

Subtype HMI040 / DHWT300

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|---------------------|---------------------------------------|
| Certificate Holder | AERMEC S.p.A. |
| Address | Via Roma 996 |
| ZIP | 37040 |
| City | Bevilacqua (VR) |
| Country | IT |
| Certification Body | BRE Global Limited |
| Subtype title | HMI040 / DHWT300 |
| Registration number | 041-K011-01 |
| Heat Pump Type | Outdoor Air/Water |
| Refrigerant | R32 |
| Mass of Refrigerant | 0.87 kg |
| Certification Date | 25.03.2021 |
| Testing basis | Heat Pump Keymark Scheme Rules Rev 08 |

Model HMI040 / DHWT300S

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|-------------------------------------|-------------------|
| Model name | HMI040 / DHWT300S |
| Application | Heating + DHW |
| Units | Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | n/a |

Outdoor Air/Water**EN 16147 | Average Climate**

| | |
|---------------------------------|------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 106 % |
| COP | 2.53 |
| Heating up time | 2:59 h:min |
| Standby power input | 62.2 W |
| Reference hot water temperature | 51.7 °C |
| Mixed water at 40°C | 379 l |

EN 14511-4 | Heating

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

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 2.78 kW | |
| El input | 1.32 kW | |
| COP | 2.11 | |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 64 dB(A) | |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 127 % | |
| Prated | 6.00 kW | |
| SCOP | 3.26 | |

| | |
|---|-------------|
| Tbiv | -7 °C |
| TOL | -10 °C |
| Pdh Tj = -7°C | 5.22 kW |
| COP Tj = -7°C | 2.22 |
| Cdh Tj = -7 °C | 0.97 |
| Pdh Tj = +2°C | 3.31 kW |
| COP Tj = +2°C | 3.13 |
| Cdh Tj = +2 °C | 0.97 |
| Pdh Tj = +7°C | 2.46 kW |
| COP Tj = +7°C | 4.19 |
| Cdh Tj = +7 °C | 0.97 |
| Pdh Tj = 12°C | 2.98 kW |
| COP Tj = 12°C | 5.52 |
| Cdh Tj = +12 °C | 0.97 |
| Pdh Tj = Tbiv | 5.22 kW |
| COP Tj = Tbiv | 2.22 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.34 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.78 |
| WTOL | 55 °C |
| Poff | 18 W |
| PTO | 18 W |
| PSB | 18 W |
| PCK | 0 W |
| Supplementary Heater: Type of energy input | Electricity |
| Supplementary Heater: PSUP | 1.66 kW |
| Annual energy consumption Qhe | 3808 kWh |