

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

| | | | |
|----------------------------|--|----------|-------------|
| Summary of | Samsung EHS TDM Plus R410A 4.4 kW & 6.6 kW (space heating/ 260L) | Reg. No. | 011-1W0370 |
| Certificate Holder | | | |
| Name | Samsung Electronics Air Conditioner Europe B.V. | | |
| Address | Evert van de Beekstraat 310 | Zip | 1118 CX |
| City | Schiphol | Country | Netherlands |
| Certification Body | DIN CERTCO Gesellschaft für Konformitätsbewertung mbH | | |
| Name of testing laboratory | TÜV Rheinland Korea Ltd. | | |
| Subtype title | Samsung EHS TDM Plus R410A 4.4 kW & 6.6 kW (space heating/ 260L) | | |
| Heat Pump Type | Outdoor Air/Water | | |
| Refrigerant | R410a | | |
| Mass Of Refrigerant | 2.6 kg | | |
| Certification Date | 29.07.2020 | | |
| Testing basis | European KEYMARK Scheme for Heat Pumps Rev. 7 | | |

Model: AE044MXTPEH/EU & AE260TNWTEH/EU

General Data

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

Heating

EN 14511-2

| | Low temperature | Medium temperature |
|------------------------|------------------------|------------------------|
| Heat output | 4.40 kW | 3.83 kW |
| El input | 0.93 kW | 1.37 kW |
| COP | 4.73 | 2.80 |
| Indoor water flow rate | 0.76 m ³ /h | 0.41 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 indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 65 dB(A) | 65 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| η_s | 173 % | 110 % |
| Prated | 4.00 kW | 4.00 kW |
| SCOP | 4.41 | 2.83 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 3.50 kW | 3.50 kW |
| COP Tj = -7°C | 2.80 | 1.96 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = +2°C | 2.20 kW | 2.10 kW |
| COP Tj = +2°C | 4.48 | 2.74 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = +7°C | 2.50 kW | 2.30 kW |
| COP Tj = +7°C | 5.82 | 3.43 |
| Cdh | 0.90 | 0.90 |

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

| | | |
|--|------------|------------|
| Pdh Tj = 12°C | 2.30 kW | 2.10 kW |
| COP Tj = 12°C | 7.23 | 5.29 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 4.00 kW | 3.90 kW |
| COP Tj = Tbiv | 2.68 | 1.77 |
| Pdh Tj = TOL | 4.00 kW | 3.90 kW |
| COP Tj = TOL | 2.68 | 1.77 |
| WTOL | 55 °C | 55 °C |
| Poff | 22 W | 22 W |
| PTO | 22 W | 22 W |
| PSB | 22 W | 22 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 | 1911 kWh | 2930 kWh |

Domestic Hot Water (DHW)

Average Climate

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

| EN 16147 | |
|---------------------------------|------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 105 % |
| COP | 2.60 |
| Heating up time | 2:50 h:min |
| Standby power input | 85.0 W |
| Reference hot water temperature | 52.0 °C |
| Mixed water at 40°C | 290 l |

Model: AE066MXTPEH/EU & AE260TNWTEH/EU

General Data

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

Heating

EN 14511-2

| | Low temperature | Medium temperature |
|------------------------|------------------------|------------------------|
| Heat output | 6.60 kW | 4.80 kW |
| El input | 1.47 kW | 1.85 kW |
| COP | 4.49 | 2.59 |
| Indoor water flow rate | 1.14 m ³ /h | 0.52 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 indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 67 dB(A) | 67 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| η_s | 173 % | 115 % |
| Prated | 5.00 kW | 5.00 kW |
| SCOP | 4.41 | 2.96 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 4.40 kW | 4.00 kW |
| COP Tj = -7°C | 2.80 | 2.07 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = +2°C | 2.70 kW | 2.40 kW |
| COP Tj = +2°C | 4.38 | 2.85 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = +7°C | 2.60 kW | 2.30 kW |
| COP Tj = +7°C | 5.78 | 3.61 |
| Cdh | 0.90 | 0.90 |

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

| | | |
|--|------------|------------|
| Pdh Tj = 12°C | 2.40 kW | 2.10 kW |
| COP Tj = 12°C | 7.37 | 5.29 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 5.00 kW | 4.50 kW |
| COP Tj = Tbiv | 2.76 | 1.86 |
| Pdh Tj = TOL | 5.00 kW | 4.50 kW |
| COP Tj = TOL | 2.76 | 1.86 |
| WTOL | 55 °C | 55 °C |
| Poff | 22 W | 22 W |
| PTO | 22 W | 22 W |
| PSB | 22 W | 22 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 | 2388 kWh | 3234 kWh |

Domestic Hot Water (DHW)

Average Climate

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

| EN 16147 | |
|---------------------------------|------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 105 % |
| COP | 2.60 |
| Heating up time | 2:50 h:min |
| Standby power input | 85.0 W |
| Reference hot water temperature | 52.0 °C |
| Mixed water at 40°C | 290 l |