

Subtype THERMOR PERFECO M 11 and 12

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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 | THERMOR PERFECO M 11 and 12 |
| Registration number | 012-C700418 |
| Heat Pump Type | Outdoor Air/Water |
| Refrigerant | R290 |
| Mass of Refrigerant | 0.9 kg |
| Certification Date | 16.09.2025 |
| Testing basis | EN 14511:2022, EN 14825:2022, EN 12102:2022 |
| Testing laboratory | CETIAT, FR |

Model THERMOR PERFECO M 11

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|-------------------------------------|-----------------------|
| Model name | THERMOR PERFECO M 11 |
| Application | Heating (medium temp) |
| Units | 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 14511-4 | Heating

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 | 8.23 kW | 7.89 kW |
| El input | 1.61 kW | 2.33 kW |
| COP | 5.11 | 3.39 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 55 dB(A) | 55 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 184 % | 147 % |
| Prated | 7.60 kW | 7.20 kW |
| SCOP | 4.67 | 3.74 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 6.70 kW | 6.40 kW |
| COP Tj = -7°C | 2.75 | 2.27 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.10 kW | 3.90 kW |
| COP Tj = +2°C | 4.59 | 3.54 |
| Cdh Tj = +2 °C | 0.980 | 0.990 |
| Pdh Tj = +7°C | 3.00 kW | 2.90 kW |
| COP Tj = +7°C | 6.93 | 5.35 |

| | | |
|---|-------------|-------------|
| Cdh Tj = +7 °C | 0.970 | 0.980 |
| Pdh Tj = 12°C | 2.90 kW | 3.40 kW |
| COP Tj = 12°C | 7.06 | 6.98 |
| Cdh Tj = +12 °C | 0.970 | 0.980 |
| Pdh Tj = Tbiv | 6.70 kW | 6.40 kW |
| COP Tj = Tbiv | 2.75 | 2.27 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.40 kW | 6.10 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.33 | 2.06 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 0.990 |
| WTOL | 75 °C | 75 °C |
| Poff | 6 W | 6 W |
| PTO | 10 W | 10 W |
| PSB | 6 W | 6 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 2.20 kW | 1.10 kW |
| Annual energy consumption Qhe | 3362 kWh | 3972 kWh |

Model THERMOR PERFECO M 12

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|-------------------------------------|-----------------------|
| Model name | THERMOR PERFECO M 12 |
| Application | Heating (medium temp) |
| Units | 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 14511-4 | Heating

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 | 9.65 kW | 8.99 kW |
| El input | 2.04 kW | 2.85 kW |
| COP | 4.73 | 3.16 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 55 dB(A) | 55 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 184 % | 148 % |
| Prated | 7.60 kW | 7.20 kW |
| SCOP | 4.68 | 3.76 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 6.70 kW | 6.40 kW |
| COP Tj = -7°C | 2.75 | 2.27 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.10 kW | 3.90 kW |
| COP Tj = +2°C | 4.59 | 3.54 |
| Cdh Tj = +2 °C | 0.980 | 0.990 |
| Pdh Tj = +7°C | 3.00 kW | 2.90 kW |
| COP Tj = +7°C | 6.93 | 5.44 |

| | | |
|---|-------------|-------------|
| Cdh Tj = +7 °C | 0.970 | 0.980 |
| Pdh Tj = 12°C | 2.90 kW | 3.40 kW |
| COP Tj = 12°C | 7.07 | 6.98 |
| Cdh Tj = +12 °C | 0.970 | 0.980 |
| Pdh Tj = Tbiv | 6.70 kW | 6.40 kW |
| COP Tj = Tbiv | 2.75 | 2.27 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.70 kW | 6.40 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.30 | 2.04 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 0.990 |
| WTOL | 75 °C | 75 °C |
| Poff | 6 W | 6 W |
| PTO | 10 W | 10 W |
| PSB | 6 W | 6 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.90 kW | 0.80 kW |
| Annual energy consumption Qhe | 3358 kWh | 3955 kWh |

Model THERMOR PERFECO M 12 TRI

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|-------------------------------------|--------------------------|
| Model name | THERMOR PERFECO M 12 TRI |
| Application | Heating (medium temp) |
| Units | Outdoor |
| Climate zone (for heating) | n/a |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 3x400V 50Hz |
| Off-peak product | n/a |

Outdoor Air/Water

EN 14511-4 | Heating

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 | 9.65 kW | 8.99 kW |
| El input | 2.04 kW | 2.85 kW |
| COP | 4.73 | 3.16 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 55 dB(A) | 55 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 184 % | 148 % |
| Prated | 7.60 kW | 7.20 kW |
| SCOP | 4.68 | 3.76 |
| Tbiv | -7 °C | -7 °C |
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| Pdh Tj = -7°C | 6.70 kW | 6.40 kW |
| COP Tj = -7°C | 2.75 | 2.27 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.10 kW | 3.90 kW |
| COP Tj = +2°C | 4.59 | 3.54 |
| Cdh Tj = +2 °C | 0.980 | 0.990 |
| Pdh Tj = +7°C | 3.00 kW | 2.90 kW |
| COP Tj = +7°C | 6.93 | 5.44 |

| | | |
|---|-------------|-------------|
| Cdh Tj = +7 °C | 0.970 | 0.980 |
| Pdh Tj = 12°C | 2.90 kW | 3.40 kW |
| COP Tj = 12°C | 7.07 | 6.98 |
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| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.30 | 2.04 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 0.990 |
| WTOL | 75 °C | 75 °C |
| Poff | 6 W | 6 W |
| PTO | 10 W | 10 W |
| PSB | 6 W | 6 W |
| PCK | 0 W | 0 W |
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| Supplementary Heater: PSUP | 1.90 kW | 0.80 kW |
| Annual energy consumption Qhe | 3358 kWh | 3955 kWh |