

| Summary of | DAIKIN ALTHERMA 3 H HT 18KW (500L) | Reg. No. | 011-1W0364 |
|----------------------------|---|----------|------------|
| Certificate Holder | | | |
| Name | DAIKIN Europe N.V. | | |
| Address | Zandvoordestraat 300 Zip B-8400 | | B-8400 |
| City | Oostende | Country | Belgium |
| Certification Body | DIN CERTCO Gesellschaft für Konformitätsbewertung mbH | | |
| Name of testing laboratory | Danish Technological Institute (DTI) | | |
| Subtype title | DAIKIN ALTHERMA 3 H HT 18KW (500L) | | |
| Heat Pump Type | Outdoor Air/Water | | |
| Refrigerant | R32 | | |
| Mass Of Refrigerant | 4.2 kg | | |
| Certification Date | 07.02.2020 | | |



Model: EPRA18DV / ETSH16P50D

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

Heating

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

| EN 14511-2 | | |
|------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 9.00 kW | 7.24 kW |
| El input | 1.80 kW | 2.41 kW |
| СОР | 5.00 | 3.01 |
| Indoor water flow rate | 1.55 m³/h | 0.89 m³/h |



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 46 dB(A) | 46 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

| EN 14825 | | |
|---------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 177 % | 140 % |
| Prated | 13.00 kW | 13.00 kW |
| SCOP | 4.51 | 3.58 |
| Tbiv | -7 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.10 kW | 11.20 kW |
| COP Tj = -7°C | 3.12 | 2.47 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = +2°C | 6.70 kW | 6.90 kW |
| COP Tj = +2°C | 4.44 | 3.56 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = +7°C | 5.70 kW | 6.90 kW |
| COP Tj = +7°C | 5.84 | 4.44 |
| Cdh | 1.00 | 1.00 |



| Pdh Tj = 12°C | 6.00 kW | 6.20 kW |
|--|------------|------------|
| COP Tj = 12°C | 7.40 | 5.72 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = Tbiv | 11.10 kW | 12.20 kW |
| COP Tj = Tbiv | 3.12 | 2.19 |
| Pdh Tj = TOL | 11.10 kW | 12.20 kW |
| COP Tj = TOL | 2.76 | 2.19 |
| WTOL | 35 °C | 55 °C |
| Poff | 21 W | 21 W |
| РТО | 41 W | 41 W |
| PSB | 21 W | 21 W |
| PCK | o w | o w |
| Supplementary Heater: Type of energy input | electrical | electrical |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 5726 kWh | 7211 kWh |

Domestic Hot Water (DHW)





| EN 16147 | | |
|---------------------------------|------------|--|
| Declared load profile | XL | |
| Efficiency ηDHW | 115 % | |
| СОР | 2.75 | |
| Heating up time | 2:18 h:min | |
| Standby power input | 51.0 W | |
| Reference hot water temperature | 47.0 °C | |
| Mixed water at 40°C | 237 | |



Model: EPRA18DV / ETSHB16P50D

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

Heating

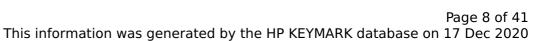
| EN 14511-4 | | |
|--|--------|--|
| Shutting off the heat transfer medium flow | passed | |
| Complete power supply failure | passed | |
| Defrost test | passed | |
| Starting and operating test | passed | |

| EN 14511-2 | | |
|------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 9.00 kW | 7.24 kW |
| El input | 1.80 kW | 2.41 kW |
| СОР | 5.00 | 3.01 |
| Indoor water flow rate | 1.55 m³/h | 0.89 m³/h |



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 46 dB(A) | 46 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

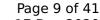
| EN 14825 | | |
|---------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 177 % | 140 % |
| Prated | 13.00 kW | 13.00 kW |
| SCOP | 4.51 | 3.58 |
| Tbiv | -7 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.10 kW | 11.20 kW |
| COP Tj = -7°C | 3.12 | 2.47 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = +2°C | 6.70 kW | 6.90 kW |
| COP Tj = +2°C | 4.44 | 3.56 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = +7°C | 5.70 kW | 6.90 kW |
| COP Tj = +7°C | 5.84 | 4.44 |
| Cdh | 1.00 | 1.00 |



| Pdh Tj = 12°C | 6.00 kW | 6.20 kW |
|--|------------|------------|
| COP Tj = 12°C | 7.40 | 5.72 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = Tbiv | 11.10 kW | 12.20 kW |
| COP Tj = Tbiv | 3.12 | 2.19 |
| Pdh Tj = TOL | 11.10 kW | 12.20 kW |
| COP Tj = TOL | 2.76 | 2.19 |
| WTOL | 35 °C | 55 °C |
| Poff | 21 W | 21 W |
| РТО | 41 W | 41 W |
| PSB | 21 W | 21 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | electrical | electrical |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 5726 kWh | 7211 kWh |

Domestic Hot Water (DHW)

CEN heat pump KEYMARK





| EN 16147 | | |
|---------------------------------|------------|--|
| Declared load profile | XL | |
| Efficiency ηDHW | 108 % | |
| СОР | 2.58 | |
| Heating up time | 2:11 h:min | |
| Standby power input | 57.6 W | |
| Reference hot water temperature | 48.0 °C | |
| Mixed water at 40°C | 211 | |



Model: EPRA18DW / ETSH16P50D

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

Heating

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

| EN 14511-2 | | | |
|------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Heat output | 9.00 kW | 7.24 kW | |
| El input | 1.80 kW | 2.47 kW | |
| СОР | 5.00 | 2.93 | |
| Indoor water flow rate | 1.55 m³/h | 0.89 m³/h | |



 $$\operatorname{\textit{Page}}\ 11$ of 41$$ This information was generated by the HP KEYMARK database on 17 Dec 2020

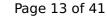
| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 46 dB(A) | 46 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

| EN 14825 | | |
|---------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 176 % | 140 % |
| Prated | 13.00 kW | 13.00 kW |
| SCOP | 4.48 | 3.57 |
| Tbiv | -7 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 10.72 kW | 11.10 kW |
| COP Tj = -7°C | 2.97 | 2.43 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = +2°C | 6.87 kW | 6.70 kW |
| COP Tj = +2°C | 4.94 | 3.52 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = +7°C | 6.10 kW | 6.50 kW |
| COP Tj = +7°C | 5.75 | 4.54 |
| Cdh | 1.00 | 1.00 |



| | Teracea by the fire Refire | |
|--|----------------------------|------------|
| Pdh Tj = 12°C | 5.50 kW | 5.20 kW |
| COP Tj = 12°C | 6.97 | 5.97 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = Tbiv | 10.72 kW | 12.50 kW |
| COP Tj = Tbiv | 2.97 | 2.12 |
| Pdh Tj = TOL | 11.80 kW | 12.50 kW |
| COP Tj = TOL | 2.84 | 2.12 |
| WTOL | 35 °C | 55 °C |
| Poff | 31 W | 31 W |
| РТО | 33 W | 33 W |
| PSB | 42 W | 42 W |
| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | electrical | electrical |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 5765 kWh | 7236 kWh |

Domestic Hot Water (DHW)





| EN 16147 | | |
|---------------------------------|------------|--|
| Declared load profile | XL | |
| Efficiency ηDHW | 111 % | |
| СОР | 2.67 | |
| Heating up time | 2:18 h:min | |
| Standby power input | 51.0 W | |
| Reference hot water temperature | 47.0 °C | |
| Mixed water at 40°C | 237 | |



Model: EPRA18DW / ETSHB16P50D

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

Heating

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

| EN 14511-2 | | |
|------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 9.00 kW | 7.24 kW |
| El input | 1.80 kW | 2.47 kW |
| СОР | 5.00 | 2.93 |
| Indoor water flow rate | 1.55 m³/h | 0.89 m³/h |



 $$\operatorname{\textit{Page}}\ 15$$ of 41 This information was generated by the HP KEYMARK database on 17 Dec 2020

| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 46 dB(A) | 46 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

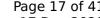
| EN 14825 | | |
|---------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 176 % | 140 % |
| Prated | 13.00 kW | 13.00 kW |
| SCOP | 4.48 | 3.57 |
| Tbiv | -7 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 10.72 kW | 11.10 kW |
| COP Tj = -7°C | 2.97 | 2.43 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = +2°C | 6.87 kW | 6.70 kW |
| COP Tj = +2°C | 4.94 | 3.52 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = +7°C | 6.10 kW | 6.50 kW |
| COP Tj = +7°C | 5.75 | 4.54 |
| Cdh | 1.00 | 1.00 |



 $$\operatorname{\textit{Page}}\ 16$$ of 41 This information was generated by the HP KEYMARK database on 17 Dec 2020

| Pdh Tj = 12°C | 5.50 kW | 5.20 kW |
|--|------------|------------|
| COP Tj = 12°C | 6.97 | 5.97 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = Tbiv | 10.72 kW | 12.50 kW |
| COP Tj = Tbiv | 2.97 | 2.12 |
| Pdh Tj = TOL | 11.80 kW | 12.50 kW |
| COP Tj = TOL | 2.84 | 2.12 |
| WTOL | 35 °C | 55 °C |
| Poff | 31 W | 31 W |
| РТО | 33 W | 33 W |
| PSB | 42 W | 42 W |
| PCK | o w | o w |
| Supplementary Heater: Type of energy input | electrical | electrical |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 5765 kWh | 7236 kWh |

Domestic Hot Water (DHW)





 $$\operatorname{Page}\ 17$$ of 41 This information was generated by the HP KEYMARK database on 17 Dec 2020

| EN 16147 | |
|---------------------------------|------------|
| Declared load profile | XL |
| Efficiency ηDHW | 115 % |
| СОР | 2.75 |
| Heating up time | 1:46 h:min |
| Standby power input | 57.1 W |
| Reference hot water temperature | 47.0 °C |
| Mixed water at 40°C | 216 |



Model: EPRA18DV / ETSX16P50D

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

Heating

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

| EN 14511-2 | | |
|------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 9.00 kW | 7.24 kW |
| El input | 1.80 kW | 2.41 kW |
| СОР | 5.00 | 3.01 |
| Indoor water flow rate | 1.55 m³/h | 0.89 m³/h |



 $$\operatorname{\textit{Page}}\ 19$ of 41$$ This information was generated by the HP KEYMARK database on 17 Dec 2020

| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 46 dB(A) | 46 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

| EN 14825 | | |
|---------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 180 % | 142 % |
| Prated | 13.00 kW | 13.00 kW |
| SCOP | 4.57 | 3.62 |
| Tbiv | -7 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.10 kW | 11.20 kW |
| COP Tj = -7°C | 3.12 | 2.47 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = +2°C | 6.70 kW | 6.90 kW |
| COP Tj = +2°C | 4.44 | 3.56 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = +7°C | 5.70 kW | 6.90 kW |
| COP Tj = +7°C | 5.84 | 4.44 |
| Cdh | 1.00 | 1.00 |



 $$\operatorname{\textit{Page}}\xspace$ 20 of 41 This information was generated by the HP KEYMARK database on 17 Dec 2020

| Pdh Tj = 12°C | 6.00 kW | 6.20 kW |
|--|------------|------------|
| COP Tj = 12°C | 7.40 | 5.72 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = Tbiv | 11.10 kW | 12.20 kW |
| COP Tj = Tbiv | 3.12 | 2.19 |
| Pdh Tj = TOL | 11.10 kW | 12.20 kW |
| COP Tj = TOL | 2.76 | 2.19 |
| WTOL | 35 °C | 55 °C |
| Poff | 21 W | 21 W |
| РТО | 41 W | 41 W |
| PSB | 21 W | 21 W |
| PCK | 0 W | o w |
| Supplementary Heater: Type of energy input | electrical | electrical |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 5649 kWh | 7134 kWh |

Cooling

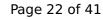




 $$\operatorname{\textit{Page}}\xspace$ 21 of 41 This information was generated by the HP KEYMARK database on 17 Dec 2020

| EN 14511-2 | |
|------------------------|------------|
| | +7°C/+12°C |
| El input | 2.54 kW |
| Indoor water flow rate | 1.49 m³/h |
| Cooling capacity | 8.86 |
| EER | 2.68 |

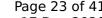
EN 14825





| This information was generated by the Fill RE | +7°C/+12°C |
|---|------------|
| Pdesignc | 8.80 kW |
| SEER | 4.17 |
| Pdc Tj = 35°C | 8.86 kW |
| EER Tj = 35°C | 2.68 |
| Pdc Tj = 30°C | 6.61 kW |
| EER Tj = 30°C | 3.72 |
| Cdc | 1.0 |
| Pdc Tj = 25°C | 5.12 kW |
| EER Tj = 25°C | 4.68 |
| Cdc | 1.0 |
| Pdc Tj = 20°C | 5.31 kW |
| EER Tj = 20°C | 5.81 |
| Cdc | 1.0 |
| Poff | 21 W |
| РТО | 41 W |
| PSB | 21 W |
| PCK | o w |
| Annual energy consumption Qce | 1266 kWh |

Domestic Hot Water (DHW)





$$\operatorname{\textit{Page}}\xspace$ 23 of 41 This information was generated by the HP KEYMARK database on 17 Dec 2020

| EN 16147 | |
|---------------------------------|------------|
| Declared load profile | XL |
| Efficiency ηDHW | 115 % |
| СОР | 2.75 |
| Heating up time | 2:18 h:min |
| Standby power input | 51.0 W |
| Reference hot water temperature | 47.0 °C |
| Mixed water at 40°C | 237 |



Model: EPRA18DV / ETSXB16P50D

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

Heating

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

| EN 14511-2 | | |
|------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 9.00 kW | 7.24 kW |
| El input | 1.80 kW | 2.41 kW |
| СОР | 5.00 | 3.01 |
| Indoor water flow rate | 1.55 m³/h | 0.89 m³/h |



 $$\operatorname{\textit{Page}}\xspace$ 25 of 41 This information was generated by the HP KEYMARK database on 17 Dec 2020

| | EN 12102-1 | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 46 dB(A) | 46 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

| EN 14825 | | |
|---------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 180 % | 142 % |
| Prated | 13.00 kW | 13.00 kW |
| SCOP | 4.57 | 3.62 |
| Tbiv | -7 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.10 kW | 11.20 kW |
| COP Tj = -7°C | 3.12 | 2.47 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = +2°C | 6.70 kW | 6.90 kW |
| COP Tj = +2°C | 4.44 | 3.56 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = +7°C | 5.70 kW | 6.90 kW |
| COP Tj = +7°C | 5.84 | 4.44 |
| Cdh | 1.00 | 1.00 |



$$\operatorname{\textit{Page}}\xspace$ 26 of 41 This information was generated by the HP KEYMARK database on 17 Dec 2020

| Pdh Tj = 12°C | 6.00 kW | 6.20 kW |
|--|------------|------------|
| COP Tj = 12°C | 7.40 | 5.72 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = Tbiv | 11.10 kW | 12.20 kW |
| COP Tj = Tbiv | 3.12 | 2.19 |
| Pdh Tj = TOL | 11.10 kW | 12.20 kW |
| COP Tj = TOL | 2.76 | 2.19 |
| WTOL | 35 °C | 55 °C |
| Poff | 21 W | 21 W |
| РТО | 41 W | 41 W |
| PSB | 21 W | 21 W |
| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | electrical | electrical |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 5649 kWh | 7134 kWh |

Cooling

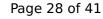




 $$\operatorname{\textit{Page}}\xspace$ 27 of 41 This information was generated by the HP KEYMARK database on 17 Dec 2020

| EN 14511-2 | |
|------------------------|------------|
| | +7°C/+12°C |
| El input | 2.54 kW |
| Indoor water flow rate | 1.49 m³/h |
| Cooling capacity | 8.86 |
| EER | 2.68 |

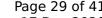
EN 14825





| This information was generated by the Fir KE | +7°C/+12°C |
|--|------------|
| Pdesignc | 8.80 kW |
| SEER | 4.17 |
| Pdc Tj = 35°C | 8.86 kW |
| EER Tj = 35°C | 2.68 |
| Pdc Tj = 30°C | 6.61 kW |
| EER Tj = 30°C | 3.72 |
| Cdc | 1.0 |
| Pdc Tj = 25°C | 5.12 kW |
| EER Tj = 25°C | 4.68 |
| Cdc | 1.0 |
| Pdc Tj = 20°C | 5.31 kW |
| EER Tj = 20°C | 5.81 |
| Cdc | 1.0 |
| Poff | 21 W |
| РТО | 41 W |
| PSB | 21 W |
| PCK | 0 W |
| Annual energy consumption Qce | 1266 kWh |

Domestic Hot Water (DHW)





$$\operatorname{\textit{Page}}\xspace$ 29 of 41 This information was generated by the HP KEYMARK database on 17 Dec 2020

| EN 16147 | |
|---------------------------------|------------|
| Declared load profile | XL |
| Efficiency ηDHW | 108 % |
| СОР | 2.58 |
| Heating up time | 2:11 h:min |
| Standby power input | 57.6 W |
| Reference hot water temperature | 48.0 °C |
| Mixed water at 40°C | 211 |



Model: EPRA18DW / ETSX16P50D

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

Heating

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

| EN 14511-2 | | | |
|------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Heat output | 9.00 kW | 7.24 kW | |
| El input | 1.80 kW | 2.47 kW | |
| СОР | 5.00 | 2.93 | |
| Indoor water flow rate | 1.55 m³/h | 0.89 m³/h | |



 $$\operatorname{\textit{Page}}\ 31$$ of 41 This information was generated by the HP KEYMARK database on 17 Dec 2020

| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 46 dB(A) | 46 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

| EN 14825 | | |
|---------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 180 % | 142 % |
| Prated | 13.00 kW | 13.00 kW |
| SCOP | 4.57 | 3.63 |
| Tbiv | -7 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 10.72 kW | 11.10 kW |
| COP Tj = -7°C | 2.97 | 2.43 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = +2°C | 6.87 kW | 6.70 kW |
| COP Tj = +2°C | 4.94 | 3.52 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = +7°C | 6.10 kW | 6.50 kW |
| COP Tj = +7°C | 5.75 | 4.54 |
| Cdh | 1.00 | 1.00 |



| Pdh Tj = 12°C | 5.50 kW | 5.20 kW |
|--|------------|------------|
| COP Tj = 12°C | 6.97 | 5.97 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = Tbiv | 10.72 kW | 12.50 kW |
| COP Tj = Tbiv | 2.97 | 2.12 |
| Pdh Tj = TOL | 11.80 kW | 12.50 kW |
| COP Tj = TOL | 2.84 | 2.12 |
| WTOL | 35 °C | 55 °C |
| Poff | 31 W | 31 W |
| РТО | 33 W | 33 W |
| PSB | 42 W | 42 W |
| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | electrical | electrical |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 5651 kWh | 7122 kWh |

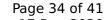
Cooling





| EN 14511-2 | | |
|------------------------|-----------|--|
| +7°C/+12°C | | |
| El input | 3.32 kW | |
| Indoor water flow rate | 1.49 m³/h | |
| Cooling capacity | 8.86 | |
| EER | 2.68 | |

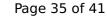
EN 14825





| | +7°C/+12°C |
|-------------------------------|------------|
| Pdesignc | 8.80 kW |
| SEER | 4.07 |
| Pdc Tj = 35°C | 8.86 kW |
| EER Tj = 35°C | 2.68 |
| Pdc Tj = 30°C | 6.61 kW |
| EER Tj = 30°C | 3.72 |
| Cdc | 1.0 |
| Pdc Tj = 25°C | 5.12 kW |
| EER Tj = 25°C | 4.68 |
| Cdc | 1.0 |
| Pdc Tj = 20°C | 5.31 kW |
| EER Tj = 20°C | 5.81 |
| Cdc | 1.0 |
| Poff | 31 W |
| РТО | 33 W |
| PSB | 42 W |
| PCK | o w |
| Annual energy consumption Qce | 1296 kWh |

Domestic Hot Water (DHW)





| EN 16147 | | |
|---------------------------------|------------|--|
| Declared load profile | XL | |
| Efficiency ηDHW | 111 % | |
| СОР | 2.67 | |
| Heating up time | 2:18 h:min | |
| Standby power input | 51.0 W | |
| Reference hot water temperature | 47.0 °C | |
| Mixed water at 40°C | 237 | |



Model: EPRA18DW / ETSXB16P50D

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

Heating

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

| EN 14511-2 | | | |
|------------------------------------|-----------|-----------|--|
| Low temperature Medium temperature | | | |
| Heat output | 9.00 kW | 7.24 kW | |
| El input | 1.80 kW | 2.47 kW | |
| СОР | 5.00 | 2.93 | |
| Indoor water flow rate | 1.55 m³/h | 0.89 m³/h | |



 $$\operatorname{\textit{Page}}\xspace$ 37 of 41 This information was generated by the HP KEYMARK database on 17 Dec 2020

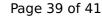
| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 46 dB(A) | 46 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

| EN 14825 | | | | |
|---------------|-----------------|--------------------|--|--|
| | Low temperature | Medium temperature | | |
| η_{s} | 180 % | 142 % | | |
| Prated | 13.00 kW | 13.00 kW | | |
| SCOP | 4.57 | 3.63 | | |
| Tbiv | -7 °C | -10 °C | | |
| TOL | -10 °C | -10 °C | | |
| Pdh Tj = -7°C | 10.72 kW | 11.10 kW | | |
| COP Tj = -7°C | 2.97 | 2.43 | | |
| Cdh | 1.00 | 1.00 | | |
| Pdh Tj = +2°C | 6.87 kW | 6.70 kW | | |
| COP Tj = +2°C | 4.94 | 3.52 | | |
| Cdh | 1.00 | 1.00 | | |
| Pdh Tj = +7°C | 6.10 kW | 6.50 kW | | |
| COP Tj = +7°C | 5.75 | 4.54 | | |
| Cdh | 1.00 | 1.00 | | |



| Pdh Tj = 12°C | 5.50 kW | 5.20 kW |
|--|------------|------------|
| COP Tj = 12°C | 6.97 | 5.97 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = Tbiv | 10.72 kW | 12.50 kW |
| COP Tj = Tbiv | 2.97 | 2.12 |
| Pdh Tj = TOL | 11.80 kW | 12.50 kW |
| COP Tj = TOL | 2.84 | 2.12 |
| WTOL | 35 °C | 55 °C |
| Poff | 31 W | 31 W |
| РТО | 33 W | 33 W |
| PSB | 42 W | 42 W |
| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | electrical | electrical |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 5651 kWh | 7122 kWh |

Cooling





| EN 14511-2 | | |
|------------------------|------------|--|
| | +7°C/+12°C | |
| El input | 3.32 kW | |
| Indoor water flow rate | 1.49 m³/h | |
| Cooling capacity | 8.86 | |
| EER | 2.68 | |

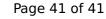
EN 14825





| This information was generated by the Fill RE | +7°C/+12°C |
|---|------------|
| Pdesignc | 8.80 kW |
| SEER | 4.07 |
| Pdc Tj = 35°C | 8.86 kW |
| EER Tj = 35°C | 2.68 |
| Pdc Tj = 30°C | 6.61 kW |
| EER Tj = 30°C | 3.72 |
| Cdc | 1.0 |
| Pdc Tj = 25°C | 5.12 kW |
| EER Tj = 25°C | 4.68 |
| Cdc | 1.0 |
| Pdc Tj = 20°C | 5.31 kW |
| EER Tj = 20°C | 5.81 |
| Cdc | 1.0 |
| Poff | 31 W |
| РТО | 33 W |
| PSB | 42 W |
| PCK | o w |
| Annual energy consumption Qce | 1296 kWh |

Domestic Hot Water (DHW)





| EN 16147 | | |
|---------------------------------|------------|--|
| Declared load profile | XL | |
| Efficiency ηDHW | 115 % | |
| СОР | 2.75 | |
| Heating up time | 1:46 h:min | |
| Standby power input | 57.1 W | |
| Reference hot water temperature | 47.0 °C | |
| Mixed water at 40°C | 216 | |