

Subtype THERCON THERMA TCDM03X

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|---------------------|---|
| Certificate Holder | Groupe Atlantic |
| Address | Rue des Fondateurs BP 64 |
| ZIP | 59660 |
| City | Merville |
| Country | FR |
| Certification Body | RISE CERT |
| Subtype title | THERCON THERMA TCDM03X |
| Registration number | 012-C700237 |
| Heat Pump Type | Outdoor Air/Water |
| Refrigerant | R32 |
| Mass of Refrigerant | 0.97 kg |
| Certification Date | 11.12.2023 |
| Testing basis | EN 14511:2022, EN 16147:2017, EN 14825:2022, EN 12102:2022. |
| Testing laboratory | ACTA INDUSTRIE - Laboratoire Acoustique et Climatique |

Model THERCON THERMA TCDM03X

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|-------------------------------------|--------------------------|
| Model name | THERCON THERMA TCDM03X |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| 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 | L |
| Efficiency η_{DHW} | 132 % |
| COP | 3.30 |
| Heating up time | 1:30 h:min |
| Standby power input | 30.0 W |
| Reference hot water temperature | 54.0 °C |
| Mixed water at 40°C | 216 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

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|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 3.30 kW | 3.10 kW |
| El input | 0.65 kW | 1.22 kW |
| COP | 5.07 | 2.55 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 57 dB(A) | 57 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 181 % | 125 % |
| Prated | 4.40 kW | 4.20 kW |

| | | |
|---|-------------|-------------|
| SCOP | 4.60 | 3.21 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 3.90 kW | 3.70 kW |
| COP Tj = -7°C | 3.09 | 1.96 |
| Cdh Tj = -7 °C | 0.990 | 1.000 |
| Pdh Tj = +2°C | 2.40 kW | 2.30 kW |
| COP Tj = +2°C | 4.43 | 3.09 |
| Cdh Tj = +2 °C | 0.980 | 0.990 |
| Pdh Tj = +7°C | 2.10 kW | 1.80 kW |
| COP Tj = +7°C | 6.07 | 4.37 |
| Cdh Tj = +7 °C | 0.970 | 0.980 |
| Pdh Tj = 12°C | 2.40 kW | 2.30 kW |
| COP Tj = 12°C | 7.85 | 6.19 |
| Cdh Tj = +12 °C | 0.970 | 0.980 |
| Pdh Tj = Tbiv | 3.90 kW | 3.70 kW |
| COP Tj = Tbiv | 3.09 | 1.96 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 3.90 kW | 3.30 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.76 | 1.63 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.970 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 4 W | 4 W |
| PTO | 9 W | 9 W |
| PSB | 8 W | 8 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.50 kW | 0.90 kW |
| Annual energy consumption Qhe | 1977 kWh | 2707 kWh |