

This information was generated by the HP KEYMARK database on 17 Dec 2020

| | | | |
|----------------------------|---|----------|------------|
| Summary of | DAIKIN ALTHERMA 3 M 9KW | Reg. No. | 011-1W0423 |
| 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 | | |
| Name of testing laboratory | Danish Technological Institute (DTI) | | |
| Subtype title | DAIKIN ALTHERMA 3 M 9KW | | |
| Heat Pump Type | Outdoor Air/Water | | |
| Refrigerant | R32 | | |
| Mass Of Refrigerant | 3.8 kg | | |
| Certification Date | 27.10.2020 | | |
| Testing basis | HP KEYMARK certification scheme rules rev. 7 | | |

Model: EBLA09D(3)V3

General Data

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

Heating

EN 14511-2

| | Low temperature | Medium temperature |
|------------------------|------------------------|------------------------|
| Heat output | 9.37 kW | 9.57 kW |
| El input | 1.91 kW | 3.29 kW |
| COP | 4.91 | 2.91 |
| Indoor water flow rate | 1.61 m ³ /h | 1.18 m ³ /h |

EN 14511-4

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

Average Climate

This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1

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

EN 14825

| | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| η_s | 190 % | 135 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 4.82 | 3.44 |
| Tbiv | -9 °C | -8 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 8.50 kW | 8.50 kW |
| COP Tj = -7°C | 3.07 | 2.09 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = +2°C | 5.50 kW | 5.00 kW |
| COP Tj = +2°C | 4.52 | 3.28 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = +7°C | 4.70 kW | 4.40 kW |
| COP Tj = +7°C | 6.78 | 4.80 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = 12°C | 5.50 kW | 5.30 kW |

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| | | |
|--|------------|------------|
| COP Tj = 12°C | 8.75 | 6.45 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = Tbiv | 8.70 kW | 8.80 kW |
| COP Tj = Tbiv | 2.75 | 1.92 |
| Pdh Tj = TOL | 8.30 kW | 6.80 kW |
| COP Tj = TOL | 2.64 | 1.70 |
| WTOL | 35 °C | 55 °C |
| Poff | 23 W | 23 W |
| PTO | 23 W | 23 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electrical | Electrical |
| Supplementary Heater: PSUP | 0.70 kW | 2.20 kW |
| Annual energy consumption Qhe | 3854 kWh | 5404 kWh |

Warmer Climate

| EN 14825 | | |
|-----------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| η_s | 243 % | 162 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 6.20 | 4.26 |

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| | | |
|--|------------|------------|
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 9.00 kW | 9.00 kW |
| COP Tj = +2°C | 3.36 | 2.12 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = +7°C | 5.90 kW | 6.20 kW |
| COP Tj = +7°C | 5.59 | 3.65 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = 12°C | 5.20 kW | 5.00 kW |
| COP Tj = 12°C | 7.87 | 5.68 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = Tbiv | 9.00 kW | 9.00 kW |
| COP Tj = Tbiv | 3.36 | 2.12 |
| Pdh Tj = TOL | 9.00 kW | 9.00 kW |
| COP Tj = TOL | 3.36 | 2.12 |
| WTOL | 35 °C | 55 °C |
| Poff | 23 W | 23 W |
| PTO | 23 W | 23 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electrical | Electrical |

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| | | |
|---|----------|----------|
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Q _{he} | 1938 kWh | 2820 kWh |

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

Cooling

| EN 14511-2 | |
|------------------------|------------------------|
| | +7°C/+12°C |
| El input | 2.79 kW |
| Indoor water flow rate | 1.61 m ³ /h |
| Cooling capacity | 9.35 |
| EER | 3.35 |

| EN 14825 |
|-----------------|
|-----------------|

This information was generated by the HP KEYMARK database on 17 Dec 2020

| | |
|---|-------------------|
| | +7°C/+12°C |
| P _{designc} | 9.30 kW |
| SEER | 5.62 |
| P _{dc} T _j = 35°C | 9.40 kW |
| EER T _j = 35°C | 3.35 |
| P _{dc} T _j = 30°C | 7.00 kW |
| EER T _j = 30°C | 4.69 |
| C _{dc} | 1.0 |
| P _{dc} T _j = 25°C | 4.90 kW |
| EER T _j = 25°C | 6.70 |
| C _{dc} | 1.0 |
| P _{dc} T _j = 20°C | 5.70 kW |
| EER T _j = 20°C | 8.22 |
| C _{dc} | 1.0 |
| P _{off} | 23 W |
| PTO | 23 W |
| PSB | 23 W |
| PCK | 0 W |
| Annual energy consumption Q _{ce} | 993 kWh |

Model: EBLA09D(3)W1

General Data

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

Heating

EN 14511-2

| | Low temperature | Medium temperature |
|------------------------|------------------------|------------------------|
| Heat output | 9.37 kW | 9.57 kW |
| El input | 1.91 kW | 3.29 kW |
| COP | 4.91 | 2.91 |
| Indoor water flow rate | 1.61 m ³ /h | 1.18 m ³ /h |

EN 14511-4

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

Average Climate

This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1

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

EN 14825

| | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| η_s | 190 % | 135 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 4.82 | 3.44 |
| Tbiv | -9 °C | -8 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 8.50 kW | 8.50 kW |
| COP Tj = -7°C | 3.07 | 2.09 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = +2°C | 5.50 kW | 5.00 kW |
| COP Tj = +2°C | 4.52 | 3.28 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = +7°C | 4.70 kW | 4.40 kW |
| COP Tj = +7°C | 6.78 | 4.80 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = 12°C | 5.50 kW | 5.30 kW |

This information was generated by the HP KEYMARK database on 17 Dec 2020

| | | |
|--|------------|------------|
| COP Tj = 12°C | 8.75 | 6.45 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = Tbiv | 8.70 kW | 8.80 kW |
| COP Tj = Tbiv | 2.75 | 1.92 |
| Pdh Tj = TOL | 8.30 kW | 6.80 kW |
| COP Tj = TOL | 2.64 | 1.70 |
| WTOL | 35 °C | 55 °C |
| Poff | 23 W | 23 W |
| PTO | 23 W | 23 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electrical | Electrical |
| Supplementary Heater: PSUP | 0.70 kW | 2.20 kW |
| Annual energy consumption Qhe | 3854 kWh | 5404 kWh |

Warmer Climate

| EN 14825 | | |
|-----------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| η_s | 243 % | 162 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 6.20 | 4.26 |

This information was generated by the HP KEYMARK database on 17 Dec 2020

| | | |
|--|------------|------------|
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 9.00 kW | 9.00 kW |
| COP Tj = +2°C | 3.36 | 2.12 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = +7°C | 5.90 kW | 6.20 kW |
| COP Tj = +7°C | 5.59 | 3.65 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = 12°C | 5.20 kW | 5.00 kW |
| COP Tj = 12°C | 7.87 | 5.68 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = Tbiv | 9.00 kW | 9.00 kW |
| COP Tj = Tbiv | 3.36 | 2.12 |
| Pdh Tj = TOL | 9.00 kW | 9.00 kW |
| COP Tj = TOL | 3.36 | 2.12 |
| WTOL | 35 °C | 55 °C |
| Poff | 23 W | 23 W |
| PTO | 23 W | 23 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electrical | Electrical |

This information was generated by the HP KEYMARK database on 17 Dec 2020

| | | |
|---|----------|----------|
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Q _{he} | 1938 kWh | 2820 kWh |

EN 12102-1

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

Cooling

EN 14511-2

| | |
|------------------------|-------------------|
| | +7°C/+12°C |
| El input | 2.79 kW |
| Indoor water flow rate | 1.61 m³/h |
| Cooling capacity | 9.35 |
| EER | 3.35 |

EN 14825

This information was generated by the HP KEYMARK database on 17 Dec 2020

| | +7°C/+12°C |
|---|-------------------|
| P _{designc} | 9.30 kW |
| SEER | 5.62 |
| P _{dc} T _j = 35°C | 9.40 kW |
| EER T _j = 35°C | 3.35 |
| P _{dc} T _j = 30°C | 7.00 kW |
| EER T _j = 30°C | 4.69 |
| C _{dc} | 1.0 |
| P _{dc} T _j = 25°C | 4.90 kW |
| EER T _j = 25°C | 6.70 |
| C _{dc} | 1.0 |
| P _{dc} T _j = 20°C | 5.70 kW |
| EER T _j = 20°C | 8.22 |
| C _{dc} | 1.0 |
| P _{off} | 23 W |
| PTO | 23 W |
| PSB | 23 W |
| PCK | 0 W |
| Annual energy consumption Q _{ce} | 993 kWh |

Model: EDLA09D(3)V3

General Data

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

Heating

EN 14511-2

| | Low temperature | Medium temperature |
|------------------------|------------------------|------------------------|
| Heat output | 9.37 kW | 9.57 kW |
| El input | 1.91 kW | 3.29 kW |
| COP | 4.91 | 2.91 |
| Indoor water flow rate | 1.61 m ³ /h | 1.18 m ³ /h |

EN 14511-4

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

Average Climate

This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1

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

EN 14825

| | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| η_s | 186 % | 133 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 4.72 | 3.39 |
| Tbiv | -9 °C | -8 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 8.50 kW | 8.50 kW |
| COP Tj = -7°C | 3.07 | 2.09 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = +2°C | 4.50 kW | 5.00 kW |
| COP Tj = +2°C | 4.52 | 3.28 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = +7°C | 4.70 kW | 4.40 kW |
| COP Tj = +7°C | 6.78 | 4.80 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = 12°C | 5.50 kW | 5.30 kW |

This information was generated by the HP KEYMARK database on 17 Dec 2020

| | | |
|--|------------|------------|
| COP Tj = 12°C | 8.75 | 6.45 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = Tbiv | 8.70 kW | 8.80 kW |
| COP Tj = Tbiv | 2.75 | 1.92 |
| Pdh Tj = TOL | 8.30 kW | 6.80 kW |
| COP Tj = TOL | 2.64 | 1.70 |
| WTOL | 35 °C | 55 °C |
| Poff | 23 W | 23 W |
| PTO | 23 W | 23 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electrical | Electrical |
| Supplementary Heater: PSUP | 0.70 kW | 2.20 kW |
| Annual energy consumption Qhe | 3939 kWh | 5488 kWh |

Warmer Climate

| EN 14825 | | |
|-----------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| η_s | 233 % | 162 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 5.90 | 4.12 |

This information was generated by the HP KEYMARK database on 17 Dec 2020

| | | |
|--|------------|------------|
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 9.00 kW | 9.00 kW |
| COP Tj = +2°C | 3.36 | 2.12 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = +7°C | 5.90 kW | 6.20 kW |
| COP Tj = +7°C | 5.59 | 3.65 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = 12°C | 5.20 kW | 5.00 kW |
| COP Tj = 12°C | 7.87 | 5.68 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = Tbiv | 9.00 kW | 9.00 kW |
| COP Tj = Tbiv | 3.36 | 2.12 |
| Pdh Tj = TOL | 9.00 kW | 9.00 kW |
| COP Tj = TOL | 3.36 | 2.12 |
| WTOL | 35 °C | 55 °C |
| Poff | 23 W | 23 W |
| PTO | 23 W | 23 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electrical | Electrical |

This information was generated by the HP KEYMARK database on 17 Dec 2020

| | | |
|---|----------|----------|
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Q _{he} | 2039 kWh | 2921 kWh |

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

Cooling

| EN 14511-2 | |
|------------------------|-------------------|
| | +7°C/+12°C |
| El input | 2.79 kW |
| Indoor water flow rate | 1.61 m³/h |
| Cooling capacity | 9.35 |
| EER | 3.35 |

| EN 14825 | |
|-----------------|--|
| | |

This information was generated by the HP KEYMARK database on 17 Dec 2020

| | +7°C/+12°C |
|---|-------------------|
| P _{designc} | 9.30 kW |
| SEER | 5.62 |
| P _{dc} T _j = 35°C | 9.40 kW |
| EER T _j = 35°C | 3.35 |
| P _{dc} T _j = 30°C | 7.00 kW |
| EER T _j = 30°C | 4.69 |
| C _{dc} | 1.0 |
| P _{dc} T _j = 25°C | 4.90 kW |
| EER T _j = 25°C | 6.70 |
| C _{dc} | 1.0 |
| P _{dc} T _j = 20°C | 5.70 kW |
| EER T _j = 20°C | 8.22 |
| C _{dc} | 1.0 |
| P _{off} | 23 W |
| PTO | 23 W |
| PSB | 23 W |
| PCK | 0 W |
| Annual energy consumption Q _{ce} | 993 kWh |

Model: EDLA09D(3)W1

General Data

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

Heating

EN 14511-2

| | Low temperature | Medium temperature |
|------------------------|------------------------|------------------------|
| Heat output | 9.37 kW | 9.57 kW |
| El input | 1.91 kW | 3.29 kW |
| COP | 4.91 | 2.91 |
| Indoor water flow rate | 1.61 m ³ /h | 1.18 m ³ /h |

EN 14511-4

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

Average Climate

This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1

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

EN 14825

| | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| η_s | 186 % | 133 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 4.72 | 3.39 |
| Tbiv | -9 °C | -8 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 8.50 kW | 8.50 kW |
| COP Tj = -7°C | 3.07 | 2.09 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = +2°C | 4.50 kW | 5.00 kW |
| COP Tj = +2°C | 4.52 | 3.28 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = +7°C | 4.70 kW | 4.40 kW |
| COP Tj = +7°C | 6.78 | 4.80 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = 12°C | 5.50 kW | 5.30 kW |

This information was generated by the HP KEYMARK database on 17 Dec 2020

| | | |
|--|------------|------------|
| COP Tj = 12°C | 8.75 | 6.45 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = Tbiv | 8.70 kW | 8.80 kW |
| COP Tj = Tbiv | 2.75 | 1.92 |
| Pdh Tj = TOL | 8.30 kW | 6.80 kW |
| COP Tj = TOL | 2.64 | 1.70 |
| WTOL | 35 °C | 55 °C |
| Poff | 23 W | 23 W |
| PTO | 23 W | 23 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electrical | Electrical |
| Supplementary Heater: PSUP | 0.70 kW | 2.20 kW |
| Annual energy consumption Qhe | 3939 kWh | 5488 kWh |

Warmer Climate

| EN 14825 | | |
|-----------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| η_s | 233 % | 162 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 5.90 | 4.12 |

This information was generated by the HP KEYMARK database on 17 Dec 2020

| | | |
|--|------------|------------|
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 9.00 kW | 9.00 kW |
| COP Tj = +2°C | 3.36 | 2.12 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = +7°C | 5.90 kW | 6.20 kW |
| COP Tj = +7°C | 5.59 | 3.65 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = 12°C | 5.20 kW | 5.00 kW |
| COP Tj = 12°C | 7.87 | 5.68 |
| Cdh | 1.00 | 1.00 |
| Pdh Tj = Tbiv | 9.00 kW | 9.00 kW |
| COP Tj = Tbiv | 3.36 | 2.12 |
| Pdh Tj = TOL | 9.00 kW | 9.00 kW |
| COP Tj = TOL | 3.36 | 2.12 |
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| PTO | 23 W | 23 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electrical | Electrical |

This information was generated by the HP KEYMARK database on 17 Dec 2020

| | | |
|---|----------|----------|
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Q _{he} | 2039 kWh | 2921 kWh |

EN 12102-1

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

Cooling

EN 14511-2

| | |
|------------------------|-------------------|
| | +7°C/+12°C |
| El input | 2.79 kW |
| Indoor water flow rate | 1.61 m³/h |
| Cooling capacity | 9.35 |
| EER | 3.35 |

EN 14825

This information was generated by the HP KEYMARK database on 17 Dec 2020

| | +7°C/+12°C |
|---|-------------------|
| P _{designc} | 9.30 kW |
| SEER | 5.62 |
| P _{dc} T _j = 35°C | 9.40 kW |
| EER T _j = 35°C | 3.35 |
| P _{dc} T _j = 30°C | 7.00 kW |
| EER T _j = 30°C | 4.69 |
| C _{dc} | 1.0 |
| P _{dc} T _j = 25°C | 4.90 kW |
| EER T _j = 25°C | 6.70 |
| C _{dc} | 1.0 |
| P _{dc} T _j = 20°C | 5.70 kW |
| EER T _j = 20°C | 8.22 |
| C _{dc} | 1.0 |
| P _{off} | 23 W |
| PTO | 23 W |
| PSB | 23 W |
| PCK | 0 W |
| Annual energy consumption Q _{ce} | 993 kWh |