Login

| Summary of | DAIKIN ALTHERMA 3 R F+W 14KW (180L) | Reg. No. | 011-1W0499 |
|---|---|---|---|
| Certificate Holder | | | |
| Name | DAIKIN Europe N.V. | | |
| Address | Zandvoordestraat 300 | Zip | B-8400 |
| City | Oostende | Country | Belgium |
| Certification Body | DIN CERTCO Gesellschaft für Konformitätsbewertung mbH | | |
| Subtype title | DAIKIN ALTHERMA 3 R F+W 14KW (180L) | | |
| Heat Pump Type | Outdoor Air/Water | | |
| Refrigerant | R32 | | |
| Mass of Refrigerant | 3.8 kg | | |
| Certification Date | 10.11.2021 | | |
| Testing basis | HP KEYMARK certification scheme rules rev. 8 | | |

# Model: ERLA14DV3 / EBBH16D(6V/9W)

| Configure model | |
|---|---|
| Model name | ERLA14DV3 / EBBH16D(6V/9W) |
| Application | Heating (medium temp) |
| Units | Indoor + Outdoor |
| Climate Zone | Warmer Climate |
| Reversibility | No |
| Cooling mode application (optional) | n/a |

| General Data | |
|---|---|
| Power supply | 1x230V 50Hz |

## Heating

| EN 14511-2 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Heat output | 12.00 kW | 11.87 kW |
| El input | 2.46 kW | 4.11 kW |
| COP | 4.87 | 2.89 |

| EN 14511-4 | |
|---|---|
| | |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

## Cooling

## EN 14511-2

| | **+7°C/+12°C** |
|---|---|
| El input | 4.34 kW |
| Cooling capacity | 12.92 |
| EER | 2.98 |

## EN 14825

| | **+7°C/+12°C** |
|---|---|
| Pdesignc | 12.90 kW |
| SEER | 5.86 |
| Pdc Tj = 35°C | 12.90 kW |
| EER Tj = 35°C | 2.96 |
| Pdc Tj = 30°C | 8.80 kW |
| EER Tj = 30°C | 4.77 |
| Cdc | 0.990 |
| Pdc Tj = 25°C | 6.20 kW |
| EER Tj = 25°C | 7.00 |
| Cdc | 0.970 |
| Pdc Tj = 20°C | 5.90 kW |
| EER Tj = 20°C | 8.88 |
| Cdc | 0.960 |
| Poff | 23 W |
| PTO | 23 W |
| PSB | 23 W |
| PCK | 0 W |
| Annual energy consumption Qce | 1314 kWh |

## Warmer Climate

| EN 12102-1 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

| EN 14825 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| $\eta_s$ | 239 % | 166 % |
| Prated | 11 kW | 12.1 kW |
| SCOP | 6.04 | 4.23 |
| Tbiv | 2 °C | 4 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 11.0 kW | 10.1 kW |
| COP Tj = +2°C | 3.51 | 2.20 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 7.4 kW | 7.6 kW |
| COP Tj = +7°C | 5.77 | 3.83 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |
| Pdh Tj = 12°C | 5.2 kW | 5.0 kW |
| COP Tj = 12°C | 7.73 | 5.69 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |

| | | |
|---|---|---|
| Pdh Tj = Tbiv | 11.0 kW | 11.1 kW |
| COP Tj = Tbiv | 3.51 | 2.65 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.95 kW | 10.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.51 | 2.20 |
| WTOL | 35 °C | 55 °C |
| Poff | 23 W | 23 W |
| PTO | 23 W | 23 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.05 kW | 2.04 kW |
| Annual energy consumption Qhe | 2431 kWh | 3818 kWh |

## Average Climate

| **EN 12102-1** | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Sound power level indoor | 44.0 dB(A) | 44.0 dB(A) |
| Sound power level outdoor | 62.0 dB(A) | 62.0 dB(A) |

| **EN 14825** | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| | | |

| | | |
|---|---|---|
| $\eta_s$ | 181 % | 126 % |
| Prated | 11 kW | 11 kW |
| SCOP | 4.60 | 3.22 |
| Tbiv | -7 °C | -5 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 9.8 kW | 8.5 kW |
| COP Tj = -7°C | 2.99 | 1.80 |
| Cdh Tj = -7 °C | n/a | 1.0 |
| Pdh Tj = +2°C | 6.1 kW | 6.2 kW |
| COP Tj = +2°C | 4.35 | 3.28 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 4.6 kW | 4.4 kW |
| COP Tj = +7°C | 6.70 | 4.88 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |
| Pdh Tj = 12°C | 5.4 kW | 5.3 kW |
| COP Tj = 12°C | 8.65 | 6.58 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |
| Pdh Tj = Tbiv | 9.8 kW | 8.9 kW |
| COP Tj = Tbiv | 2.99 | 1.87 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.1 kW | 7.0 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.71 | 1.76 |

| | | |
|---|---|---|
| WTOL | 35 °C | 55 °C |
| Poff | 23 W | 23 W |
| PTO | 23 W | 23 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.9 kW | 4.0 kW |
| Annual energy consumption Qhe | 4935 kWh | 7047 kWh |

# Model: ERLA14DV3 / EBBX16D(6V/9W)

| Configure model | |
|---|---|
| Model name | ERLA14DV3 / EBBX16D(6V/9W) |
| Application | Heating (medium temp) |
| Units | Indoor + Outdoor |
| Climate Zone | Warmer Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C |

| General Data | |
|---|---|
| Power supply | 1x230V 50Hz |

## Heating

| EN 14511-2 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Heat output | 12.00 kW | 11.87 kW |
| El input | 2.46 kW | 4.11 kW |
| COP | 4.87 | 2.89 |

| EN 14511-4 | |
|---|---|
| | |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

## Cooling

## EN 14511-2

| | **+7°C/+12°C** |
|---|---|
| El input | 4.34 kW |
| Cooling capacity | 12.92 |
| EER | 2.98 |

## EN 14825

| | **+7°C/+12°C** |
|---|---|
| Pdesignc | 12.90 kW |
| SEER | 5.86 |
| Pdc Tj = 35°C | 12.90 kW |
| EER Tj = 35°C | 2.96 |
| Pdc Tj = 30°C | 8.80 kW |
| EER Tj = 30°C | 4.77 |
| Cdc | 0.990 |
| Pdc Tj = 25°C | 6.20 kW |
| EER Tj = 25°C | 7.00 |
| Cdc | 0.970 |
| Pdc Tj = 20°C | 5.90 kW |
| EER Tj = 20°C | 8.88 |
| Cdc | 0.960 |
| Poff | 23 W |
| PTO | 23 W |
| PSB | 23 W |
| PCK | 0 W |
| Annual energy consumption Qce | 1314 kWh |

## Warmer Climate

| EN 12102-1 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

| EN 14825 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| $\eta_s$ | 249 % | 171 % |
| Prated | 11 kW | 12.1 kW |
| SCOP | 6.31 | 4.35 |
| Tbiv | 2 °C | 4 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 11.0 kW | 10.1 kW |
| COP Tj = +2°C | 3.51 | 2.20 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 7.4 kW | 7.6 kW |
| COP Tj = +7°C | 5.77 | 3.83 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |
| Pdh Tj = 12°C | 5.2 kW | 5.0 kW |
| COP Tj = 12°C | 7.73 | 5.69 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |

| | | |
|---|---|---|
| Pdh Tj = Tbiv | 11.0 kW | 11.1 kW |
| COP Tj = Tbiv | 3.51 | 2.65 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.95 kW | 10.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.51 | 2.20 |
| WTOL | 35 °C | 55 °C |
| Poff | 23 W | 23 W |
| PTO | 23 W | 23 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.05 kW | 2.04 kW |
| Annual energy consumption Qhe | 2330 kWh | 3717 kWh |

## Average Climate

| **EN 12102-1** | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Sound power level indoor | 44.0 dB(A) | 44.0 dB(A) |
| Sound power level outdoor | 62.0 dB(A) | 62.0 dB(A) |

| **EN 14825** | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| | | |

| | | |
|---|---|---|
| $\eta_s$ | 184 % | 128 % |
| Prated | 11 kW | 11 kW |
| SCOP | 4.68 | 3.26 |
| Tbiv | -7 °C | -5 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 9.8 kW | 8.5 kW |
| COP Tj = -7°C | 2.99 | 1.80 |
| Cdh Tj = -7 °C | n/a | 1.0 |
| Pdh Tj = +2°C | 6.1 kW | 6.2 kW |
| COP Tj = +2°C | 4.35 | 3.28 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 4.6 kW | 4.4 kW |
| COP Tj = +7°C | 6.70 | 4.88 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |
| Pdh Tj = 12°C | 5.4 kW | 5.3 kW |
| COP Tj = 12°C | 8.65 | 6.58 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |
| Pdh Tj = Tbiv | 9.8 kW | 8.9 kW |
| COP Tj = Tbiv | 2.99 | 1.87 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.1 kW | 7.0 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.71 | 1.76 |

| | | |
|---|---|---|
| WTOL | 35 °C | 55 °C |
| Poff | 23 W | 23 W |
| PTO | 23 W | 23 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.9 kW | 4.0 kW |
| Annual energy consumption Qhe | 4851 kWh | 6962 kWh |

# Model: ERLA14DV3 / EBVH16S18D(6V/9W)

| Configure model | |
|---|---|
| Model name | ERLA14DV3 / EBVH16S18D(6V/9W) |
| Application | Heating + DHW + low temp |
| Units | Indoor + Outdoor |
| Climate Zone | Warmer Climate |
| Reversibility | No |
| Cooling mode application (optional) | n/a |

| General Data | |
|---|---|
| Power supply | 1x230V 50Hz |

## Heating

| EN 14511-2 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Heat output | 12.00 kW | 11.87 kW |
| El input | 2.46 kW | 4.11 kW |
| COP | 4.87 | 2.89 |

| EN 14511-4 | |
|---|---|
| | |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

## Cooling

## EN 14511-2

| | **+7°C/+12°C** |
|---|---|
| El input | 4.34 kW |
| Cooling capacity | 12.92 |
| EER | 2.98 |

## EN 14825

| | **+7°C/+12°C** |
|---|---|
| Pdesignc | 12.90 kW |
| SEER | 5.86 |
| Pdc Tj = 35°C | 12.90 kW |
| EER Tj = 35°C | 2.96 |
| Pdc Tj = 30°C | 8.80 kW |
| EER Tj = 30°C | 4.77 |
| Cdc | 0.990 |
| Pdc Tj = 25°C | 6.20 kW |
| EER Tj = 25°C | 7.00 |
| Cdc | 0.970 |
| Pdc Tj = 20°C | 5.90 kW |
| EER Tj = 20°C | 8.88 |
| Cdc | 0.960 |
| Poff | 23 W |
| PTO | 23 W |
| PSB | 23 W |
| PCK | 0 W |
| Annual energy consumption Qce | 1314 kWh |

## Warmer Climate

| EN 12102-1 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

| EN 14825 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| $\eta_s$ | 239 % | 166 % |
| Prated | 11 kW | 12.1 kW |
| SCOP | 6.04 | 4.23 |
| Tbiv | 2 °C | 4 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 11.0 kW | 10.1 kW |
| COP Tj = +2°C | 3.51 | 2.20 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 7.4 kW | 7.6 kW |
| COP Tj = +7°C | 5.77 | 3.83 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |
| Pdh Tj = 12°C | 5.2 kW | 5.0 kW |
| COP Tj = 12°C | 7.73 | 5.69 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |

| | | |
|---|---|---|
| Pdh Tj = Tbiv | 11.0 kW | 11.1 kW |
| COP Tj = Tbiv | 3.51 | 2.65 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.95 kW | 10.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.51 | 2.20 |
| WTOL | 35 °C | 55 °C |
| Poff | 23 W | 23 W |
| PTO | 23 W | 23 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.05 kW | 2.04 kW |
| Annual energy consumption Qhe | 2431 kWh | 3818 kWh |

## Average Climate

| **EN 12102-1** | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Sound power level indoor | 44.0 dB(A) | 44.0 dB(A) |
| Sound power level outdoor | 62.0 dB(A) | 62.0 dB(A) |

| **EN 14825** | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| | | |

| | | |
|---|---|---|
| $\eta_s$ | 181 % | 126 % |
| Prated | 11 kW | 11 kW |
| SCOP | 4.60 | 3.22 |
| Tbiv | -7 °C | -5 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 9.8 kW | 8.5 kW |
| COP Tj = -7°C | 2.99 | 1.80 |
| Cdh Tj = -7 °C | n/a | 1.0 |
| Pdh Tj = +2°C | 6.1 kW | 6.2 kW |
| COP Tj = +2°C | 4.35 | 3.28 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 4.6 kW | 4.4 kW |
| COP Tj = +7°C | 6.70 | 4.88 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |
| Pdh Tj = 12°C | 5.4 kW | 5.3 kW |
| COP Tj = 12°C | 8.65 | 6.58 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |
| Pdh Tj = Tbiv | 9.8 kW | 8.9 kW |
| COP Tj = Tbiv | 2.99 | 1.87 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.1 kW | 7.0 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.71 | 1.76 |

| | | |
|---|---|---|
| WTOL | 35 °C | 55 °C |
| Poff | 23 W | 23 W |
| PTO | 23 W | 23 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.9 kW | 4.0 kW |
| Annual energy consumption Qhe | 4935 kWh | 7047 kWh |

## Domestic Hot Water (DHW)

## Warmer Climate

| **EN 16147** | |
|---|---|
| | |
| Declared load profile | L |
| Efficiency ηDHW | 139 % |
| COP | 3.26 |
| Heating up time | 1:16 h:min |
| Standby power input | 38.4 W |
| Reference hot water temperature | 52.7 °C |
| Mixed water at 40°C | 244.0 l |

## Average Climate

## EN 16147

| | |
|---|---|
| Declared load profile | L |
| Efficiency ηDHW | 116 % |
| COP | 2.73 |
| Heating up time | 1:21 h:min |
| Standby power input | 42.0 W |
| Reference hot water temperature | 52.7 °C |
| Mixed water at 40°C | 244.0 l |

# Model: ERLA14DV3 / EBVX16S18D(6V/9W)

| Configure model | |
|---|---|
| Model name | ERLA14DV3 / EBVX16S18D(6V/9W) |
| Application | Heating + DHW + low temp |
| Units | Indoor + Outdoor |
| Climate Zone | Warmer Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C |

| General Data | |
|---|---|
| Power supply | 1x230V 50Hz |

## Heating

| EN 14511-2 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Heat output | 12.00 kW | 11.87 kW |
| El input | 2.46 kW | 4.11 kW |
| COP | 4.87 | 2.89 |

| EN 14511-4 | |
|---|---|
| | |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

## Cooling

## EN 14511-2

| | **+7°C/+12°C** |
|---|---|
| El input | 4.34 kW |
| Cooling capacity | 12.92 |
| EER | 2.98 |

## EN 14825

| | **+7°C/+12°C** |
|---|---|
| Pdesignc | 12.90 kW |
| SEER | 5.86 |
| Pdc Tj = 35°C | 12.90 kW |
| EER Tj = 35°C | 2.96 |
| Pdc Tj = 30°C | 8.80 kW |
| EER Tj = 30°C | 4.77 |
| Cdc | 0.990 |
| Pdc Tj = 25°C | 6.20 kW |
| EER Tj = 25°C | 7.00 |
| Cdc | 0.970 |
| Pdc Tj = 20°C | 5.90 kW |
| EER Tj = 20°C | 8.88 |
| Cdc | 0.960 |
| Poff | 23 W |
| PTO | 23 W |
| PSB | 23 W |
| PCK | 0 W |
| Annual energy consumption Qce | 1314 kWh |

## Warmer Climate

| EN 12102-1 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

| EN 14825 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| $\eta_s$ | 249 % | 171 % |
| Prated | 11 kW | 12.1 kW |
| SCOP | 6.31 | 4.35 |
| Tbiv | 2 °C | 4 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 11.0 kW | 10.1 kW |
| COP Tj = +2°C | 3.51 | 2.20 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 7.4 kW | 7.6 kW |
| COP Tj = +7°C | 5.77 | 3.83 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |
| Pdh Tj = 12°C | 5.2 kW | 5.0 kW |
| COP Tj = 12°C | 7.73 | 5.69 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |

| | | |
|---|---|---|
| Pdh Tj = Tbiv | 11.0 kW | 11.1 kW |
| COP Tj = Tbiv | 3.51 | 2.65 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.95 kW | 10.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.51 | 2.20 |
| WTOL | 35 °C | 55 °C |
| Poff | 23 W | 23 W |
| PTO | 23 W | 23 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.05 kW | 2.04 kW |
| Annual energy consumption Qhe | 2330 kWh | 3717 kWh |

## Average Climate

| **EN 12102-1** | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Sound power level indoor | 44.0 dB(A) | 44.0 dB(A) |
| Sound power level outdoor | 62.0 dB(A) | 62.0 dB(A) |

| **EN 14825** | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| | | |

| | | |
|---|---|---|
| $\eta_s$ | 184 % | 128 % |
| Prated | 11 kW | 11 kW |
| SCOP | 4.68 | 3.26 |
| Tbiv | -7 °C | -5 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 9.8 kW | 8.5 kW |
| COP Tj = -7°C | 2.99 | 1.80 |
| Cdh Tj = -7 °C | n/a | 1.0 |
| Pdh Tj = +2°C | 6.1 kW | 6.2 kW |
| COP Tj = +2°C | 4.35 | 3.28 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 4.6 kW | 4.4 kW |
| COP Tj = +7°C | 6.70 | 4.88 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |
| Pdh Tj = 12°C | 5.4 kW | 5.3 kW |
| COP Tj = 12°C | 8.65 | 6.58 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |
| Pdh Tj = Tbiv | 9.8 kW | 8.9 kW |
| COP Tj = Tbiv | 2.99 | 1.87 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.1 kW | 7.0 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.71 | 1.76 |

| | | |
|---|---|---|
| WTOL | 35 °C | 55 °C |
| Poff | 23 W | 23 W |
| PTO | 23 W | 23 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.9 kW | 4.0 kW |
| Annual energy consumption Qhe | 4851 kWh | 6962 kWh |

## Domestic Hot Water (DHW)

## Warmer Climate

| **EN 16147** | |
|---|---|
| | |
| Declared load profile | L |
| Efficiency ηDHW | 139 % |
| COP | 3.26 |
| Heating up time | 1:16 h:min |
| Standby power input | 38.4 W |
| Reference hot water temperature | 52.7 °C |
| Mixed water at 40°C | 244.0 l |

## Average Climate

## EN 16147

| | |
|---|---|
| Declared load profile | L |
| Efficiency ηDHW | 116 % |
| COP | 2.73 |
| Heating up time | 1:21 h:min |
| Standby power input | 42.0 W |
| Reference hot water temperature | 52.7 °C |
| Mixed water at 40°C | 244.0 l |

# Model: ERLA14DV3 / EBVZ16S18D(6V/9W)

| Configure model | |
|---|---|
| Model name | ERLA14DV3 / EBVZ16S18D(6V/9W) |
| Application | Heating + DHW + low temp |
| Units | Indoor + Outdoor |
| Climate Zone | Warmer Climate |
| Reversibility | No |
| Cooling mode application (optional) | n/a |

| General Data | |
|---|---|
| Power supply | 1x230V 50Hz |

## Heating

| EN 14511-2 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Heat output | 12.00 kW | 11.87 kW |
| El input | 2.46 kW | 4.11 kW |
| COP | 4.87 | 2.89 |

| EN 14511-4 | |
|---|---|
| | |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

## Cooling

## EN 14511-2

| | **+7°C/+12°C** |
|---|---|
| El input | 4.34 kW |
| Cooling capacity | 12.92 |
| EER | 2.98 |

## EN 14825

| | **+7°C/+12°C** |
|---|---|
| Pdesignc | 12.90 kW |
| SEER | 5.86 |
| Pdc Tj = 35°C | 12.90 kW |
| EER Tj = 35°C | 2.96 |
| Pdc Tj = 30°C | 8.80 kW |
| EER Tj = 30°C | 4.77 |
| Cdc | 0.990 |
| Pdc Tj = 25°C | 6.20 kW |
| EER Tj = 25°C | 7.00 |
| Cdc | 0.970 |
| Pdc Tj = 20°C | 5.90 kW |
| EER Tj = 20°C | 8.88 |
| Cdc | 0.960 |
| Poff | 23 W |
| PTO | 23 W |
| PSB | 23 W |
| PCK | 0 W |
| Annual energy consumption Qce | 1314 kWh |

## Warmer Climate

| EN 12102-1 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

| EN 14825 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| $\eta_s$ | 239 % | 166 % |
| Prated | 11 kW | 12.1 kW |
| SCOP | 6.04 | 4.23 |
| Tbiv | 2 °C | 4 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 11.0 kW | 10.1 kW |
| COP Tj = +2°C | 3.51 | 2.20 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 7.4 kW | 7.6 kW |
| COP Tj = +7°C | 5.77 | 3.83 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |
| Pdh Tj = 12°C | 5.2 kW | 5.0 kW |
| COP Tj = 12°C | 7.73 | 5.69 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |

| | | |
|---|---|---|
| Pdh Tj = Tbiv | 11.0 kW | 11.1 kW |
| COP Tj = Tbiv | 3.51 | 2.65 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.95 kW | 10.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.51 | 2.20 |
| WTOL | 35 °C | 55 °C |
| Poff | 23 W | 23 W |
| PTO | 23 W | 23 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.05 kW | 2.04 kW |
| Annual energy consumption Qhe | 2431 kWh | 3818 kWh |

## Average Climate

| **EN 12102-1** | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Sound power level indoor | 44.0 dB(A) | 44.0 dB(A) |
| Sound power level outdoor | 62.0 dB(A) | 62.0 dB(A) |

| **EN 14825** | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| | | |

| | | |
|---|---|---|
| $\eta_s$ | 181 % | 126 % |
| Prated | 11 kW | 11 kW |
| SCOP | 4.60 | 3.22 |
| Tbiv | -7 °C | -5 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 9.8 kW | 8.5 kW |
| COP Tj = -7°C | 2.99 | 1.80 |
| Cdh Tj = -7 °C | n/a | 1.0 |
| Pdh Tj = +2°C | 6.1 kW | 6.2 kW |
| COP Tj = +2°C | 4.35 | 3.28 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 4.6 kW | 4.4 kW |
| COP Tj = +7°C | 6.70 | 4.88 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |
| Pdh Tj = 12°C | 5.4 kW | 5.3 kW |
| COP Tj = 12°C | 8.65 | 6.58 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |
| Pdh Tj = Tbiv | 9.8 kW | 8.9 kW |
| COP Tj = Tbiv | 2.99 | 1.87 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.1 kW | 7.0 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.71 | 1.76 |

| | | |
|---|---|---|
| WTOL | 35 °C | 55 °C |
| Poff | 23 W | 23 W |
| PTO | 23 W | 23 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.9 kW | 4.0 kW |
| Annual energy consumption Qhe | 4935 kWh | 7047 kWh |

## Domestic Hot Water (DHW)

## Warmer Climate

| **EN 16147** | |
|---|---|
| | |
| Declared load profile | L |
| Efficiency ηDHW | 139 % |
| COP | 3.26 |
| Heating up time | 1:16 h:min |
| Standby power input | 38.4 W |
| Reference hot water temperature | 52.7 °C |
| Mixed water at 40°C | 244.0 l |

## Average Climate

## EN 16147

| | |
|---|---|
| Declared load profile | L |
| Efficiency ηDHW | 116 % |
| COP | 2.73 |
| Heating up time | 1:21 h:min |
| Standby power input | 42.0 W |
| Reference hot water temperature | 52.7 °C |
| Mixed water at 40°C | 244.0 l |

# Model: ERLA14DW1 / EBBH16D(6V/9W)

| Configure model | |
|---|---|
| Model name | ERLA14DW1 / EBBH16D(6V/9W) |
| Application | Heating (medium temp) |
| Units | Indoor + Outdoor |
| Climate Zone | Warmer Climate |
| Reversibility | No |
| Cooling mode application (optional) | n/a |

| General Data | |
|---|---|
| Power supply | 3x400V 50Hz |

## Heating

| EN 14511-2 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Heat output | 12.00 kW | 11.87 kW |
| El input | 2.46 kW | 4.11 kW |
| COP | 4.87 | 2.89 |

| EN 14511-4 | |
|---|---|
| | |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

## Cooling

## EN 14511-2

| | **+7°C/+12°C** |
|---|---|
| El input | 4.34 kW |
| Cooling capacity | 12.92 |
| EER | 2.98 |

## EN 14825

| | **+7°C/+12°C** |
|---|---|
| Pdesignc | 12.90 kW |
| SEER | 5.86 |
| Pdc Tj = 35°C | 12.90 kW |
| EER Tj = 35°C | 2.96 |
| Pdc Tj = 30°C | 8.80 kW |
| EER Tj = 30°C | 4.77 |
| Cdc | 0.990 |
| Pdc Tj = 25°C | 6.20 kW |
| EER Tj = 25°C | 7.00 |
| Cdc | 0.970 |
| Pdc Tj = 20°C | 5.90 kW |
| EER Tj = 20°C | 8.88 |
| Cdc | 0.960 |
| Poff | 23 W |
| PTO | 23 W |
| PSB | 23 W |
| PCK | 0 W |
| Annual energy consumption Qce | 1314 kWh |

## Warmer Climate

| EN 12102-1 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

| EN 14825 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| $\eta_s$ | 239 % | 166 % |
| Prated | 11 kW | 12.1 kW |
| SCOP | 6.04 | 4.23 |
| Tbiv | 2 °C | 4 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 11.0 kW | 10.1 kW |
| COP Tj = +2°C | 3.51 | 2.20 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 7.4 kW | 7.6 kW |
| COP Tj = +7°C | 5.77 | 3.83 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |
| Pdh Tj = 12°C | 5.2 kW | 5.0 kW |
| COP Tj = 12°C | 7.73 | 5.69 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |

| | | |
|---|---|---|
| Pdh Tj = Tbiv | 11.0 kW | 11.1 kW |
| COP Tj = Tbiv | 3.51 | 2.65 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.95 kW | 10.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.51 | 2.20 |
| WTOL | 35 °C | 55 °C |
| Poff | 23 W | 23 W |
| PTO | 23 W | 23 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.05 kW | 2.04 kW |
| Annual energy consumption Qhe | 2431 kWh | 3818 kWh |

## Average Climate

| **EN 12102-1** | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Sound power level indoor | 44.0 dB(A) | 44.0 dB(A) |
| Sound power level outdoor | 62.0 dB(A) | 62.0 dB(A) |

| **EN 14825** | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| | | |

| | | |
|---|---|---|
| $\eta_s$ | 181 % | 126 % |
| Prated | 11 kW | 11 kW |
| SCOP | 4.60 | 3.22 |
| Tbiv | -7 °C | -5 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 9.8 kW | 8.5 kW |
| COP Tj = -7°C | 2.99 | 1.80 |
| Cdh Tj = -7 °C | n/a | 1.0 |
| Pdh Tj = +2°C | 6.1 kW | 6.2 kW |
| COP Tj = +2°C | 4.35 | 3.28 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 4.6 kW | 4.4 kW |
| COP Tj = +7°C | 6.70 | 4.88 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |
| Pdh Tj = 12°C | 5.4 kW | 5.3 kW |
| COP Tj = 12°C | 8.65 | 6.58 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |
| Pdh Tj = Tbiv | 9.8 kW | 8.9 kW |
| COP Tj = Tbiv | 2.99 | 1.87 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.1 kW | 7.0 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.71 | 1.76 |

| | | |
|---|---|---|
| WTOL | 35 °C | 55 °C |
| Poff | 23 W | 23 W |
| PTO | 23 W | 23 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.9 kW | 4.0 kW |
| Annual energy consumption Qhe | 4935 kWh | 7047 kWh |

# Model: ERLA14DW1 / EBBX16D(6V/9W)

| Configure model | |
|---|---|
| Model name | ERLA14DW1 / EBBX16D(6V/9W) |
| Application | Heating (medium temp) |
| Units | Indoor + Outdoor |
| Climate Zone | Warmer Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C |

| General Data | |
|---|---|
| Power supply | 3x400V 50Hz |

## Heating

| EN 14511-2 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Heat output | 12.00 kW | 11.87 kW |
| El input | 2.46 kW | 4.11 kW |
| COP | 4.87 | 2.89 |

| EN 14511-4 | |
|---|---|
| | |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

## Cooling

## EN 14511-2

| | **+7°C/+12°C** |
|---|---|
| El input | 4.34 kW |
| Cooling capacity | 12.92 |
| EER | 2.98 |

## EN 14825

| | **+7°C/+12°C** |
|---|---|
| Pdesignc | 12.90 kW |
| SEER | 5.86 |
| Pdc Tj = 35°C | 12.90 kW |
| EER Tj = 35°C | 2.96 |
| Pdc Tj = 30°C | 8.80 kW |
| EER Tj = 30°C | 4.77 |
| Cdc | 0.990 |
| Pdc Tj = 25°C | 6.20 kW |
| EER Tj = 25°C | 7.00 |
| Cdc | 0.970 |
| Pdc Tj = 20°C | 5.90 kW |
| EER Tj = 20°C | 8.88 |
| Cdc | 0.960 |
| Poff | 23 W |
| PTO | 23 W |
| PSB | 23 W |
| PCK | 0 W |
| Annual energy consumption Qce | 1314 kWh |

## Warmer Climate

| EN 12102-1 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

| EN 14825 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| $\eta_s$ | 249 % | 171 % |
| Prated | 11 kW | 12.1 kW |
| SCOP | 6.31 | 4.35 |
| Tbiv | 2 °C | 4 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 11.0 kW | 10.1 kW |
| COP Tj = +2°C | 3.51 | 2.20 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 7.4 kW | 7.6 kW |
| COP Tj = +7°C | 5.77 | 3.83 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |
| Pdh Tj = 12°C | 5.2 kW | 5.0 kW |
| COP Tj = 12°C | 7.73 | 5.69 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |

| | | |
|---|---|---|
| Pdh Tj = Tbiv | 11.0 kW | 11.1 kW |
| COP Tj = Tbiv | 3.51 | 2.65 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.95 kW | 10.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.51 | 2.20 |
| WTOL | 35 °C | 55 °C |
| Poff | 23 W | 23 W |
| PTO | 23 W | 23 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.05 kW | 2.04 kW |
| Annual energy consumption Qhe | 2330 kWh | 3717 kWh |

## Average Climate

| **EN 12102-1** | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Sound power level indoor | 44.0 dB(A) | 44.0 dB(A) |
| Sound power level outdoor | 62.0 dB(A) | 62.0 dB(A) |

| **EN 14825** | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| | | |

| | | |
|---|---|---|
| $\eta_s$ | 184 % | 128 % |
| Prated | 11 kW | 11 kW |
| SCOP | 4.68 | 3.26 |
| Tbiv | -7 °C | -5 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 9.8 kW | 8.5 kW |
| COP Tj = -7°C | 2.99 | 1.80 |
| Cdh Tj = -7 °C | n/a | 1.0 |
| Pdh Tj = +2°C | 6.1 kW | 6.2 kW |
| COP Tj = +2°C | 4.35 | 3.28 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 4.6 kW | 4.4 kW |
| COP Tj = +7°C | 6.70 | 4.88 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |
| Pdh Tj = 12°C | 5.4 kW | 5.3 kW |
| COP Tj = 12°C | 8.65 | 6.58 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |
| Pdh Tj = Tbiv | 9.8 kW | 8.9 kW |
| COP Tj = Tbiv | 2.99 | 1.87 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.1 kW | 7.0 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.71 | 1.76 |

| | | |
|---|---|---|
| WTOL | 35 °C | 55 °C |
| Poff | 23 W | 23 W |
| PTO | 23 W | 23 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.9 kW | 4.0 kW |
| Annual energy consumption Qhe | 4851 kWh | 6962 kWh |

# Model: ERLA14DW1 / EBVH16S18D(6V/9W)

| Configure model | |
|---|---|
| Model name | ERLA14DW1 / EBVH16S18D(6V/9W) |
| Application | Heating + DHW + low temp |
| Units | Indoor + Outdoor |
| Climate Zone | Warmer Climate |
| Reversibility | No |
| Cooling mode application (optional) | n/a |

| General Data | |
|---|---|
| Power supply | 3x400V 50Hz |

## Heating

| EN 14511-2 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Heat output | 12.00 kW | 11.87 kW |
| El input | 2.46 kW | 4.11 kW |
| COP | 4.87 | 2.89 |

| EN 14511-4 | |
|---|---|
| | |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

## Cooling

## EN 14511-2

| | **+7°C/+12°C** |
|---|---|
| El input | 4.34 kW |
| Cooling capacity | 12.92 |
| EER | 2.98 |

## EN 14825

| | **+7°C/+12°C** |
|---|---|
| Pdesignc | 12.90 kW |
| SEER | 5.86 |
| Pdc Tj = 35°C | 12.90 kW |
| EER Tj = 35°C | 2.96 |
| Pdc Tj = 30°C | 8.80 kW |
| EER Tj = 30°C | 4.77 |
| Cdc | 0.990 |
| Pdc Tj = 25°C | 6.20 kW |
| EER Tj = 25°C | 7.00 |
| Cdc | 0.970 |
| Pdc Tj = 20°C | 5.90 kW |
| EER Tj = 20°C | 8.88 |
| Cdc | 0.960 |
| Poff | 23 W |
| PTO | 23 W |
| PSB | 23 W |
| PCK | 0 W |
| Annual energy consumption Qce | 1314 kWh |

## Warmer Climate

| EN 12102-1 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

| EN 14825 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| $\eta_s$ | 239 % | 166 % |
| Prated | 11 kW | 12.1 kW |
| SCOP | 6.04 | 4.23 |
| Tbiv | 2 °C | 4 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 11.0 kW | 10.1 kW |
| COP Tj = +2°C | 3.51 | 2.20 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 7.4 kW | 7.6 kW |
| COP Tj = +7°C | 5.77 | 3.83 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |
| Pdh Tj = 12°C | 5.2 kW | 5.0 kW |
| COP Tj = 12°C | 7.73 | 5.69 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |

| | | |
|---|---|---|
| Pdh Tj = Tbiv | 11.0 kW | 11.1 kW |
| COP Tj = Tbiv | 3.51 | 2.65 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.95 kW | 10.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.51 | 2.20 |
| WTOL | 35 °C | 55 °C |
| Poff | 23 W | 23 W |
| PTO | 23 W | 23 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.05 kW | 2.04 kW |
| Annual energy consumption Qhe | 2431 kWh | 3818 kWh |

## Average Climate

| **EN 12102-1** | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Sound power level indoor | 44.0 dB(A) | 44.0 dB(A) |
| Sound power level outdoor | 62.0 dB(A) | 62.0 dB(A) |

| **EN 14825** | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| | | |

| | | |
|---|---|---|
| $\eta_s$ | 181 % | 126 % |
| Prated | 11 kW | 11 kW |
| SCOP | 4.60 | 3.22 |
| Tbiv | -7 °C | -5 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 9.8 kW | 8.5 kW |
| COP Tj = -7°C | 2.99 | 1.80 |
| Cdh Tj = -7 °C | n/a | 1.0 |
| Pdh Tj = +2°C | 6.1 kW | 6.2 kW |
| COP Tj = +2°C | 4.35 | 3.28 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 4.6 kW | 4.4 kW |
| COP Tj = +7°C | 6.70 | 4.88 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |
| Pdh Tj = 12°C | 5.4 kW | 5.3 kW |
| COP Tj = 12°C | 8.65 | 6.58 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |
| Pdh Tj = Tbiv | 9.8 kW | 8.9 kW |
| COP Tj = Tbiv | 2.99 | 1.87 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.1 kW | 7.0 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.71 | 1.76 |

| | | |
|---|---|---|
| WTOL | 35 °C | 55 °C |
| Poff | 23 W | 23 W |
| PTO | 23 W | 23 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.9 kW | 4.0 kW |
| Annual energy consumption Qhe | 4935 kWh | 7047 kWh |

## Domestic Hot Water (DHW)

## Warmer Climate

| **EN 16147** | |
|---|---|
| | |
| Declared load profile | L |
| Efficiency ηDHW | 139 % |
| COP | 3.26 |
| Heating up time | 1:16 h:min |
| Standby power input | 38.4 W |
| Reference hot water temperature | 52.7 °C |
| Mixed water at 40°C | 244.0 l |

## Average Climate

## EN 16147

| | |
|---|---|
| Declared load profile | L |
| Efficiency ηDHW | 116 % |
| COP | 2.73 |
| Heating up time | 1:21 h:min |
| Standby power input | 42.0 W |
| Reference hot water temperature | 52.7 °C |
| Mixed water at 40°C | 244.0 l |

# Model: ERLA14DW1 / EBVX16S18D(6V/9W)

| Configure model | |
|---|---|
| Model name | ERLA14DW1 / EBVX16S18D(6V/9W) |
| Application | Heating + DHW + low temp |
| Units | Indoor + Outdoor |
| Climate Zone | Warmer Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C |

| General Data | |
|---|---|
| Power supply | 3x400V 50Hz |

## Heating

| EN 14511-2 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Heat output | 12.00 kW | 11.87 kW |
| El input | 2.46 kW | 4.11 kW |
| COP | 4.87 | 2.89 |

| EN 14511-4 | |
|---|---|
| | |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

## Cooling

## EN 14511-2

| | **+7°C/+12°C** |
|---|---|
| El input | 4.34 kW |
| Cooling capacity | 12.92 |
| EER | 2.98 |

## EN 14825

| | **+7°C/+12°C** |
|---|---|
| Pdesignc | 12.90 kW |
| SEER | 5.86 |
| Pdc Tj = 35°C | 12.90 kW |
| EER Tj = 35°C | 2.96 |
| Pdc Tj = 30°C | 8.80 kW |
| EER Tj = 30°C | 4.77 |
| Cdc | 0.990 |
| Pdc Tj = 25°C | 6.20 kW |
| EER Tj = 25°C | 7.00 |
| Cdc | 0.970 |
| Pdc Tj = 20°C | 5.90 kW |
| EER Tj = 20°C | 8.88 |
| Cdc | 0.960 |
| Poff | 23 W |
| PTO | 23 W |
| PSB | 23 W |
| PCK | 0 W |
| Annual energy consumption Qce | 1314 kWh |

## Warmer Climate

| EN 12102-1 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

| EN 14825 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| $\eta_s$ | 249 % | 171 % |
| Prated | 11 kW | 12.1 kW |
| SCOP | 6.31 | 4.35 |
| Tbiv | 2 °C | 4 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 11.0 kW | 10.1 kW |
| COP Tj = +2°C | 3.51 | 2.20 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 7.4 kW | 7.6 kW |
| COP Tj = +7°C | 5.77 | 3.83 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |
| Pdh Tj = 12°C | 5.2 kW | 5.0 kW |
| COP Tj = 12°C | 7.73 | 5.69 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |

| | | |
|---|---|---|
| Pdh Tj = Tbiv | 11.0 kW | 11.1 kW |
| COP Tj = Tbiv | 3.51 | 2.65 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.95 kW | 10.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.51 | 2.20 |
| WTOL | 35 °C | 55 °C |
| Poff | 23 W | 23 W |
| PTO | 23 W | 23 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.05 kW | 2.04 kW |
| Annual energy consumption Qhe | 2330 kWh | 3717 kWh |

## Average Climate

| **EN 12102-1** | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Sound power level indoor | 44.0 dB(A) | 44.0 dB(A) |
| Sound power level outdoor | 62.0 dB(A) | 62.0 dB(A) |

| **EN 14825** | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| | | |

| | | |
|---|---|---|
| $\eta_s$ | 184 % | 128 % |
| Prated | 11 kW | 11 kW |
| SCOP | 4.68 | 3.26 |
| Tbiv | -7 °C | -5 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 9.8 kW | 8.5 kW |
| COP Tj = -7°C | 2.99 | 1.80 |
| Cdh Tj = -7 °C | n/a | 1.0 |
| Pdh Tj = +2°C | 6.1 kW | 6.2 kW |
| COP Tj = +2°C | 4.35 | 3.28 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 4.6 kW | 4.4 kW |
| COP Tj = +7°C | 6.70 | 4.88 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |
| Pdh Tj = 12°C | 5.4 kW | 5.3 kW |
| COP Tj = 12°C | 8.65 | 6.58 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |
| Pdh Tj = Tbiv | 9.8 kW | 8.9 kW |
| COP Tj = Tbiv | 2.99 | 1.87 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.1 kW | 7.0 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.71 | 1.76 |

| | | |
|---|---|---|
| WTOL | 35 °C | 55 °C |
| Poff | 23 W | 23 W |
| PTO | 23 W | 23 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.9 kW | 4.0 kW |
| Annual energy consumption Qhe | 4851 kWh | 6962 kWh |

## Domestic Hot Water (DHW)

## Warmer Climate

| **EN 16147** | |
|---|---|
| | |
| Declared load profile | L |
| Efficiency ηDHW | 139 % |
| COP | 3.26 |
| Heating up time | 1:16 h:min |
| Standby power input | 38.4 W |
| Reference hot water temperature | 52.7 °C |
| Mixed water at 40°C | 244.0 l |

## Average Climate

## EN 16147

| | |
|---|---|
| Declared load profile | L |
| Efficiency ηDHW | 116 % |
| COP | 2.73 |
| Heating up time | 1:21 h:min |
| Standby power input | 42.0 W |
| Reference hot water temperature | 52.7 °C |
| Mixed water at 40°C | 244.0 l |

# Model: ERLA14DW1 / EBVZ16S18D(6V/9W)

| Configure model | |
|---|---|
| Model name | ERLA14DW1 / EBVZ16S18D(6V/9W) |
| Application | Heating + DHW + low temp |
| Units | Indoor + Outdoor |
| Climate Zone | Warmer Climate |
| Reversibility | No |
| Cooling mode application (optional) | n/a |

| General Data | |
|---|---|
| Power supply | 3x400V 50Hz |

## Heating

| EN 14511-2 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Heat output | 12.00 kW | 11.87 kW |
| El input | 2.46 kW | 4.11 kW |
| COP | 4.87 | 2.89 |

| EN 14511-4 | |
|---|---|
| | |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

## Cooling

## EN 14511-2

| | **+7°C/+12°C** |
|---|---|
| El input | 4.34 kW |
| Cooling capacity | 12.92 |
| EER | 2.98 |

## EN 14825

| | **+7°C/+12°C** |
|---|---|
| Pdesignc | 12.90 kW |
| SEER | 5.86 |
| Pdc Tj = 35°C | 12.90 kW |
| EER Tj = 35°C | 2.96 |
| Pdc Tj = 30°C | 8.80 kW |
| EER Tj = 30°C | 4.77 |
| Cdc | 0.990 |
| Pdc Tj = 25°C | 6.20 kW |
| EER Tj = 25°C | 7.00 |
| Cdc | 0.970 |
| Pdc Tj = 20°C | 5.90 kW |
| EER Tj = 20°C | 8.88 |
| Cdc | 0.960 |
| Poff | 23 W |
| PTO | 23 W |
| PSB | 23 W |
| PCK | 0 W |
| Annual energy consumption Qce | 1314 kWh |

## Warmer Climate

## EN 12102-1

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

## EN 14825

| | Low temperature | Medium temperature |
|---|---|---|
| $\eta_s$ | 239 % | 166 % |
| Prated | 11 kW | 12.1 kW |
| SCOP | 6.04 | 4.23 |
| Tbiv | 2 °C | 4 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 11.0 kW | 10.1 kW |
| COP Tj = +2°C | 3.51 | 2.20 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 7.4 kW | 7.6 kW |
| COP Tj = +7°C | 5.77 | 3.83 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |
| Pdh Tj = 12°C | 5.2 kW | 5.0 kW |
| COP Tj = 12°C | 7.73 | 5.69 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |

| | | |
|---|---|---|
| Pdh Tj = Tbiv | 11.0 kW | 11.1 kW |
| COP Tj = Tbiv | 3.51 | 2.65 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.95 kW | 10.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.51 | 2.20 |
| WTOL | 35 °C | 55 °C |
| Poff | 23 W | 23 W |
| PTO | 23 W | 23 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.05 kW | 2.04 kW |
| Annual energy consumption Qhe | 2431 kWh | 3818 kWh |

## Average Climate

| **EN 12102-1** | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Sound power level indoor | 44.0 dB(A) | 44.0 dB(A) |
| Sound power level outdoor | 62.0 dB(A) | 62.0 dB(A) |

| **EN 14825** | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| | | |

| | | |
|---|---|---|
| $\eta_s$ | 181 % | 126 % |
| Prated | 11 kW | 11 kW |
| SCOP | 4.60 | 3.22 |
| Tbiv | -7 °C | -5 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 9.8 kW | 8.5 kW |
| COP Tj = -7°C | 2.99 | 1.80 |
| Cdh Tj = -7 °C | n/a | 1.0 |
| Pdh Tj = +2°C | 6.1 kW | 6.2 kW |
| COP Tj = +2°C | 4.35 | 3.28 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 4.6 kW | 4.4 kW |
| COP Tj = +7°C | 6.70 | 4.88 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |
| Pdh Tj = 12°C | 5.4 kW | 5.3 kW |
| COP Tj = 12°C | 8.65 | 6.58 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |
| Pdh Tj = Tbiv | 9.8 kW | 8.9 kW |
| COP Tj = Tbiv | 2.99 | 1.87 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.1 kW | 7.0 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.71 | 1.76 |

| | | |
|---|---|---|
| WTOL | 35 °C | 55 °C |
| Poff | 23 W | 23 W |
| PTO | 23 W | 23 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.9 kW | 4.0 kW |
| Annual energy consumption Qhe | 4935 kWh | 7047 kWh |

## Domestic Hot Water (DHW)

## Warmer Climate

| **EN 16147** | |
|---|---|
| | |
| Declared load profile | L |
| Efficiency ηDHW | 139 % |
| COP | 3.26 |
| Heating up time | 1:16 h:min |
| Standby power input | 38.4 W |
| Reference hot water temperature | 52.7 °C |
| Mixed water at 40°C | 244.0 l |

## Average Climate

## EN 16147

| | |
|---|---|
| Declared load profile | L |
| Efficiency ηDHW | 116 % |
| COP | 2.73 |
| Heating up time | 1:21 h:min |
| Standby power input | 42.0 W |
| Reference hot water temperature | 52.7 °C |
| Mixed water at 40°C | 244.0 l |

# Model: ERLA14DV3 / EBBH16D(6V/9W) + cooling kit

| Configure model | |
|---|---|
| Model name | ERLA14DV3 / EBBH16D(6V/9W) + cooling kit |
| Application | Heating (medium temp) |
| Units | Indoor + Outdoor |
| Climate Zone | Warmer Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C |

| General Data | |
|---|---|
| Power supply | 1x230V 50Hz |

## Heating

| EN 14511-2 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Heat output | 12.00 kW | 11.87 kW |
| El input | 2.46 kW | 4.11 kW |
| COP | 4.87 | 2.89 |

| EN 14511-4 | |
|---|---|
| | |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

## Cooling

## EN 14511-2

| | **+7°C/+12°C** |
|---|---|
| El input | 4.34 kW |
| Cooling capacity | 12.92 |
| EER | 2.98 |

## EN 14825

| | **+7°C/+12°C** |
|---|---|
| Pdesignc | 12.90 kW |
| SEER | 5.86 |
| Pdc Tj = 35°C | 12.90 kW |
| EER Tj = 35°C | 2.96 |
| Pdc Tj = 30°C | 8.80 kW |
| EER Tj = 30°C | 4.77 |
| Cdc | 0.990 |
| Pdc Tj = 25°C | 6.20 kW |
| EER Tj = 25°C | 7.00 |
| Cdc | 0.970 |
| Pdc Tj = 20°C | 5.90 kW |
| EER Tj = 20°C | 8.88 |
| Cdc | 0.960 |
| Poff | 23 W |
| PTO | 23 W |
| PSB | 23 W |
| PCK | 0 W |
| Annual energy consumption Qce | 1314 kWh |

## Warmer Climate

| EN 12102-1 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

| EN 14825 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| $\eta_s$ | 249 % | 171 % |
| Prated | 11 kW | 12.1 kW |
| SCOP | 6.31 | 4.35 |
| Tbiv | 2 °C | 4 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 11.0 kW | 10.1 kW |
| COP Tj = +2°C | 3.51 | 2.20 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 7.4 kW | 7.6 kW |
| COP Tj = +7°C | 5.77 | 3.83 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |
| Pdh Tj = 12°C | 5.2 kW | 5.0 kW |
| COP Tj = 12°C | 7.73 | 5.69 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |

| | | |
|---|---|---|
| Pdh Tj = Tbiv | 11.0 kW | 11.1 kW |
| COP Tj = Tbiv | 3.51 | 2.65 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.95 kW | 10.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.51 | 2.20 |
| WTOL | 35 °C | 55 °C |
| Poff | 23 W | 23 W |
| PTO | 23 W | 23 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.05 kW | 2.04 kW |
| Annual energy consumption Qhe | 2330 kWh | 3717 kWh |

## Average Climate

| **EN 12102-1** | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Sound power level indoor | 44.0 dB(A) | 44.0 dB(A) |
| Sound power level outdoor | 62.0 dB(A) | 62.0 dB(A) |

| **EN 14825** | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| | | |

| | | |
|---|---|---|
| $\eta_s$ | 184 % | 128 % |
| Prated | 11 kW | 11 kW |
| SCOP | 4.68 | 3.26 |
| Tbiv | -7 °C | -5 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 9.8 kW | 8.5 kW |
| COP Tj = -7°C | 2.99 | 1.80 |
| Cdh Tj = -7 °C | n/a | 1.0 |
| Pdh Tj = +2°C | 6.1 kW | 6.2 kW |
| COP Tj = +2°C | 4.35 | 3.28 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 4.6 kW | 4.4 kW |
| COP Tj = +7°C | 6.70 | 4.88 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |
| Pdh Tj = 12°C | 5.4 kW | 5.3 kW |
| COP Tj = 12°C | 8.65 | 6.58 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |
| Pdh Tj = Tbiv | 9.8 kW | 8.9 kW |
| COP Tj = Tbiv | 2.99 | 1.87 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.1 kW | 7.0 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.71 | 1.76 |

| | | |
|---|---|---|
| WTOL | 35 °C | 55 °C |
| Poff | 23 W | 23 W |
| PTO | 23 W | 23 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.9 kW | 4.0 kW |
| Annual energy consumption Qhe | 4851 kWh | 6962 kWh |

# Model: ERLA14DV3 / EBVH16S18D(6V/9W) + cooling kit

| Configure model | |
|---|---|
| Model name | ERLA14DV3 / EBVH16S18D(6V/9W) + cooling kit |
| Application | Heating + DHW + low temp |
| Units | Indoor + Outdoor |
| Climate Zone | Warmer Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C |

| General Data | |
|---|---|
| Power supply | 1x230V 50Hz |

## Heating

| EN 14511-2 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Heat output | 12.00 kW | 11.87 kW |
| El input | 2.46 kW | 4.11 kW |
| COP | 4.87 | 2.89 |

| EN 14511-4 | |
|---|---|
| | |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

## Cooling

## EN 14511-2

| | **+7°C/+12°C** |
|---|---|
| El input | 4.34 kW |
| Cooling capacity | 12.92 |
| EER | 2.98 |

## EN 14825

| | **+7°C/+12°C** |
|---|---|
| Pdesignc | 12.90 kW |
| SEER | 5.86 |
| Pdc Tj = 35°C | 12.90 kW |
| EER Tj = 35°C | 2.96 |
| Pdc Tj = 30°C | 8.80 kW |
| EER Tj = 30°C | 4.77 |
| Cdc | 0.990 |
| Pdc Tj = 25°C | 6.20 kW |
| EER Tj = 25°C | 7.00 |
| Cdc | 0.970 |
| Pdc Tj = 20°C | 5.90 kW |
| EER Tj = 20°C | 8.88 |
| Cdc | 0.960 |
| Poff | 23 W |
| PTO | 23 W |
| PSB | 23 W |
| PCK | 0 W |
| Annual energy consumption Qce | 1314 kWh |

## Warmer Climate

| EN 12102-1 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

| EN 14825 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| $\eta_s$ | 249 % | 171 % |
| Prated | 11 kW | 12.1 kW |
| SCOP | 6.31 | 4.35 |
| Tbiv | 2 °C | 4 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 11.0 kW | 10.1 kW |
| COP Tj = +2°C | 3.51 | 2.20 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 7.4 kW | 7.6 kW |
| COP Tj = +7°C | 5.77 | 3.83 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |
| Pdh Tj = 12°C | 5.2 kW | 5.0 kW |
| COP Tj = 12°C | 7.73 | 5.69 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |

| | | |
|---|---|---|
| Pdh Tj = Tbiv | 11.0 kW | 11.1 kW |
| COP Tj = Tbiv | 3.51 | 2.65 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.95 kW | 10.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.51 | 2.20 |
| WTOL | 35 °C | 55 °C |
| Poff | 23 W | 23 W |
| PTO | 23 W | 23 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.05 kW | 2.04 kW |
| Annual energy consumption Qhe | 2330 kWh | 3717 kWh |

## Average Climate

| **EN 12102-1** | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Sound power level indoor | 44.0 dB(A) | 44.0 dB(A) |
| Sound power level outdoor | 62.0 dB(A) | 62.0 dB(A) |

| **EN 14825** | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| | | |

| | | |
|---|---|---|
| $\eta_s$ | 184 % | 128 % |
| Prated | 11 kW | 11 kW |
| SCOP | 4.68 | 3.26 |
| Tbiv | -7 °C | -5 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 9.8 kW | 8.5 kW |
| COP Tj = -7°C | 2.99 | 1.80 |
| Cdh Tj = -7 °C | n/a | 1.0 |
| Pdh Tj = +2°C | 6.1 kW | 6.2 kW |
| COP Tj = +2°C | 4.35 | 3.28 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 4.6 kW | 4.4 kW |
| COP Tj = +7°C | 6.70 | 4.88 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |
| Pdh Tj = 12°C | 5.4 kW | 5.3 kW |
| COP Tj = 12°C | 8.65 | 6.58 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |
| Pdh Tj = Tbiv | 9.8 kW | 8.9 kW |
| COP Tj = Tbiv | 2.99 | 1.87 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.1 kW | 7.0 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.71 | 1.76 |

| | | |
|---|---|---|
| WTOL | 35 °C | 55 °C |
| Poff | 23 W | 23 W |
| PTO | 23 W | 23 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.9 kW | 4.0 kW |
| Annual energy consumption Qhe | 4851 kWh | 6962 kWh |

## Domestic Hot Water (DHW)

## Warmer Climate

| **EN 16147** | |
|---|---|
| | |
| Declared load profile | L |
| Efficiency ηDHW | 139 % |
| COP | 3.26 |
| Heating up time | 1:16 h:min |
| Standby power input | 38.4 W |
| Reference hot water temperature | 52.7 °C |
| Mixed water at 40°C | 244.0 l |

## Average Climate

## EN 16147

| | |
|---|---|
| Declared load profile | L |
| Efficiency ηDHW | 116 % |
| COP | 2.73 |
| Heating up time | 1:21 h:min |
| Standby power input | 42.0 W |
| Reference hot water temperature | 52.7 °C |
| Mixed water at 40°C | 244.0 l |

# Model: ERLA14DW1 / EBBH16D(6V/9W) + cooling kit

| Configure model | |
|---|---|
| Model name | ERLA14DW1 / EBBH16D(6V/9W) + cooling kit |
| Application | Heating (medium temp) |
| Units | Indoor + Outdoor |
| Climate Zone | Warmer Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C |

| General Data | |
|---|---|
| Power supply | 3x400V 50Hz |

## Heating

| EN 14511-2 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Heat output | 12.00 kW | 11.87 kW |
| El input | 2.46 kW | 4.11 kW |
| COP | 4.87 | 2.89 |

| EN 14511-4 | |
|---|---|
| | |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

## Cooling

## EN 14511-2

| | **+7°C/+12°C** |
|---|---|
| El input | 4.34 kW |
| Cooling capacity | 12.92 |
| EER | 2.98 |

## EN 14825

| | **+7°C/+12°C** |
|---|---|
| Pdesignc | 12.90 kW |
| SEER | 5.86 |
| Pdc Tj = 35°C | 12.90 kW |
| EER Tj = 35°C | 2.96 |
| Pdc Tj = 30°C | 8.80 kW |
| EER Tj = 30°C | 4.77 |
| Cdc | 0.990 |
| Pdc Tj = 25°C | 6.20 kW |
| EER Tj = 25°C | 7.00 |
| Cdc | 0.970 |
| Pdc Tj = 20°C | 5.90 kW |
| EER Tj = 20°C | 8.88 |
| Cdc | 0.960 |
| Poff | 23 W |
| PTO | 23 W |
| PSB | 23 W |
| PCK | 0 W |
| Annual energy consumption Qce | 1314 kWh |

## Warmer Climate

| EN 12102-1 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

| EN 14825 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| $\eta_s$ | 249 % | 171 % |
| Prated | 11 kW | 12.1 kW |
| SCOP | 6.31 | 4.35 |
| Tbiv | 2 °C | 4 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 11.0 kW | 10.1 kW |
| COP Tj = +2°C | 3.51 | 2.20 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 7.4 kW | 7.6 kW |
| COP Tj = +7°C | 5.77 | 3.83 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |
| Pdh Tj = 12°C | 5.2 kW | 5.0 kW |
| COP Tj = 12°C | 7.73 | 5.69 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |

| | | |
|---|---|---|
| Pdh Tj = Tbiv | 11.0 kW | 11.1 kW |
| COP Tj = Tbiv | 3.51 | 2.65 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.95 kW | 10.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.51 | 2.20 |
| WTOL | 35 °C | 55 °C |
| Poff | 23 W | 23 W |
| PTO | 23 W | 23 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.05 kW | 2.04 kW |
| Annual energy consumption Qhe | 2330 kWh | 3717 kWh |

## Average Climate

| **EN 12102-1** | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Sound power level indoor | 44.0 dB(A) | 44.0 dB(A) |
| Sound power level outdoor | 62.0 dB(A) | 62.0 dB(A) |

| **EN 14825** | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| | | |

| | | |
|---|---|---|
| $\eta_s$ | 184 % | 128 % |
| Prated | 11 kW | 11 kW |
| SCOP | 4.68 | 3.26 |
| Tbiv | -7 °C | -5 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 9.8 kW | 8.5 kW |
| COP Tj = -7°C | 2.99 | 1.80 |
| Cdh Tj = -7 °C | n/a | 1.0 |
| Pdh Tj = +2°C | 6.1 kW | 6.2 kW |
| COP Tj = +2°C | 4.35 | 3.28 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 4.6 kW | 4.4 kW |
| COP Tj = +7°C | 6.70 | 4.88 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |
| Pdh Tj = 12°C | 5.4 kW | 5.3 kW |
| COP Tj = 12°C | 8.65 | 6.58 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |
| Pdh Tj = Tbiv | 9.8 kW | 8.9 kW |
| COP Tj = Tbiv | 2.99 | 1.87 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.1 kW | 7.0 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.71 | 1.76 |

| | | |
|---|---|---|
| WTOL | 35 °C | 55 °C |
| Poff | 23 W | 23 W |
| PTO | 23 W | 23 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.9 kW | 4.0 kW |
| Annual energy consumption Qhe | 4851 kWh | 6962 kWh |

# Model: ERLA14DW1 / EBVH16S18D(6V/9W) + cooling kit

| Configure model | |
|---|---|
| Model name | ERLA14DW1 / EBVH16S18D(6V/9W) + cooling kit |
| Application | Heating + DHW + low temp |
| Units | Indoor + Outdoor |
| Climate Zone | Warmer Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C |

| General Data | |
|---|---|
| Power supply | 3x400V 50Hz |

## Heating

| EN 14511-2 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Heat output | 12.00 kW | 11.87 kW |
| El input | 2.46 kW | 4.11 kW |
| COP | 4.87 | 2.89 |

| EN 14511-4 | |
|---|---|
| | |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

## Cooling

## EN 14511-2

| | **+7°C/+12°C** |
|---|---|
| El input | 4.34 kW |
| Cooling capacity | 12.92 |
| EER | 2.98 |

## EN 14825

| | **+7°C/+12°C** |
|---|---|
| Pdesignc | 12.90 kW |
| SEER | 5.86 |
| Pdc Tj = 35°C | 12.90 kW |
| EER Tj = 35°C | 2.96 |
| Pdc Tj = 30°C | 8.80 kW |
| EER Tj = 30°C | 4.77 |
| Cdc | 0.990 |
| Pdc Tj = 25°C | 6.20 kW |
| EER Tj = 25°C | 7.00 |
| Cdc | 0.970 |
| Pdc Tj = 20°C | 5.90 kW |
| EER Tj = 20°C | 8.88 |
| Cdc | 0.960 |
| Poff | 23 W |
| PTO | 23 W |
| PSB | 23 W |
| PCK | 0 W |
| Annual energy consumption Qce | 1314 kWh |

## Warmer Climate

| EN 12102-1 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

| EN 14825 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| $\eta_s$ | 249 % | 171 % |
| Prated | 11 kW | 12.1 kW |
| SCOP | 6.31 | 4.35 |
| Tbiv | 2 °C | 4 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 11.0 kW | 10.1 kW |
| COP Tj = +2°C | 3.51 | 2.20 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 7.4 kW | 7.6 kW |
| COP Tj = +7°C | 5.77 | 3.83 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |
| Pdh Tj = 12°C | 5.2 kW | 5.0 kW |
| COP Tj = 12°C | 7.73 | 5.69 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |

| | | |
|---|---|---|
| Pdh Tj = Tbiv | 11.0 kW | 11.1 kW |
| COP Tj = Tbiv | 3.51 | 2.65 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.95 kW | 10.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.51 | 2.20 |
| WTOL | 35 °C | 55 °C |
| Poff | 23 W | 23 W |
| PTO | 23 W | 23 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.05 kW | 2.04 kW |
| Annual energy consumption Qhe | 2330 kWh | 3717 kWh |

## Average Climate

| **EN 12102-1** | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Sound power level indoor | 44.0 dB(A) | 44.0 dB(A) |
| Sound power level outdoor | 62.0 dB(A) | 62.0 dB(A) |

| **EN 14825** | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| | | |

| | | |
|---|---|---|
| $\eta_s$ | 184 % | 128 % |
| Prated | 11 kW | 11 kW |
| SCOP | 4.68 | 3.26 |
| Tbiv | -7 °C | -5 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 9.8 kW | 8.5 kW |
| COP Tj = -7°C | 2.99 | 1.80 |
| Cdh Tj = -7 °C | n/a | 1.0 |
| Pdh Tj = +2°C | 6.1 kW | 6.2 kW |
| COP Tj = +2°C | 4.35 | 3.28 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 4.6 kW | 4.4 kW |
| COP Tj = +7°C | 6.70 | 4.88 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |
| Pdh Tj = 12°C | 5.4 kW | 5.3 kW |
| COP Tj = 12°C | 8.65 | 6.58 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |
| Pdh Tj = Tbiv | 9.8 kW | 8.9 kW |
| COP Tj = Tbiv | 2.99 | 1.87 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.1 kW | 7.0 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.71 | 1.76 |

| | | |
|---|---|---|
| WTOL | 35 °C | 55 °C |
| Poff | 23 W | 23 W |
| PTO | 23 W | 23 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.9 kW | 4.0 kW |
| Annual energy consumption Qhe | 4851 kWh | 6962 kWh |

## Domestic Hot Water (DHW)

## Warmer Climate

| **EN 16147** | |
|---|---|
| | |
| Declared load profile | L |
| Efficiency ηDHW | 139 % |
| COP | 3.26 |
| Heating up time | 1:16 h:min |
| Standby power input | 38.4 W |
| Reference hot water temperature | 52.7 °C |
| Mixed water at 40°C | 244.0 l |

## Average Climate

## EN 16147

| | |
|---|---|
| Declared load profile | L |
| Efficiency ηDHW | 116 % |
| COP | 2.73 |
| Heating up time | 1:21 h:min |
| Standby power input | 42.0 W |
| Reference hot water temperature | 52.7 °C |
| Mixed water at 40°C | 244.0 l |

# Model: ERLA14DV3 / EBVZ16S18D(6V/9W) + cooling kit

| Configure model | |
|---|---|
| Model name | ERLA14DV3 / EBVZ16S18D(6V/9W) + cooling kit |
| Application | Heating + DHW + low temp |
| Units | Indoor + Outdoor |
| Climate Zone | Warmer Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C |

| General Data | |
|---|---|
| Power supply | 1x230V 50Hz |

## Heating

| EN 14511-2 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Heat output | 12.00 kW | 11.87 kW |
| El input | 2.46 kW | 4.11 kW |
| COP | 4.87 | 2.89 |

| EN 14511-4 | |
|---|---|
| | |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

## Cooling

## EN 14511-2

| | **+7°C/+12°C** |
|---|---|
| El input | 4.34 kW |
| Cooling capacity | 12.92 |
| EER | 2.98 |

## EN 14825

| | **+7°C/+12°C** |
|---|---|
| Pdesignc | 12.90 kW |
| SEER | 5.86 |
| Pdc Tj = 35°C | 12.90 kW |
| EER Tj = 35°C | 2.96 |
| Pdc Tj = 30°C | 8.80 kW |
| EER Tj = 30°C | 4.77 |
| Cdc | 0.990 |
| Pdc Tj = 25°C | 6.20 kW |
| EER Tj = 25°C | 7.00 |
| Cdc | 0.970 |
| Pdc Tj = 20°C | 5.90 kW |
| EER Tj = 20°C | 8.88 |
| Cdc | 0.960 |
| Poff | 23 W |
| PTO | 23 W |
| PSB | 23 W |
| PCK | 0 W |
| Annual energy consumption Qce | 1314 kWh |

## Warmer Climate

| EN 12102-1 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

| EN 14825 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| $\eta_s$ | 249 % | 171 % |
| Prated | 11 kW | 12.1 kW |
| SCOP | 6.31 | 4.35 |
| Tbiv | 2 °C | 4 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 11.0 kW | 10.1 kW |
| COP Tj = +2°C | 3.51 | 2.20 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 7.4 kW | 7.6 kW |
| COP Tj = +7°C | 5.77 | 3.83 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |
| Pdh Tj = 12°C | 5.2 kW | 5.0 kW |
| COP Tj = 12°C | 7.73 | 5.69 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |

| | | |
|---|---|---|
| Pdh Tj = Tbiv | 11.0 kW | 11.1 kW |
| COP Tj = Tbiv | 3.51 | 2.65 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.95 kW | 10.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.51 | 2.20 |
| WTOL | 35 °C | 55 °C |
| Poff | 23 W | 23 W |
| PTO | 23 W | 23 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.05 kW | 2.04 kW |
| Annual energy consumption Qhe | 2330 kWh | 3717 kWh |

## Average Climate

| **EN 12102-1** | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Sound power level indoor | 44.0 dB(A) | 44.0 dB(A) |
| Sound power level outdoor | 62.0 dB(A) | 62.0 dB(A) |

| **EN 14825** | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| | | |

| | | |
|---|---|---|
| $\eta_s$ | 184 % | 128 % |
| Prated | 11 kW | 11 kW |
| SCOP | 4.68 | 3.26 |
| Tbiv | -7 °C | -5 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 9.8 kW | 8.5 kW |
| COP Tj = -7°C | 2.99 | 1.80 |
| Cdh Tj = -7 °C | n/a | 1.0 |
| Pdh Tj = +2°C | 6.1 kW | 6.2 kW |
| COP Tj = +2°C | 4.35 | 3.28 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 4.6 kW | 4.4 kW |
| COP Tj = +7°C | 6.70 | 4.88 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |
| Pdh Tj = 12°C | 5.4 kW | 5.3 kW |
| COP Tj = 12°C | 8.65 | 6.58 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |
| Pdh Tj = Tbiv | 9.8 kW | 8.9 kW |
| COP Tj = Tbiv | 2.99 | 1.87 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.1 kW | 7.0 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.71 | 1.76 |

| | | |
|---|---|---|
| WTOL | 35 °C | 55 °C |
| Poff | 23 W | 23 W |
| PTO | 23 W | 23 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.9 kW | 4.0 kW |
| Annual energy consumption Qhe | 4851 kWh | 6962 kWh |

## Domestic Hot Water (DHW)

## Warmer Climate

| **EN 16147** | |
|---|---|
| | |
| Declared load profile | L |
| Efficiency ηDHW | 139 % |
| COP | 3.26 |
| Heating up time | 1:16 h:min |
| Standby power input | 38.4 W |
| Reference hot water temperature | 52.7 °C |
| Mixed water at 40°C | 244.0 l |

## Average Climate

## EN 16147

| | |
|---|---|
| Declared load profile | L |
| Efficiency ηDHW | 116 % |
| COP | 2.73 |
| Heating up time | 1:21 h:min |
| Standby power input | 42.0 W |
| Reference hot water temperature | 52.7 °C |
| Mixed water at 40°C | 244.0 l |

# Model: ERLA14DW1 / EBVZ16S18D(6V/9W) + cooling kit

| Configure model | |
|---|---|
| Model name | ERLA14DW1 / EBVZ16S18D(6V/9W) + cooling kit |
| Application | Heating + DHW + low temp |
| Units | Indoor + Outdoor |
| Climate Zone | Warmer Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C |

| General Data | |
|---|---|
| Power supply | 3x400V 50Hz |

## Heating

| EN 14511-2 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Heat output | 12.00 kW | 11.87 kW |
| El input | 2.46 kW | 4.11 kW |
| COP | 4.87 | 2.89 |

| EN 14511-4 | |
|---|---|
| | |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

## Cooling

## EN 14511-2

| | **+7°C/+12°C** |
|---|---|
| El input | 4.34 kW |
| Cooling capacity | 12.92 |
| EER | 2.98 |

## EN 14825

| | **+7°C/+12°C** |
|---|---|
| Pdesignc | 12.90 kW |
| SEER | 5.86 |
| Pdc Tj = 35°C | 12.90 kW |
| EER Tj = 35°C | 2.96 |
| Pdc Tj = 30°C | 8.80 kW |
| EER Tj = 30°C | 4.77 |
| Cdc | 0.990 |
| Pdc Tj = 25°C | 6.20 kW |
| EER Tj = 25°C | 7.00 |
| Cdc | 0.970 |
| Pdc Tj = 20°C | 5.90 kW |
| EER Tj = 20°C | 8.88 |
| Cdc | 0.960 |
| Poff | 23 W |
| PTO | 23 W |
| PSB | 23 W |
| PCK | 0 W |
| Annual energy consumption Qce | 1314 kWh |

## Warmer Climate

## EN 12102-1

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

## EN 14825

| | Low temperature | Medium temperature |
|---|---|---|
| $\eta_s$ | 249 % | 171 % |
| Prated | 11 kW | 12.1 kW |
| SCOP | 6.31 | 4.35 |
| Tbiv | 2 °C | 4 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 11.0 kW | 10.1 kW |
| COP Tj = +2°C | 3.51 | 2.20 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 7.4 kW | 7.6 kW |
| COP Tj = +7°C | 5.77 | 3.83 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |
| Pdh Tj = 12°C | 5.2 kW | 5.0 kW |
| COP Tj = 12°C | 7.73 | 5.69 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |

| | | |
|---|---|---|
| Pdh Tj = Tbiv | 11.0 kW | 11.1 kW |
| COP Tj = Tbiv | 3.51 | 2.65 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.95 kW | 10.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.51 | 2.20 |
| WTOL | 35 °C | 55 °C |
| Poff | 23 W | 23 W |
| PTO | 23 W | 23 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.05 kW | 2.04 kW |
| Annual energy consumption Qhe | 2330 kWh | 3717 kWh |

## Average Climate

| **EN 12102-1** | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Sound power level indoor | 44.0 dB(A) | 44.0 dB(A) |
| Sound power level outdoor | 62.0 dB(A) | 62.0 dB(A) |

| **EN 14825** | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| | | |

| | | |
|---|---|---|
| $\eta_s$ | 184 % | 128 % |
| Prated | 11 kW | 11 kW |
| SCOP | 4.68 | 3.26 |
| Tbiv | -7 °C | -5 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 9.8 kW | 8.5 kW |
| COP Tj = -7°C | 2.99 | 1.80 |
| Cdh Tj = -7 °C | n/a | 1.0 |
| Pdh Tj = +2°C | 6.1 kW | 6.2 kW |
| COP Tj = +2°C | 4.35 | 3.28 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 4.6 kW | 4.4 kW |
| COP Tj = +7°C | 6.70 | 4.88 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |
| Pdh Tj = 12°C | 5.4 kW | 5.3 kW |
| COP Tj = 12°C | 8.65 | 6.58 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |
| Pdh Tj = Tbiv | 9.8 kW | 8.9 kW |
| COP Tj = Tbiv | 2.99 | 1.87 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.1 kW | 7.0 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.71 | 1.76 |

| | | |
|---|---|---|
| WTOL | 35 °C | 55 °C |
| Poff | 23 W | 23 W |
| PTO | 23 W | 23 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.9 kW | 4.0 kW |
| Annual energy consumption Qhe | 4851 kWh | 6962 kWh |

## Domestic Hot Water (DHW)

## Warmer Climate

| **EN 16147** | |
|---|---|
| | |
| Declared load profile | L |
| Efficiency ηDHW | 139 % |
| COP | 3.26 |
| Heating up time | 1:16 h:min |
| Standby power input | 38.4 W |
| Reference hot water temperature | 52.7 °C |
| Mixed water at 40°C | 244.0 l |

## Average Climate

## EN 16147

| | |
|---|---|
| Declared load profile | L |
| Efficiency ηDHW | 116 % |
| COP | 2.73 |
| Heating up time | 1:21 h:min |
| Standby power input | 42.0 W |
| Reference hot water temperature | 52.7 °C |
| Mixed water at 40°C | 244.0 l |