Subtype IDEAL LOGIC AIR 10kW

Certificate Holder	Groupe Atlantic
Address	Rue des Fondeurs BP 64
ZIP	59660
City	Merville
Country	FR
Certification Body	RISE CERT
Subtype title	IDEAL LOGIC AIR 10kW
Registration number	012-C700133
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 12102:2022.
Testing laboratory	CETIAT, FR

Model IDEAL LOGIC AIR 10kW	
Model name	IDEAL LOGIC AIR 10kW
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
Starting and operating test	passed

EN 14511-2 | Heating

	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 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	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	60 °C	60 °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