

# PAC BT

## LOW TEMPERATURE HEAT PUMP

### PAC BT MONOBLOC TECHNICAL DATA - SINGLE PHASE

Models		AWHM-PAC-BT-MB-5KW-H11	AWHM-PAC-BT-MB-7KW-H11	AWHM-PAC-BT-MB-9KW-H11	AWHM-PAC-BT-MB-10KW-H11	AWHM-PAC-BT-MB-12KW-H11	AWHM-PAC-BT-MB-14KW-H11	AWHM-PAC-BT-MB-16KW-H11	
Code 1~230V-50Hz		7HP061015	7HP061016	7HP061017	7HP061018	7HP061019	7HP061020	7HP061021	
<b>HEATING MODE - OUTDOOR AIR REGIME +7°C / 85% HUMID BULB</b>									
Water regime 30/35°C*	Heating capacity	kW	4.58	6.55	8.64	10.43	12.17	14.76	16.33
	Power input	kW	0.97	1.45	2.01	2.28	2.73	3.40	3.90
	<b>COP</b>		<b>4.72</b>	<b>4.52</b>	<b>4.30</b>	<b>4.57</b>	<b>4.46</b>	<b>4.34</b>	<b>4.19</b>
Water regime 40/45°C	Heating capacity	kW	4.67	6.69	9.19	10.17	12.58	14.08	16.12
	Power input	kW	1.43	2.05	2.63	3.08	3.86	4.47	5.22
	COP		3.27	3.26	3.49	3.30	3.26	3.15	3.09
Water regime 47/55°C	Heating capacity	kW	4.76	6.24	9.35	8.89	10.55	11.64	13.43
	Power input	kW	1.88	2.39	3.28	3.38	3.84	4.38	5.22
	COP		2.53	2.61	2.85	2.63	2.75	2.66	2.57
<b>COOLING MODE - OUTDOOR AIR REGIME 35°C</b>									
Water regime indoor 23°C outdoor 18°C	Heating capacity	kW	4.55	6.45	8.35	10.25	12.19	14.61	14.82
	Power input	kW	1.00	1.47	2.10	2.06	2.65	3.32	3.66
	EER		4.55	4.40	3.97	4.98	4.60	4.40	4.05
Water regime indoor 12°C outdoor 7°C	Heating capacity	kW	4.55	6.71	8.06	10.44	12.21	12.95	13.72
	Power input	kW	1.55	2.57	3.51	3.28	4.17	4.53	5.16
	EER		2.94	2.61	2.30	3.18	2.93	2.86	2.66
<b>OTHERS FEATURES</b>									
Energy label	Water outlet à 35°C	ηs	175.9%	178.3%	163.3%	161.7%	165.6%	172.7%	167.5%
		class	<b>A++</b>	<b>A++</b>	<b>A++</b>	<b>A++</b>	<b>A++</b>	<b>A++</b>	<b>A++</b>
	Water outlet à 55°C	ηs	125.7%	125.7%	127.1%	129.3%	129.3%	128.5%	125.1%
		class	<b>A++</b>	<b>A++</b>	<b>A++</b>	<b>A++</b>	<b>A++</b>	<b>A++</b>	<b>A++</b>
SCOP	Water outlet à 35°C		4.47	4.53	4.16	4.12	4.21	4.39	4.26
	Water outlet à 55°C		3.22	3.22	3.25	3.31	3.31	3.29	3.20
SEER	Water outlet à 7°C		4.61	4.75	4.52	5.24	5.34	4.86	4.34
	Water outlet à 18°C		5.90	5.74	5.69	6.22	6.64	6.18	5.88
Operating range	Cooling	°C	-5/46						
	Heating	°C	-20/35						
	ECS	°C	-20/43						
Water outlet temperatures	Cooling	°C	5/25						
	Heating	°C	25/60						
	ECS	°C	40/60						
Fuse rating	A	25	25	25	40	40	40	40	
Compressor type		Twin rotary DC inverter							
Outdoor fan	Number		1	1	1	2	2	2	2
	Air flow	m³/h	3050	3050	3050	6150	6150	6150	6150
Circulator	Head	m	6	6	6	7.5	7.5	7.5	7.5
Refrigerant	Type		R410A						
	Precharge	kg	2.4	2.4	2.4	3.6	3.6	3.6	3.6
Auxiliary heat resistance	Build in standard	kW	-	-	-	3	3	3	3
	Optional	kW	3	3	3	4.5	4.5	4.5	4.5
	Power stage number		1	1	1	2	2	2	2
	Power supply	V/Ph/Hz	220-240/1/50						
Sound level	Heating	dB(A)	61	65	68	66	67	71	71
	Cooling	dB(A)	64	66	67	64	67	70	70
Outline dimensions (WxHxD)	mm	1210x945x402				1404x1414x405			
Package dimensions (WxHxD)	mm	1500x1140x450				1475x1580x440			
Net weight/Gross weight	kg	99/117				162/183			
Liquid pipe diameter	inches	1" Female BSP				1-1/4" Female BSP			
Total water volume	liters	2	2	2	5.5	5.5	5.5	5.5	