



Daikin Altherma low
temperature split
Technical data book
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
- › W-LAN Adapter connection

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Guaranteed operation down to -25°C



Daikin Residential Controller



Online controller

2 Specifications

1 - 1 ERGA04-08EVA

| 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 | | | |
| | 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 | | | |
| | LW(A) Sound power level | Water-to-water heat pump | | | No | | | |
| 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 | | | | |
| | Psup | | kW | 6.0 | | | | |
| | Integrated supplementary heater | Type of energy input | | | Electrical | | | |
| | | | | | | | | |
| Domestic hot water heating | Average climate | η _{wh} (water heating efficiency) | % | - | | | | |
| | Cold climate | η _{wh} (water heating efficiency) | % | - | | | | |
| | Warm climate | η _{wh} (water heating efficiency) | % | - | | | | |
| 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 | | |
| | | Prated at -10°C | | kW | 6.0 | 7.0 | 7.5 | |
| | | Q _{he} 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 heating) | | | 1.0 | | | |
| | | (-7°CDB/-8°CWB) | | COPd | 1.97 | 1.98 | | |
| | | Pdh | kW | 5.3 | 5.9 | | | |

2 Specifications

1 - 1 ERGA04-08EVA

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| Technical specifications | | | | EHBH04E6V + ERGA04EVA | EHBH08E6V + ERGA06EVA | EHBH08E6V + ERGA08EVA | |
|--|-----------------------------------|--|---------------------------|--------------------------|--------------------------|--------------------------|-------|
| Space heating Average climate water outlet 55°C | A Condition (-7°CDB/-8°CWB) | PERd | % | 79 | | | |
| | | B Condition (2°CDB/1°CWB) | 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 | 126 | 127 | |
| | | Cdh (Degradation heating) | | 1.0 | | | |
| | D Condition (12°CDB/11°CWB) | COPd | | 4.40 | 4.49 | 4.54 | |
| | | Pdh | kW | | 3.0 | | |
| | | PERd | % | 176 | 180 | 182 | |
| | Tol (temperature operating limit) | Cdh (Degradation heating) | COPd | | 1.0 | | |
| | | | COPd | | 6.10 | | 6.16 |
| | | | Pdh | kW | 3.3 | | 3.7 |
| | | PERd | % | 244 | | 246 | |
| | | Rated heat output | COPd | | 1.37 | | 1.43 |
| | Pdh | | kW | 4.0 | | 4.5 | |
| | PERd | | % | 55 | | 57 | |
| | Tbiv (bivalent temperature) | TOL | °C | -10 | | | |
| | | WTOL | °C | 55 | | | |
| | | 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 | |
| | Cold climate water outlet 55°C | General | PERd | % | 79 | 85 | 87 |
| | | | Tbiv | °C | -7 | | -6 |
| | | General | Annual energy consumption | kWh | 4,468 | 5,325 | 7,066 |
| ηs (Seasonal space heating efficiency) | | | % | 107 | 108 | 109 | |
| Warm climate water outlet 55°C | General | Prated at -22°C | kW | 5.0 | 6.0 | 8.0 | |
| | | Annual energy consumption | kWh | 1,660 | 1,858 | 1,983 | |
| | General | ηs (Seasonal space heating efficiency) | % | 148 | 158 | 159 | |
| Average climate water outlet 35°C | General | Prated at 2°C | kW | 4.7 | 5.6 | 6.0 | |
| | | Annual energy consumption | kWh | 2,766 | 3,233 | 3,625 | |
| | General | ηs (Seasonal space heating efficiency) | % | 176 | | | |
| | | Prated at -10°C | kW | 6.0 | 7.0 | 8.0 | |
| | General | 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/-8°CWB) | COPd | | 2.90 | 2.86 | 2.77 | | |
| | | Pdh | kW | 5.5 | 6.0 | 7.0 | |

2 Specifications

1 - 1 ERGA04-08EVA

| Technical specifications | | | | EHBH04E6V + ERGA04EVA | EHBH08E6V + ERGA06EVA | EHBH08E6V + ERGA08EVA | | |
|--------------------------------|-----------------------------------|-----------------------------------|--|--|-------------------------------|-----------------------|-------|-------|
| Space heating | Average climate water outlet 35°C | A Condition (-7°CDB/-8°CWB) | PERd | % | 116 | 114 | 111 | |
| | | | 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) | PERd | % | 173 | 170 | 174 | |
| | | | Cdh (Degradation heating) | | | 1.0 | | |
| | | | COPd | | 6.19 | 6.30 | 6.49 | |
| | | D Condition (12°CDB/11°CWB) | Pdh | kW | | 3.2 | 3.3 | |
| | | | PERd | % | 248 | 252 | 260 | |
| | | | Cdh (Degradation heating) | | | 1.0 | | |
| | | Tol (temperature operating limit) | | | COPd | | 7.78 | 8.52 |
| | | | | | Pdh | kW | 3.3 | 3.9 |
| | PERd | | | | % | 311 | 341 | |
| | TOL | | | | °C | | -10 | |
| | WTOL | | | | °C | | 35 | |
| | Tbiv (bivalent temperature) | | | COPd | | 2.90 | 3.07 | |
| | | | | Pdh | kW | 5.5 | 6.1 | |
| | | | | PERd | % | 116 | 123 | |
| | | | | Tbiv | °C | -7 | -6 | |
| | Rated heat output | Psup (at Tdesign -10°C) | | 1.0 | | | | |
| | | | | General | Annual energy consumption kWh | 3,230 | 3,749 | 5,052 |
| | Cold climate water outlet 35°C | | | ηs (Seasonal space heating efficiency) | % | 150 | 155 | 153 |
| | | | | Prated at -22°C | kW | 5.0 | 6.0 | 8.0 |
| | | | | General | Annual energy consumption kWh | 1,139 | 1,276 | 1,437 |
| Warm climate water outlet 35°C | | | 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 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) |
| 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 | 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

1 - 1 ERGA04-08EVA

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| Technical specifications | | | | EHBH08E9W + ERGA06EVA | EHBH08E9W + 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 | | | | |
| Domestic hot water heating | Average climate | η _{wh} (water heating efficiency) | % | - | | |
| | Cold climate | η _{wh} (water heating efficiency) | % | - | | |
| | Warm climate | η _{wh} (water heating efficiency) | % | - | | |
| Space heating water outlet 55°C | Average climate | 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 | | | |

2 Specifications

1 - 1 ERGA04-08EVA

| Technical specifications | | | EHBH08E9W + ERGA06EVA | | EHBH08E9W + ERGA08EVA | | |
|---|--|--|-------------------------------|-------|-----------------------|-------|------|
| Space heating Average climate water outlet 55°C Cold climate water outlet 55°C Warm climate water outlet 55°C Average climate water outlet 35°C | A Condition (-7°CDB/-8°CWB) | 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 Tbiv (bivalent temperature) | Psup (at Tdesign -10°C) kW | | 2.5 | | 3.0 | |
| | | 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/-8°CWB) | COPd | | 2.86 | | 2.77 | | |
| | | Pdh kW | 6.0 | | 7.0 | | |

2 Specifications

1 - 1 ERGA04-08EVA

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| Technical specifications | | | | EHBH08E9W + ERGA06EVA | | EHBH08E9W + ERGA08EVA | |
|--|-----------------------------------|--|---------------------------|-----------------------|-------|-----------------------|-------|
| Space heating Average climate water outlet 35°C | A Condition (-7°CDB/-8°CWB) | 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 | | 2.66 | |
| | | Pdh | kW | 6.1 | | 7.5 | |
| PERd | | % | 123 | | 106 | | |
| Tbiv | | °C | -6 | | -8 | | |
| Rated heat output | 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. | | 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 | 0.850 (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) | | |
| 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 | | | No | | | | | |
| | | Low-temperature heat pump | | | No | | | | | |
| | | Supplementary heater integrated | | | Yes | | | | | |
| Water-to-water heat pump | | | No | | | | | | | |
| LW(A) Sound power level | 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 | | | | | | |

2 Specifications

1 - 1 ERGA04-08EVA

| 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 | | | |
| | Integrated supplementary heater | 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 | | | |
| | | Psup | kW | | 6.0 | | | |
| | Type of energy input | | | Electrical | | | | |
| Domestic hot water heating | Average climate | η _{wh} (water heating efficiency) | % | - | - | - | | |
| | Cold climate | η _{wh} (water heating efficiency) | % | - | - | - | | |
| | Warm climate | η _{wh} (water heating efficiency) | % | - | - | - | | |
| Space heating water outlet 55°C | Average climate | 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 | | |
| Space heating water outlet 55°C | Average climate | General | 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 | |
| | | | PERd | % | | 79 | | |
| | | 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 | |
| | | | PERd | % | 129 | 126 | 127 | |
| | | C Condition (7°CDB/6°CWB) | Cdh (Degradation heating) | | | 1.0 | | |
| | | | COPd | | 4.40 | 4.49 | 4.54 | |
| | | | Pdh | kW | | 3.0 | | |
| | | | PERd | % | 176 | 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 | |
| | | Rated heat output | Tol (temperature operating limit) | COPd | | 1.37 | | 1.43 |
| | | | | Pdh | kW | 4.0 | | 4.5 |
| PERd | % | | | 55 | | 57 | | |
| TOL | °C | | | | -10 | | | |
| WTOL | °C | | | | 55 | | | |
| Cold climate water outlet 55°C | General | 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 | | |
| Warm climate water outlet 55°C | General | Annual energy consumption | kWh | 4,446 | 5,303 | 7,044 | | |
| | | η _s (Seasonal space heating efficiency) | % | 108 | | 109 | | |
| | | Prated at -22°C | kW | 5.0 | 6.0 | 8.0 | | |
| Average climate water outlet 35°C | General | Annual energy consumption | kWh | 1,616 | 1,813 | 1,939 | | |
| | | η _s (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 | | |
| | | η _s (Seasonal space heating efficiency) | % | 179 | 178 | 181 | | |
| | | Prated at -10°C | kW | 6.0 | 7.0 | 8.0 | | |

2 Specifications

1 - 1 ERGA04-08EVA

2

| Technical specifications | | | | EHBX04E6V + ERGA04EVA | EHBX08E6V + ERGA06EVA | EHBX08E6V + ERGA08EVA | |
|--|---------|--|---------------------------|--------------------------|--------------------------|--------------------------|------|
| Space heating Average climate water outlet 35°C | General | 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 COPd | | 2.90 | 2.86 | 2.77 | |
| | | Condition (-7°CDB/-8°CWB) | Pdh | kW | 5.5 | 6.0 | 7.0 |
| | | | PERd | % | 116 | 114 | 111 |
| | | 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) | Cdh (Degradation heating) | | | 1.0 | |
| | | | COPd | | | 7.78 | 8.52 |
| | | | Pdh | kW | | 3.3 | 3.9 |
| | | Tol (temperature operating limit) | COPd | | 2.56 | 2.49 | 2.41 |
| | | | Pdh | kW | 5.2 | 6.0 | 6.9 |
| | | | PERd | % | 102 | 100 | 96 |
| | | | TOL | °C | | -10 | |
| | | Tbiv (bivalent temperature) | COPd | | 2.90 | 3.07 | 2.66 |
| | | | Pdh | kW | 5.5 | 6.1 | 7.5 |
| | | | PERd | % | 116 | 123 | 106 |
| | | Rated heat output | Tbiv | | -7 | -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 | Indoor | | dB(A) | 42 | |
| LW(A) Sound power level (according to EN14825) | Outdoor | | dB(A) | 60 | 62 |

2 Specifications

1 - 1 ERGA04-08EVA

| Technical specifications | | | | EHBX08E9W + ERGA06EVA | | EHBX08E9W + ERGA08EVA | | |
|--|-----------------------------------|--|--|--|-------|-----------------------|-------|--|
| 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 | | | | |
| | Integrated supplementary heater | Psup | kW | 9.0 | | | | |
| Type of energy input | | Electrical | | | | | | |
| Domestic hot water heating | Average climate | η _{wh} (water heating efficiency) | % | - | | | | |
| | Cold climate | η _{wh} (water heating efficiency) | % | - | | | | |
| | Warm climate | η _{wh} (water heating efficiency) | % | - | | | | |
| Space heating | Average climate water outlet 55°C | General | Annual energy consumption | kWh | 4,419 | | 4,694 | |
| | | | η _s (Seasonal space heating efficiency) | % | 128 | | 129 | |
| | | | Prated at -10°C | kW | 7.0 | | 7.5 | |
| | | | Q _{he} Annual energy consumption (GCV) | Gj | 15.9 | | 16.9 | |
| Space heating | Average climate water outlet 55°C | General | SCOP | | 3.27 | | 3.30 | |
| | | | 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 | | 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 | 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 | | |
| | | η _s (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 | | |
| | | η _s (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 | | |
| | | η _s (Seasonal space heating efficiency) | % | 178 | | 181 | | |
| | | Prated at -10°C | kW | 7.0 | | 8.0 | | |

2 Specifications

1 - 1 ERGA04-08EVA

2

| Technical specifications | | | | EHBX08E9W + ERGA06EVA | | EHBX08E9W + ERGA08EVA | | | |
|--------------------------------|-----------------------------------|--|-------------------------------------|---------------------------|-------|-----------------------|------|--|--|
| Space heating | Average climate water outlet 35°C | General | Qhe Annual energy consumption (GCV) | Gj | 11.5 | 12.9 | | | |
| | | | SCOP | | 4.52 | 4.61 | | | |
| | | | Seasonal space heating eff. class | | A+++ | | | | |
| | | | A COPd | | 2.86 | 2.77 | | | |
| | | | Condition (-7°CDB/-8°CWB) | Pdh | kW | 6.0 | 7.0 | | |
| | | | | PERd | % | 114 | 111 | | |
| | | | | Cdh (Degradation heating) | | 1.0 | | | |
| | | | B Condition (2°CDB/1°CWB) | 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 | | |
| | | | 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) | PERd | % | 311 | 341 | | |
| | | | | COPd | | 2.49 | 2.41 | | |
| | | | | Pdh | kW | 6.0 | 6.9 | | |
| | | | | PERd | % | 100 | 96 | | |
| Tbiv (bivalent temperature) | TOL | °C | | -10 | | | | | |
| | WTOL | °C | | 35 | | | | | |
| | COPd | | 3.07 | 2.66 | | | | | |
| | Pdh | kW | 6.1 | 7.5 | | | | | |
| Rated heat output | PERd | % | 123 | 106 | | | | | |
| | Tbiv | °C | -6 | -8 | | | | | |
| | Psup (at Tdesign -10°C) | kW | 1.0 | | | | | | |
| | Annual energy consumption | kWh | 3,727 | 5,030 | | | | | |
| Cold climate water outlet 35°C | General | ηs (Seasonal space heating efficiency) | % | 156 | 154 | | | | |
| | | Prated at -22°C | kW | 6.0 | 8.0 | | | | |
| | | Annual energy consumption | kWh | 1,231 | 1,393 | | | | |
| Warm climate water outlet 35°C | General | 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 | | | | 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 | 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 | Indoor | | dB(A) | 42 | | | | | | |
| LW(A) Sound power level (according to EN14825) | Outdoor | | dB(A) | 58 | | 60 | | 62 | | |

2 Specifications

1 - 1 ERGA04-08EVA

| Technical specifications | | | | EHVH04S18E6V + ERGA04EVA | EHVH04S23E6V + ERGA04EVA | EHVH08S18E6V + ERGA06EVA | EHVH08S23E6V + ERGA06EVA | EHVH08S18E6V + ERGA08EVA | EHVH08S23E6V + ERGA08EVA |
|--|---------------------------------|---|--|--|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| 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 | | | | | | |
| 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 | kW | 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 |
| Qelec (Daily electricity consumption) | | | kWh | 3.220 | 4.880 | 3.220 | 4.880 | 3.220 | 4.880 |

2 Specifications

1 - 1 ERGA04-08EVA

2

| Technical specifications | | | | EHVH04S18E6V + ERGA04EVA | EHVH04S23E6V + ERGA04EVA | EHVH08S18E6V + ERGA06EVA | EHVH08S23E6V + ERGA06EVA | EHVH08S18E6V + ERGA08EVA | EHVH08S23E6V + ERGA08EVA |
|--|-------------------------|--|---------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| 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 | 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 | Psup (at Tdesign -10°C) | kW | 2.0 | | 2.5 | | 3.0 | | |
| Tbiv (bivalent temperature) | COPd | 1.97 | | 2.12 | | | 2.18 | | |
| | Pdh | 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

1 - 1 ERGA04-08EVA

| 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 | 1,660 | | 1,858 | | 1,983 | | |
| | | | η_s (Seasonal space heating efficiency) | 148 | | 158 | | 159 | | |
| | | | Prated at 2°C | 4.7 | | 5.6 | | 6.0 | | |
| | | Average climate water outlet 35°C | General | Annual energy consumption | 2,766 | | 3,233 | | 3,625 | |
| | | | | η_s (Seasonal space heating efficiency) | 176 | | | | 179 | |
| | | | | Prated at -10°C | 6.0 | | 7.0 | | 8.0 | |
| | A | | Qhe Annual energy consumption (GCV) | 9.96 | | 11.6 | | 13.1 | | |
| | | | SCOP | 4.48 | | 4.47 | | 4.56 | | |
| | | | Seasonal space heating eff. class | | | A+++ | | | | |
| | B Condition (-7°CDB/-8°CWB) | Condition | COPd | 2.90 | | 2.86 | | 2.77 | | |
| | | | Pdh | 5.5 | | 6.0 | | 7.0 | | |
| | | | PERd | 116 | | 114 | | 111 | | |
| | | B Condition (2°CDB/1°CWB) | Cdh (Degradation heating) | | | 1.0 | | | | |
| | | | COPd | 4.33 | | 4.25 | | 4.35 | | |
| | | | Pdh | 3.3 | | 3.9 | | 4.2 | | |
| | C Condition (7°CDB/6°CWB) | Condition | PERd | 173 | | 170 | | 174 | | |
| | | | Cdh (Degradation heating) | | | 1.0 | | | | |
| | | | COPd | 6.19 | | 6.30 | | 6.49 | | |
| | | D Condition (12°CDB/11°CWB) | Pdh | | | 3.2 | | 3.3 | | |
| | | | PERd | 248 | | 252 | | 260 | | |
| | | | Cdh (Degradation heating) | | | 1.0 | | | | |
| | Tol (temperature operating limit) | Condition | COPd | 2.56 | | 2.49 | | 2.41 | | |
| | | | Pdh | 5.2 | | 6.0 | | 6.9 | | |
| | | | PERd | 102 | | 100 | | 96 | | |
| Tbiv (bivalent temperature) | | TOL | | | -10 | | | | | |
| | | WTOL | | | 35 | | | | | |
| | | COPd | 2.90 | | 3.07 | | 2.49 | | | |
| Rated heat output | Condition | Pdh | 5.5 | | 6.1 | | 6.0 | | | |
| | | PERd | 116 | | 123 | | 100 | | | |
| | | Tbiv | -7 | | -6 | | -8 | | | |
| | Cold climate water outlet 35°C | Psup (at Tdesign -10°C) | 0.8 | | | | 1.0 | | | |
| | | Annual energy consumption | 3,230 | | 3,749 | | 5,052 | | | |
| | | η_s (Seasonal space heating efficiency) | 150 | | 155 | | 153 | | | |
| Space heating | Warm climate water outlet 35°C | General | Prated at -22°C | 5.0 | | 6.0 | | 8.0 | | |
| | | | Annual energy consumption | 1,139 | | 1,276 | | 1,437 | | |
| | | | η_s (Seasonal space heating efficiency) | 241 | | 248 | | 257 | | |
| | | | Prated at 2°C | 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 | Nom. | kWh | 2.48 | | 3.01 | |
| Heat up time from 10°C to 50°C | | | hr | 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. | 17.2 (1) / 16.9 (2) | | 21.5 (1) / 22.4 (2) | |

2 Specifications

1 - 1 ERGA04-08EVA

2

| Technical specifications | | | EHVH08S18E9W + ERGA06EVA | EHVH08S23E9W + ERGA06EVA | EHVH08S18E9W + ERGA08EVA | EHVH08S23E9W + ERGA08EVA | |
|--|---|---|--|-----------------------------|-----------------------------|-----------------------------|-------|
| General | Supplier/ Manufacturer | 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 | 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 |
| | | ηwh (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 |
| | ηwh (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 | ηwh (water heating efficiency) | % | 151 | 161 | 151 |
| | | | Qelec (Daily electricity consumption) | kWh | 3.220 | 4.880 | 3.220 |

2 Specifications

1 - 1 ERGA04-08EVA

| 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 | | |
| | | 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/-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 | 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

1 - 1 ERGA04-08EVA

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 | | 3,625 | |
| | | | | | 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 | | | | |
| | C | Condition (7°CDB/6°CWB) | PERd % | 170 | | 174 | | | |
| | | | Cdh (Degradation heating) | 1.0 | | | | | |
| | | | COPd | 6.30 | | 6.49 | | | |
| | D | Condition (12°CDB/11°CWB) | Pdh kW | 3.3 | | 3.9 | | | |
| | | | PERd % | 311 | | 341 | | | |
| | | | COPd | 2.49 | | 2.41 | | | |
| | Tol (temperature operating limit) | | Pdh kW | 6.0 | | 6.9 | | | |
| | | | PERd % | 100 | | 96 | | | |
| | | | TOL °C | -10 | | | | | |
| Tbiv (bivalent temperature) | | WTOL °C | 35 | | | | | | |
| | | COPd | 3.07 | 2.49 | 2.66 | | | | |
| | | Pdh kW | 6.1 | 6.0 | 7.5 | | | | |
| Rated heat output | | PERd % | 123 | 100 | 106 | | | | |
| | | Tbiv °C | -6 | | -8 | | | | |
| | | 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 | | 1,437 | |
| | | | | | 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 | Nom. | kWh | 2.48 | |
| 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


1 - 1 ERGA04-08EVA

| Technical specifications | | | EHVX04S18E3V + ERGA04EVA | EHVX04S23E3V + ERGA04EVA | | |
|--|---------------------------------------|---|--|--------------------------|-------|-------|
| 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 | 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

1 - 1 ERGA04-08EVA

2

| 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 | Psup (at Tdesign -10°C) kW | 2.0 | | |
| Tbiv (bivalent temperature) | COPd | 1.97 | | |
| | Pdh kW | 5.3 | | |

2 Specifications

1 - 1 ERGA04-08EVA

| 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 | |
| | | | η_s (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 | |
| | | | η_s (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 | |
| | | | η_s (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 | COPd | | | | 2.90 |
| | | | (-7°CDB/-8°CWB) | Pdh | kW | | | 5.5 |
| | | | | PERd | % | | | 116 |
| | | | | B Condition | Cdh (Degradation heating) | | | |
| | (2°CDB/1°CWB) | COPd | | | | 4.33 | | |
| | | | Pdh | kW | | | 3.3 | |
| | | | PERd | % | | | 173 | |
| | | | C Condition | Cdh (Degradation heating) | | | | 1.0 |
| | (7°CDB/6°CWB) | COPd | | | | 6.19 | | |
| | | | Pdh | kW | | | 3.2 | |
| | | | PERd | % | | | 248 | |
| | | | D Condition | Cdh (Degradation heating) | | | | 1.0 |
| | (12°CDB/11°CWB) | COPd | | | | 7.78 | | |
| | | | Pdh | kW | | | 3.3 | |
| PERd | | | % | | | 311 | | |
| Tol (temperature operating limit) | | | COPd | | | | 2.56 | |
| Tbiv (bivalent temperature) | Pdh | | | | 5.2 | | | |
| | | PERd | % | | | 102 | | |
| | | TOL | °C | | | -10 | | |
| | | WTOL | °C | | | 35 | | |
| Tbiv (bivalent temperature) | COPd | | | | 2.90 | | | |
| | | Pdh | kW | | | 5.5 | | |
| | | PERd | % | | | 116 | | |
| Space heating | Average climate water outlet 35°C | Tbiv (bivalent temperature) | Tbiv | °C | | | -7 | |
| | | | Rated heat output | Psup (at Tdesign -10°C) | kW | | | 0.8 |
| Cold climate water outlet 35°C | General | Annual energy consumption | kWh | | | 3,208 | | |
| | | η_s (Seasonal space heating efficiency) | % | | | 151 | | |
| | | Prated at -22°C | kW | | | 5.0 | | |
| Warm climate water outlet 35°C | General | Annual energy consumption | kWh | | | 1,095 | | |
| | | η_s (Seasonal space heating efficiency) | % | | | 251 | | |
| | | Prated at 2°C | kW | | | 5.2 | | |

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

| Technical specifications | | | EHVX04S18E6V + 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

1 - 1 ERGA04-08EVA

2

| 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 | 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 | Indoor | | dB(A) | 42 | | | | | | |
| | Outdoor | | dB(A) | 58 | | 60 | | 62 | | |
| LW(A) Sound power level (according to EN14825) | | | | Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825 | | | | | | |
| 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 | | | | | |
| 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 | | kW | | | | | | |
| | | 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 |
| Domestic hot water heating | Average climate | Water heating energy efficiency class | | A+ | | | | | | |
| | | Cold climate | AEC (Annual electricity consumption) | | kWh | 951 | 1,475 | 951 | 1,475 | 951 |
| | 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 |
| | | 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 |

2 Specifications

1 - 1 ERGA04-08EVA

| 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 | | |
| | | 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 | | |
| | | | 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 | | | 3.16 | | 3.18 |
| | | | Pdh kW | | 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 kW | | | | | 3.0 | | |
| | | | PERd % | | 176 | | | 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 | | 1.37 | | | | 1.43 | |
| | | | Pdh kW | | 4.0 | | | | 4.5 | |
| | | | PERd % | | 55 | | | | 57 | |
| | | | TOL °C | | | | | -10 | | |
| | | | WTOL °C | | | | | 55 | | |
| Rated heat output | 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 | | |

2 Specifications

1 - 1 ERGA04-08EVA

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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 | 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 | Cdh (Degradation heating) | | | | 1.0 | | |
| (2°CDB/1°CWB) | | | COPd | | 4.33 | | 4.25 | | 4.35 | | |
| | | | Pdh | kW | 3.3 | | 3.9 | | 4.2 | | |
| | | | PERd | % | 173 | | 170 | | 174 | | |
| | | | C Condition | Cdh (Degradation heating) | | | | 1.0 | | | |
| (7°CDB/6°CWB) | | | COPd | | 6.19 | | 6.30 | | 6.49 | | |
| | | | Pdh | kW | | 3.2 | | 3.3 | | | |
| | | | PERd | % | 248 | | 252 | | 260 | | |
| | | | D Condition | Cdh (Degradation heating) | | | | 1.0 | | | |
| (12°CDB/11°CWB) | | | COPd | | | 7.78 | | 8.52 | | | |
| | | | Pdh | kW | | 3.3 | | 3.9 | | | |
| | | | PERd | % | | 311 | | 341 | | | |
| | | | Tol (temperature operating limit) | COPd | | 2.56 | | 2.49 | | 2.41 | |
| | | | Pdh | kW | | 5.2 | | 6.0 | | 6.9 | |
| Tbiv (bivalent temperature) | | | PERd | % | 102 | | 100 | | 96 | | |
| | | | TOL | °C | | | | -10 | | | |
| | | | WTOL | °C | | | | 35 | | | |
| | | | COPd | | 2.90 | | 3.07 | | 2.49 | | 2.66 |
| | | | Pdh | kW | 5.5 | | 6.1 | | 6.0 | | 7.5 |
| Space heating | Average climate water outlet 35°C | Tbiv (bivalent temperature) | Tbiv | °C | -7 | | -6 | | -8 | | |
| | | | Rated heat output | 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 | | | | 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

1 - 1 ERGA04-08EVA

| Technical specifications | | | | EHVX04S18E6VG + ERGA04EVA | EHVX04S23E6VG + ERGA04EVA | EHVX08S18E6VG + ERGA06EVA | EHVX08S23E6VG + ERGA06EVA | EHVX08S18E6VG + ERGA08EVA | EHVX08S23E6VG + 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 | 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 | Indoor | | dB(A) | 42 | | | | | | | |
| | Outdoor | | dB(A) | 58 | | 60 | | 62 | | | |
| LW(A) Sound power level (according to EN14825) | | | | Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825 | | | | | | | |
| 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 | | | | | | |
| 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 | | kW | | 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 |
| | | ηwh (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 |
| Domestic hot water heating | Average climate | Water heating energy efficiency class | | A+ | | | | | | | |
| | | Cold climate | AEC (Annual electricity consumption) | | kWh | | 951 | 1,475 | 951 | 1,475 | 951 |
| | ηwh (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 |
| | | ηwh (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 |

2 Specifications

1 - 1 ERGA04-08EVA

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| Technical specifications | | | | EHVX04S18E6VG + ERGA04EVA | EHVX04S23E6VG + ERGA04EVA | EHVX08S18E6VG + ERGA06EVA | EHVX08S23E6VG + ERGA06EVA | EHVX08S18E6VG + ERGA08EVA | EHVX08S23E6VG + ERGA08EVA |
|--|----------------------------|-----------------------------------|--|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| 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 | | | |
| | | | 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 | | 3.16 | | 3.18 | |
| | | | Pdh kW | 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 kW | | | 3.0 | | | |
| | | | PERd % | 176 | | 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 | 1.37 | | | | 1.43 | |
| | Pdh kW | 4.0 | | | | 4.5 | | | |
| | PERd % | 55 | | | | 57 | | | |
| | TOL °C | | | -10 | | | | | |
| | WTOL °C | | | 55 | | | | | |
| Rated heat output | 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 | | | |

2 Specifications

1 - 1 ERGA04-08EVA

| Technical specifications | | | | EHVX04S18E6VG + ERGA04EVA | EHVX04S23E6VG + ERGA04EVA | EHVX08S18E6VG + ERGA06EVA | EHVX08S23E6VG + ERGA06EVA | EHVX08S18E6VG + ERGA08EVA | EHVX08S23E6VG + 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 COPd | | 2.90 | | 2.86 | | 2.77 | |
| | | | Condition (-7°CDB/-8°CWB) | Pdh | kW | 5.5 | | 6.0 | | 7.0 |
| | | | | PERd | % | 116 | | 114 | | 111 |
| | | | | Cdh (Degradation heating) | | | | 1.0 | | |
| | B Condition (2°CDB/1°CWB) | COPd | | | 4.33 | | 4.25 | | 4.35 | |
| | | | Pdh | kW | 3.3 | | 3.9 | | 4.2 | |
| | | | PERd | % | 173 | | 170 | | 174 | |
| | | | Cdh (Degradation heating) | | | | 1.0 | | | |
| | C Condition (7°CDB/6°CWB) | COPd | | | 6.19 | | 6.30 | | 6.49 | |
| | | | Pdh | kW | | 3.2 | | 3.3 | | |
| PERd | | | % | 248 | | 252 | | 260 | | |
| Cdh (Degradation heating) | | | | | | 1.0 | | | | |
| D Condition (12°CDB/11°CWB) | COPd | | | | 7.78 | | 8.52 | | | |
| | | Pdh | kW | | 3.3 | | 3.9 | | | |
| | | PERd | % | | 311 | | 341 | | | |
| | | Cdh (Degradation heating) | | | | 1.0 | | | | |
| Tol (temperature operating limit) | COPd | | | 2.56 | | 2.49 | | 2.41 | | |
| | | Pdh | kW | 5.2 | | 6.0 | | 6.9 | | |
| | | PERd | % | 102 | | 100 | | 96 | | |
| | | TOL | °C | | | -10 | | | | |
| | | WTOL | °C | | | 35 | | | | |
| Tbiv (bivalent temperature) | COPd | | | 2.90 | | 3.07 | 2.49 | 2.66 | | |
| | | Pdh | kW | 5.5 | | 6.1 | 6.0 | 7.5 | | |
| | | PERd | % | 116 | | 123 | 100 | 106 | | |
| Space heating | Average climate water outlet 35°C | Tbiv (bivalent temperature) | Tbiv | °C | -7 | | -6 | | -8 | |
| | | | Rated heat output | 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 | | | | 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

1 - 1 ERGA04-08EVA

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| 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 | 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 | 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 | | | Yes | | | | |
| | Low-temperature heat pump | | | No | | | | |
| | Supplementary heater integrated | | | Yes | | | | |
| | Water-to-water heat pump | | | No | | | | |
| LW(A) Sound power level | Indoor | | dB(A) | | | 42 | | |
| | 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 | | |
| | | Other | Capacity control | | Inverter | | | |
| | Pck (Crankcase heater mode) | | 0.000 | | | | | |
| | Poff (Off mode) | | 0.010 | | | | | |
| | Psb (Standby mode) | | 0.010 | | | | | |
| | Pto (Thermostat off) | | 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 | | | | |
| | | Type of energy input | | Electrical | | | | |
| Domestic hot water heating | Average climate | AEC (Annual electricity consumption) | | kWh | 820 | 1,267 | 820 | 1,267 |
| | | ηwh (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 |
| | ηwh (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 |
| | | ηwh (water heating efficiency) | | % | 151 | 161 | 151 | 161 |
| | | Qelec (Daily electricity consumption) | | kWh | 3.220 | 4.880 | 3.220 | 4.880 |

2 Specifications

1 - 1 ERGA04-08EVA

| 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/-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 | 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

1 - 1 ERGA04-08EVA

2

| 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 | COPd | | 2.86 | |
| | Condition (-7°CDB/-8°CWB) | Pd | Pdh | kW | 6.0 | | 7.0 |
| | | | PERd | % | 114 | | 111 |
| | | | Cdh (Degradation heating) | | 1.0 | | |
| | B Condition (2°CDB/1°CWB) | Pd | COPd | | 4.25 | | 4.35 |
| | | | Pdh | kW | 3.9 | | 4.2 |
| | | | PERd | % | 170 | | 174 |
| | C Condition (7°CDB/6°CWB) | Pd | Cdh (Degradation heating) | | 1.0 | | |
| | | | COPd | | 6.30 | | 6.49 |
| | | | Pdh | kW | 3.2 | | 3.3 |
| | D Condition (12°CDB/11°CWB) | Pd | PERd | % | 252 | | 260 |
| | | | Cdh (Degradation heating) | | 1.0 | | |
| | | | COPd | | 7.78 | | 8.52 |
| Tol (temperature operating limit) | Pd | Pdh | kW | 3.3 | | 3.9 | |
| | | PERd | % | 311 | | 341 | |
| | | COPd | | 2.49 | | 2.41 | |
| | | Pdh | kW | 6.0 | | 6.9 | |
| | | PERd | % | 100 | | 96 | |
| Tbiv (bivalent temperature) | TOL | TOL | °C | -10 | | | |
| | | WTOL | °C | 35 | | | |
| Tbiv (bivalent temperature) | Pd | COPd | | 3.07 | 2.49 | 2.66 | |
| | | Pdh | kW | 6.1 | 6.0 | 7.5 | |
| Tbiv (bivalent temperature) | PERd | PERd | % | 123 | 100 | 106 | |
| | | Rated heat output | 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 | |
| Warm climate water outlet 35°C | Pd | 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 | | EHSH04P30D3 + ERGA04EVA | EHSH08P30D3 + ERGA06EVA | EHSH08P50D3 + ERGA06EVA | EHSH08P30D3 + ERGA08EVA | EHSH08P50D3 + ERGA08EVA |
|--------------------------|------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Indoor unit | | EHSH04P30DA3 | EHSH08P30DA3 | EHSH08P50DA3 | EHSH08P30DA3 | EHSH08P50DA3 |
| Outdoor unit | | ERGA04EAV3A | ERGA06EAV3A | | ERGA08EAV3A | |
| Heating capacity | Nom. | 4.30 (1) / 4.60 (2) | | 6.00 (1) / 5.90 (2) | | 7.50 (1) / 7.80 (2) |

2 Specifications

1 - 1 ERGA04-08EVA

| Technical specifications | | | | EHS04P30D3 + ERGA04EVA | EHS08P30D3 + ERGA06EVA | EHS08P50D3 + ERGA06EVA | EHS08P30D3 + ERGA08EVA | EHS08P50D3 + ERGA08EVA | | | |
|---------------------------------------|--|---|-------------------|---|--|---------------------------|---------------------------|---------------------------|-------------|------|--|
| 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 UPM3K 25-75 CHBL | | | | | | |
| | Nominal ESP unit | Heating | kPa | 66.0 (1) / 65.0 (2) | 57.4 (1) / 58.1 (2) | | 42.7 (1) / 38.7 (2) | | | | |
| 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 | | | | | | |
| | LW(A) Sound power level | Indoor | | dB(A) | 39 | | | | | | |
| | | Outdoor | | dB(A) | 58 | 60 | | 62 | | | |
| | LW(A) Sound power level (according to EN14825) | | | | 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) | | 0.000 | | | | | | | |
| | | Poff (Off mode) | | 0.010 | | | | | | | |
| | | Psb (Standby mode) | | 0.010 | | | | | | | |
| Pto (Thermostat off) | | 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 | Type of energy input | | Electrical | | | | | | | |
| Domestic hot water heating | Average climate | AEC (Annual electricity consumption) | kWh | 888 | 1,584 | | 888 1,584 | | | | |
| | | COPdhw | | 2.76 | 2.57 | | 2.76 2.57 | | | | |
| | | Heat up time | | 1h 23min | 2h 47min | | 1h 23min 2h 47min | | | | |
| | | Mixed water at 40°C | l | 137.0 | 237.0 | | 137.0 237.0 | | | | |
| | | ηwh (water heating efficiency) | % | 115 | 106 | | 115 106 | | | | |
| | | Qelec (Daily electricity consumption) | kWh | 4.219 | 7.426 | | 4.219 7.426 | | | | |
| | | Reference hot water temperature | °C | 44.5 | 45.2 | | 44.5 45.2 | | | | |
| | | Stand-by power input | W | 31.7 | 38.2 | | 31.7 38.2 | | | | |
| | | Domestic hot water heating | Cold climate | Water heating energy efficiency class | | A+ | | A | | A+ A | |
| | | | | AEC (Annual electricity consumption) | kWh | 1,024 | 1,992 | | 1,024 1,992 | | |
| COPdhw | | | | 2.41 | 2.05 | | 2.41 2.05 | | | | |
| Mixed water at 40°C | l | | | 137.0 | 237.0 | | 137.0 237.0 | | | | |
| ηwh (water heating efficiency) | % | | | 100 | 84 | | 100 84 | | | | |
| Warm climate | Qelec (Daily electricity consumption) | | kWh | 4.839 | 9.299 | | 4.839 9.299 | | | | |
| | Reference hot water temperature | | °C | 44.5 | 45.2 | | 44.5 45.2 | | | | |
| | AEC (Annual electricity consumption) | | kWh | 845 | 1,403 | | 845 1,403 | | | | |
| | COPdhw | | | 2.90 | 2.88 | | 2.90 2.88 | | | | |
| | Mixed water at 40°C | | l | 137.0 | 237.0 | | 137.0 237.0 | | | | |
| ηwh (water heating efficiency) | % | 121 | 119 | | 121 119 | | | | | | |
| Qelec (Daily electricity consumption) | kWh | 4.023 | 6.615 | | 4.023 6.615 | | | | | | |
| Reference hot water temperature | °C | 44.5 | 45.2 | | 44.5 45.2 | | | | | | |

2 Specifications

1 - 1 ERGA04-08EVA

2

| Technical specifications | | | | EHS04P30D3 + ERGA04EVA | EHS08P30D3 + ERGA06EVA | EHS08P50D3 + ERGA06EVA | EHS08P30D3 + ERGA08EVA | EHS08P50D3 + ERGA08EVA |
|--------------------------|-----------------------------------|-----------------------------------|--|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| 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 | 7 | | 8 | |
| | | | 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 | | | |
| | | | PERd % | 78.8 | 79.2 | | | |
| | | 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 | | |
| | | | PERd % | 129.2 | 126.4 | 127.2 | | |
| | | C Condition (7°CDB/6°CWB) | Cdh (Degradation heating) | 1.0 | | | | |
| | | | 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 | | |
| | | | PERd % | | 244.0 | 246.4 | | |
| | | Tol (temperature operating limit) | COPd | 1.37 | 1.43 | | | |
| | | | Pdh kW | 4.0 | 4.5 | | | |

2 Specifications

1 - 1 ERGA04-08EVA

| Technical specifications | | | | EHS04P30D3 + ERGA04EVA | EHS08P30D3 + ERGA06EVA | EHS08P50D3 + ERGA06EVA | EHS08P30D3 + ERGA08EVA | EHS08P50D3 + ERGA08EVA |
|-------------------------------------|-----------------------------------|--|--|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| Space heating | Average climate water outlet 55°C | Tol (temperature operating limit) | PERd % | 54.8 | 57.2 | | | |
| | | | TOL °C | | -10 | | | |
| | | | WTOL °C | | 55 | | | |
| | | Rated heat output | Psup (at Tdesign -10°C) | kW | 2.0 | 2.5 | 3.0 | |
| | Cold climate water outlet 55°C | General | 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 | | |
| | Warm 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 | 6 | 8 | | |
| Qhe Annual energy consumption (GCV) | | | Gj | 16 | 19 | 25 | | |
| Average climate water outlet 35°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 | 5 | 6 | | | |
| | | 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 | 7 | 8 | | |
| | | Qhe Annual energy consumption (GCV) | Gj | 10 | 12 | 13 | | |
| | | SCOP | | 4.48 | 4.47 | 4.56 | | |
| | A Condition (-7°CDB/-8°CWB) | 8 Condition (2°CDB/1°CWB) | Seasonal space heating eff. class | | A+++ | | | |
| | | | COPd | | 2.90 | 2.86 | 2.77 | |
| | | | 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) | D Condition (12°CDB/11°CWB) | COPd | | 4.33 | 4.25 | 4.35 | | |
| | | Pdh kW | | 3.3 | 3.9 | 4.2 | | |
| | | PERd % | | 173.2 | 170.0 | 174.0 | | |
| | | Cdh (Degradation heating) | | 1.0 | | | | |
| D Condition (12°CDB/11°CWB) | | COPd | | 6.19 | 6.30 | 6.49 | | |
| | | Pdh kW | | 3.2 | | 3.3 | | |
| | | PERd % | | 247.6 | 252.0 | 259.6 | | |
| | | Cdh (Degradation heating) | | 1.0 | | | | |
| D Condition (12°CDB/11°CWB) | | COPd | | 7.78 | | 8.52 | | |
| | | Pdh kW | | 3.3 | | 3.9 | | |
| | | PERd % | | 311.2 | | 340.8 | | |

2 Specifications

1 - 1 ERGA04-08EVA

2

| Technical specifications | | | | EHSB04P30D3 + ERGA04EVA | EHSB08P30D3 + ERGA06EVA | EHSB08P50D3 + ERGA06EVA | EHSB08P30D3 + ERGA08EVA | EHSB08P50D3 + ERGA08EVA | |
|--------------------------------|-----------------------------------|-----------------------------------|--|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------|
| Space heating | Average climate water outlet 35°C | Tol (temperature operating limit) | 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 | | |
| | Tbiv (bivalent temperature) | 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 | Psup (at Tdesign -10°C) | 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 | | 6 | | 8 |
| | | | Qhe Annual energy consumption (GCV) | Gj | 12 | | 13 | | 18 |
| 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 | | 6 | | 7 |
| | | | 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 | | | | EHSB04P30D3 + ERGA04EVA | EHSB08P30D3 + ERGA06EVA | EHSB08P50D3 + ERGA06EVA | EHSB08P30D3 + ERGA08EVA | EHSB08P50D3 + ERGA08EVA |
|--|-------------------------------------|---|---------------------|--|-------------------------|-------------------------|-------------------------|-------------------------|
| Indoor unit | | | | EHSB04P30DA3 | EHSB08P30DA3 | EHSB08P50DA3 | EHSB08P30DA3 | EHSB08P50DA3 |
| Outdoor unit | | | | ERGA04EAV3A | ERGA06EAV3A | ERGA06EAV3A | ERGA08EAV3A | ERGA08EAV3A |
| 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 UPM3K 25-75 CHBL | | | | | | |
| | Nominal ESP unit | Heating | kPa | 66.0 (1) / 65.0 (2) | 57.4 (1) / 58.1 (2) | | 42.7 (1) / 38.7 (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 | | | | | | |
| | 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: Yes | | | | | | |
| | | Low-temperature heat pump: No | | | | | | |
| | Supplementary heater integrated: No | | | | | | | |
| Water-to-water heat pump: No | | | | | | | | |
| LW(A) Sound power level | 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 | Type of energy input | | Electrical | | | | |

2 Specifications

1 - 1 ERGA04-08EVA

| Technical specifications | | | | EHSB04P30D3 + ERGA04EVA | EHSB08P30D3 + ERGA06EVA | EHSB08P50D3 + ERGA06EVA | EHSB08P30D3 + ERGA08EVA | EHSB08P50D3 + ERGA08EVA | |
|--|--|--|--------------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|-------|
| Domestic hot water heating | Average climate | AEC (Annual electricity consumption) | kWh | 888 | | 1,521 | 888 | 1,521 | |
| | | COPdhw | | 2.76 | | 2.66 | 2.76 | 2.66 | |
| | | Heat up time | | 1h 23min | | 2h 29min | 1h 23min | 2h 29min | |
| | | Mixed water at 40°C | l | 137.0 | | 211.0 | 137.0 | 211.0 | |
| | | η _{wh} (water heating efficiency) | % | 115 | | 110 | 115 | 110 | |
| | | Qelec (Daily electricity consumption) | kWh | 4.219 | | 7.156 | 4.219 | 7.156 | |
| | | Reference hot water temperature | °C | 44.5 | | 45.0 | 44.5 | 45.0 | |
| | | Stand-by power input | W | 31.7 | | 42.0 | 31.7 | 42.0 | |
| Domestic hot water heating | Average climate | Water heating energy efficiency class | | A+ | | A | A+ | A | |
| | | Cold climate | AEC (Annual electricity consumption) | kWh | 1,024 | | 1,862 | 1,024 | 1,862 |
| | COPdhw | | | 2.41 | | 2.19 | 2.41 | 2.19 | |
| | Mixed water at 40°C | | l | 137.0 | | 211.0 | 137.0 | 211.0 | |
| | η _{wh} (water heating efficiency) | | % | 100 | | 90 | 100 | 90 | |
| | Qelec (Daily electricity consumption) | | kWh | 4.839 | | 8.713 | 4.839 | 8.713 | |
| | Reference hot water temperature | | °C | 44.5 | | 45.0 | 44.5 | 45.0 | |
| | Warm climate | | AEC (Annual electricity consumption) | kWh | 845 | | 1,343 | 845 | 1,343 |
| | | | COPdhw | | 2.90 | | 3.00 | 2.90 | 3.00 |
| | | Mixed water at 40°C | l | 137.0 | | 211.0 | 137.0 | 211.0 | |
| | | η _{wh} (water heating efficiency) | % | 121 | | 125 | 121 | 125 | |
| | | Qelec (Daily electricity consumption) | kWh | 4.023 | | 6.346 | 4.023 | 6.346 | |
| | | Reference hot water temperature | °C | 44.5 | | 45.0 | 44.5 | 45.0 | |
| | 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 | 7 | 8 | | | |
| 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/-8°CWB) | | | Cdh (Degradation heating) | | | 1.0 | | | |
| | | | COPd | | 1.97 | 1.98 | | | |
| | | | Pdh | kW | 5.3 | 5.9 | | | |
| | | | PERd | % | 78.8 | 79.2 | | | |
| B Condition (2°CDB/1°CWB) | | | Cdh (Degradation heating) | | | 1.0 | | | |
| | | | COPd | | 3.23 | 3.16 | | | |
| | | | Pdh | kW | 3.3 | 3.9 | | | |
| | | | PERd | % | 129.2 | 126.4 | | | |
| C Condition (7°CDB/6°CWB) | | | Cdh (Degradation heating) | | | 1.0 | | | |
| | | | COPd | | 4.40 | 4.49 | | | |
| | | | Pdh | kW | | 3.0 | | | |
| | | | PERd | % | 176.0 | 179.6 | | | |
| D Condition (12°CDB/11°CWB) | | | Cdh (Degradation heating) | | | 1.0 | | | |
| | | | COPd | | | 6.10 | | | |
| | | | Pdh | kW | | 3.3 | | | |
| | | | PERd | % | | 244.0 | | | |
| Tol (temperature operating limit) | | | COPd | | 1.37 | 1.43 | | | |
| | Pdh | kW | 4.0 | 4.5 | | | | | |

2 Specifications

1 - 1 ERGA04-08EVA

| Technical specifications | | | | EHSB04P30D3 + ERGA04EVA | EHSB08P30D3 + ERGA06EVA | EHSB08P50D3 + ERGA06EVA | EHSB08P30D3 + ERGA08EVA | EHSB08P50D3 + ERGA08EVA |
|-------------------------------------|-----------------------------------|--|--|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Space heating | Average climate water outlet 55°C | Tol (temperature operating limit) | PERd % | 54.8 | 57.2 | | | |
| | | | TOL °C | | -10 | | | |
| | | | WTOL °C | | 55 | | | |
| | | Rated heat output 55°C | 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 % | | 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 | 6 | | 8 | |
| 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 | 5 | | 6 | | |
| | | 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 | 7 | | 8 | |
| | | 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 | |
| | | 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 | |
| | | PERd % | | 173.2 | 170.0 | | 174.0 | |
| | C Condition (7°CDB/6°CWB) | Cdh (Degradation heating) | | | 1.0 | | | |
| | | 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 | | | |
| | | COPd | | | 7.78 | | 8.52 | |
| | | Pdh kW | | | 3.3 | | 3.9 | |
| | | PERd % | | | 311.2 | | 340.8 | |

2 Specifications

1 - 1 ERGA04-08EVA

| Technical specifications | | | | EHSXB04P30D3 + ERGA04EVA | EHSXB08P30D3 + ERGA06EVA | EHSXB08P50D3 + ERGA06EVA | EHSXB08P30D3 + ERGA08EVA | EHSXB08P50D3 + ERGA08EVA | |
|--------------------------------|-----------------------------------|--|-------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------|
| Space heating | Average climate water outlet 35°C | Tol (temperature operating limit) | 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 | | |
| | Tbiv (bivalent temperature) | | 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 | 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 | | 6 | | 8 | |
| | | Qhe Annual energy consumption (GCV) | Gj | 12 | | 13 | | 18 | |
| 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 | | 6 | | 7 | |
| | | 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 | | | | EHSX04P30D3 + ERGA04EVA | EHSX04P50D3 + ERGA04EVA | EHSX08P30D3 + ERGA06EVA | EHSX08P50D3 + ERGA06EVA | EHSX08P30D3 + ERGA08EVA | EHSX08P50D3 + ERGA08EVA | |
|--|-------------------------------|---|---------------------|--|---|----------------------------|----------------------------|----------------------------|----------------------------|---------------------|
| Indoor unit | | | | EHSX04P30DA3 | EHSX04P50DA3 | EHSX08P30DA3 | EHSX08P50DA3 | EHSX08P30DA3 | EHSX08P50DA3 | |
| Outdoor unit | | | | ERGA04EAV3A | | ERGA06EAV3A | | ERGA08EAV3A | | |
| 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) | |
| 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 UPM3K 25-75 CHBL | | | - | | | | | |
| | Nominal ESP unit | Cooling | kPa | 64.1 (1) / 65.3 (2) | | 57.6 (1) / 63.0 (2) | | 55.5 (1) / 61.1 (2) | | |
| Heating | | kPa | | | 66.0 (1) / 65.0 (2) | | 57.4 (1) / 58.1 (2) | | 42.7 (1) / 38.7 (2) | |
| | Water side Heat exchanger | Water flow rate | Nom. | Cooling | l/min | 13.9 (1) / 13.0 (2) | | 17.1 (1) / 14.6 (2) | | 17.9 (1) / 15.6 (2) |
| Heating | | | | 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 | | | | | |
| LW(A) Sound power level | Indoor | dB(A) | | | 39 | | | | | |
| | | 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) | | | 0.000 | | | | | | |
| | Poff (Off mode) | | | 0.010 | | | | | | |
| | Psb (Standby mode) | | | 0.010 | | | | | | |
| | Pto (Thermostat off) | | | 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 | Type of energy input | | | Electrical | | | | | |

2 Specifications

1 - 1 ERGA04-08EVA

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| Technical specifications | | | | EHSX04P30D3 + ERGA04EVA | EHSX04P50D3 + ERGA04EVA | EHSX08P30D3 + ERGA06EVA | EHSX08P50D3 + ERGA06EVA | EHSX08P30D3 + ERGA08EVA | EHSX08P50D3 + ERGA08EVA | | |
|-----------------------------|---------------------------------------|--|--|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|-------|--|
| Domestic hot water heating | Average climate | AEC (Annual electricity consumption) | kWh | 888 | 1,584 | 888 | 1,584 | 888 | 1,584 | | |
| | | COPdhw | | 2.76 | 2.57 | 2.76 | 2.57 | 2.76 | 2.57 | | |
| | | Heat up time | | 1h 23min | 2h 47min | 1h 23min | 2h 47min | 1h 23min | 2h 47min | | |
| Domestic hot water heating | Average climate | Mixed water at 40°C | l | 137.0 | 237.0 | 137.0 | 237.0 | 137.0 | 237.0 | | |
| | | η _{wh} (water heating efficiency) | % | 115 | 106 | 115 | 106 | 115 | 106 | | |
| | | Qelec (Daily electricity consumption) | kWh | 4.219 | 7.426 | 4.219 | 7.426 | 4.219 | 7.426 | | |
| | | Reference hot water temperature | °C | 44.5 | 45.2 | 44.5 | 45.2 | 44.5 | 45.2 | | |
| | | Stand-by power input | W | 31.7 | 38.2 | 31.7 | 38.2 | 31.7 | 38.2 | | |
| | | Water heating energy efficiency class | | A+ | A | A+ | A | A+ | A | | |
| | | | | | | | | | | | |
| Cold climate | Average climate | AEC (Annual electricity consumption) | kWh | 1,024 | 1,992 | 1,024 | 1,992 | 1,024 | 1,992 | | |
| | | COPdhw | | 2.41 | 2.05 | 2.41 | 2.05 | 2.41 | 2.05 | | |
| | | Mixed water at 40°C | l | 137.0 | 237.0 | 137.0 | 237.0 | 137.0 | 237.0 | | |
| | | η _{wh} (water heating efficiency) | % | 100 | 84 | 100 | 84 | 100 | 84 | | |
| | | Qelec (Daily electricity consumption) | kWh | 4.839 | 9.299 | 4.839 | 9.299 | 4.839 | 9.299 | | |
| | | Reference hot water temperature | °C | 44.5 | 45.2 | 44.5 | 45.2 | 44.5 | 45.2 | | |
| Warm climate | Average climate | AEC (Annual electricity consumption) | kWh | 845 | 1,403 | 845 | 1,403 | 845 | 1,403 | | |
| | | COPdhw | | 2.90 | 2.88 | 2.90 | 2.88 | 2.90 | 2.88 | | |
| | | Mixed water at 40°C | l | 137.0 | 237.0 | 137.0 | 237.0 | 137.0 | 237.0 | | |
| | | η _{wh} (water heating efficiency) | % | 121 | 119 | 121 | 119 | 121 | 119 | | |
| | | Qelec (Daily electricity consumption) | kWh | 4.023 | 6.615 | 4.023 | 6.615 | 4.023 | 6.615 | | |
| | | Reference hot water temperature | °C | 44.5 | 45.2 | 44.5 | 45.2 | 44.5 | 45.2 | | |
| 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 | | 7 | | 8 | | |
| | | | 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) | Cd _h (Degradation heating) | | | | | 1.0 | | | |
| | | | | COP _d | | 1.97 | | | | 1.98 | |
| | | | | Pd _h | kW | 5.3 | | | | 5.9 | |
| | | | | PER _d | % | 78.8 | | | | 79.2 | |
| | | B Condition (2°CDB/1°CWB) | Cd _h (Degradation heating) | | | | | 1.0 | | | |
| | | | | COP _d | | 3.23 | | 3.16 | | 3.18 | |
| | | | | Pd _h | kW | 3.3 | | 3.9 | | 4.1 | |
| | | | | PER _d | % | 129.2 | | 126.4 | | 127.2 | |
| | | C Condition (7°CDB/6°CWB) | Cd _h (Degradation heating) | | | | | 1.0 | | | |
| COP _d | | | | 4.40 | | 4.49 | | 4.54 | | | |
| Pd _h | kW | | | | | 3.0 | | | | | |
| PER _d | % | | | 176.0 | | 179.6 | | 181.6 | | | |
| D Condition (12°CDB/11°CWB) | Cd _h (Degradation heating) | | | | | 1.0 | | | | | |

2 Specifications

1 - 1 ERGA04-08EVA

| Technical specifications | | | | EHSX04P30D3 + ERGA04EVA | EHSX04P50D3 + ERGA04EVA | EHSX08P30D3 + ERGA06EVA | EHSX08P50D3 + ERGA06EVA | EHSX08P30D3 + ERGA08EVA | EHSX08P50D3 + ERGA08EVA | |
|--|-----------------------------------|--|--|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|--|
| Space heating | Average climate water outlet 55°C | D Condition (12°CDB/11°CWB) | COPd | 6.10 | | | | | 6.16 | |
| | | | 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 | | | |
| | | | TOL °C | -10 | | | | | | |
| | | Rated heat output | WTOL °C | 55 | | | | | | |
| | | | Psup (at Tdesign -10°C) kW | 2.0 | | 2.5 | | 3.0 | | |
| | | Tbiv (bivalent temperature) | COPd | 1.97 | | | 2.12 | | | |
| | Pdh kW | | 5.3 | | | 6.1 | | | | |
| | PERd % | | 78.8 | | | 84.8 | | | | |
| | 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 | | 6 | | 8 | | |
| | | | 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 | 5 | | 6 | | 7 | | |
| 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 | | 7 | | 8 | | | |
| | | Qhe Annual energy consumption (GCV) GJ | 10 | | 12 | | 13 | | | |
| | | SCOP | 4.54 | | 4.52 | | 4.61 | | | |
| | A Condition (-7°CDB/-8°CWB) | Seasonal space heating eff. class | A+++ | | | | | | | |
| | | 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 | | | | | |
| PERd % | 173.2 | | 170.0 | | 174.0 | | | | | |
| C Condition (7°CDB/6°CWB) | Cdh (Degradation heating) | 1.0 | | | | | | | | |
| | COPd | 6.19 | | 6.30 | | 6.49 | | | | |
| | | Pdh kW | 3.2 | | 3.3 | | | | | |

2 Specifications

1 - 1 ERGA04-08EVA

2

| Technical specifications | | | | EHSX04P30D3 + ERGA04EVA | EHSX04P50D3 + ERGA04EVA | EHSX08P30D3 + ERGA06EVA | EHSX08P50D3 + ERGA06EVA | EHSX08P30D3 + ERGA08EVA | EHSX08P50D3 + ERGA08EVA | |
|--|--------------------------------------|--------------------------------------|---------------------------|--------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|-------|
| Space heating Average climate water outlet 35°C | C Condition (7°CDB/6°CWB) | PERd | % | 247.6 | | 252.0 | | 259.6 | | |
| | | | | D Condition (12°CDB/11°CWB) | Cdh (Degradation heating) | 1.0 | | | | |
| | COPd | 7.78 | | | | 8.52 | | | | |
| | | PdH | 3.3 | | 3.9 | | | | | |
| | PERd | | 311.2 | | 340.8 | | | | | |
| | | Tol (temperature operating limit) | COPd | 2.56 | | 2.49 | | 2.41 | | |
| | PdH | | | 5.2 | | 6.0 | | 6.9 | | |
| | | | PERd | 102.4 | | 99.6 | | 96.4 | | |
| | TOL | | | °C | | -10 | | | | |
| | | | WTOL | °C | | 35 | | | | |
| | Tbiv (bivalent temperature) | COPd | | 2.90 | | 3.07 | | 2.66 | | |
| | | | PdH | 5.5 | | 6.1 | | 7.5 | | |
| | | PERd | | 116.0 | | 122.8 | | 106.4 | | |
| | | | Tbiv | °C | | -7 | | -8 | | |
| Rated heat output | 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 | |
| ηs (Seasonal space heating efficiency) | % | | | | 151 | | 156 | | 154 | |
| | Prated at -22°C | | | kW | | 5 | | 6 | | 8 |
| 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 | | 6 | | 7 |
| Qhe Annual energy consumption (GCV) | | | | Gj | | 4 | | 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 | | | | EHSXB04P30D3 + ERGA04EVA | EHSXB04P50D3 + ERGA04EVA | EHSXB08P30D3 + ERGA06EVA | EHSXB08P50D3 + ERGA06EVA | EHSXB08P30D3 + ERGA08EVA | EHSXB08P50D3 + ERGA08EVA | | |
|---------------------------|--|---------------------------------|------------------|---|--|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------|--|
| Indoor unit | | | | EHSXB04P30DA3 | EHSXB04P50DA3 | EHSXB08P30DA3 | EHSXB08P50DA3 | EHSXB08P30DA3 | EHSXB08P50DA3 | | |
| Outdoor unit | | | | ERGA04EAV3A | | ERGA06EAV3A | | ERGA08EAV3A | | | |
| 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 UPM3K 25-75 CHBL | | | | | | | |
| | Nominal ESP unit | Cooling | kPa | 64.1 (1) / 65.3 (2) | | 57.6 (1) / 63.0 (2) | | 55.5 (1) / 61.1 (2) | | | |
| | | Heating | kPa | 66.0 (1) / 65.0 (2) | | 57.4 (1) / 58.1 (2) | | 42.7 (1) / 38.7 (2) | | | |
| 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 | | | | | | | |
| | | 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 | | | | | | | |
| | LW(A) Sound power level | Indoor | dB(A) | | 39 | | | | | | |
| Outdoor | | | dB(A) | | 58 | | 60 | | 62 | | |
| | LW(A) Sound power level (according to EN14825) | | | | 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) | | 0.000 | | | | | | | | |
| | Poff (Off mode) | | 0.010 | | | | | | | | |
| | Psb (Standby mode) | | 0.010 | | | | | | | | |
| | Pto (Thermostat off) | | 0.010 | | | | | | | | |

2 Specifications

1 - 1 ERGA04-08EVA

| Technical specifications | | | EHSXB04P30D3 + ERGA04EVA | EHSXB04P50D3 + ERGA04EVA | EHSXB08P30D3 + ERGA06EVA | EHSXB08P50D3 + ERGA06EVA | EHSXB08P30D3 + ERGA08EVA | EHSXB08P50D3 + 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 | Type of energy input | Electrical | | | | | | | | |
| Domestic hot water heating | Average climate | AEC (Annual electricity consumption) | kWh | 888 | 1,521 | 888 | 1,521 | 888 | 1,521 | | |
| | | COPdhw | | 2.76 | 2.66 | 2.76 | 2.66 | 2.76 | 2.66 | | |
| | | Heat up time | | 1h 23min | 2h 29min | 1h 23min | 2h 29min | 1h 23min | 2h 29min | | |
| Domestic hot water heating | Average climate | Mixed water at 40°C | l | 137.0 | 211.0 | 137.0 | 211.0 | 137.0 | 211.0 | | |
| | | η _{wh} (water heating efficiency) | % | 115 | 110 | 115 | 110 | 115 | 110 | | |
| | | Qelec (Daily electricity consumption) | kWh | 4.219 | 7.156 | 4.219 | 7.156 | 4.219 | 7.156 | | |
| | | Reference hot water temperature | °C | 44.5 | 45.0 | 44.5 | 45.0 | 44.5 | 45.0 | | |
| | | Stand-by power input | W | 31.7 | 42.0 | 31.7 | 42.0 | 31.7 | 42.0 | | |
| | | Water heating energy efficiency class | | A+ | A | A+ | A | A+ | A | | |
| | | | | | | | | | | | |
| | Cold climate | AEC (Annual electricity consumption) | kWh | 1,024 | 1,862 | 1,024 | 1,862 | 1,024 | 1,862 | | |
| | | COPdhw | | 2.41 | 2.19 | 2.41 | 2.19 | 2.41 | 2.19 | | |
| | | Mixed water at 40°C | l | 137.0 | 211.0 | 137.0 | 211.0 | 137.0 | 211.0 | | |
| | | η _{wh} (water heating efficiency) | % | 100 | 90 | 100 | 90 | 100 | 90 | | |
| | | Qelec (Daily electricity consumption) | kWh | 4.839 | 8.713 | 4.839 | 8.713 | 4.839 | 8.713 | | |
| | | Reference hot water temperature | °C | 44.5 | 45.0 | 44.5 | 45.0 | 44.5 | 45.0 | | |
| | | | | | | | | | | | |
| Warm climate | AEC (Annual electricity consumption) | kWh | 845 | 1,343 | 845 | 1,343 | 845 | 1,343 | | | |
| | COPdhw | | 2.90 | 3.00 | 2.90 | 3.00 | 2.90 | 3.00 | | | |
| | Mixed water at 40°C | l | 137.0 | 211.0 | 137.0 | 211.0 | 137.0 | 211.0 | | | |
| | η _{wh} (water heating efficiency) | % | 121 | 125 | 121 | 125 | 121 | 125 | | | |
| | Qelec (Daily electricity consumption) | kWh | 4.023 | 6.346 | 4.023 | 6.346 | 4.023 | 6.346 | | | |
| | Reference hot water temperature | °C | 44.5 | 45.0 | 44.5 | 45.0 | 44.5 | 45.0 | | | |
| | | | | | | | | | | | |
| 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 | | 7 | | 8 | | |
| | | | 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) | Cd _h (Degradation heating) | | | 1.0 | | | | | |
| | | | | COPd | | 1.97 | | | | 1.98 | |
| | | | | Pd _h | kW | 5.3 | | | | 5.9 | |
| | | | | PERd | % | 78.8 | | | | 79.2 | |
| | | B Condition (2°CDB/1°CWB) | Cd _h (Degradation heating) | | | 1.0 | | | | | |
| | | | | COPd | | 3.23 | | 3.16 | | 3.18 | |
| | | | | Pd _h | kW | 3.3 | | 3.9 | | 4.1 | |
| | | | | PERd | % | 129.2 | | 126.4 | | 127.2 | |
| | | C Condition (7°CDB/6°CWB) | Cd _h (Degradation heating) | | | 1.0 | | | | | |
| | | | | COPd | | 4.40 | | 4.49 | | 4.54 | |
| | | | | Pd _h | kW | | | 3.0 | | | |
| PERd | % | | | 176.0 | | 179.6 | | 181.6 | | | |
| D Condition (12°CDB/11°CWB) | Cd _h (Degradation heating) | | | 1.0 | | | | | | | |
| | | | | | | | | | | | |

2 Specifications

1 - 1 ERGA04-08EVA

2

| Technical specifications | | | | EHSXB04P30D3 + ERGA04EVA | EHSXB04P50D3 + ERGA04EVA | EHSXB08P30D3 + ERGA06EVA | EHSXB08P50D3 + ERGA06EVA | EHSXB08P30D3 + ERGA08EVA | EHSXB08P50D3 + ERGA08EVA | |
|--|-----------------------------------|--|-----------------------------------|--|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|--|
| Space heating | Average climate water outlet 55°C | D Condition (12°CDB/11°CWB) | COPd | 6.10 | | | | | 6.16 | |
| | | | 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 | | | |
| | | Rated heat output | TOL °C | -10 | | | | | | |
| | | | WTOL °C | 55 | | | | | | |
| | | Tbiv (bivalent temperature) | 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 % | 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 | | | 6 | | 8 | | | | |
| 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 | 5 | | 6 | | | | | |
| | | 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 | | 7 | | 8 | | | |
| | | Qhe Annual energy consumption (GCV) GJ | 10 | | 12 | | 13 | | | |
| | | SCOP | 4.54 | | 4.52 | | 4.61 | | | |
| | A Condition (-7°CDB/-8°CWB) | Cdh (Degradation heating) | Seasonal space heating eff. class | A+++ | | | | | | |
| | | | 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 | | | | | |
| PERd % | 173.2 | | 170.0 | | 174.0 | | | | | |
| C Condition (7°CDB/6°CWB) | Cdh (Degradation heating) | | 1.0 | | | | | | | |
| | | COPd | 6.19 | | 6.30 | | 6.49 | | | |
| | | Pdh kW | 3.2 | | | | 3.3 | | | |

2 Specifications

1 - 1 ERGA04-08EVA

| Technical specifications | | | | EHSXB04P30D3 + ERGA04EVA | EHSXB04P50D3 + ERGA04EVA | EHSXB08P30D3 + ERGA06EVA | EHSXB08P50D3 + ERGA06EVA | EHSXB08P30D3 + ERGA08EVA | EHSXB08P50D3 + ERGA08EVA | |
|--|-----------------------------------|--|-------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|--|
| Space heating | Average climate water outlet 35°C | C Condition (7°CDB/6°CWB) | PERd % | 247.6 | | 252.0 | | 259.6 | | |
| | | D Condition (12°CDB/11°CWB) | Cdh (Degradation heating) | | 1.0 | | | | | |
| | | | COPd | | 7.78 | | | | 8.52 | |
| | Pdh kW | | | 3.3 | | | | 3.9 | | |
| | PERd % | | | 311.2 | | | | 340.8 | | |
| | Tol (temperature operating limit) | 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 | | | | |
| | Tbiv (bivalent temperature) | COPd | | 2.90 | | 3.07 | | 2.66 | | |
| | | Pdh kW | | 5.5 | | 6.1 | | 7.5 | | |
| | | PERd % | | 116.0 | | 122.8 | | 106.4 | | |
| | Rated heat output | Tbiv °C | | -7 | | -6 | | -8 | | |
| | | 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 | | 6 | | 8 | | |
| 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 | | 6 | | 7 | | |
| | | 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 | | | | ERGA04EVA | ERGA06EVA | ERGA08EVA | |
|--------------------------|---------------------|--|----------------------------|-----------|-----------|-----------|-----|
| Casing | Colour | Ivory white | | | | | |
| | Material | Polyester painted galvanised steel plate | | | | | |
| Dimensions | Unit | Height | mm | 740 | | | |
| | | Width | mm | 884 | | | |
| | | Depth | mm | 388 | | | |
| | Packed unit | Height | mm | 815 | | | |
| | | Width | mm | 1,043 | | | |
| | | Depth | mm | 478 | | | |
| Weight | Unit | kg | 58.5 | | | | |
| | Packed unit | kg | 60 | | | | |
| Packing | Material | Cardboard / EPS | | | | | |
| | Weight | kg | 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 | | | | | |
| | Discharge direction | Horizontal | | | | | |
| Fan motor | 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 | 2YC7IEXD#C | | | | | |
| | Type | Hermetically sealed swing compressor | | | | | |
| PED Operation range | Heating | Min. | °CDB | -25 | | | |
| | | Max. | °CDB | 25 | | | |
| | Cooling | Min. | °CDB | 10 | | | |
| | | Max. | °CDB | 43 | | | |

2 Specifications

1 - 1 ERGA04-08EVA

2

| Technical Specifications | | | | ERGA04EVA | ERGA06EVA | ERGA08EVA | |
|-------------------------------|-------------------------|------------|-------|---------------------------|--------------------|---|--|
| Operation range | Domestic | Max. | °CDB | | 35 | | |
| | hot water | Min. | °CDB | | -25 | | |
| PED | Most critical part | Ps*V | Bar*I | | 110.4 | | |
| Sound power level | Heating | Nom. | dB(A) | 58 (1) | 60 (1) | 62 (1) | |
| | Cooling | Nom. | dB(A) | 61 (1) | 62 (1) | | |
| Sound pressure level | Heating | Nom. | dB(A) | 44 (1) | 47 (1) | 49 (1) | |
| | Cooling | Nom. | dB(A) | 48 (1) | 49 (1) | 50 (1) | |
| Refrigerant | Type | | | R-32 | | | |
| | GWP | | | 675.0 | | | |
| | Charge | | | TCO2Eq 1.01 | | | |
| | 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 | | |
| | Gas | OD | | | mm 6,35 | | |
| | | Quantity | | | 1 | | |
| | Drain | Type | | | Flare connection | | |
| | | OD | | | mm 15.9 | | |
| | Piping length | Quantity | | | 2 | | |
| | | Type | | | Hole | | |
| | High pressure side | OD | | | mm 18 | | |
| | | OU - IU | Min. | m | 3 | | |
| Additional refrigerant charge | Level | IU - OU | Max. | m 30 | | | |
| | System | Chargeless | m | 10 | | | |
| Defrost method | Design pressure | | | bar 46 | | | |
| | Heat insulation | | | Both liquid and gas pipes | | | |
| Defrost control | | | | | Reversed cycle | | |
| Safety devices | Item | 01 | | | | Sensor for outdoor heat exchanger temperature | |
| | | | | | | High pressure switch | |
| 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 Heating running | | | A 15.9 | | | |
| | Recommended fuses | | | A 16 | | | |
| Wiring connections | For power supply | Quantity | | | 3 | | |
| | For | Remark | | | 2,5mm ² | | |
| | | Quantity | | | 4 | | |
| IP class | IP | Remark | | | 1,5mm ² | | |
| | | | | | 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

ERGA04-08EV
ERGA04-08EVA

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 |

Notes

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

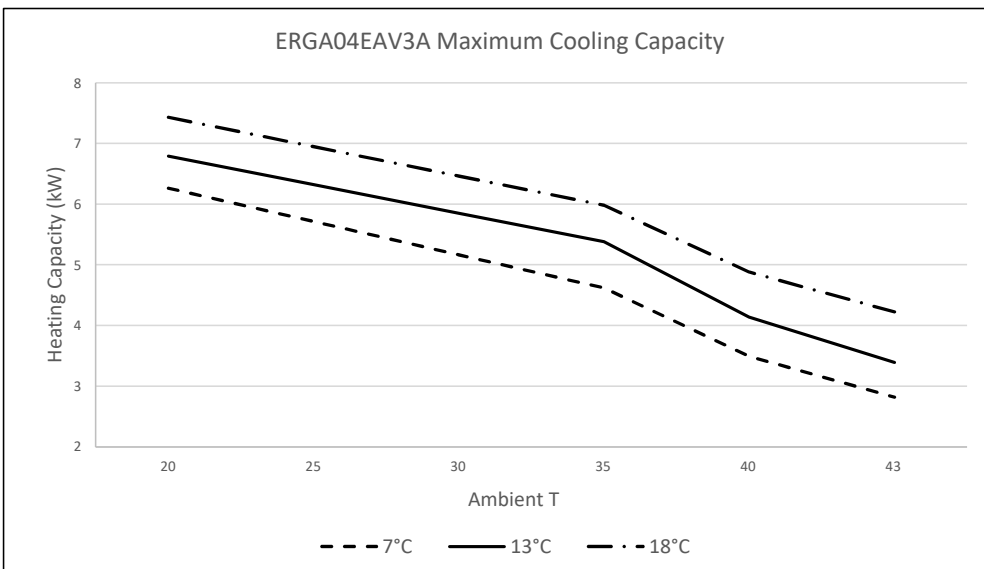
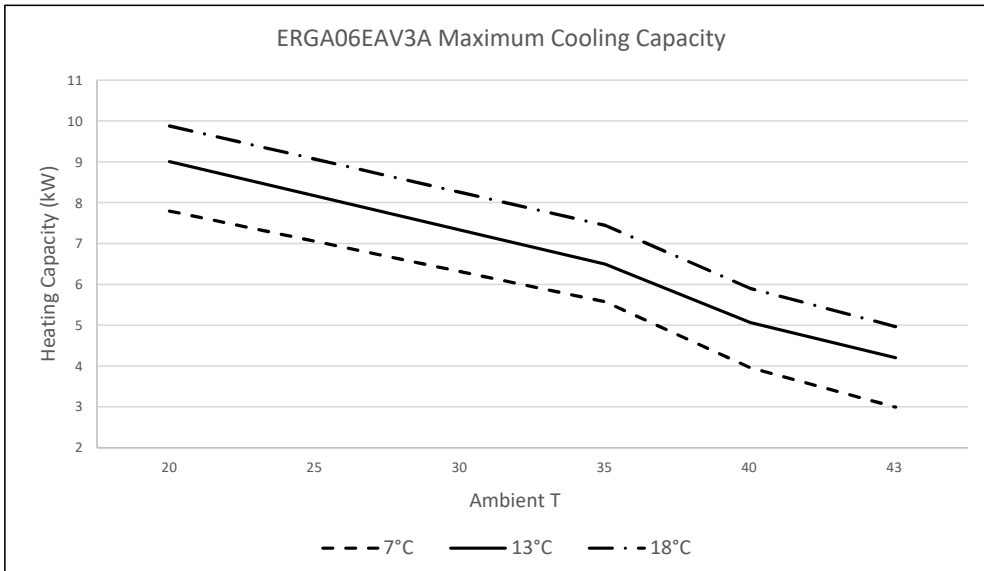
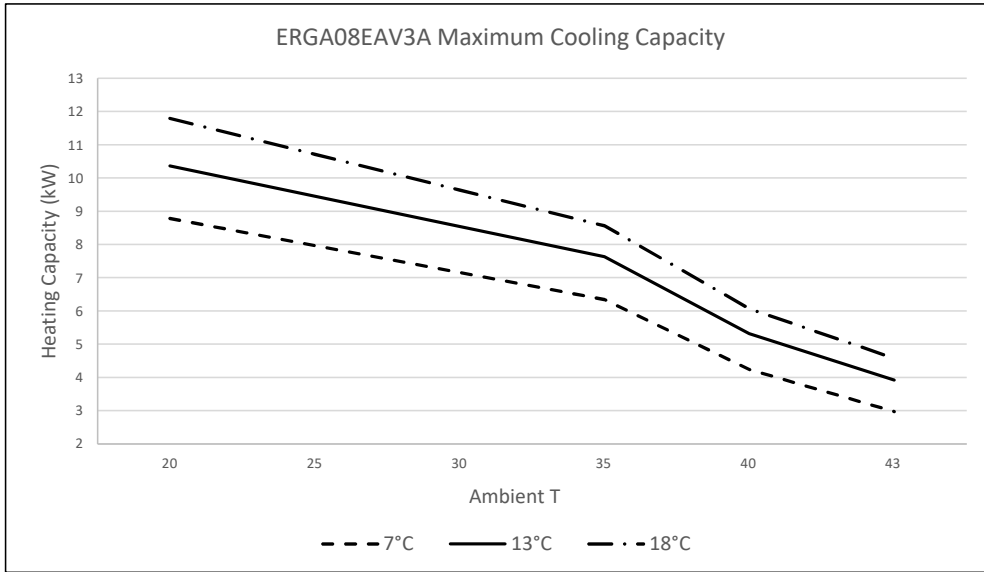
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4 Capacity graphs

4 - 1 Cooling Capacity Graphs

4

ERGA04-08EVA

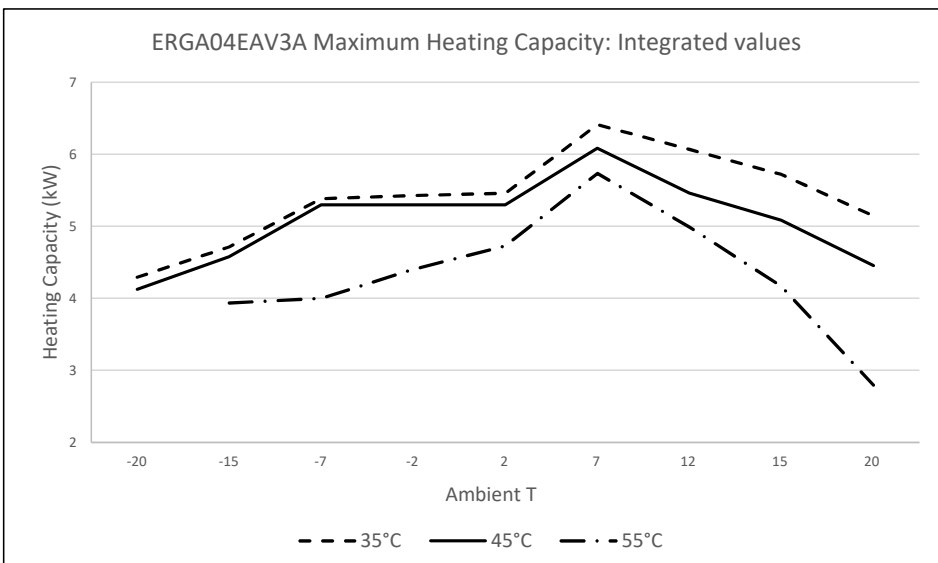
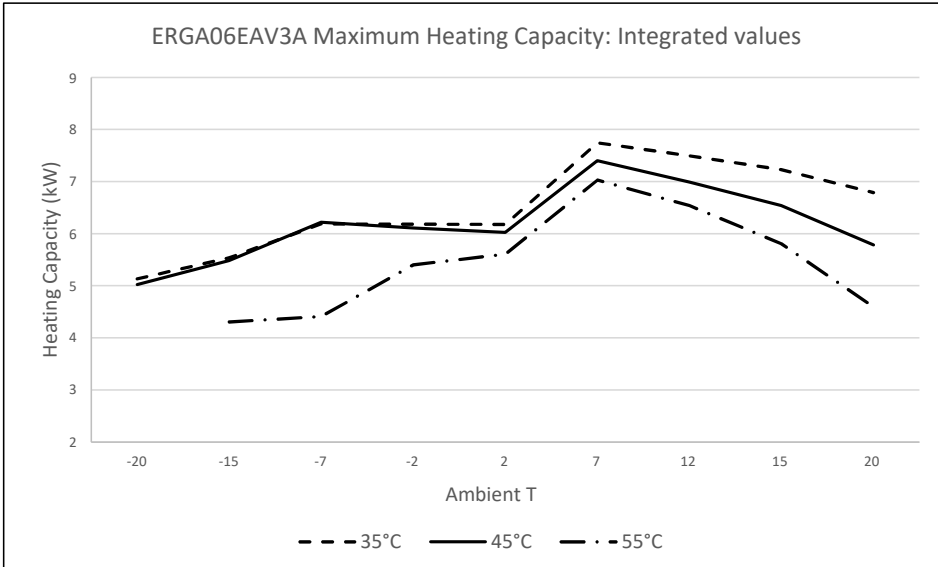
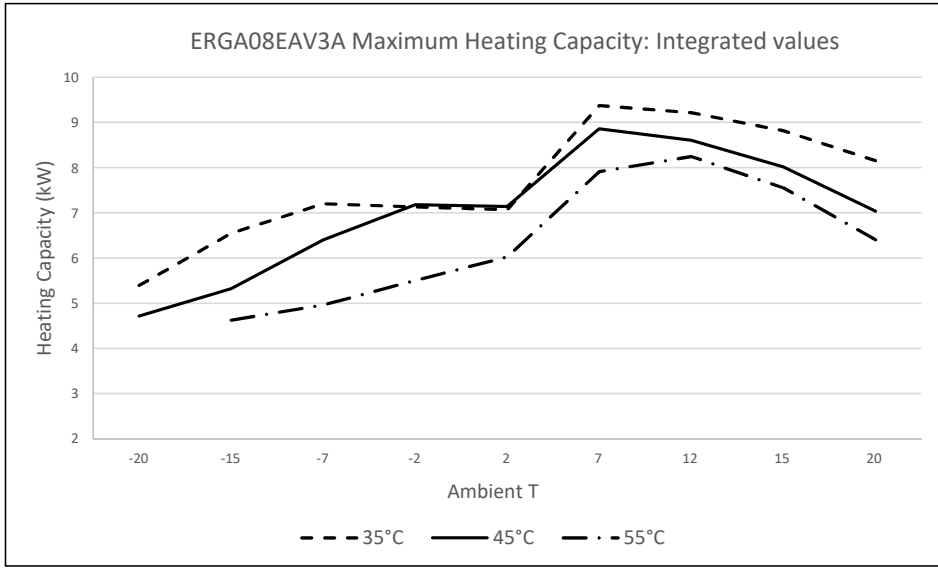


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4 Capacity graphs

4 - 2 Heating Capacity Graphs

ERGA04-08EVA



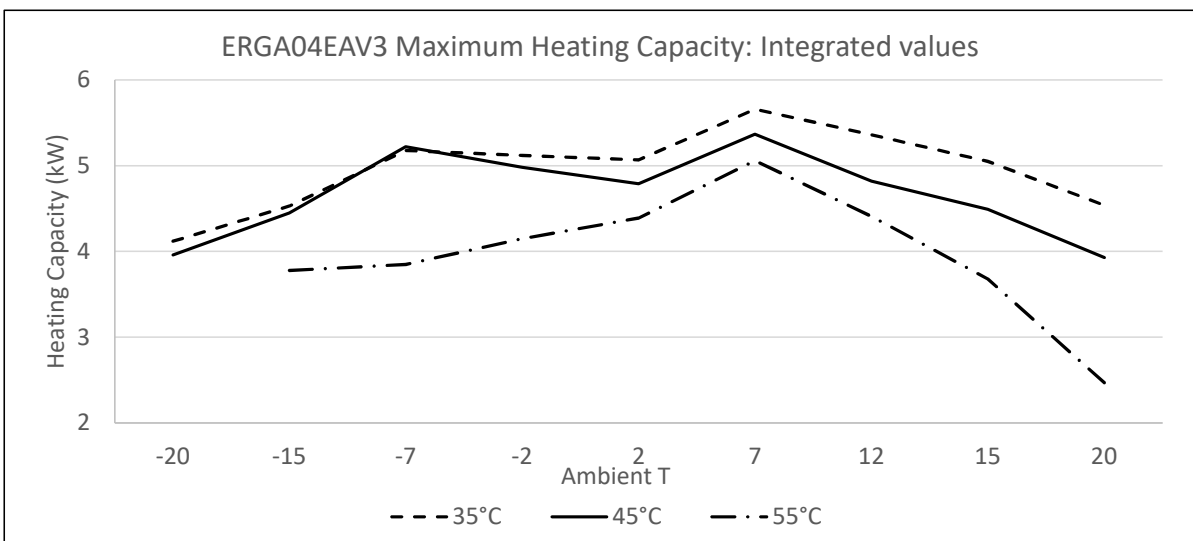
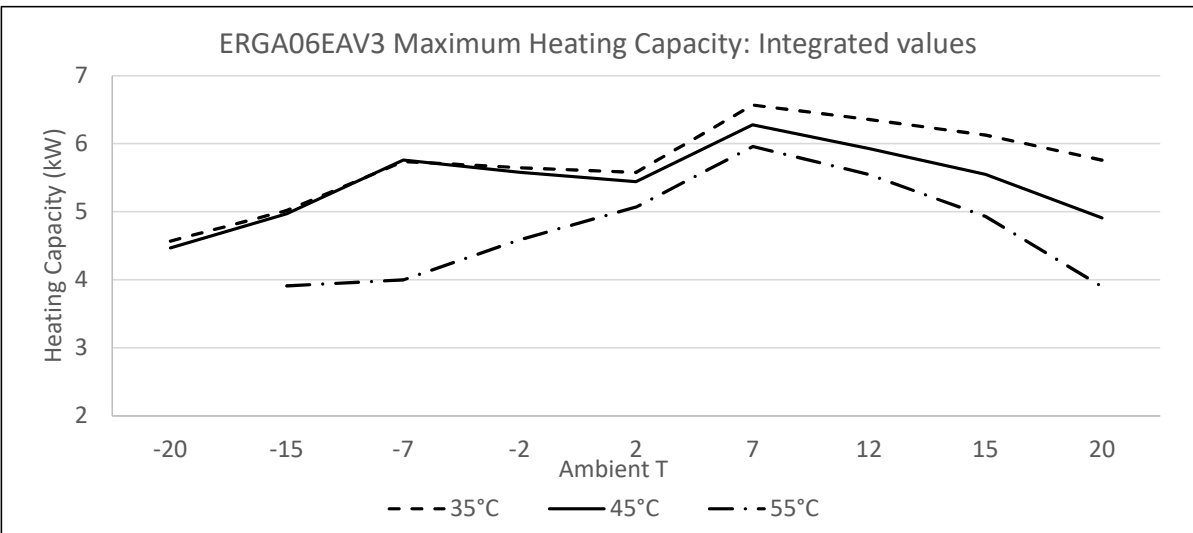
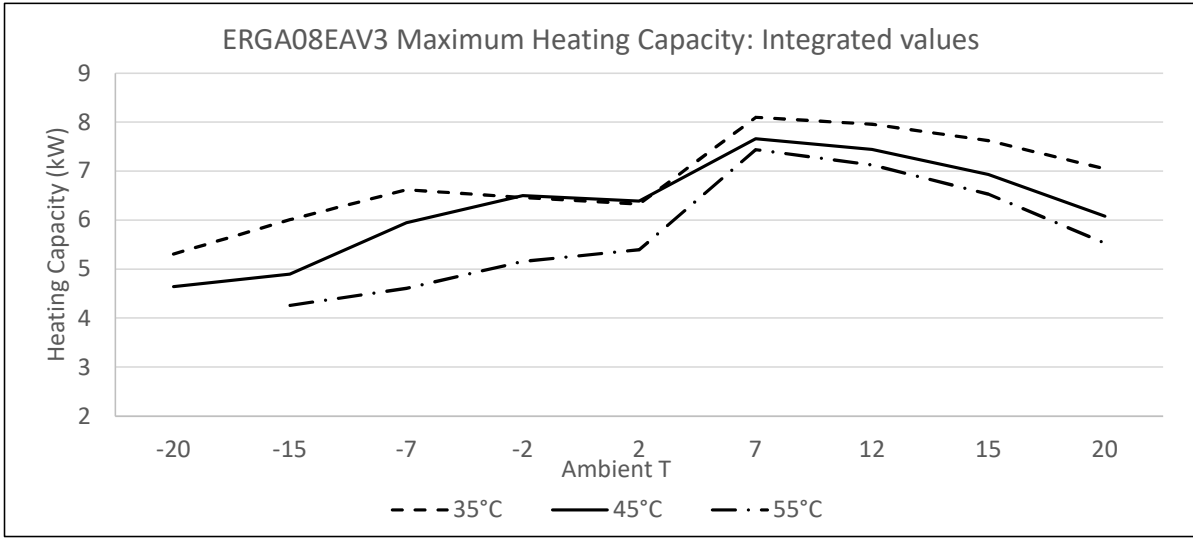
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4 Capacity graphs

4 - 3 Heating Capacity Graphs - quiet mode

4

ERGA04-08EV
ERGA04-08EVA



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5 Capacity tables

5 - 1 Certification Programs

ERGA04-08EV

ERGA04-08EVA

Rated data for certification programmes - heating mode

| Tamb [°C] | EWC [°C] | LWC [°C] | ERGA04EAV3 | | ERGA06EAV3 | | ERGA08EAV3 | |
|--------------|-------------|-------------|------------|------|------------|------|------------|------|
| | | | 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] | ERGA04EA* | | ERGA06EA* | | ERGA08EA* | |
|--------------|-------------|-------------|------------|------|------------|------|------------|------|
| | | | 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 | | |
|-----------------------------|-------------|-----------|-----------|-----------|
| | | ERGA04EA* | ERGA06EA* | ERGA08EA* |
| SEER | [-] | 5,66 | 5,73 | 5,71 |
| Pdes | [kW] | 4,5 | 5,1 | 5,4 |
| $\eta_{s,c}$ | [-] | 223% | 226% | 226% |
| Q _{CE} | [kWh/annum] | 480 | 533 | 571 |

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 condensor temperature [°C] |
| EWE | Entering water evaporator temperature [°C] |
| LWE | Leaving water evaporator temperature [°C] |
| Tamb | Ambient temperature [°C DB/WB] |
| Pdes | Nominal capacity value at design temperature [kW] |
| $\eta_{s,c}$ | Seasonal space cooling energy efficiency according to EN14825. |
| SEER | Seasonal energy efficiency ratio according to EN14825. |
| Q _{CE} | Annual energy consumption for cooling according to EN14825. |

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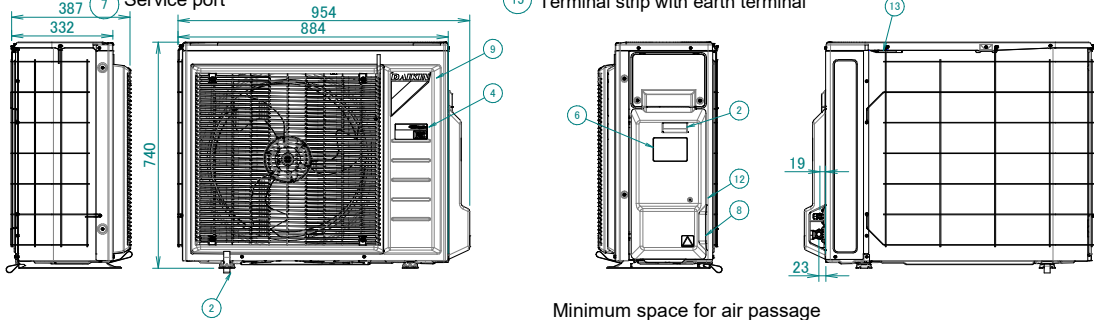
6 Dimensional drawings

6 - 1 Dimensional Drawings

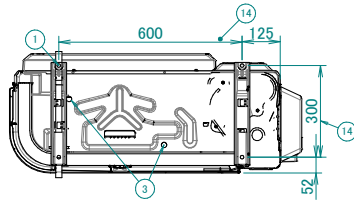
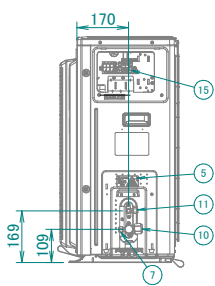
6

ERGA04-08EV
ERGA04-08EVA

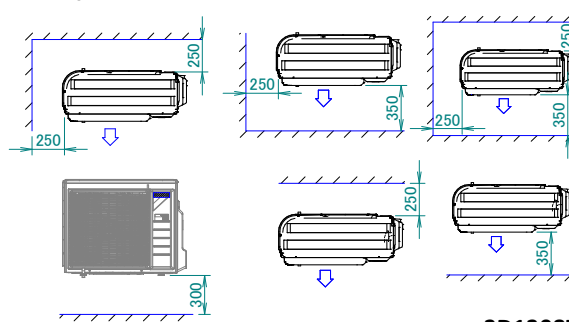
- ① 4 holes for anchor bolts
M8 OR M10
- ② Handle
- ③ Drain outlet
- ④ Nameplate
- ⑤ Caution label
- ⑥ Manufacturer label
- ⑦ Service port
- ⑧ Wiring intake area
- ⑨ Brand name label
- ⑩ Gas stop valve $\varnothing 15.9$ CuT
- ⑪ Liquid stop valve $\varnothing 6.4$ CuT
- ⑫ Product liability label
- ⑬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

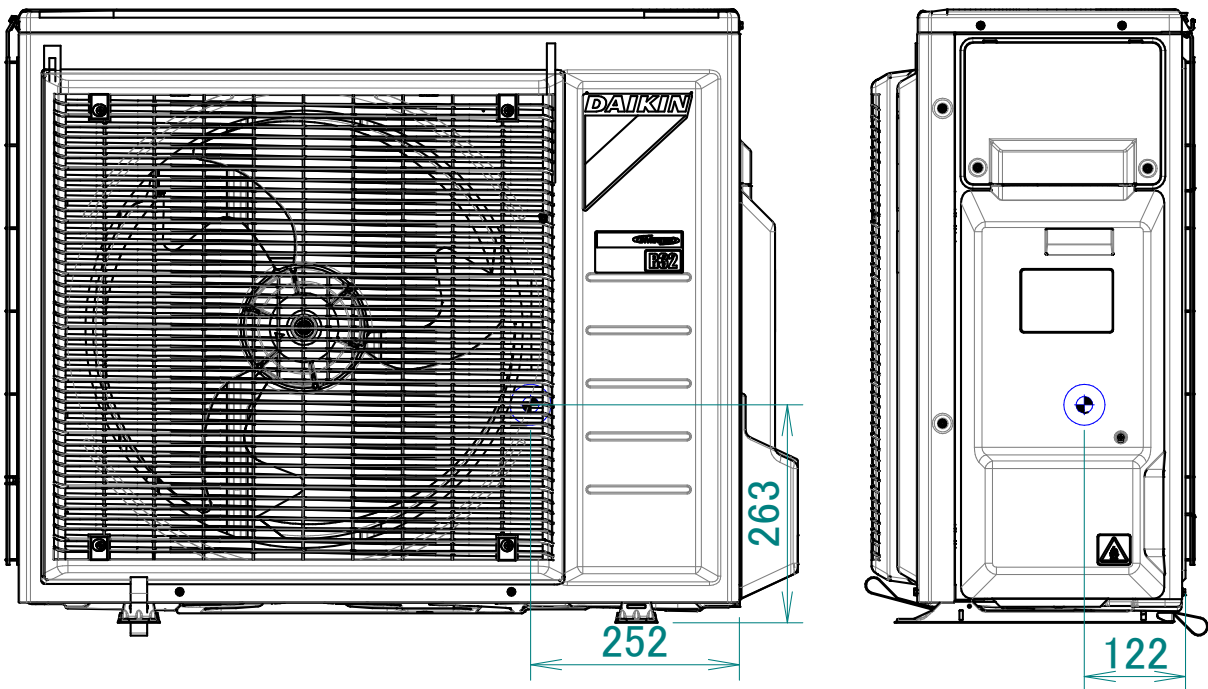


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7 Centre of gravity

7 - 1 Centre of Gravity

ERGA04-08EV
ERGA04-08EVA

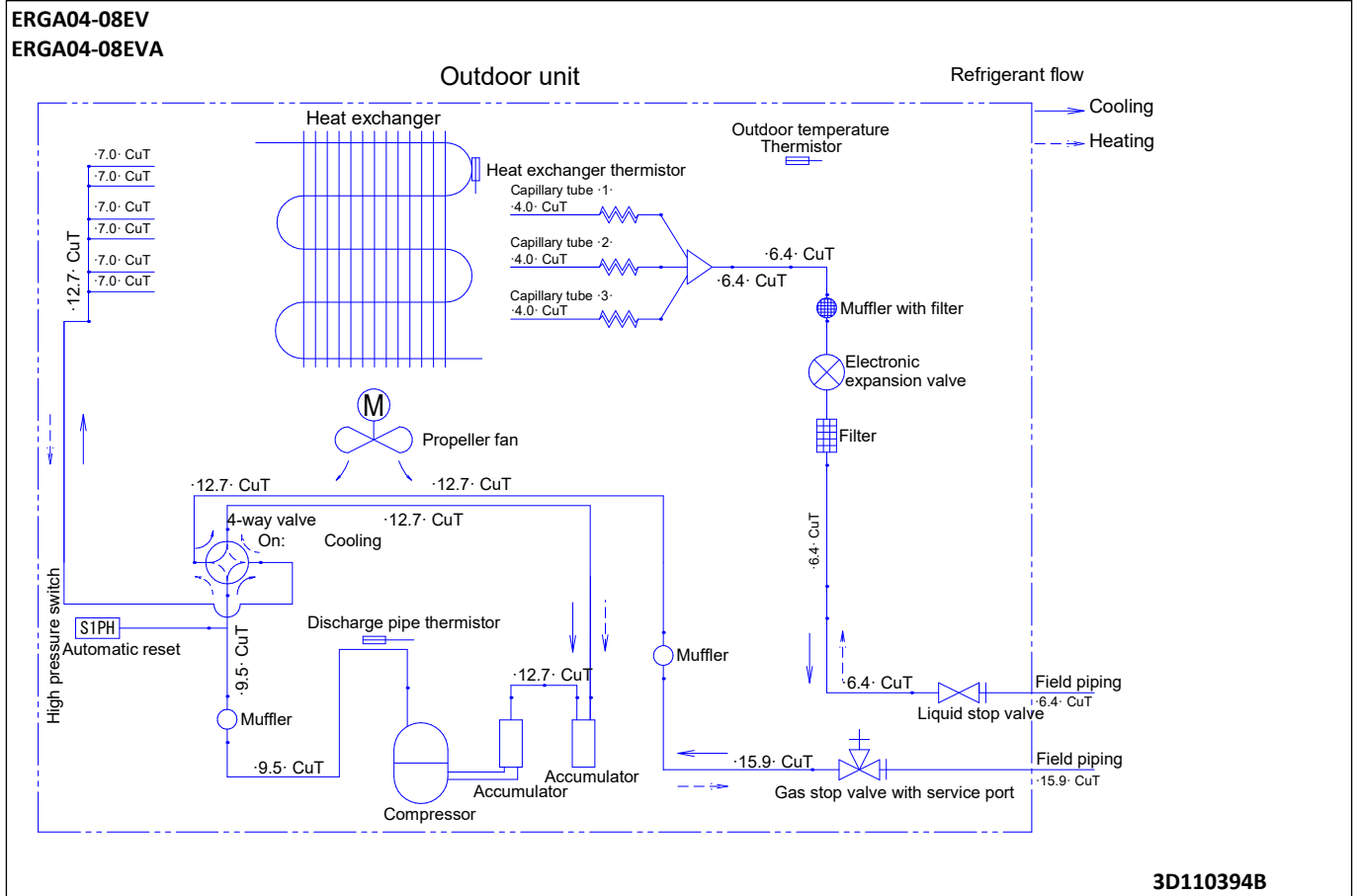


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8 Piping diagrams

8 - 1 Piping Diagrams

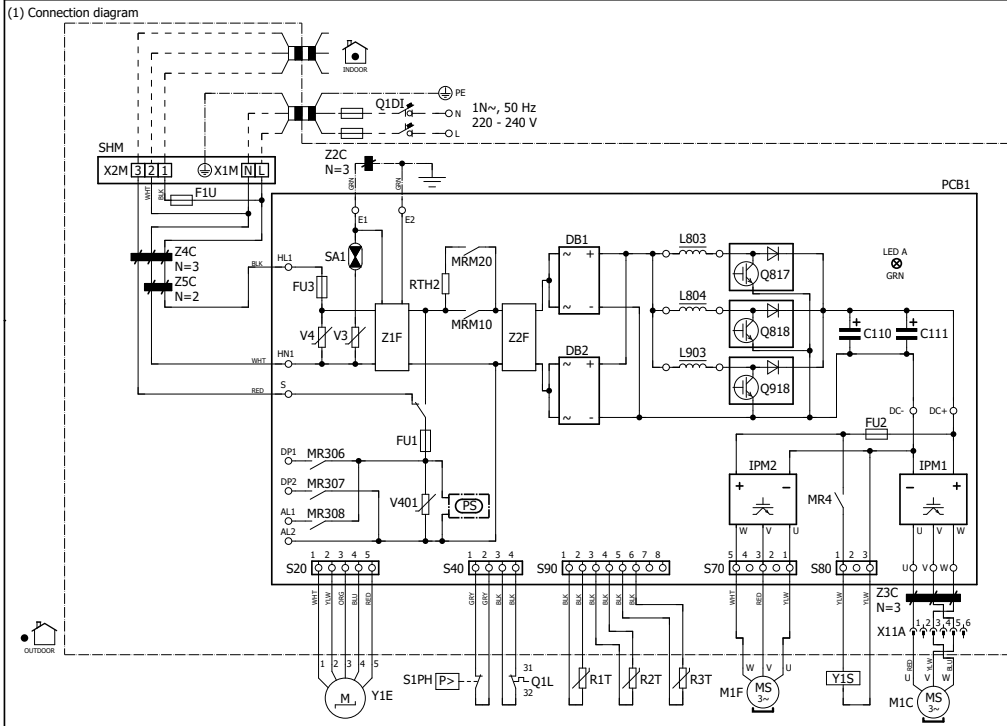
8



9 Wiring diagrams

9 - 1 Wiring Diagrams - Single Phase

ERGA04-08EV
ERGA04-08EVA



(3) Legend

| Part n° | Description |
|--------------|--|
| AL* | Connector |
| C* | Capacitor |
| DB* | Rectifier bridge |
| DC* | Connector |
| DPH* | Connector |
| E* | Connector |
| FU1, FU2 | Fuse T 6,3 A 250 V |
| FU3 | Fuse T 3,15 A 250 V |
| FU2 | Fuse T 30 A 250 V |
| I* | Connector |
| IPM* | Intelligent power module |
| L | Connector |
| LED A | Pilot lamp |
| L* | Reactor |
| M1C | Compressor motor |
| M1F | Fan motor |
| MR* | Magnetic relay |
| N | Connector |
| PCB1 | Printed circuit board (main) |
| PS | Switching power supply |
| QL | Thermal protector |
| Q1D1 | # Earth leakage circuit breaker |
| Q* | # Insulated gate bipolar transistor (IGBT) |
| R1T | Thermistor (air) |
| R2T | 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 |
| Y1E | Electronic expansion valve |
| Y1S | Solenoid valve (4-way valve) |
| Z*C | Noise filter (ferrite core) |
| Z*F | Noise filter |

: Field supply
* : Optional

(2) Notes

- ➔ : Connection
- X1M : Main terminal
- ⊕ : Earth wiring
- : Field supply
- ⊖ : Option
- ⊖ : switch box
- ⊕ : Protective earth
- ⊖ : PCB
- ⊖ : Field wire

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

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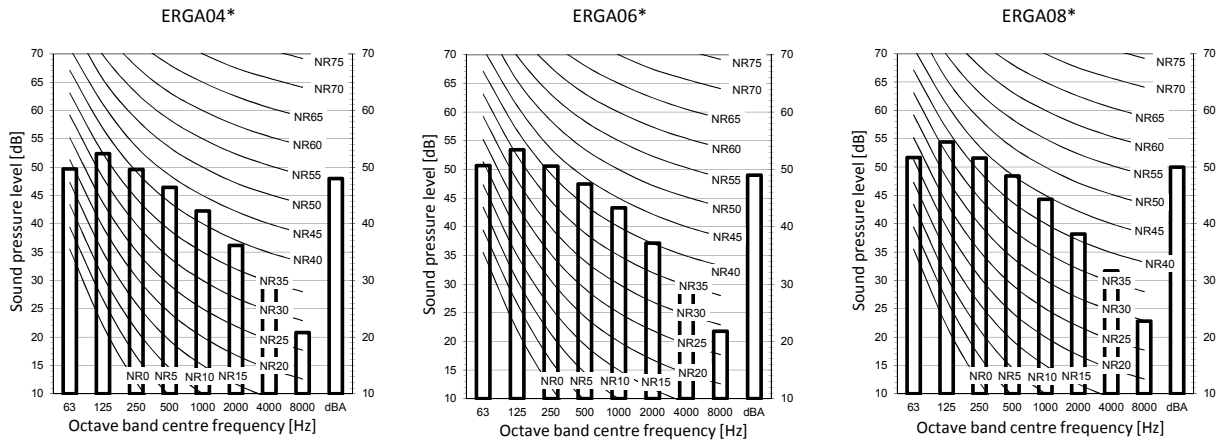
10 Sound data

10 - 1 Sound Pressure Spectrum

10

ERGA04-08EV
ERGA04-08EVA

Cooling



Notes

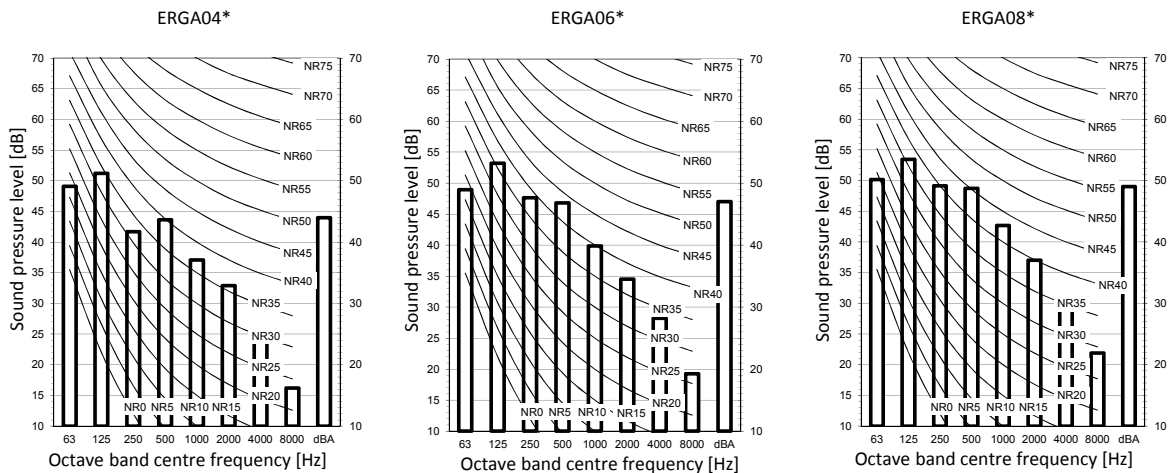
1. Data is valid at free field condition.
Measured in a semi-anechoic chamber
2. Data is valid at nominal operation condition.
3. dBA = A-weighted sound pressure level (A scale according to IEC).
4. Reference acoustic pressure 0 dB = 20 μPa
5. If the sound is measured under actual installation conditions,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

Measuring location (discharge side)

3D111595

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.

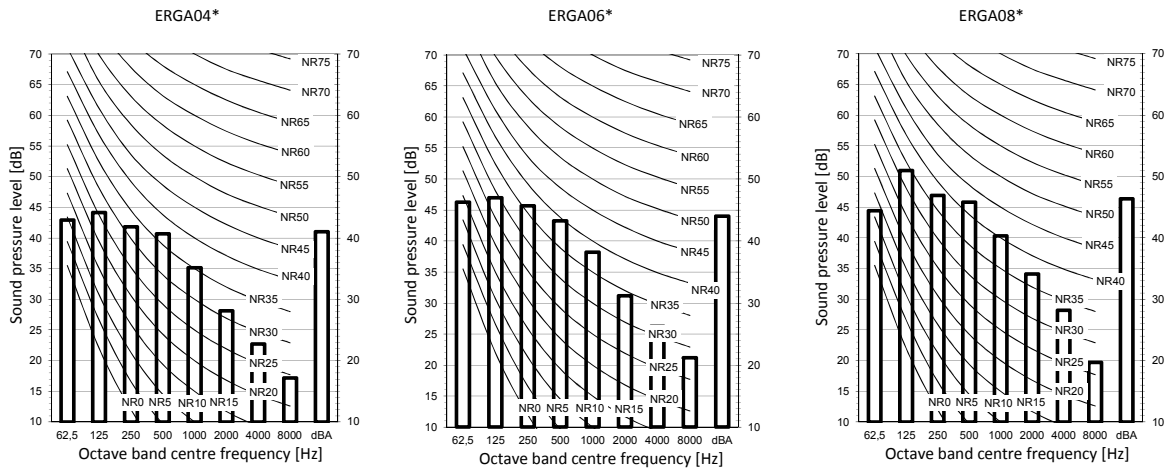
Measuring location (discharge side)

3D111594A

10 Sound data

10 - 1 Sound Pressure Spectrum

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

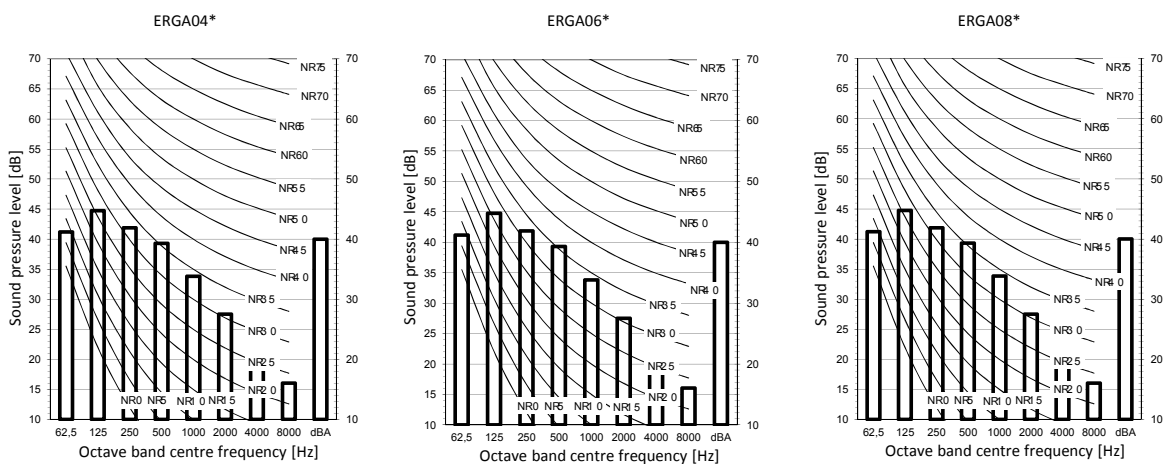


Notes

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.

3D116213

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.

Measuring location (discharge side)

3D116214

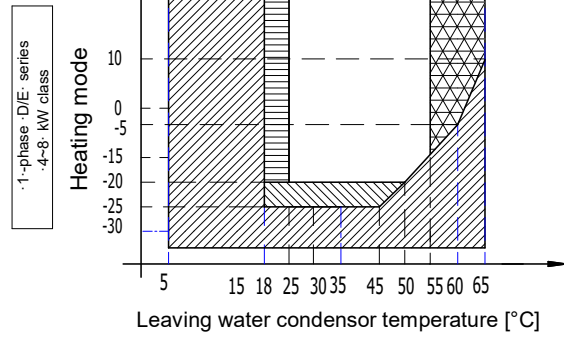
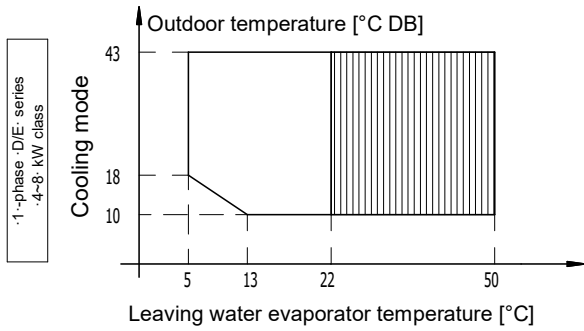
11 Operation range

11 - 1 Operation Range

11

ERGA04-08EV
ERGA04-08EVA

Indoor
·D/E(A/J)· series Standard



Legend

- Backup heater only operation
No outdoor unit operation
- Outdoor unit operation if setpoint $\geq -25^{\circ}\text{C}$
- Operation of outdoor unit possible, but with possible capacity reduction.
If the outdoor temperature $< -25^{\circ}\text{C}$, the outdoor unit will stop.
Indoor unit and backup heater operation will continue.
- Pull-down area
- Outdoor unit operation if setpoint $> 55^{\circ}\text{C}$ and $\Delta T = -10^{\circ}\text{C}$ ($\Delta T = \text{outlet temperature} - \text{inlet temperature}$)

Remark

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

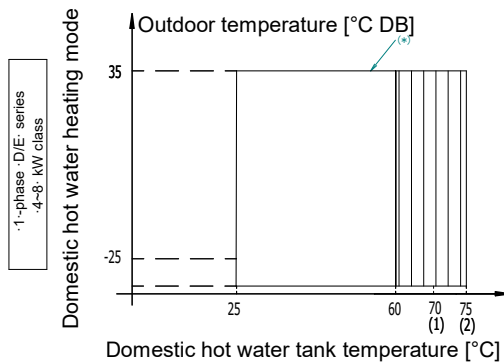
Warning

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

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

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ERGA04-08EV
ERGA04-08EVA



Legend

- Booster heater only operation (if a booster heater is part of the system)
 - (1) ·EHV*D/E(A/J)V* indoor units only
 - (2) Combination of ·EKHWS*DA* and ·EHB*D/EAV* indoor units

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

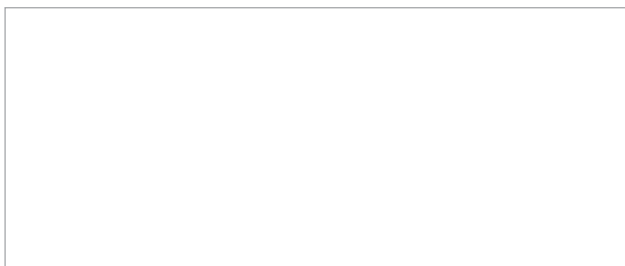
Remark

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

If the outdoor temperature $< -20^{\circ}\text{C}$, then outdoor unit operation is possible, but with a possible capacity reduction.

If the outdoor temperature $< -25^{\circ}\text{C}$, the outdoor unit will stop.
Indoor unit and backup heater operation will continue.

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11/2020



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