

## Subtype AUREA 16

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	AUREA 16
Registration number	012-SC1492-17
Heat Pump Type	Outdoor Air/Water
Refrigerant	R410A
Mass of Refrigerant	2.99 kg

## Model AUREA 16

Model name	AUREA 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	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

### EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	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
COP Tj = Tbiv	2.47	1.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.34 kW	8.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.07	1.55

Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.96	0.97
WTOL	55 °C	55 °C
Poff	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 Qhe	6527 kWh	6857 kWh