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Summary of	AUREA 16	Reg. No.	012-SC1492-17
Certificate Holder			
Name	Groupe Atlantic		
Address	44 boulevard des Etats-Unis	Zip	85000
City	La Roche Sur Yon	Country	France
Certification Body	RISE CERT		
Subtype title	AUREA 16		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	2.99 kg		

Model: AUREA 16

Configure model	
Model name	AUREA 16
Application	Heating (medium temp)
Units	Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.00 kW	12.80 kW
El input	4.08 kW	5.10 kW
COP	3.92	2.51

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	0 dB(A)	0 dB(A)
Sound power level outdoor	66 dB(A)	66 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	151 %	121 %
Prated	12.20 kW	10.30 kW
SCOP	3.86	3.10
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.79 kW	9.11 kW
COP Tj = -7°C	2.47	1.74
Pdh Tj = +2°C	6.57 kW	5.55 kW
COP Tj = +2°C	3.77	3.02
Pdh Tj = +7°C	8.24 kW	7.76 kW
COP Tj = +7°C	5.39	4.48
Pdh Tj = 12°C	5.14 kW	4.76 kW
COP Tj = 12°C	6.30	6.67
Pdh Tj = Tbiv	10.79 kW	9.11 kW

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COP $T_j = T_{biv}$	2.47	1.74
$P_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$	10.34 kW	8.06 kW
COP $T_j = TOL$ or COP $T_j = T_{designh}$ if $TOL < T_{designh}$	2.07	1.55
$C_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$	0.96	0.97
WTOL	55 °C	55 °C
P _{off}	5 W	5 W
PTO	60 W	50 W
PSB	5 W	5 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.90 kW	2.20 kW
Annual energy consumption Q _{he}	6527 kWh	6857 kWh