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Login

Summary of	IDEAL LOGIC AIR 10kW	Reg. No.	012-C700133
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	IDEAL LOGIC AIR 10kW		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	1.47 kg		
Certification Date	01.07.2022		
Testing basis	EN 14511:2018, EN 14825:2016, EN 12102:2017		

Model: IDEAL LOGIC AIR 10kW

Configure model	
Model name	IDEAL LOGIC AIR 10kW
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	10.30 kW	10.30 kW
El input	2.10 kW	3.42 kW
COP	4.90	3.01

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	205 %	146 %
Prated	10.60 kW	10.20 kW
SCOP	5.19	3.73
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.40 kW	9.00 kW
COP Tj = -7°C	3.17	2.27
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	5.70 kW	5.50 kW
COP Tj = +2°C	5.17	3.66
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	3.70 kW	3.50 kW
COP Tj = +7°C	6.91	4.91
Cdh Tj = +7 °C	0.970	0.980
Pdh Tj = 12°C	4.50 kW	4.40 kW

COP Tj = 12°C	8.40	6.63
Cdh Tj = +12 °C	0.970	0.980
Pdh Tj = Tbiv	9.40 kW	9.00 kW
COP Tj = Tbiv	3.17	2.27
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.10 kW	8.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.84	2.03
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	55 °C	55 °C
Poff	7 W	7 W
PTO	15 W	14 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.50 kW	2.00 kW
Annual energy consumption Qhe	4219 kWh	5655 kWh