

Subtype IDEAL LOGIC AIR 5kW

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 5kW
Registration number	012-C700134
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	0.88 kg
Certification Date	07.06.2023
Testing basis	EN 14511:2018; EN 14825:2018; EN 12102:2022.
Testing laboratory	CETIAT, FR

**Model IDEAL LOGIC AIR 5kW**

Model name	IDEAL LOGIC AIR 5kW
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	5.00 kW	5.00 kW
EI input	0.97 kW	1.64 kW
COP	5.15	3.04

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level outdoor	52 dB(A)	52 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	200 %	143 %
Prated	5.80 kW	5.50 kW
SCOP	5.07	3.65
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.10 kW	4.90 kW
COP Tj = -7°C	3.20	2.26
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	3.10 kW	3.00 kW
COP Tj = +2°C	4.98	3.59
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = +7°C	2.00 kW	1.90 kW
COP Tj = +7°C	6.76	4.76

Cdh Tj = +7 °C	0.960	0.970
Pdh Tj = 12°C	2.50 kW	2.40 kW
COP Tj = 12°C	8.78	6.72
Cdh Tj = +12 °C	0.950	0.960
Pdh Tj = Tbiv	5.10 kW	4.90 kW
COP Tj = Tbiv	3.20	2.26
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.00 kW	4.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.84	2.00
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	60 °C	60 °C
Poff	5 W	5 W
PTO	13 W	13 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.80 kW	0.80 kW
Annual energy consumption Qhe	2364 kWh	3110 kWh