

Subtype THERCON THERMA TSC14HX/TOC14RIHX

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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 TSC14HX/TOC14RIHX |
| Registration number | 012-C700364 |
| Heat Pump Type | Outdoor Air/Water |
| Refrigerant | R32 |
| Mass of Refrigerant | 1.63 kg |
| Certification Date | 09.12.2024 |
| Testing basis | EN 14511:2022, EN 14825:2022, EN 12102:2022 |
| Testing laboratory | ACTA INDUSTRIE - Laboratoire Acoustique et Climatique |

Model THERCON THERMA TSC14HX/TOC14RIHX

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|-------------------------------------|----------------------------------|
| Model name | THERCON THERMA TSC14HX/TOC14RIHX |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

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 | 14.47 kW | 10.09 kW |
| El input | 3.36 kW | 3.36 kW |
| COP | 4.31 | 3.00 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 36 dB(A) | 36 dB(A) |
| Sound power level outdoor | 58 dB(A) | 58 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 185 % | 137 % |
| Prated | 11.70 kW | 11.40 kW |
| SCOP | 4.71 | 3.51 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 10.40 kW | 10.10 kW |
| COP Tj = -7°C | 3.09 | 2.32 |
| Cdh Tj = -7 °C | 0.990 | 1.000 |
| Pdh Tj = +2°C | 6.30 kW | 6.10 kW |
| COP Tj = +2°C | 4.61 | 3.41 |
| Cdh Tj = +2 °C | 0.980 | 0.990 |
| Pdh Tj = +7°C | 4.50 kW | 4.30 kW |

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|---|-------------|-------------|
| COP Tj = +7°C | 6.24 | 4.50 |
| Cdh Tj = +7 °C | 0.970 | 0.980 |
| Pdh Tj = 12°C | 5.10 kW | 4.90 kW |
| COP Tj = 12°C | 7.67 | 5.97 |
| Cdh Tj = +12 °C | 0.970 | 0.980 |
| Pdh Tj = Tbiv | 10.40 kW | 10.10 kW |
| COP Tj = Tbiv | 3.09 | 2.32 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.00 kW | 9.50 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.82 | 2.06 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 1.000 |
| WTOL | 60 °C | 60 °C |
| Poff | 14 W | 14 W |
| PTO | 21 W | 18 W |
| PSB | 14 W | 14 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.70 kW | 1.90 kW |
| Annual energy consumption Qhe | 5132 kWh | 6717 kWh |