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| Summary of          | DAIKIN ALTHERMA 3 R F 16KW (230L)                     | Reg. No. | 011-1W0497 |
|---------------------|-------------------------------------------------------|----------|------------|
| Certificate Holder  | 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 16KW (230L)                     |          |            |
| 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: ERLA16DV3 / EBVH16S23D(6V/9W)

| Configure model                     |                               |
|-------------------------------------|-------------------------------|
| Model name                          | ERLA16DV3 / EBVH16S23D(6V/9W) |
| 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 | 16.00 kW        | 15.63 kW           |
| El input    | 3.53 kW         | 5.68 kW            |
| СОР         | 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 | 13.63      |
| EER              | 2.91       |

#### EN 14825





|                               | +7°C/+12°C |
|-------------------------------|------------|
| Pdesignc                      | 13.60 kW   |
| SEER                          | 5.76       |
| Pdc Tj = 35°C                 | 13.60 kW   |
| EER Tj = 35°C                 | 2.88       |
| Pdc Tj = 30°C                 | 9.70 kW    |
| EER Tj = 30°C                 | 4.58       |
| Cdc                           | 0.990      |
| Pdc Tj = 25°C                 | 6.20 kW    |
| EER Tj = 25°C                 | 6.99       |
| Cdc                           | 0.980      |
| Pdc Tj = 20°C                 | 5.90 kW    |
| EER Tj = 20°C                 | 8.69       |
| Cdc                           | 0.970      |
| Poff                          | 23 W       |
| РТО                           | 23 W       |
| PSB                           | 23 W       |
| PCK                           | 0 W        |
| Annual energy consumption Qce | 1417 kWh   |



|                           | 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 %           | 130 %              |
| Prated                  | 12 kW           | 12 kW              |
| SCOP                    | 4.61            | 3.32               |
| Tbiv                    | -8 °C           | -5 °C              |
| TOL                     | -10 °C          | -10 °C             |
| Pdh Tj = $-7^{\circ}$ C | 11.2 kW         | 9.4 kW             |
| COP Tj = $-7^{\circ}$ C | 2.87            | 1.95               |
| Cdh Tj = -7 °C          | n/a             | 1.0                |
| Pdh Tj = $+2$ °C        | 6.7 kW          | 6.9 kW             |
| $COP Tj = +2^{\circ}C$  | 4.33            | 3.27               |
| Cdh Tj = +2 °C          | 1.0             | 1.0                |
| Pdh Tj = $+7^{\circ}$ C | 4.7 kW          | 4.4 kW             |
| COP Tj = +7°C           | 6.83            | 4.93               |
| Cdh Tj = +7 °C          | 1.0             | 1.0                |

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|                                                     | -           |             |
|-----------------------------------------------------|-------------|-------------|
| 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        |
| РТО                                                 | 23 W        | 23 W        |
| PSB                                                 | 23 W        | 23 W        |
| PCK                                                 | o w         | o 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)



| EN 16147                        |            |
|---------------------------------|------------|
| Declared load profile           | XL         |
| Efficiency ηDHW                 | 109 %      |
| СОР                             | 2.63       |
| Heating up time                 | 1:11 h:min |
| Standby power input             | 43.2 W     |
| Reference hot water temperature | 51.5 °C    |
| Mixed water at 40°C             | 295.0      |



# Model: ERLA16DV3 / EBVX16S23D(6V/9W)

| Configure model                     |                               |
|-------------------------------------|-------------------------------|
| Model name                          | ERLA16DV3 / EBVX16S23D(6V/9W) |
| 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                        | 16.00 kW | 15.63 kW |  |
| El input                           | 3.53 kW  | 5.68 kW  |  |
| СОР                                | 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 |

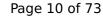
## Cooling





| EN 14511-2       |         |  |
|------------------|---------|--|
| +7°C/+12°C       |         |  |
| El input         | 4.68 kW |  |
| Cooling capacity | 13.63   |  |
| EER              | 2.91    |  |

#### EN 14825





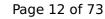
|                               | +7°C/+12°C |
|-------------------------------|------------|
| Pdesignc                      | 13.60 kW   |
| SEER                          | 5.76       |
| Pdc Tj = 35°C                 | 13.60 kW   |
| EER Tj = 35°C                 | 2.88       |
| Pdc Tj = 30°C                 | 9.70 kW    |
| EER Tj = 30°C                 | 4.58       |
| Cdc                           | 0.990      |
| Pdc Tj = 25°C                 | 6.20 kW    |
| EER Tj = 25°C                 | 6.99       |
| Cdc                           | 0.980      |
| Pdc Tj = 20°C                 | 5.90 kW    |
| EER Tj = 20°C                 | 8.69       |
| Cdc                           | 0.970      |
| Poff                          | 23 W       |
| РТО                           | 23 W       |
| PSB                           | 23 W       |
| PCK                           | 0 W        |
| Annual energy consumption Qce | 1417 kWh   |



| 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 %           | 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          | n/a             | 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 = $+7^{\circ}$ C | 4.7 kW          | 4.4 kW             |
| COP Tj = +7°C           | 6.83            | 4.93               |
| Cdh Tj = +7 °C          | 1.0             | 1.0                |

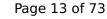
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| 5.5 kW      | 5.3 kW                                                                                            |
|-------------|---------------------------------------------------------------------------------------------------|
| 8.82        | 6.60                                                                                              |
| 1.0         | 1.0                                                                                               |
| 11.4 kW     | 10.1 kW                                                                                           |
| 2.72        | 2.13                                                                                              |
| 10.6 kW     | 6.0 kW                                                                                            |
| 2.52        | 1.50                                                                                              |
| 1.000       | 1.000                                                                                             |
| 35 °C       | 55 °C                                                                                             |
| 23 W        | 23 W                                                                                              |
| 23 W        | 23 W                                                                                              |
| 23 W        | 23 W                                                                                              |
| 0 W         | 0 W                                                                                               |
| Electricity | Electricity                                                                                       |
| 1.4 kW      | 6.1 kW                                                                                            |
| 5293 kWh    | 7392 kWh                                                                                          |
|             | 8.82  1.0  11.4 kW  2.72  10.6 kW  2.52  1.000  35 °C  23 W  23 W  23 W  0 W  Electricity  1.4 kW |

### Domestic Hot Water (DHW)





| EN 16147                        |            |  |
|---------------------------------|------------|--|
| Declared load profile           | XL         |  |
| Efficiency ηDHW                 | 109 %      |  |
| СОР                             | 2.63       |  |
| Heating up time                 | 1:11 h:min |  |
| Standby power input             | 43.2 W     |  |
| Reference hot water temperature | 51.5 °C    |  |
| Mixed water at 40°C             | 295.0      |  |



# Model: ERLA16DW1 / EBVH16S23D(6V/9W)

| Configure model                     |                               |  |
|-------------------------------------|-------------------------------|--|
| Model name                          | ERLA16DW1 / EBVH16S23D(6V/9W) |  |
| Application                         | Heating + DHW + low temp      |  |
| Units                               | Indoor + Outdoor              |  |
| Climate Zone                        | n/a                           |  |
| Reversibility                       | No                            |  |
| Cooling mode application (optional) | n/a                           |  |

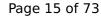
| General Data |             |  |
|--------------|-------------|--|
| Power supply | 3x400V 50Hz |  |

### Heating

| EN 14511-2                         |          |          |  |
|------------------------------------|----------|----------|--|
| Low temperature Medium temperature |          |          |  |
| Heat output                        | 16.00 kW | 15.63 kW |  |
| El input                           | 3.53 kW  | 5.68 kW  |  |
| СОР                                | 4.53     | 2.75     |  |

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

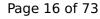
## Cooling





| EN 14511-2       |         |  |
|------------------|---------|--|
| +7°C/+12°C       |         |  |
| El input         | 4.68 kW |  |
| Cooling capacity | 13.63   |  |
| EER              | 2.91    |  |

#### EN 14825





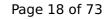
|                               | +7°C/+12°C |
|-------------------------------|------------|
|                               | +7 C/+12 C |
| Pdesignc                      | 13.60 kW   |
| SEER                          | 5.76       |
| Pdc Tj = 35°C                 | 13.60 kW   |
| EER Tj = 35°C                 | 2.88       |
| Pdc Tj = 30°C                 | 9.70 kW    |
| EER Tj = 30°C                 | 4.58       |
| Cdc                           | 0.990      |
| Pdc Tj = 25°C                 | 6.20 kW    |
| EER Tj = 25°C                 | 6.99       |
| Cdc                           | 0.980      |
| Pdc Tj = 20°C                 | 5.90 kW    |
| EER Tj = 20°C                 | 8.69       |
| Cdc                           | 0.970      |
| Poff                          | 23 W       |
| PTO                           | 23 W       |
| PSB                           | 23 W       |
| PCK                           | 0 W        |
| Annual energy consumption Qce | 1417 kWh   |



| 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 %           | 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 | n/a             | 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                |

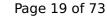
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| Pdh Tj = 12°C                                       | 5.5 kW      | 5.3 kW      |
|-----------------------------------------------------|-------------|-------------|
| COP Tj = 12°C                                       | 8.82        | 6.60        |
| 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        |
| РТО                                                 | 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)





| EN 16147                        |            |  |
|---------------------------------|------------|--|
| Declared load profile           | XL         |  |
| Efficiency ηDHW                 | 109 %      |  |
| СОР                             | 2.63       |  |
| Heating up time                 | 1:11 h:min |  |
| Standby power input             | 43.2 W     |  |
| Reference hot water temperature | 51.5 °C    |  |
| Mixed water at 40°C             | 295.0      |  |



# Model: ERLA16DW1 / EBVX16S23D(6V/9W)

| Configure model                     |                               |  |
|-------------------------------------|-------------------------------|--|
| Model name                          | ERLA16DW1 / EBVX16S23D(6V/9W) |  |
| Application                         | Heating + DHW + low temp      |  |
| Units                               | Indoor + Outdoor              |  |
| Climate Zone                        | n/a                           |  |
| Reversibility                       | Yes                           |  |
| Cooling mode application (optional) | +7°C/12°C                     |  |

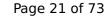
|                          | General Data |  |
|--------------------------|--------------|--|
| Power supply 3x400V 50Hz |              |  |

### Heating

| EN 14511-2  |                 |                    |
|-------------|-----------------|--------------------|
|             | Low temperature | Medium temperature |
| Heat output | 16.00 kW        | 15.63 kW           |
| El input    | 3.53 kW         | 5.68 kW            |
| СОР         | 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 | 13.63      |
| EER              | 2.91       |

#### EN 14825

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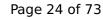
|                               | +7°C/+12°C |
|-------------------------------|------------|
|                               | +7 C/+12 C |
| Pdesignc                      | 13.60 kW   |
| SEER                          | 5.76       |
| Pdc Tj = 35°C                 | 13.60 kW   |
| EER Tj = 35°C                 | 2.88       |
| Pdc Tj = 30°C                 | 9.70 kW    |
| EER Tj = 30°C                 | 4.58       |
| Cdc                           | 0.990      |
| Pdc Tj = 25°C                 | 6.20 kW    |
| EER Tj = 25°C                 | 6.99       |
| Cdc                           | 0.980      |
| Pdc Tj = 20°C                 | 5.90 kW    |
| EER Tj = 20°C                 | 8.69       |
| Cdc                           | 0.970      |
| Poff                          | 23 W       |
| PTO                           | 23 W       |
| PSB                           | 23 W       |
| PCK                           | 0 W        |
| Annual energy consumption Qce | 1417 kWh   |



| 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 %           | 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          | n/a             | 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 = $+7^{\circ}$ C | 4.7 kW          | 4.4 kW             |
| COP Tj = +7°C           | 6.83            | 4.93               |
| Cdh Tj = +7 °C          | 1.0             | 1.0                |

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| 5.5 kW      | 5.3 kW                                                                                            |
|-------------|---------------------------------------------------------------------------------------------------|
| 8.82        | 6.60                                                                                              |
| 1.0         | 1.0                                                                                               |
| 11.4 kW     | 10.1 kW                                                                                           |
| 2.72        | 2.13                                                                                              |
| 10.6 kW     | 6.0 kW                                                                                            |
| 2.52        | 1.50                                                                                              |
| 1.000       | 1.000                                                                                             |
| 35 °C       | 55 °C                                                                                             |
| 23 W        | 23 W                                                                                              |
| 23 W        | 23 W                                                                                              |
| 23 W        | 23 W                                                                                              |
| 0 W         | 0 W                                                                                               |
| Electricity | Electricity                                                                                       |
| 1.4 kW      | 6.1 kW                                                                                            |
| 5293 kWh    | 7392 kWh                                                                                          |
|             | 8.82  1.0  11.4 kW  2.72  10.6 kW  2.52  1.000  35 °C  23 W  23 W  23 W  0 W  Electricity  1.4 kW |

Domestic Hot Water (DHW)





| EN 16147                        |            |  |
|---------------------------------|------------|--|
| Declared load profile           | XL         |  |
| Efficiency ηDHW                 | 109 %      |  |
| СОР                             | 2.63       |  |
| Heating up time                 | 1:11 h:min |  |
| Standby power input             | 43.2 W     |  |
| Reference hot water temperature | 51.5 °C    |  |
| Mixed water at 40°C             | 295.0 l    |  |



# Model: ERLA16DV3 / EBVZ16S23D(6V/9W)

| Configure model                            |                          |  |
|--------------------------------------------|--------------------------|--|
| Model name   ERLA16DV3 / EBVZ16S23D(6V/9W) |                          |  |
| Application                                | Heating + DHW + low temp |  |
| Units                                      | Indoor + Outdoor         |  |
| Climate Zone                               | n/a                      |  |
| Reversibility                              | No                       |  |
| Cooling mode application (optional)        | n/a                      |  |

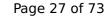
| General Data |             |  |
|--------------|-------------|--|
| Power supply | 1x230V 50Hz |  |

### Heating

| EN 14511-2                         |          |          |  |
|------------------------------------|----------|----------|--|
| Low temperature Medium temperature |          |          |  |
| Heat output                        | 16.00 kW | 15.63 kW |  |
| El input                           | 3.53 kW  | 5.68 kW  |  |
| СОР                                | 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 |  |

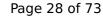
## Cooling





| EN 14511-2       |         |  |
|------------------|---------|--|
| +7°C/+12°C       |         |  |
| El input         | 4.68 kW |  |
| Cooling capacity | 13.63   |  |
| EER              | 2.91    |  |

#### EN 14825





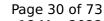
|                               | +7°C/+12°C |
|-------------------------------|------------|
| Pdesignc                      | 13.60 kW   |
| SEER                          | 5.76       |
| Pdc Tj = 35°C                 | 13.60 kW   |
| EER Tj = 35°C                 | 2.88       |
| Pdc Tj = 30°C                 | 9.70 kW    |
| EER Tj = 30°C                 | 4.58       |
| Cdc                           | 0.990      |
| Pdc Tj = 25°C                 | 6.20 kW    |
| EER Tj = 25°C                 | 6.99       |
| Cdc                           | 0.980      |
| Pdc Tj = 20°C                 | 5.90 kW    |
| EER Tj = 20°C                 | 8.69       |
| Cdc                           | 0.970      |
| Poff                          | 23 W       |
| РТО                           | 23 W       |
| PSB                           | 23 W       |
| PCK                           | o w        |
| Annual energy consumption Qce | 1417 kWh   |



| 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 %           | 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 | n/a             | 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                |

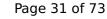
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| 5.5 kW      | 5.3 kW                                                                                            |
|-------------|---------------------------------------------------------------------------------------------------|
| 8.82        | 6.60                                                                                              |
| 1.0         | 1.0                                                                                               |
| 11.4 kW     | 10.1 kW                                                                                           |
| 2.72        | 2.13                                                                                              |
| 10.6 kW     | 6.0 kW                                                                                            |
| 2.52        | 1.50                                                                                              |
| 1.000       | 1.000                                                                                             |
| 35 °C       | 55 °C                                                                                             |
| 23 W        | 23 W                                                                                              |
| 23 W        | 23 W                                                                                              |
| 23 W        | 23 W                                                                                              |
| 0 W         | 0 W                                                                                               |
| Electricity | Electricity                                                                                       |
| 1.4 kW      | 6.1 kW                                                                                            |
| 5377 kWh    | 7477 kWh                                                                                          |
|             | 8.82  1.0  11.4 kW  2.72  10.6 kW  2.52  1.000  35 °C  23 W  23 W  23 W  0 W  Electricity  1.4 kW |

Domestic Hot Water (DHW)





| EN 16147                        |            |  |
|---------------------------------|------------|--|
| Declared load profile           | XL         |  |
| Efficiency ηDHW                 | 109 %      |  |
| СОР                             | 2.63       |  |
| Heating up time                 | 1:11 h:min |  |
| Standby power input             | 43.2 W     |  |
| Reference hot water temperature | 51.5 °C    |  |
| Mixed water at 40°C             | 295.0 l    |  |



# Model: ERLA16DW1 / EBVZ16S23D(6V/9W)

| Configure model                     |                               |  |
|-------------------------------------|-------------------------------|--|
| Model name                          | ERLA16DW1 / EBVZ16S23D(6V/9W) |  |
| Application                         | Heating + DHW + low temp      |  |
| Units                               | Indoor + Outdoor              |  |
| Climate Zone                        | n/a                           |  |
| Reversibility                       | No                            |  |
| Cooling mode application (optional) | n/a                           |  |

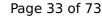
| General Data |             |  |
|--------------|-------------|--|
| Power supply | 3x400V 50Hz |  |

### Heating

| EN 14511-2  |                 |                    |
|-------------|-----------------|--------------------|
|             | Low temperature | Medium temperature |
| Heat output | 16.00 kW        | 15.63 kW           |
| El input    | 3.53 kW         | 5.68 kW            |
| СОР         | 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 |

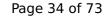
## Cooling





| EN 14511-2       |            |
|------------------|------------|
|                  | +7°C/+12°C |
| El input         | 4.68 kW    |
| Cooling capacity | 13.63      |
| EER              | 2.91       |

#### EN 14825





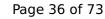
|                               | +7°C/+12°C |
|-------------------------------|------------|
| Pdesignc                      | 13.60 kW   |
| SEER                          | 5.76       |
| Pdc Tj = 35°C                 | 13.60 kW   |
| EER Tj = 35°C                 | 2.88       |
| Pdc Tj = 30°C                 | 9.70 kW    |
| EER Tj = 30°C                 | 4.58       |
| Cdc                           | 0.990      |
| Pdc Tj = 25°C                 | 6.20 kW    |
| EER Tj = 25°C                 | 6.99       |
| Cdc                           | 0.980      |
| Pdc Tj = 20°C                 | 5.90 kW    |
| EER Tj = 20°C                 | 8.69       |
| Cdc                           | 0.970      |
| Poff                          | 23 W       |
| РТО                           | 23 W       |
| PSB                           | 23 W       |
| PCK                           | o w        |
| Annual energy consumption Qce | 1417 kWh   |



| 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 %           | 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 | n/a             | 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                |

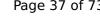
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| Pdh Tj = 12°C                                       | 5.5 kW      | 5.3 kW      |
|-----------------------------------------------------|-------------|-------------|
| COP Tj = 12°C                                       | 8.82        | 6.60        |
| 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                                                 | o 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)





# $$\operatorname{\textit{Page}}\xspace$ 37 of 73 This information was generated by the HP KEYMARK database on 18 Mar 2022

| EN 16147                        |            |
|---------------------------------|------------|
| Declared load profile           | XL         |
| Efficiency ηDHW                 | 109 %      |
| СОР                             | 2.63       |
| Heating up time                 | 1:11 h:min |
| Standby power input             | 43.2 W     |
| Reference hot water temperature | 51.5 °C    |
| Mixed water at 40°C             | 295.0      |



# Model: ERLA16DV3 / EBVH16SU23D6V

| Configure model                     |                           |  |
|-------------------------------------|---------------------------|--|
| Model name                          | ERLA16DV3 / EBVH16SU23D6V |  |
| 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 | 16.00 kW        | 15.63 kW           |
| El input    | 3.53 kW         | 5.68 kW            |
| СОР         | 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 | 13.63      |
| EER              | 2.91       |

#### EN 14825





|                               | +7°C/+12°C |
|-------------------------------|------------|
| Pdesignc                      | 13.60 kW   |
| SEER                          | 5.76       |
| Pdc Tj = 35°C                 | 13.60 kW   |
| EER Tj = 35°C                 | 2.88       |
| Pdc Tj = 30°C                 | 9.70 kW    |
| EER Tj = 30°C                 | 4.58       |
| Cdc                           | 0.990      |
| Pdc Tj = 25°C                 | 6.20 kW    |
| EER Tj = 25°C                 | 6.99       |
| Cdc                           | 0.980      |
| Pdc Tj = 20°C                 | 5.90 kW    |
| EER Tj = 20°C                 | 8.69       |
| Cdc                           | 0.970      |
| Poff                          | 23 W       |
| РТО                           | 23 W       |
| PSB                           | 23 W       |
| PCK                           | o w        |
| Annual energy consumption Qce | 1417 kWh   |



|                           | 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)         |

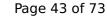
| EN 14825       |                 |                    |
|----------------|-----------------|--------------------|
|                | Low temperature | Medium temperature |
| $\eta_{s}$     | 181 %           | 130 %              |
| Prated         | 12 kW           | 12 kW              |
| SCOP           | 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 | n/a             | 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                |





| 5.5 kW      | 5.3 kW                                                                                            |
|-------------|---------------------------------------------------------------------------------------------------|
| 8.82        | 6.60                                                                                              |
| 1.0         | 1.0                                                                                               |
| 11.4 kW     | 10.1 kW                                                                                           |
| 2.72        | 2.13                                                                                              |
| 10.6 kW     | 6.0 kW                                                                                            |
| 2.52        | 1.50                                                                                              |
| 1.000       | 1.000                                                                                             |
| 35 °C       | 55 °C                                                                                             |
| 23 W        | 23 W                                                                                              |
| 23 W        | 23 W                                                                                              |
| 23 W        | 23 W                                                                                              |
| 0 W         | o w                                                                                               |
| Electricity | Electricity                                                                                       |
| 1.4 kW      | 6.1 kW                                                                                            |
| 5377 kWh    | 7477 kWh                                                                                          |
|             | 8.82  1.0  11.4 kW  2.72  10.6 kW  2.52  1.000  35 °C  23 W  23 W  23 W  0 W  Electricity  1.4 kW |

### Domestic Hot Water (DHW)





| EN 16147                        |            |
|---------------------------------|------------|
| Declared load profile           | XL         |
| Efficiency ηDHW                 | 109 %      |
| СОР                             | 2.63       |
| Heating up time                 | 1:11 h:min |
| Standby power input             | 43.2 W     |
| Reference hot water temperature | 51.5 °C    |
| Mixed water at 40°C             | 295.0      |

# Model: ERLA16DW1 / EBVH16SU23D6V

| Configure model                     |                           |  |
|-------------------------------------|---------------------------|--|
| Model name                          | ERLA16DW1 / EBVH16SU23D6V |  |
| 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                        | 16.00 kW | 15.63 kW |
| El input                           | 3.53 kW  | 5.68 kW  |
| СОР                                | 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





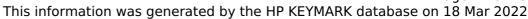
| EN 14511-2       |         |  |
|------------------|---------|--|
| +7°C/+12°C       |         |  |
| El input         | 4.68 kW |  |
| Cooling capacity | 13.63   |  |
| EER              | 2.91    |  |

### EN 14825





| This information was generated by the Fir KE | +7°C/+12°C |
|----------------------------------------------|------------|
| Pdesignc                                     | 13.60 kW   |
| SEER                                         | 5.76       |
| Pdc Tj = 35°C                                | 13.60 kW   |
| EER Tj = 35°C                                | 2.88       |
| Pdc Tj = 30°C                                | 9.70 kW    |
| EER Tj = 30°C                                | 4.58       |
| Cdc                                          | 0.990      |
| Pdc Tj = 25°C                                | 6.20 kW    |
| EER Tj = 25°C                                | 6.99       |
| Cdc                                          | 0.980      |
| Pdc Tj = 20°C                                | 5.90 kW    |
| EER Tj = 20°C                                | 8.69       |
| Cdc                                          | 0.970      |
| Poff                                         | 23 W       |
| РТО                                          | 23 W       |
| PSB                                          | 23 W       |
| PCK                                          | 0 W        |
| Annual energy consumption Qce                | 1417 kWh   |





| 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 %           | 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 | n/a             | 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                |





| 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        |
| РТО                                                 | 23 W        | 23 W        |
| PSB                                                 | 23 W        | 23 W        |
| PCK                                                 | 0 W         | o 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)





| EN 16147                        |            |  |
|---------------------------------|------------|--|
| Declared load profile           | XL         |  |
| Efficiency ηDHW                 | 109 %      |  |
| СОР                             | 2.63       |  |
| Heating up time                 | 1:11 h:min |  |
| Standby power input             | 43.2 W     |  |
| Reference hot water temperature | 51.5 °C    |  |
| Mixed water at 40°C             | 295.0 l    |  |



# Model: ERLA16DV3 / EBVH16S23D(6V/9W) + cooling kit

| Configure model                     |                                             |  |
|-------------------------------------|---------------------------------------------|--|
| Model name                          | ERLA16DV3 / EBVH16S23D(6V/9W) + cooling kit |  |
| Application                         | Heating + DHW + low temp                    |  |
| Units                               | Indoor + Outdoor                            |  |
| Climate Zone                        | n/a                                         |  |
| Reversibility                       | Yes                                         |  |
| Cooling mode application (optional) | +7°C/12°C                                   |  |

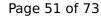
| General Data             |  |  |
|--------------------------|--|--|
| Power supply 1x230V 50Hz |  |  |

### Heating

| EN 14511-2                         |          |          |  |
|------------------------------------|----------|----------|--|
| Low temperature Medium temperature |          |          |  |
| Heat output                        | 16.00 kW | 15.63 kW |  |
| El input                           | 3.53 kW  | 5.68 kW  |  |
| СОР                                | 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 | 13.63   |  |
| EER              | 2.91    |  |

### EN 14825



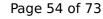


|                               | 1 7 8 C / 1 1 2 8 C |
|-------------------------------|---------------------|
|                               | +7°C/+12°C          |
| Pdesignc                      | 13.60 kW            |
| SEER                          | 5.76                |
| Pdc Tj = 35°C                 | 13.60 kW            |
| EER Tj = 35°C                 | 2.88                |
| Pdc Tj = 30°C                 | 9.70 kW             |
| EER Tj = 30°C                 | 4.58                |
| Cdc                           | 0.990               |
| Pdc Tj = 25°C                 | 6.20 kW             |
| EER Tj = 25°C                 | 6.99                |
| Cdc                           | 0.980               |
| Pdc Tj = 20°C                 | 5.90 kW             |
| EER Tj = 20°C                 | 8.69                |
| Cdc                           | 0.970               |
| Poff                          | 23 W                |
| PTO                           | 23 W                |
| PSB                           | 23 W                |
| PCK                           | 0 W                 |
| Annual energy consumption Qce | 1417 kWh            |



| 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)         |

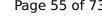
| EN 14825         |                 |                    |
|------------------|-----------------|--------------------|
|                  | Low temperature | Medium temperature |
| $\eta_{s}$       | 184 %           | 131 %              |
| Prated           | 12 kW           | 12 kW              |
| 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   | n/a             | 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                |





| 5.5 kW      | 5.3 kW                                                                                            |
|-------------|---------------------------------------------------------------------------------------------------|
| 8.82        | 6.60                                                                                              |
| 1.0         | 1.0                                                                                               |
| 11.4 kW     | 10.1 kW                                                                                           |
| 2.72        | 2.13                                                                                              |
| 10.6 kW     | 6.0 kW                                                                                            |
| 2.52        | 1.50                                                                                              |
| 1.000       | 1.000                                                                                             |
| 35 °C       | 55 °C                                                                                             |
| 23 W        | 23 W                                                                                              |
| 23 W        | 23 W                                                                                              |
| 23 W        | 23 W                                                                                              |
| 0 W         | 0 W                                                                                               |
| Electricity | Electricity                                                                                       |
| 1.4 kW      | 6.1 kW                                                                                            |
| 5293 kWh    | 7392 kWh                                                                                          |
|             | 8.82  1.0  11.4 kW  2.72  10.6 kW  2.52  1.000  35 °C  23 W  23 W  23 W  0 W  Electricity  1.4 kW |

### Domestic Hot Water (DHW)





# $$\operatorname{\textit{Page}}\xspace$ 55 of 73 This information was generated by the HP KEYMARK database on 18 Mar 2022

| EN 16147                        |            |  |
|---------------------------------|------------|--|
| Declared load profile           | XL         |  |
| Efficiency ηDHW                 | 109 %      |  |
| СОР                             | 2.63       |  |
| Heating up time                 | 1:11 h:min |  |
| Standby power input             | 43.2 W     |  |
| Reference hot water temperature | 51.5 °C    |  |
| Mixed water at 40°C             | 295.0      |  |



# Model: ERLA16DW1 / EBVH16S23D(6V/9W) + cooling kit

| Configure model                     |                                             |  |
|-------------------------------------|---------------------------------------------|--|
| Model name                          | ERLA16DW1 / EBVH16S23D(6V/9W) + cooling kit |  |
| Application                         | Heating + DHW + low temp                    |  |
| Units                               | Indoor + Outdoor                            |  |
| Climate Zone                        | n/a                                         |  |
| Reversibility                       | Yes                                         |  |
| Cooling mode application (optional) | +7°C/12°C                                   |  |

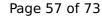
| General Data             |  |  |
|--------------------------|--|--|
| Power supply 3x400V 50Hz |  |  |

### Heating

| EN 14511-2  |                 |                    |
|-------------|-----------------|--------------------|
|             | Low temperature | Medium temperature |
| Heat output | 16.00 kW        | 15.63 kW           |
| El input    | 3.53 kW         | 5.68 kW            |
| СОР         | 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 |

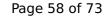
### Cooling





| EN 14511-2       |         |  |
|------------------|---------|--|
| +7°C/+12°C       |         |  |
| El input         | 4.68 kW |  |
| Cooling capacity | 13.63   |  |
| EER              | 2.91    |  |

#### EN 14825





|                               | +7°C/+12°C |
|-------------------------------|------------|
| Pdesignc                      | 13.60 kW   |
| SEER                          | 5.76       |
| Pdc Tj = 35°C                 | 13.60 kW   |
| EER Tj = 35°C                 | 2.88       |
| Pdc Tj = 30°C                 | 9.70 kW    |
| EER Tj = 30°C                 | 4.58       |
| Cdc                           | 0.990      |
| Pdc Tj = 25°C                 | 6.20 kW    |
| EER Tj = 25°C                 | 6.99       |
| Cdc                           | 0.980      |
| Pdc Tj = 20°C                 | 5.90 kW    |
| EER Tj = 20°C                 | 8.69       |
| Cdc                           | 0.970      |
| Poff                          | 23 W       |
| РТО                           | 23 W       |
| PSB                           | 23 W       |
| PCK                           | o w        |
| Annual energy consumption Qce | 1417 kWh   |





| 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)         |

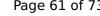
| EN 14825       |                 |                    |
|----------------|-----------------|--------------------|
|                | Low temperature | Medium temperature |
| $\eta_{s}$     | 184 %           | 131 %              |
| Prated         | 12 kW           | 12 kW              |
| SCOP           | 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 | n/a             | 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                |





| 5.5 kW      | 5.3 kW                                                                                            |
|-------------|---------------------------------------------------------------------------------------------------|
| 8.82        | 6.60                                                                                              |
| 1.0         | 1.0                                                                                               |
| 11.4 kW     | 10.1 kW                                                                                           |
| 2.72        | 2.13                                                                                              |
| 10.6 kW     | 6.0 kW                                                                                            |
| 2.52        | 1.50                                                                                              |
| 1.000       | 1.000                                                                                             |
| 35 °C       | 55 °C                                                                                             |
| 23 W        | 23 W                                                                                              |
| 23 W        | 23 W                                                                                              |
| 23 W        | 23 W                                                                                              |
| 0 W         | 0 W                                                                                               |
| Electricity | Electricity                                                                                       |
| 1.4 kW      | 6.1 kW                                                                                            |
| 5293 kWh    | 7392 kWh                                                                                          |
|             | 8.82  1.0  11.4 kW  2.72  10.6 kW  2.52  1.000  35 °C  23 W  23 W  23 W  0 W  Electricity  1.4 kW |

Domestic Hot Water (DHW)





# $$\operatorname{\textit{Page}}\xspace$ 61 of 73 This information was generated by the HP KEYMARK database on 18 Mar 2022

| EN 16147                        |            |  |
|---------------------------------|------------|--|
| Declared load profile           | XL         |  |
| Efficiency ηDHW                 | 109 %      |  |
| СОР                             | 2.63       |  |
| Heating up time                 | 1:11 h:min |  |
| Standby power input             | 43.2 W     |  |
| Reference hot water temperature | 51.5 °C    |  |
| Mixed water at 40°C             | 295.0      |  |



# Model: ERLA16DV3 / EBVZ16S23D(6V/9W) + cooling kit

| Configure model                     |                                             |  |
|-------------------------------------|---------------------------------------------|--|
| Model name                          | ERLA16DV3 / EBVZ16S23D(6V/9W) + cooling kit |  |
| Application                         | Heating + DHW + low temp                    |  |
| Units                               | Indoor + Outdoor                            |  |
| Climate Zone                        | n/a                                         |  |
| Reversibility                       | Yes                                         |  |
| Cooling mode application (optional) | +7°C/12°C                                   |  |

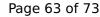
| General Data |             |  |
|--------------|-------------|--|
| Power supply | 1x230V 50Hz |  |

### Heating

| EN 14511-2  |                 |                    |  |
|-------------|-----------------|--------------------|--|
|             | Low temperature | Medium temperature |  |
| Heat output | 16.00 kW        | 15.63 kW           |  |
| El input    | 3.53 kW         | 5.68 kW            |  |
| СОР         | 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 |

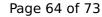
### Cooling





| EN 14511-2       |         |  |
|------------------|---------|--|
| +7°C/+12°C       |         |  |
| El input         | 4.68 kW |  |
| Cooling capacity | 13.63   |  |
| EER              | 2.91    |  |

### EN 14825





|                               | 1 7 8 C / 1 1 2 8 C |
|-------------------------------|---------------------|
|                               | +7°C/+12°C          |
| Pdesignc                      | 13.60 kW            |
| SEER                          | 5.76                |
| Pdc Tj = 35°C                 | 13.60 kW            |
| EER Tj = 35°C                 | 2.88                |
| Pdc Tj = 30°C                 | 9.70 kW             |
| EER Tj = 30°C                 | 4.58                |
| Cdc                           | 0.990               |
| Pdc Tj = 25°C                 | 6.20 kW             |
| EER Tj = 25°C                 | 6.99                |
| Cdc                           | 0.980               |
| Pdc Tj = 20°C                 | 5.90 kW             |
| EER Tj = 20°C                 | 8.69                |
| Cdc                           | 0.970               |
| Poff                          | 23 W                |
| PTO                           | 23 W                |
| PSB                           | 23 W                |
| PCK                           | 0 W                 |
| Annual energy consumption Qce | 1417 kWh            |



| 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)         |

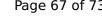
| EN 14825                |                 |                    |
|-------------------------|-----------------|--------------------|
|                         | Low temperature | Medium temperature |
| $\eta_{s}$              | 184 %           | 131 %              |
| Prated                  | 12 kW           | 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          | n/a             | 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 = $+7^{\circ}$ C | 4.7 kW          | 4.4 kW             |
| COP Tj = +7°C           | 6.83            | 4.93               |
| Cdh Tj = +7 °C          | 1.0             | 1.0                |





| 5.5 kW      | 5.3 kW                                                                                            |
|-------------|---------------------------------------------------------------------------------------------------|
| 8.82        | 6.60                                                                                              |
| 1.0         | 1.0                                                                                               |
| 11.4 kW     | 10.1 kW                                                                                           |
| 2.72        | 2.13                                                                                              |
| 10.6 kW     | 6.0 kW                                                                                            |
| 2.52        | 1.50                                                                                              |
| 1.000       | 1.000                                                                                             |
| 35 °C       | 55 °C                                                                                             |
| 23 W        | 23 W                                                                                              |
| 23 W        | 23 W                                                                                              |
| 23 W        | 23 W                                                                                              |
| 0 W         | 0 W                                                                                               |
| Electricity | Electricity                                                                                       |
| 1.4 kW      | 6.1 kW                                                                                            |
| 5293 kWh    | 7392 kWh                                                                                          |
|             | 8.82  1.0  11.4 kW  2.72  10.6 kW  2.52  1.000  35 °C  23 W  23 W  23 W  0 W  Electricity  1.4 kW |

Domestic Hot Water (DHW)





 $$\operatorname{\textit{Page}}\xspace$  67 of 73 This information was generated by the HP KEYMARK database on 18 Mar 2022

| EN 16147                        |            |  |
|---------------------------------|------------|--|
| Declared load profile           | XL         |  |
| Efficiency ηDHW                 | 109 %      |  |
| СОР                             | 2.63       |  |
| Heating up time                 | 1:11 h:min |  |
| Standby power input             | 43.2 W     |  |
| Reference hot water temperature | 51.5 °C    |  |
| Mixed water at 40°C             | 295.0      |  |



# Model: ERLA16DW1 / EBVZ16S23D(6V/9W) + cooling kit

| Configure model                     |                                             |  |
|-------------------------------------|---------------------------------------------|--|
| Model name                          | ERLA16DW1 / EBVZ16S23D(6V/9W) + cooling kit |  |
| Application                         | Heating + DHW + low temp                    |  |
| Units                               | Indoor + Outdoor                            |  |
| Climate Zone                        | n/a                                         |  |
| Reversibility                       | Yes                                         |  |
| Cooling mode application (optional) | +7°C/12°C                                   |  |

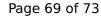
| General Data |             |  |
|--------------|-------------|--|
| Power supply | 3x400V 50Hz |  |

### Heating

| EN 14511-2  |                 |                    |
|-------------|-----------------|--------------------|
|             | Low temperature | Medium temperature |
| Heat output | 16.00 kW        | 15.63 kW           |
| El input    | 3.53 kW         | 5.68 kW            |
| СОР         | 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 | 13.63      |
| EER              | 2.91       |

#### EN 14825



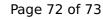


|                               | +7°C/+12°C |
|-------------------------------|------------|
|                               | +7 C/+12 C |
| Pdesignc                      | 13.60 kW   |
| SEER                          | 5.76       |
| Pdc Tj = 35°C                 | 13.60 kW   |
| EER Tj = 35°C                 | 2.88       |
| Pdc Tj = 30°C                 | 9.70 kW    |
| EER Tj = 30°C                 | 4.58       |
| Cdc                           | 0.990      |
| Pdc Tj = 25°C                 | 6.20 kW    |
| EER Tj = 25°C                 | 6.99       |
| Cdc                           | 0.980      |
| Pdc Tj = 20°C                 | 5.90 kW    |
| EER Tj = 20°C                 | 8.69       |
| Cdc                           | 0.970      |
| Poff                          | 23 W       |
| PTO                           | 23 W       |
| PSB                           | 23 W       |
| PCK                           | 0 W        |
| Annual energy consumption Qce | 1417 kWh   |



| 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)         |

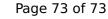
| EN 14825                |                 |                    |
|-------------------------|-----------------|--------------------|
|                         | Low temperature | Medium temperature |
| $\eta_{s}$              | 184 %           | 131 %              |
| Prated                  | 12 kW           | 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          | n/a             | 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 = $+7^{\circ}$ C | 4.7 kW          | 4.4 kW             |
| COP Tj = +7°C           | 6.83            | 4.93               |
| Cdh Tj = +7 °C          | 1.0             | 1.0                |





| 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        |
| РТО                                                 | 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)





| EN 16147                        |            |
|---------------------------------|------------|
| Declared load profile           | XL         |
| Efficiency ηDHW                 | 109 %      |
| СОР                             | 2.63       |
| Heating up time                 | 1:11 h:min |
| Standby power input             | 43.2 W     |
| Reference hot water temperature | 51.5 °C    |
| Mixed water at 40°C             | 295.0 l    |