

This information was generated by the HP KEYMARK database on 18 Mar 2022

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| | | | |
|---------------------|---|----------|------------|
| Summary of | DAIKIN ALTHERMA 3 R ECH2O 11-16kW (300L) | Reg. No. | 011-1W0493 |
| 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 ECH2O 11-16kW (300L) | | |
| Heat Pump Type | Outdoor Air/Water | | |
| Refrigerant | R32 | | |
| Mass of Refrigerant | 3.8 kg | | |
| Certification Date | 23.11.2021 | | |
| Testing basis | HP KEYMARK certification scheme rules rev. 8 | | |

Model: ERLA11DV3 / EBSH(B)11P30D

| Configure model | |
|-------------------------------------|---------------------------|
| Model name | ERLA11DV3 / EBSH(B)11P30D |
| Application | Heating + DHW + low temp |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | No |
| Cooling mode application (optional) | n/a |

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

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 10.56 kW | 10.64 kW |
| El input | 2.19 kW | 3.62 kW |
| COP | 4.83 | 2.94 |

| 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 | 3.47 kW |
| Cooling capacity | 11.2 |
| EER | 3.22 |

EN 14825

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| | |
|---|-------------------|
| | +7°C/+12°C |
| P _{designc} | 11.00 kW |
| SEER | 5.92 |
| P _{dc} T _j = 35°C | 11.00 kW |
| EER T _j = 35°C | 3.19 |
| P _{dc} T _j = 30°C | 8.10 kW |
| EER T _j = 30°C | 4.94 |
| C _{dc} | 0.990 |
| P _{dc} T _j = 25°C | 5.70 kW |
| EER T _j = 25°C | 7.18 |
| C _{dc} | 0.970 |
| P _{dc} T _j = 20°C | 5.90 kW |
| EER T _j = 20°C | 8.47 |
| C _{dc} | 0.970 |
| P _{off} | 23 W |
| PTO | 23 W |
| PSB | 23 W |
| PCK | 0 W |
| Annual energy consumption Q _{ce} | 1116 kWh |

Average Climate

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 45 dB(A) | 45 dB(A) |
| Sound power level outdoor | 62.0 dB(A) | 62.0 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 182 % | 126 % |
| Prated | 10 kW | 10 kW |
| SCOP | 4.63 | 3.23 |
| Tbiv | -8 °C | -5 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 9.2 kW | 7.9 kW |
| COP Tj = -7°C | 3.03 | 1.89 |
| Cdh Tj = -7 °C | 1.000 | 1.0 |
| Pdh Tj = +2°C | 5.5 kW | 5.4 kW |
| COP Tj = +2°C | 4.37 | 3.25 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 4.6 kW | 4.4 kW |
| COP Tj = +7°C | 6.74 | 4.81 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | | |
|---|-------------|-------------|
| Pdh Tj = 12°C | 5.4 kW | 5.3 kW |
| COP Tj = 12°C | 8.54 | 6.41 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |
| Pdh Tj = Tbiv | 9.2 kW | 8.2 kW |
| COP Tj = Tbiv | 3.01 | 1.96 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8.4 kW | 6.8 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.73 | 1.68 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| 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 | 1.6 kW | 3.2 kW |
| Annual energy consumption Qhe | 4462 kWh | 6397 kWh |

Domestic Hot Water (DHW)

Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

| EN 16147 | |
|---------------------------------|----------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 115 % |
| COP | 2.73 |
| Heating up time | 1h 39min h:min |
| Standby power input | 40.6 W |
| Reference hot water temperature | 46.9 °C |
| Mixed water at 40°C | 196.0 l |

Model: ERLA11DV3 / EBSX(B)11P30D

| Configure model | |
|-------------------------------------|---------------------------|
| Model name | ERLA11DV3 / EBSX(B)11P30D |
| Application | Heating + DHW + low temp |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| 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 | 10.56 kW | 10.64 kW |
| El input | 2.19 kW | 3.62 kW |
| COP | 4.83 | 2.94 |

| 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 | 3.47 kW |
| Cooling capacity | 11.2 |
| EER | 3.22 |

EN 14825

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | |
|---|-------------------|
| | +7°C/+12°C |
| P _{designc} | 11.00 kW |
| SEER | 5.92 |
| P _{dc} T _j = 35°C | 11.00 kW |
| EER T _j = 35°C | 3.19 |
| P _{dc} T _j = 30°C | 8.10 kW |
| EER T _j = 30°C | 4.94 |
| C _{dc} | 0.990 |
| P _{dc} T _j = 25°C | 5.70 kW |
| EER T _j = 25°C | 7.18 |
| C _{dc} | 0.970 |
| P _{dc} T _j = 20°C | 5.90 kW |
| EER T _j = 20°C | 8.47 |
| C _{dc} | 0.970 |
| P _{off} | 23 W |
| PTO | 23 W |
| PSB | 23 W |
| PCK | 0 W |
| Annual energy consumption Q _{ce} | 1116 kWh |

Average Climate

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 45 dB(A) | 45 dB(A) |
| Sound power level outdoor | 62.0 dB(A) | 62.0 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 186 % | 128 % |
| Prated | 10 kW | 10 kW |
| SCOP | 4.72 | 3.27 |
| Tbiv | -8 °C | -5 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 9.2 kW | 7.9 kW |
| COP Tj = -7°C | 3.03 | 1.89 |
| Cdh Tj = -7 °C | 1.000 | 1.0 |
| Pdh Tj = +2°C | 5.5 kW | 5.4 kW |
| COP Tj = +2°C | 4.37 | 3.25 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 4.6 kW | 4.4 kW |
| COP Tj = +7°C | 6.74 | 4.81 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | | |
|---|-------------|-------------|
| Pdh Tj = 12°C | 5.4 kW | 5.3 kW |
| COP Tj = 12°C | 8.54 | 6.41 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |
| Pdh Tj = Tbiv | 9.2 kW | 8.2 kW |
| COP Tj = Tbiv | 3.01 | 1.96 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8.4 kW | 6.8 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.73 | 1.68 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| 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 | 1.6 kW | 3.2 kW |
| Annual energy consumption Qhe | 4378 kWh | 6312 kWh |

Domestic Hot Water (DHW)

Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

| EN 16147 | |
|---------------------------------|----------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 115 % |
| COP | 2.73 |
| Heating up time | 1h 39min h:min |
| Standby power input | 40.6 W |
| Reference hot water temperature | 46.9 °C |
| Mixed water at 40°C | 196.0 l |

Model: ERLA11DW1 / EBSH(B)11P30D

| Configure model | |
|-------------------------------------|---------------------------|
| Model name | ERLA11DW1 / EBSH(B)11P30D |
| Application | Heating + DHW + low temp |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | No |
| Cooling mode application (optional) | n/a |

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

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 10.56 kW | 10.64 kW |
| El input | 2.19 kW | 3.62 kW |
| COP | 4.83 | 2.94 |

| 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 | 3.47 kW |
| Cooling capacity | 11.2 |
| EER | 3.22 |

EN 14825

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | |
|---|-------------------|
| | +7°C/+12°C |
| P _{designc} | 11.00 kW |
| SEER | 5.92 |
| P _{dc} T _j = 35°C | 11.00 kW |
| EER T _j = 35°C | 3.19 |
| P _{dc} T _j = 30°C | 8.10 kW |
| EER T _j = 30°C | 4.94 |
| C _{dc} | 0.990 |
| P _{dc} T _j = 25°C | 5.70 kW |
| EER T _j = 25°C | 7.18 |
| C _{dc} | 0.970 |
| P _{dc} T _j = 20°C | 5.90 kW |
| EER T _j = 20°C | 8.47 |
| C _{dc} | 0.970 |
| P _{off} | 23 W |
| PTO | 23 W |
| PSB | 23 W |
| PCK | 0 W |
| Annual energy consumption Q _{ce} | 1116 kWh |

Average Climate

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 45 dB(A) | 45 dB(A) |
| Sound power level outdoor | 62.0 dB(A) | 62.0 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 182 % | 126 % |
| Prated | 10 kW | 10 kW |
| SCOP | 4.63 | 3.23 |
| Tbiv | -8 °C | -5 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 9.2 kW | 7.9 kW |
| COP Tj = -7°C | 3.03 | 1.89 |
| Cdh Tj = -7 °C | 1.000 | 1.0 |
| Pdh Tj = +2°C | 5.5 kW | 5.4 kW |
| COP Tj = +2°C | 4.37 | 3.25 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 4.6 kW | 4.4 kW |
| COP Tj = +7°C | 6.74 | 4.81 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | | |
|---|-------------|-------------|
| Pdh Tj = 12°C | 5.4 kW | 5.3 kW |
| COP Tj = 12°C | 8.54 | 6.41 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |
| Pdh Tj = Tbiv | 9.2 kW | 8.2 kW |
| COP Tj = Tbiv | 3.01 | 1.96 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8.4 kW | 6.8 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.73 | 1.68 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| 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 | 1.6 kW | 3.2 kW |
| Annual energy consumption Qhe | 4462 kWh | 6397 kWh |

Domestic Hot Water (DHW)

Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

| EN 16147 | |
|---------------------------------|----------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 116 % |
| COP | 2.75 |
| Heating up time | 1h 39min h:min |
| Standby power input | 35.6 W |
| Reference hot water temperature | 46.9 °C |
| Mixed water at 40°C | 196.0 l |

Model: ERLA11DW1 / EBSX(B)11P30D

| Configure model | |
|-------------------------------------|---------------------------|
| Model name | ERLA11DW1 / EBSX(B)11P30D |
| Application | Heating + DHW + low temp |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| 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 | 10.56 kW | 10.64 kW |
| El input | 2.19 kW | 3.62 kW |
| COP | 4.83 | 2.94 |

| 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 | 3.47 kW |
| Cooling capacity | 11.2 |
| EER | 3.22 |

EN 14825

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | |
|---|-------------------|
| | +7°C/+12°C |
| P _{designc} | 11.00 kW |
| SEER | 5.92 |
| P _{dc} T _j = 35°C | 11.00 kW |
| EER T _j = 35°C | 3.19 |
| P _{dc} T _j = 30°C | 8.10 kW |
| EER T _j = 30°C | 4.94 |
| C _{dc} | 0.990 |
| P _{dc} T _j = 25°C | 5.70 kW |
| EER T _j = 25°C | 7.18 |
| C _{dc} | 0.970 |
| P _{dc} T _j = 20°C | 5.90 kW |
| EER T _j = 20°C | 8.47 |
| C _{dc} | 0.970 |
| P _{off} | 23 W |
| PTO | 23 W |
| PSB | 23 W |
| PCK | 0 W |
| Annual energy consumption Q _{ce} | 1116 kWh |

Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 45 dB(A) | 45 dB(A) |
| Sound power level outdoor | 62.0 dB(A) | 62.0 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 186 % | 128 % |
| Prated | 10 kW | 10 kW |
| SCOP | 4.72 | 3.27 |
| Tbiv | -8 °C | -5 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 9.2 kW | 7.9 kW |
| COP Tj = -7°C | 3.03 | 1.89 |
| Cdh Tj = -7 °C | 1.000 | 1.0 |
| Pdh Tj = +2°C | 5.5 kW | 5.4 kW |
| COP Tj = +2°C | 4.37 | 3.25 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 4.6 kW | 4.4 kW |
| COP Tj = +7°C | 6.74 | 4.81 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | | |
|---|-------------|-------------|
| Pdh Tj = 12°C | 5.4 kW | 5.3 kW |
| COP Tj = 12°C | 8.54 | 6.41 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |
| Pdh Tj = Tbiv | 9.2 kW | 8.2 kW |
| COP Tj = Tbiv | 3.01 | 1.96 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8.4 kW | 6.8 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.73 | 1.68 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| 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 | 1.6 kW | 3.2 kW |
| Annual energy consumption Qhe | 4378 kWh | 6312 kWh |

Domestic Hot Water (DHW)

Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

| EN 16147 | |
|---------------------------------|----------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 116 % |
| COP | 2.75 |
| Heating up time | 1h 39min h:min |
| Standby power input | 35.6 W |
| Reference hot water temperature | 46.9 °C |
| Mixed water at 40°C | 196.0 l |

Model: ERLA14DV3 / EBSH(B)16P30D

| Configure model | |
|-------------------------------------|---------------------------|
| Model name | ERLA14DV3 / EBSH(B)16P30D |
| Application | Heating + DHW + low temp |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | No |
| Cooling mode application (optional) | n/a |

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

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 12.0 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 | 12.9 |
| EER | 2.98 |

EN 14825

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | |
|---|-------------------|
| | +7°C/+12°C |
| P _{designc} | 12.90 kW |
| SEER | 5.86 |
| P _{dc} T _j = 35°C | 12.90 kW |
| EER T _j = 35°C | 2.96 |
| P _{dc} T _j = 30°C | 8.80 kW |
| EER T _j = 30°C | 4.77 |
| C _{dc} | 0.990 |
| P _{dc} T _j = 25°C | 6.20 kW |
| EER T _j = 25°C | 7.00 |
| C _{dc} | 0.970 |
| P _{dc} T _j = 20°C | 5.90 kW |
| EER T _j = 20°C | 8.88 |
| C _{dc} | 0.960 |
| P _{off} | 23 W |
| PTO | 23 W |
| PSB | 23 W |
| PCK | 0 W |
| Annual energy consumption Q _{ce} | 1314 kWh |

Average Climate

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 49.0 dB(A) | 49.0 dB(A) |
| Sound power level outdoor | 62.0 dB(A) | 62.0 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_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 | 1.000 | 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 |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | | |
|---|-------------|-------------|
| 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 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| 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)

Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

| EN 16147 | |
|---------------------------------|----------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 115 % |
| COP | 2.73 |
| Heating up time | 1h 39min h:min |
| Standby power input | 40.6 W |
| Reference hot water temperature | 46.9 °C |
| Mixed water at 40°C | 196.0 l |

Model: ERLA14DV3 / EBSX(B)16P30D

| Configure model | |
|-------------------------------------|---------------------------|
| Model name | ERLA14DV3 / EBSX(B)16P30D |
| Application | Heating + DHW + low temp |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| 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 | 12.0 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 | 12.9 |
| EER | 2.98 |

EN 14825

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | |
|---|-------------------|
| | +7°C/+12°C |
| P _{designc} | 12.90 kW |
| SEER | 5.86 |
| P _{dc} T _j = 35°C | 12.90 kW |
| EER T _j = 35°C | 2.96 |
| P _{dc} T _j = 30°C | 8.80 kW |
| EER T _j = 30°C | 4.77 |
| C _{dc} | 0.990 |
| P _{dc} T _j = 25°C | 6.20 kW |
| EER T _j = 25°C | 7.00 |
| C _{dc} | 0.970 |
| P _{dc} T _j = 20°C | 5.90 kW |
| EER T _j = 20°C | 8.88 |
| C _{dc} | 0.960 |
| P _{off} | 23 W |
| PTO | 23 W |
| PSB | 23 W |
| PCK | 0 W |
| Annual energy consumption Q _{ce} | 1314 kWh |

Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 49.0 dB(A) | 49.0 dB(A) |
| Sound power level outdoor | 62.0 dB(A) | 62.0 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_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 | 1.000 | 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 |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | | |
|---|-------------|-------------|
| 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 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| 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)

Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

| EN 16147 | |
|---------------------------------|----------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 115 % |
| COP | 2.73 |
| Heating up time | 1h 39min h:min |
| Standby power input | 40.6 W |
| Reference hot water temperature | 46.9 °C |
| Mixed water at 40°C | 196.0 l |

Model: ERLA14DW1 / EBSH(B)16P30D

| Configure model | |
|-------------------------------------|---------------------------|
| Model name | ERLA14DW1 / EBSH(B)16P30D |
| Application | Heating + DHW + low temp |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | No |
| Cooling mode application (optional) | n/a |

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

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 12.0 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 | 12.9 |
| EER | 2.98 |

EN 14825

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | +7°C/+12°C |
|---|-------------------|
| P _{designc} | 12.90 kW |
| SEER | 5.86 |
| P _{dc} T _j = 35°C | 12.90 kW |
| EER T _j = 35°C | 2.96 |
| P _{dc} T _j = 30°C | 8.80 kW |
| EER T _j = 30°C | 4.77 |
| C _{dc} | 0.990 |
| P _{dc} T _j = 25°C | 6.20 kW |
| EER T _j = 25°C | 7.00 |
| C _{dc} | 0.970 |
| P _{dc} T _j = 20°C | 5.90 kW |
| EER T _j = 20°C | 8.88 |
| C _{dc} | 0.960 |
| P _{off} | 23 W |
| PTO | 23 W |
| PSB | 23 W |
| PCK | 0 W |
| Annual energy consumption Q _{ce} | 1314 kWh |

Average Climate

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 49.0 dB(A) | 49.0 dB(A) |
| Sound power level outdoor | 62.0 dB(A) | 62.0 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_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 | 1.000 | 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 |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | | |
|---|-------------|-------------|
| 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 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| 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)

Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

| EN 16147 | |
|---------------------------------|----------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 116 % |
| COP | 2.75 |
| Heating up time | 1h 39min h:min |
| Standby power input | 35.6 W |
| Reference hot water temperature | 46.9 °C |
| Mixed water at 40°C | 196.0 l |

Model: ERLA14DW1 / EBSX(B)16P30D

| Configure model | |
|-------------------------------------|---------------------------|
| Model name | ERLA14DW1 / EBSX(B)16P30D |
| Application | Heating + DHW + low temp |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| 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 | 12.0 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 | 12.9 |
| EER | 2.98 |

EN 14825

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | |
|---|-------------------|
| | +7°C/+12°C |
| P _{designc} | 12.90 kW |
| SEER | 5.86 |
| P _{dc} T _j = 35°C | 12.90 kW |
| EER T _j = 35°C | 2.96 |
| P _{dc} T _j = 30°C | 8.80 kW |
| EER T _j = 30°C | 4.77 |
| C _{dc} | 0.990 |
| P _{dc} T _j = 25°C | 6.20 kW |
| EER T _j = 25°C | 7.00 |
| C _{dc} | 0.970 |
| P _{dc} T _j = 20°C | 5.90 kW |
| EER T _j = 20°C | 8.88 |
| C _{dc} | 0.960 |
| P _{off} | 23 W |
| PTO | 23 W |
| PSB | 23 W |
| PCK | 0 W |
| Annual energy consumption Q _{ce} | 1314 kWh |

Average Climate

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 49.0 dB(A) | 49.0 dB(A) |
| Sound power level outdoor | 62.0 dB(A) | 62.0 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_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 | 1.000 | 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 |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | | |
|---|-------------|-------------|
| 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 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| 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)

Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

| EN 16147 | |
|---------------------------------|----------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 116 % |
| COP | 2.75 |
| Heating up time | 1h 39min h:min |
| Standby power input | 35.6 W |
| Reference hot water temperature | 46.9 °C |
| Mixed water at 40°C | 196.0 l |

Model: ERLA16DV3 / EBSH(B)16P30D

| Configure model | |
|-------------------------------------|---------------------------|
| Model name | ERLA16DV3 / EBSH(B)16P30D |
| Application | Heating + DHW + low temp |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | No |
| Cooling mode application (optional) | n/a |

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

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 16.0 kW | 15.63 kW |
| El input | 3.53 kW | 5.68 kW |
| COP | 4.53 | 2.75 |

| 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 | 4.68 kW |
| Cooling capacity | 13.6 |
| EER | 2.91 |

EN 14825

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | |
|---|-------------------|
| | +7°C/+12°C |
| P _{designc} | 13.60 kW |
| SEER | 5.76 |
| P _{dc} T _j = 35°C | 13.60 kW |
| EER T _j = 35°C | 2.88 |
| P _{dc} T _j = 30°C | 9.70 kW |
| EER T _j = 30°C | 4.58 |
| C _{dc} | 0.990 |
| P _{dc} T _j = 25°C | 6.20 kW |
| EER T _j = 25°C | 6.99 |
| C _{dc} | 0.980 |
| P _{dc} T _j = 20°C | 5.90 kW |
| EER T _j = 20°C | 8.69 |
| C _{dc} | 0.970 |
| P _{off} | 23 W |
| PTO | 23 W |
| PSB | 23 W |
| PCK | 0 W |
| Annual energy consumption Q _{ce} | 1417 kWh |

Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 49.0 dB(A) | 49.0 dB(A) |
| Sound power level outdoor | 62.0 dB(A) | 62.0 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 181 % | 130 % |
| Prated | 12 kW | 12 kW |
| SCOP | 4.61 | 3.32 |
| Tbiv | -8 °C | -5 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.2 kW | 9.4 kW |
| COP Tj = -7°C | 2.87 | 1.95 |
| Cdh Tj = -7 °C | 1.000 | 1.0 |
| Pdh Tj = +2°C | 6.7 kW | 6.9 kW |
| COP Tj = +2°C | 4.33 | 3.27 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 4.7 kW | 4.4 kW |
| COP Tj = +7°C | 6.83 | 4.93 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | | |
|---|-------------|-------------|
| Pdh Tj = 12°C | 5.5 kW | 5.3 kW |
| COP Tj = 12°C | 8.82 | 6.60 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |
| Pdh Tj = Tbiv | 11.4 kW | 10.1 kW |
| COP Tj = Tbiv | 2.72 | 2.13 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.6 kW | 6.0 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.52 | 1.50 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| 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 | 1.4 kW | 6.1 kW |
| Annual energy consumption Qhe | 5377 kWh | 7477 kWh |

Domestic Hot Water (DHW)

Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

| EN 16147 | |
|---------------------------------|----------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 115 % |
| COP | 2.73 |
| Heating up time | 1h 39min h:min |
| Standby power input | 40.6 W |
| Reference hot water temperature | 46.9 °C |
| Mixed water at 40°C | 196.0 l |

Model: ERLA16DV3 / EBSX(B)16P30D

| Configure model | |
|-------------------------------------|---------------------------|
| Model name | ERLA16DV3 / EBSX(B)16P30D |
| Application | Heating + DHW + low temp |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| 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 | 16.0 kW | 15.63 kW |
| El input | 3.53 kW | 5.68 kW |
| COP | 4.53 | 2.75 |

| 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 | 4.68 kW |
| Cooling capacity | 13.6 |
| EER | 2.91 |

EN 14825

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | |
|---|-------------------|
| | +7°C/+12°C |
| P _{designc} | 13.60 kW |
| SEER | 5.76 |
| P _{dc} T _j = 35°C | 13.60 kW |
| EER T _j = 35°C | 2.88 |
| P _{dc} T _j = 30°C | 9.70 kW |
| EER T _j = 30°C | 4.58 |
| C _{dc} | 0.990 |
| P _{dc} T _j = 25°C | 6.20 kW |
| EER T _j = 25°C | 6.99 |
| C _{dc} | 0.980 |
| P _{dc} T _j = 20°C | 5.90 kW |
| EER T _j = 20°C | 8.69 |
| C _{dc} | 0.970 |
| P _{off} | 23 W |
| PTO | 23 W |
| PSB | 23 W |
| PCK | 0 W |
| Annual energy consumption Q _{ce} | 1417 kWh |

Average Climate

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 49.0 dB(A) | 49.0 dB(A) |
| Sound power level outdoor | 62.0 dB(A) | 62.0 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 184 % | 131 % |
| Prated | 12 kW | 12 kW |
| SCOP | 4.68 | 3.35 |
| Tbiv | -8 °C | -5 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.2 kW | 9.4 kW |
| COP Tj = -7°C | 2.87 | 1.95 |
| Cdh Tj = -7 °C | 1.000 | 1.0 |
| Pdh Tj = +2°C | 6.7 kW | 6.9 kW |
| COP Tj = +2°C | 4.33 | 3.27 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 4.7 kW | 4.4 kW |
| COP Tj = +7°C | 6.83 | 4.93 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | | |
|---|-------------|-------------|
| Pdh Tj = 12°C | 5.5 kW | 5.3 kW |
| COP Tj = 12°C | 8.82 | 6.60 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |
| Pdh Tj = Tbiv | 11.4 kW | 10.1 kW |
| COP Tj = Tbiv | 2.72 | 2.13 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.6 kW | 6.0 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.52 | 1.50 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| 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 | 1.4 kW | 6.1 kW |
| Annual energy consumption Qhe | 5293 kWh | 7392 kWh |

Domestic Hot Water (DHW)

Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

| EN 16147 | |
|---------------------------------|----------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 115 % |
| COP | 2.73 |
| Heating up time | 1h 39min h:min |
| Standby power input | 40.6 W |
| Reference hot water temperature | 46.9 °C |
| Mixed water at 40°C | 196.0 l |

Model: ERLA16DW1 / EBSH(B)16P30D

Configure model

| | |
|-------------------------------------|---------------------------|
| Model name | ERLA16DW1 / EBSH(B)16P30D |
| Application | Heating + DHW + low temp |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | No |
| Cooling mode application (optional) | n/a |

General Data

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

Heating

EN 14511-2

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 16.0 kW | 15.63 kW |
| El input | 3.53 kW | 5.68 kW |
| COP | 4.53 | 2.75 |

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 | 4.68 kW |
| Cooling capacity | 13.6 |
| EER | 2.91 |

EN 14825

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | |
|---|-------------------|
| | +7°C/+12°C |
| P _{designc} | 13.60 kW |
| SEER | 5.76 |
| P _{dc} T _j = 35°C | 13.60 kW |
| EER T _j = 35°C | 2.88 |
| P _{dc} T _j = 30°C | 9.70 kW |
| EER T _j = 30°C | 4.58 |
| C _{dc} | 0.990 |
| P _{dc} T _j = 25°C | 6.20 kW |
| EER T _j = 25°C | 6.99 |
| C _{dc} | 0.980 |
| P _{dc} T _j = 20°C | 5.90 kW |
| EER T _j = 20°C | 8.69 |
| C _{dc} | 0.970 |
| P _{off} | 23 W |
| PTO | 23 W |
| PSB | 23 W |
| PCK | 0 W |
| Annual energy consumption Q _{ce} | 1417 kWh |

Average Climate

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 49.0 dB(A) | 49.0 dB(A) |
| Sound power level outdoor | 62.0 dB(A) | 62.0 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 181 % | 130 % |
| Prated | 12 kW | 12 kW |
| SCOP | 4.61 | 3.32 |
| Tbiv | -8 °C | -5 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.2 kW | 9.4 kW |
| COP Tj = -7°C | 2.87 | 1.95 |
| Cdh Tj = -7 °C | 1.000 | 1.0 |
| Pdh Tj = +2°C | 6.7 kW | 6.9 kW |
| COP Tj = +2°C | 4.33 | 3.27 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 4.7 kW | 4.4 kW |
| COP Tj = +7°C | 6.83 | 4.93 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | | |
|---|-------------|-------------|
| Pdh Tj = 12°C | 5.5 kW | 5.3 kW |
| COP Tj = 12°C | 8.82 | 6.60 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |
| Pdh Tj = Tbiv | 11.4 kW | 10.1 kW |
| COP Tj = Tbiv | 2.72 | 2.13 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.6 kW | 6.0 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.52 | 1.50 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| 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 | 1.4 kW | 6.1 kW |
| Annual energy consumption Qhe | 5377 kWh | 7477 kWh |

Domestic Hot Water (DHW)

Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

| EN 16147 | |
|---------------------------------|----------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 116 % |
| COP | 2.75 |
| Heating up time | 1h 39min h:min |
| Standby power input | 35.6 W |
| Reference hot water temperature | 46.9 °C |
| Mixed water at 40°C | 196.0 l |

Model: ERLA16DW1 / EBSX(B)16P30D

| Configure model | |
|-------------------------------------|---------------------------|
| Model name | ERLA16DW1 / EBSX(B)16P30D |
| Application | Heating + DHW + low temp |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| 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 | 16.0 kW | 15.63 kW |
| El input | 3.53 kW | 5.68 kW |
| COP | 4.53 | 2.75 |

| 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 | 4.68 kW |
| Cooling capacity | 13.6 |
| EER | 2.91 |

EN 14825

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | |
|---|-------------------|
| | +7°C/+12°C |
| P _{designc} | 13.60 kW |
| SEER | 5.76 |
| P _{dc} T _j = 35°C | 13.60 kW |
| EER T _j = 35°C | 2.88 |
| P _{dc} T _j = 30°C | 9.70 kW |
| EER T _j = 30°C | 4.58 |
| C _{dc} | 0.990 |
| P _{dc} T _j = 25°C | 6.20 kW |
| EER T _j = 25°C | 6.99 |
| C _{dc} | 0.980 |
| P _{dc} T _j = 20°C | 5.90 kW |
| EER T _j = 20°C | 8.69 |
| C _{dc} | 0.970 |
| P _{off} | 23 W |
| PTO | 23 W |
| PSB | 23 W |
| PCK | 0 W |
| Annual energy consumption Q _{ce} | 1417 kWh |

Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 49.0 dB(A) | 49.0 dB(A) |
| Sound power level outdoor | 62.0 dB(A) | 62.0 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 184 % | 131 % |
| Prated | 12 kW | 12 kW |
| SCOP | 4.68 | 3.35 |
| Tbiv | -8 °C | -5 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.2 kW | 9.4 kW |
| COP Tj = -7°C | 2.87 | 1.95 |
| Cdh Tj = -7 °C | 1.000 | 1.0 |
| Pdh Tj = +2°C | 6.7 kW | 6.9 kW |
| COP Tj = +2°C | 4.33 | 3.27 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 4.7 kW | 4.4 kW |
| COP Tj = +7°C | 6.83 | 4.93 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | | |
|---|-------------|-------------|
| Pdh Tj = 12°C | 5.5 kW | 5.3 kW |
| COP Tj = 12°C | 8.82 | 6.60 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |
| Pdh Tj = Tbiv | 11.4 kW | 10.1 kW |
| COP Tj = Tbiv | 2.72 | 2.13 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.6 kW | 6.0 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.52 | 1.50 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| 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 | 1.4 kW | 6.1 kW |
| Annual energy consumption Qhe | 5293 kWh | 7392 kWh |

Domestic Hot Water (DHW)

Average Climate

| EN 16147 | |
|---------------------------------|----------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 116 % |
| COP | 2.75 |
| Heating up time | 1h 39min h:min |
| Standby power input | 35.6 W |
| Reference hot water temperature | 46.9 °C |
| Mixed water at 40°C | 196.0 l |