{cc} | [kWh/annum] | 480 | 533 | 571 |

Rated data for certification programmes - heating mode

| Tamb [°C] | EWC [°C] | LWC [°C] | ERGA04EAV3A | | ERGA06EAV3A | | ERGA08EAV3A | |
|--------------|-------------|-------------|-------------|------|-------------|------|-------------|------|
| | | | HC [kW] | COP | HC [kW] | COP | HC [kW] | COP |
| 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 | 2,65 | 5,80 | 2,70 | 7,50 | 2,70 |
| -7/-8 | 47 | 55 | 4,20 | 1,60 | 4,91 | 1,65 | 4,86 | 1,70 |

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 condenser temperature [°C]
- EWE Entering water evaporator temperature [°C]

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 |

Rated data for certification programmes - heating mode

Measured according to -UNI/TS 11300-

| Condition | Tamb [°C] | LWC [°C] | PLR [%] | *RGA04EA* | | *RGA06EA* | | *RGA08EA* | |
|-----------|--------------|-------------|------------|------------|------|------------|------|------------|------|
| | | | | HC [kW] | COP | HC [kW] | COP | HC [kW] | 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

Measured according to -UNI/TS 11300-

| Condition | Tamb [°C] | LWE [°C] | PLR [%] | *RGA04EA* | | *RGA06EA* | | *RGA08EA* | |
|-----------|--------------|-------------|------------|------------|------|------------|------|------------|------|
| | | | | CC [kW] | EER | CC [kW] | EER | CC [kW] | 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 | 3,58 | 9,90 | 3,58 | 9,90 | 3,58 | 9,90 |
| 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 | 2,59 | 6,31 | 2,59 | 6,31 | 2,59 | 6,31 |

* Minimum CC that the unit can deliver in part load D

- LWE Leaving water evaporator temperature [°C]
- Tamb Ambient temperature [°C DB/WB]
- Pdes Nominal capacity value at design temperature [kW]
- η_{cc} Seasonal space cooling energy efficiency according to EN14825
- SEER Seasonal energy efficiency ratio according to -EN14825-
- Q_{cc} Annual energy consumption for cooling according to -EN14825-

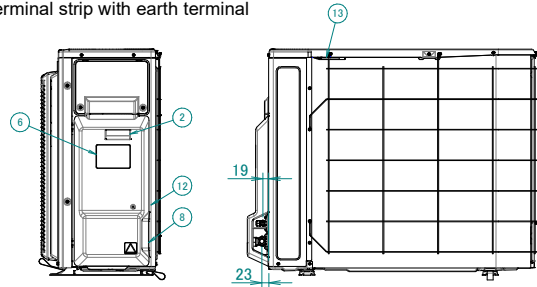
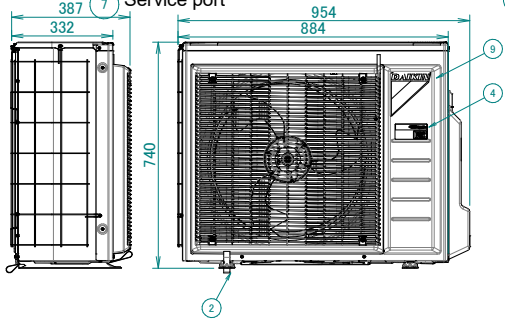
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6 Dimensional drawings

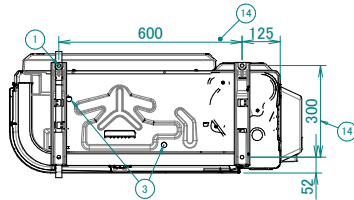
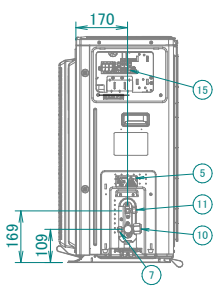
6 - 1 Dimensional Drawings

ERGA04-08EV
ERGA04-08EVA

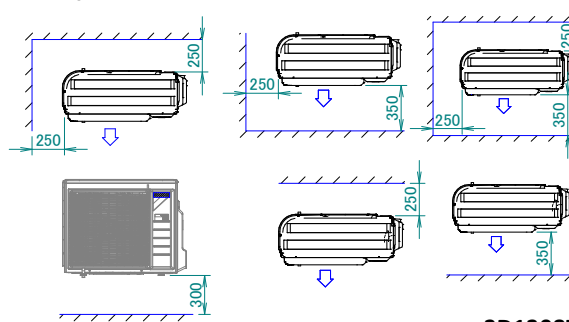
- ① 4 holes for anchor bolts
M8 OR M10
- ② Handle
- ③ Drain outlet
- ④ Nameplate
- ⑤ Caution label
- ⑥ Manufacturer label
- ⑦ Service port
- ⑧ Wiring intake area
- ⑨ Brand name label
- ⑩ Gas stop valve $\varnothing 15.9$ CuT
- ⑪ Liquid stop valve $\varnothing 6.4$ CuT
- ⑫ Product liability label
- ⑬ 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



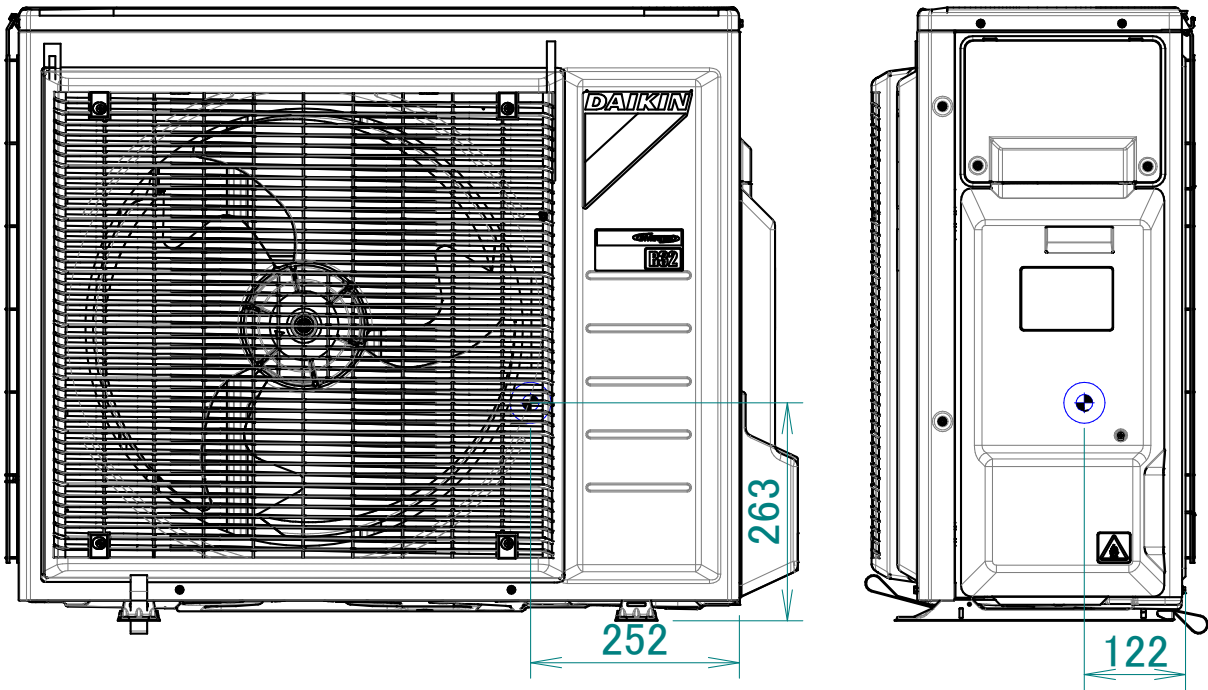
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7 Centre of gravity

7 - 1 Centre of Gravity

ERGA04-08EV
ERGA04-08EVA

7



4D130872A

9 Wiring diagrams

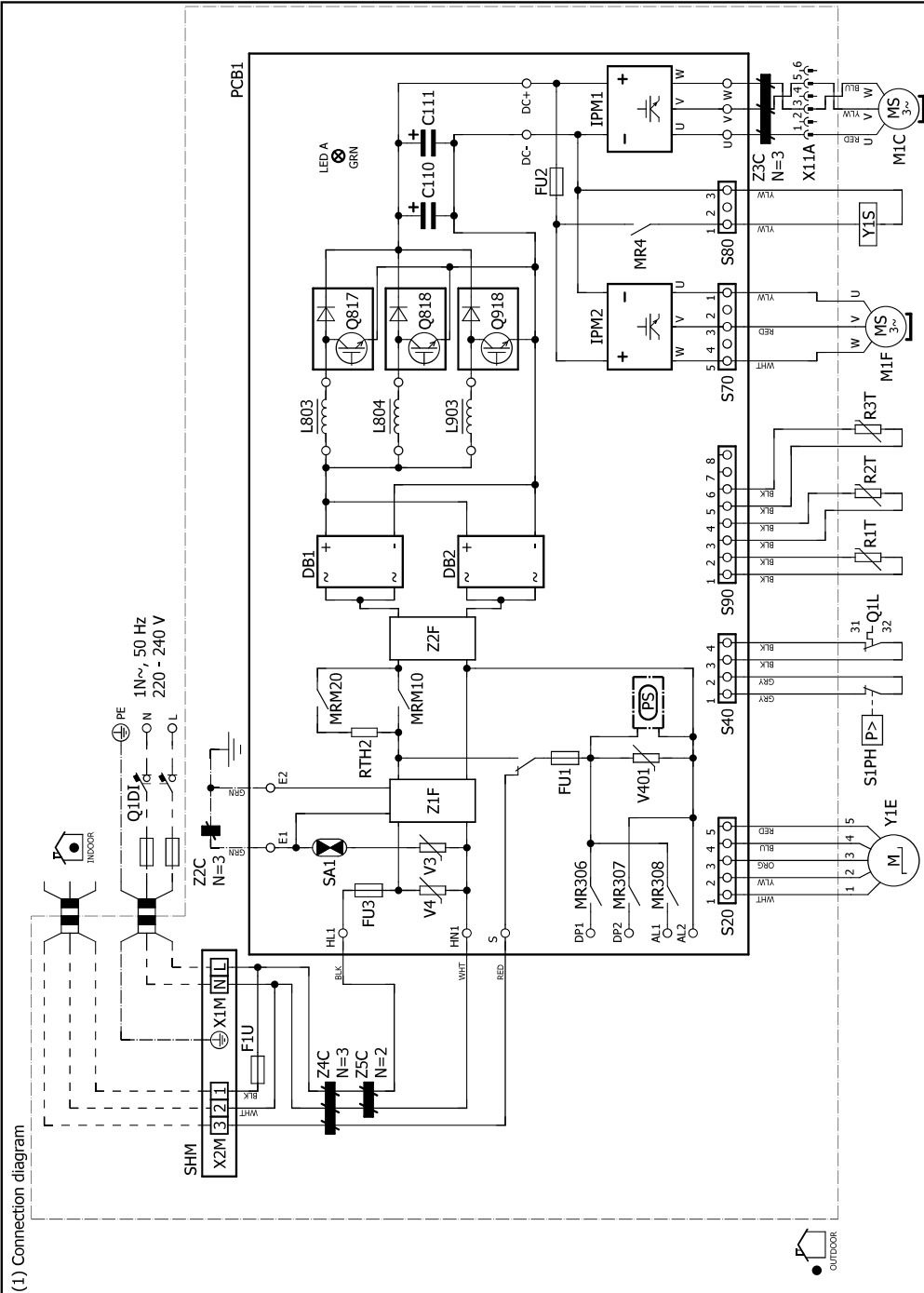
9 - 1 Wiring Diagrams - Single Phase

9

ERGA04-08EVA

(3) Legend

| Part n° | Description |
|--------------|--|
| AL* | Connector |
| C* | Capacitor |
| DB* | Rectifier bridge |
| DC* | Connector |
| DP* | Connector |
| E* | Connector |
| FU1 | Fuse T 6.3 A 250 V |
| FU1, FU2 | Fuse T 3.15 A 250 V |
| FU3 | Fuse T 30 A 250 V |
| H* | Connector |
| IPM* | Intelligent power module |
| L | Connector |
| LED A | Pilot lamp |
| L* | Connector |
| MIC | Compressor motor |
| MIF | Fan motor |
| MR* | Magnetic relay |
| N | Connector |
| PCB1 | Printed circuit board (main) |
| PS | Switching power supply |
| QIL | Thermal protector |
| QIDI # | Earth leakage circuit breaker |
| Q* | Insulated gate bipolar transistor (IGBT) |
| RIT | Thermistor (air) |
| RZT | Thermistor (heat exchanger) |
| R3T | Thermistor (discharge) |
| RTH2 | Resistor |
| S | Connector |
| S1PH | High pressure switch |
| S2~80 | Connector |
| SA1 | Surge arrester |
| SHM | Terminal strip fixed plate |
| U, V, W | Connector |
| V3, V4, V401 | Varistor |
| X*A | Connector |
| X*M | Terminal strip |
| YIE | Electronic expansion valve |
| YIS | Solenoid valve (4-way valve) |
| Z*C | Noise filter |
| Z*F | Noise filter |



(2) Notes

- 1. When operating, do not short-circuit protection device(s) S1PH and QIL.
- 2. Refer to the combination table and the option manual for how to connect the wiring to X6A, X28A and X77A.
- 3. Colors: BLK:black; RED:red; BLU:blue; WHT:white; GRN:green; TLW:yellow

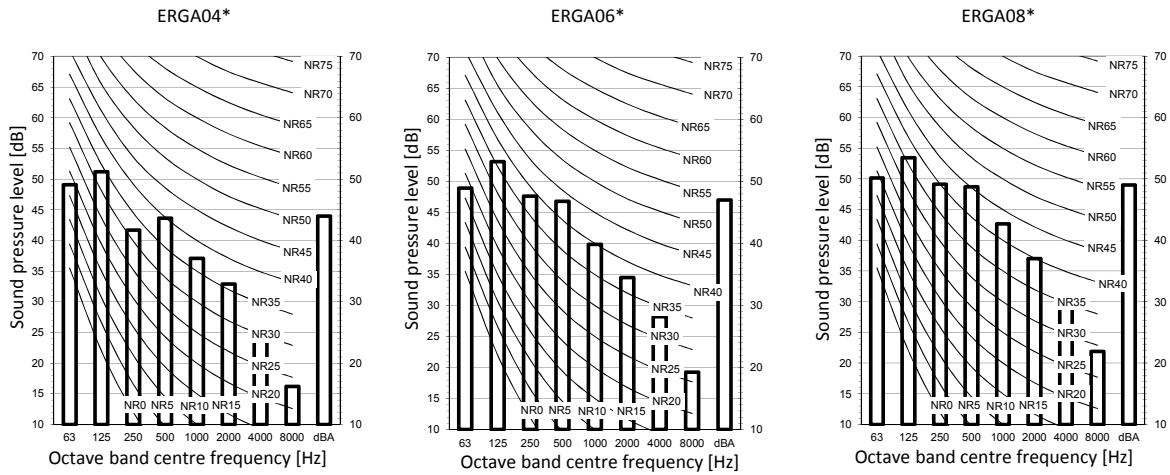
Option : : Wiring depending on model
 Connection : : Main terminal
 X1M : : Earth wiring
 : : Field supply
 : : switch box
 : : PCB
 : : Protective earth
 : : Field wire

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10 Sound data

10 - 1 Sound Pressure Spectrum

ERGA04-08EV
ERGA04-08EVA Heating



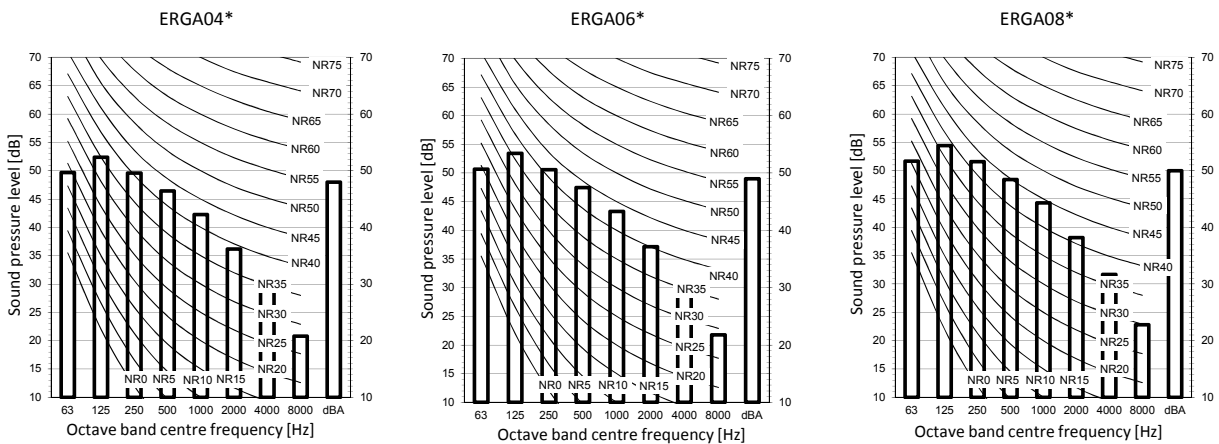
Notes

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

ERGA04-08EV
ERGA04-08EVA Cooling



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)

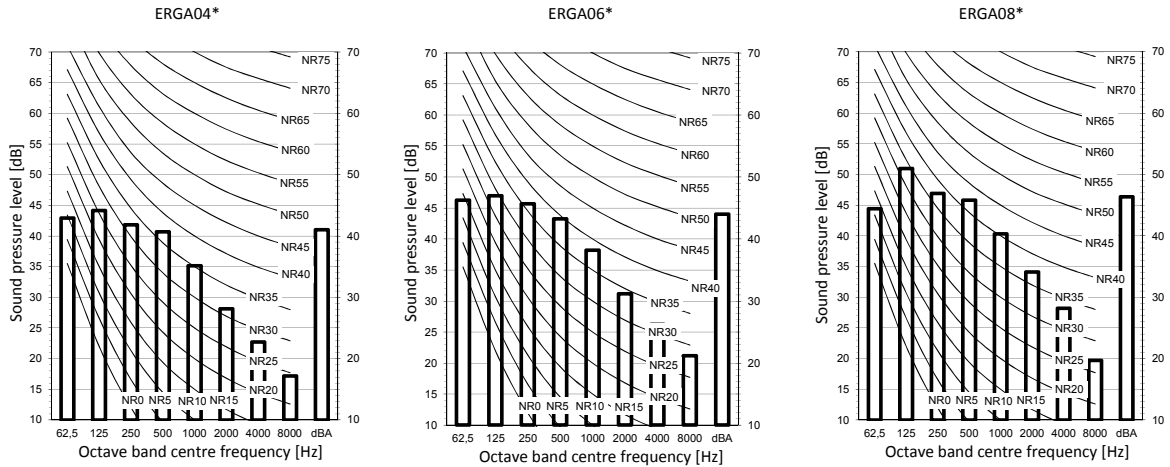
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10 Sound data

10 - 1 Sound Pressure Spectrum

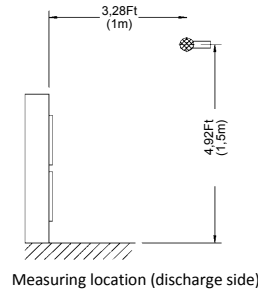
10

ERGA04-08EV
ERGA04-08EVA Heating more quiet mode



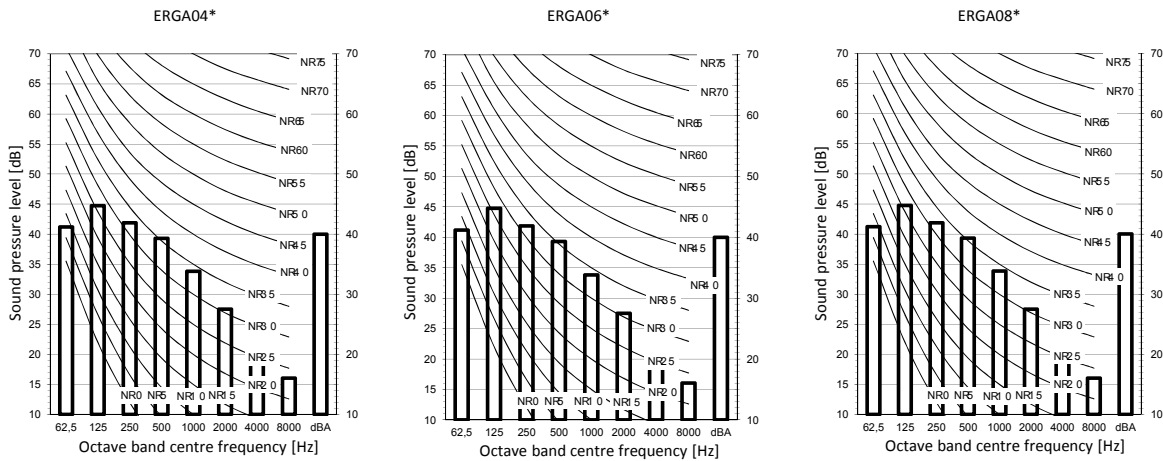
Notes

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.



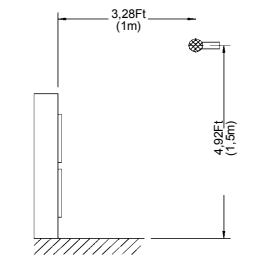
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ERGA04-08EV
ERGA04-08EVA Heating most quiet mode



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.

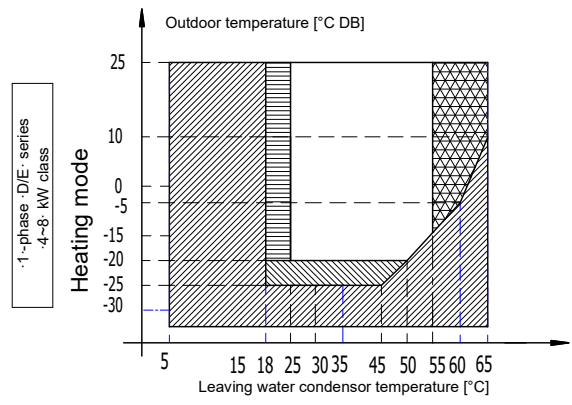
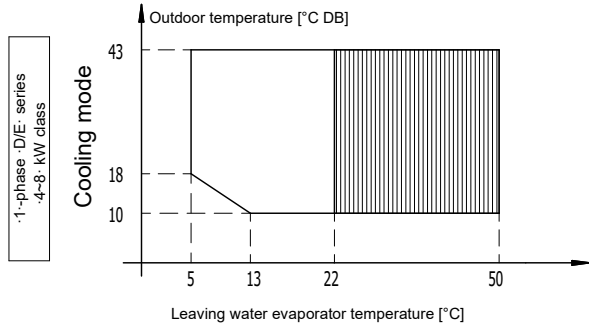


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11 Operation range

11 - 1 Operation Range

ERGA04-08EVA



- Legend**
- Backup heater only operation
No outdoor unit operation
 - Outdoor unit operation if setpoint \geq 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 $\Delta T = -10^\circ\text{C}$ ($\Delta T = \text{outlet temperature} - \text{inlet temperature}$)
- Indoor**
- D/E(A/F/J) series Standard

Remark

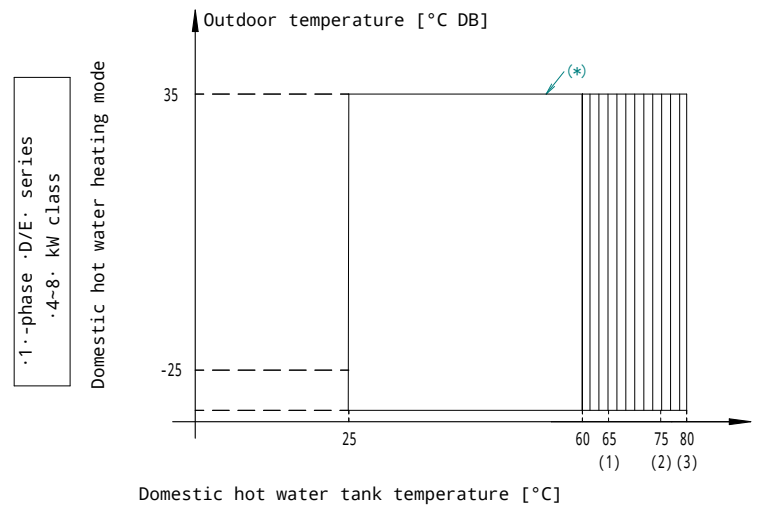
In restricted power supply mode, the outdoor unit, booster heater and backup heater can only operate separately.

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, ...

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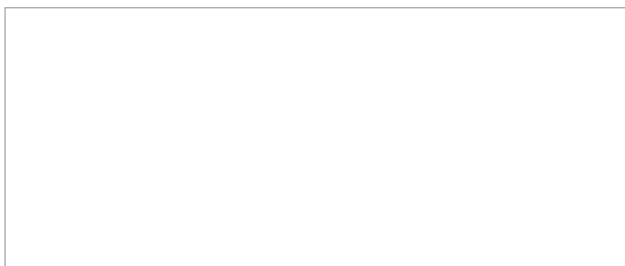


- Legend**
- Booster heater only operation (if a booster heater is part of the system)
 - (1) ·EHVH*S*CBV· indoor units only
 - (2) Combination of ·EKHWS(P)1*DA*· and ·EHB*D/E(A/F)V*· indoor units
 - (3) Combination of ·EKHWS(P)2/3*DA*· and ·EHB*D/E(A/F)V*· indoor units
- (*) System operation: the system 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 \leq -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.

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08/2023



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