

Subtype Austria Email LWPM 16

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|---------------------|--|
| Certificate Holder | Groupe Atlantic |
| Address | 44 boulevard des Etats-Unis |
| ZIP | 85000 |
| City | La Roche Sur Yon |
| Country | FR |
| Certification Body | RISE CERT |
| Subtype title | Austria Email LWPM 16 |
| Registration number | 012-C700218 |
| Heat Pump Type | Outdoor Air/Water |
| Refrigerant | R452B |
| Mass of Refrigerant | 2.75 kg |
| Certification Date | 19.09.2023 |
| Testing basis | EN 14511:2018, EN 14825:2018, EN 12102:2017. |

Model Austria Email LWPM 16

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|-------------------------------------|-----------------------|
| Model name | Austria Email LWPM 16 |
| 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

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

Outdoor Air/Water

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 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| η_s | 165 % | 126 % |
| Prated | 14.50 kW | 15.40 kW |
| SCOP | 4.19 | 3.23 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 12.80 kW | 13.60 kW |
| COP Tj = -7°C | 2.71 | 2.12 |
| Cdh Tj = -7 °C | 0.970 | 0.980 |
| Pdh Tj = +2°C | 7.80 kW | 8.30 kW |
| COP Tj = +2°C | 4.33 | 3.33 |
| Cdh Tj = +2 °C | 0.970 | 0.980 |
| Pdh Tj = +7°C | 8.60 kW | 7.70 kW |
| COP Tj = +7°C | 5.30 | 3.73 |
| Cdh Tj = +7 °C | 0.970 | 0.990 |
| Pdh Tj = 12°C | 9.80 kW | 9.60 kW |
| COP Tj = 12°C | 6.18 | 5.32 |
| Cdh Tj = +12 °C | 0.970 | 0.980 |
| Pdh Tj = Tbiv | 12.80 kW | 13.60 kW |
| COP Tj = Tbiv | 2.71 | 2.12 |

| | | |
|---|-------------|-------------|
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.20 kW | 12.50 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.59 | 1.91 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.970 | 0.980 |
| WTOL | 60 °C | 60 °C |
| Poff | 18 W | 18 W |
| PTO | 45 W | 31 W |
| PSB | 20 W | 20 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 2.30 kW | 2.90 kW |
| Annual energy consumption Qhe | 7143 kWh | 9864 kWh |