

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

Summary of	PAC BTE 4/6 kW 1 Ph	Reg. No.	ICIM-PDC-000040-00
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	WPZ		
Subtype title	PAC BTE 4/6 kW 1 Ph		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	2.5 kg		
Certification Date	11.09.2019		

Model: PAC-BT-UE-4KW-H11

General Data

Power supply	1x230V 50Hz
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Heating

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

EN 14511-2

	Low temperature	Medium temperature
Heat output	4.23 kW	3.96 kW
El input	0.81 kW	1.35 kW
COP	5.22	2.93
Indoor water flow rate	0.72 m ³ /h	0.43 m ³ /h

Average Climate

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EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	174 %	130 %
Prated	4.43 kW	3.02 kW
SCOP	4.42	3.34
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.85 kW	2.62 kW
COP Tj = -7°C	2.98	1.88
Cdh	0.90	0.90
Pdh Tj = +2°C	2.32 kW	1.76 kW
COP Tj = +2°C	4.00	3.40
Cdh	0.90	0.90
Pdh Tj = +7°C	2.60 kW	2.40 kW
COP Tj = +7°C	6.90	5.07
Cdh	0.90	0.90

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Pdh Tj = 12°C	3.47 kW	3.26 kW
COP Tj = 12°C	9.74	7.88
Cdh	0.90	0.90
Pdh Tj = Tbiv	4.43 kW	3.02 kW
COP Tj = Tbiv	2.77	1.58
Pdh Tj = TOL	4.43 kW	3.02 kW
COP Tj = TOL	2.77	1.58
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	17 W	17 W
PTO	57 W	57 W
PSB	17 W	17 W
PCK	15 W	15 W
Supplementary Heater: Type of energy input	electric	electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2070 kWh	1870 kWh

Model: PAC-BTE-UI-4-8KW-H11

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	4.23 kW	3.96 kW
El input	0.81 kW	1.35 kW
COP	5.22	2.93
Indoor water flow rate	0.72 m ³ /h	0.43 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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	Low temperature	Medium temperature
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TOL	-10 °C	-10 °C
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COP Tj = -7°C	2.98	1.88
Pdh Tj = +2°C	2.32 kW	1.76 kW
COP Tj = +2°C	4.00	3.40
Pdh Tj = +7°C	2.60 kW	2.40 kW
COP Tj = +7°C	6.90	5.07
Pdh Tj = 12°C	3.47 kW	3.26 kW
COP Tj = 12°C	9.74	7.88
Pdh Tj = Tbiv	4.43 kW	3.02 kW

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COP $T_j = T_{biv}$	2.77	1.58
P _{dh} $T_j = TOL$	4.43 kW	3.02 kW
COP $T_j = TOL$	2.77	1.58
C _{dh}	0.90	0.90
WTOL	60 °C	60 °C
P _{off}	17 W	17 W
P _{TO}	57 W	57 W
P _{SB}	17 W	17 W
P _{CK}	15 W	15 W
Supplementary Heater: Type of energy input	gas	gas
Supplementary Heater: P _{SUP}	0.00 kW	0.00 kW
Annual energy consumption Q _{he}	2070 kWh	1870 kWh

Model: PAC-BT-UE-6KW-H11

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	6.33 kW	5.43 kW
El input	1.31 kW	1.82 kW
COP	4.83	2.99
Indoor water flow rate	1.08 m ³ /h	0.58 m ³ /h

EN 14511-4

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Defrost test	passed

Average Climate

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EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	175 %	127 %
Prated	5.13 kW	5.39 kW
SCOP	4.45	3.25
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.51 kW	4.77 kW
COP Tj = -7°C	2.80	1.93
Pdh Tj = +2°C	2.99 kW	2.91 kW
COP Tj = +2°C	4.44	3.18
Pdh Tj = +7°C	2.96 kW	2.47 kW
COP Tj = +7°C	6.39	4.86
Pdh Tj = 12°C	3.43 kW	3.24 kW
COP Tj = 12°C	7.14	5.95
Pdh Tj = Tbiv	5.13 kW	4.77 kW

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COP $T_j = T_{biv}$	2.57	1.93
P _{dh} $T_j = TOL$	5.13 kW	3.94 kW
COP $T_j = TOL$	2.57	1.55
C _{dh}	0.90	0.90
WTOL	60 °C	60 °C
P _{off}	17 W	17 W
P _{TO}	57 W	57 W
P _{SB}	17 W	17 W
P _{CK}	15 W	15 W
Supplementary Heater: Type of energy input	gas	gas
Supplementary Heater: P _{SUP}	0.00 kW	1.45 kW
Annual energy consumption Q _{he}	2384 kWh	3418 kWh

Model: PAC-BTE-UI-4-8KW-H11

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	6.33 kW	5.43 kW
El input	1.31 kW	1.82 kW
COP	4.83	2.99
Indoor water flow rate	1.08 m ³ /h	0.58 m ³ /h

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COP Tj = +2°C	4.44	3.18
Pdh Tj = +7°C	2.96 kW	2.47 kW
COP Tj = +7°C	6.39	4.86
Pdh Tj = 12°C	3.43 kW	3.24 kW
COP Tj = 12°C	7.14	5.95
Pdh Tj = Tbiv	5.13 kW	4.77 kW

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WTOL	60 °C	60 °C
P _{off}	17 W	17 W
P _{TO}	57 W	57 W
P _{SB}	17 W	17 W
P _{CK}	15 W	15 W
Supplementary Heater: Type of energy input	electric	electric
Supplementary Heater: P _{SUP}	0.00 kW	0.00 kW
Annual energy consumption Q _{he}	2384 kWh	3418 kWh