

## Subtype Austria Email LWPM 16

Certificate Holder	Groupe Atlantic
Address	Rue des Fondateurs BP 64
ZIP	59660
City	Merville
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.
Testing laboratory	Centro de Ensayos, Innovación y Servicios (CEIS), ES

## Model Austria Email LWPM 16

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

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	8.30 kW	16.80 kW
El input	2.02 kW	6.98 kW
COP	4.10	2.41

### 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
$\eta_s$	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