

This information was generated by the HP KEYMARK database on 17 Dec 2020

Summary of	AUSTRIA EMAIL LWP 15 HP ECO	Reg. No.	012-SC0321-19
Certificate Holder			
Name	Groupe Atlantic		
Address	44 boulevard des Etats-Unis	Zip	85000
City	La Roche Sur Yon	Country	France
Certification Body	RISE CERT		
Name of testing laboratory	RISE		
Subtype title	AUSTRIA EMAIL LWP 15 HP ECO		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	3.8 kg		
Certification Date	20.08.2019		

## Model: AE LWP 15 HP ECO

### General Data

Power supply	3x400V 50Hz
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## Heating

### EN 14511-2

	Low temperature	Medium temperature
Heat output	15.10 kW	13.46 kW
El input	3.48 kW	4.75 kW
COP	4.34	2.83
Indoor water flow rate	2.65 m <sup>3</sup> /h	1.47 m <sup>3</sup> /h

### EN 14511-4

Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

## Average Climate

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### EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	45 dB(A)	45 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	164 %	130 %
Prated	17.00 kW	16.00 kW
SCOP	4.18	3.33
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	15.40 kW	14.20 kW
COP Tj = -7°C	2.90	2.12
Pdh Tj = +2°C	9.40 kW	8.60 kW
COP Tj = +2°C	4.19	3.30
Pdh Tj = +7°C	6.70 kW	6.40 kW
COP Tj = +7°C	5.13	4.21
Pdh Tj = 12°C	8.00 kW	7.60 kW
COP Tj = 12°C	6.83	6.02
Pdh Tj = Tbiv	15.40 kW	14.20 kW

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COP $T_j = T_{biv}$	2.90	2.12
P <sub>dh</sub> $T_j = TOL$	14.70 kW	13.30 kW
COP $T_j = TOL$	2.62	1.88
C <sub>dh</sub>	0.93	0.97
WTOL	60 °C	60 °C
P <sub>off</sub>	16 W	16 W
P <sub>TO</sub>	96 W	43 W
P <sub>SB</sub>	19 W	19 W
P <sub>CK</sub>	0 W	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: P <sub>SUP</sub>	2.70 kW	2.70 kW
Annual energy consumption Q <sub>he</sub>	8606 kWh	9915 kWh

## Model: AE LWPK 15 HP ECO

### General Data

Power supply	3x400V 50Hz
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## Heating

### EN 14511-2

	Low temperature	Medium temperature
Heat output	15.10 kW	13.46 kW
El input	3.48 kW	4.75 kW
COP	4.34	2.83
Indoor water flow rate	2.65 m <sup>3</sup> /h	1.47 m <sup>3</sup> /h

### EN 14511-4

Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

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Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: P <sub>SUP</sub>	2.70 kW	2.70 kW
Annual energy consumption Q <sub>he</sub>	8606 kWh	9915 kWh

## Domestic Hot Water (DHW)

### Average Climate

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<b>EN 16147</b>	
Declared load profile	L
Efficiency $\eta_{DHW}$	109 %
COP	2.56
Heating up time	0:54 h:min
Standby power input	48.0 W
Reference hot water temperature	54.2 °C
Mixed water at 40°C	250 l