

This information was generated by the HP KEYMARK database on 17 Dec 2020

Summary of	PAC BT MB 5/7/9 kW 1ph	Reg. No.	ICIM-PDC-000008
Certificate Holder			
Name	Airwell Residential		
Address	10, rue du Fort de Saint Cyr	Zip	78180
City	Montigny le Bretonneux	Country	France
Certification Body	ICIM S.p.A.		
Name of testing laboratory	ReLab		
Subtype title	PAC BT MB 5/7/9 kW 1ph		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	2.4 kg		
Certification Date	30.07.2018		

Model: PAC BT MB 5KW H11

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	4.64 kW	4.80 kW
El input	0.97 kW	1.90 kW
COP	4.79	2.53
Indoor water flow rate	0.80 m ³ /h	0.52 m ³ /h

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 outdoor	64 dB(A)	64 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	184 %	129 %
Prated	5.00 kW	7.00 kW
SCOP	4.67	3.30
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.10 kW	5.90 kW
COP Tj = -7°C	2.85	2.00
Pdh Tj = +2°C	2.40 kW	3.70 kW
COP Tj = +2°C	4.53	3.18
Pdh Tj = +7°C	1.70 kW	2.50 kW
COP Tj = +7°C	6.09	4.52
Pdh Tj = 12°C	1.30 kW	1.10 kW
COP Tj = 12°C	8.95	5.09
Pdh Tj = Tbiv	4.10 kW	5.90 kW
COP Tj = Tbiv	2.85	2.00

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Pdh Tj = TOL	4.20 kW	6.60 kW
COP Tj = TOL	2.63	1.80
Cdh	0.90	0.90
WTOL	49 °C	49 °C
Poff	16 W	16 W
PTO	16 W	16 W
PSB	16 W	16 W
PCK	34 W	34 W
Supplementary Heater: Type of energy input	electric	electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2059 kWh	4202 kWh

Model: PAC BT MB 7KW H11

General Data

Power supply	1x230V 50Hz
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Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level outdoor	66 dB(A)	64 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	179 %	129 %
Prated	7.00 kW	7.00 kW
SCOP	4.54	3.30
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.80 kW	5.90 kW
COP Tj = -7°C	2.80	2.00
Pdh Tj = +2°C	3.60 kW	3.70 kW
COP Tj = +2°C	4.18	3.18
Pdh Tj = +7°C	2.30 kW	2.50 kW
COP Tj = +7°C	6.39	4.52

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Pdh Tj = 12°C	1.40 kW	1.10 kW
COP Tj = 12°C	9.24	5.09
Pdh Tj = Tbiv	5.80 kW	5.90 kW
COP Tj = Tbiv	2.80	2.00
Pdh Tj = TOL	6.30 kW	6.60 kW
COP Tj = TOL	2.61	1.80
Cdh	0.90	0.90
WTOL	49 °C	49 °C
Poff	16 W	16 W
PTO	16 W	16 W
PSB	16 W	16 W
PCK	34 W	34 W
Supplementary Heater: Type of energy input	electric	electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2993 kWh	4202 kWh

Heating

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EN 14511-2

	Low temperature	Medium temperature
Heat output	6.55 kW	6.20 kW
El input	1.45 kW	2.38 kW
COP	4.52	2.61
Indoor water flow rate	1.12 m ³ /h	0.68 m ³ /h

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

Model: PAC BT MB 9KW H11

General Data

Power supply	1x230V 50Hz
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Average Climate

EN 14825

	Low temperature	Medium temperature
η_s	159 %	127 %
Prated	9.00 kW	9.00 kW
SCOP	4.05	3.26
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.83 kW	7.70 kW
COP Tj = -7°C	2.43	1.98
Pdh Tj = +2°C	4.95 kW	4.90 kW
COP Tj = +2°C	3.70	3.02
Pdh Tj = +7°C	3.18 kW	3.20 kW
COP Tj = +7°C	6.11	4.67
Pdh Tj = 12°C	1.51 kW	1.40 kW
COP Tj = 12°C	7.47	6.16
Pdh Tj = Tbiv	7.83 kW	7.70 kW
COP Tj = Tbiv	2.43	1.98

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Pdh Tj = TOL	7.53 kW	7.00 kW
COP Tj = TOL	2.38	1.78
Cdh	0.90	0.90
WTOL	49 °C	49 °C
Poff	16 W	16 W
PTO	16 W	16 W
PSB	16 W	16 W
PCK	34 W	34 W
Supplementary Heater: Type of energy input	electric	electric
Supplementary Heater: PSUP	1.32 kW	0.00 kW
Annual energy consumption Qhe	4524 kWh	5558 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level outdoor	67 dB(A)	67 dB(A)

Heating

This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 14511-2

	Low temperature	Medium temperature
Heat output	8.64 kW	9.40 kW
El input	2.01 kW	3.30 kW
COP	4.30	2.85
Indoor water flow rate	1.44 m ³ /h	1.01 m ³ /h

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