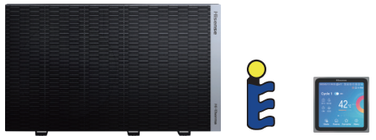
Specification

▸Monobloc

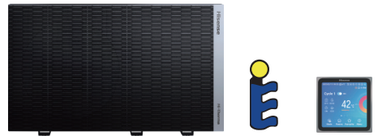


Model					AHZ-080HCPB1A	AHZ-100HCPB1A
Power Supply					1N, 220-240V, 50Hz	
Nominal Heating Operation*1	Ambient Temp. / Water Temp.		-		Parameters	
	A7/W35	Capacity	kW		8.00	10.00
		COP	-		5.10	4.80
	A7/W55	Capacity	kW		8.00	10.00
		COP	-		3.20	3.10
	A-7/W35	Capacity	kW		8.00	10.00
		COP	-		3.00	2.80
	A-7/W55	Capacity	kW		7.00	8.00
		COP	-		2.15	2.15
Nominal Cooling Operation*1	A35/W7	Capacity	kW		8.00	9.00
		EER	-		3.30	3.30
	A35/W18	Capacity	kW		8.00	10.00
		EER	-		5.00	4.70
Seasonal Performance*2	Water Outlet 35ºC	SCOP	-		5.05	5.00
		Seasonal Heating Efficiency (ηs)	%		199	197
		Energy Rating	-		A+++	A+++
	Water Outlet 55ºC	SCOP	-		3.93	3.81
		Seasonal Heating Efficiency (ηs)	%		154	149
		Energy Rating	-		A+++	A++
Seasonal Performance*2 Data for Packaged Fiche with HSXM-FE01A	Water Outlet 35ºC	Seasonal Heating Efficiency (ηs)	%		203	201
		Energy Rating	-		A+++	A+++
	Water Outlet 55ºC	Seasonal Heating Efficiency (ηs)	%		158	153
		Energy Rating	-		A+++	A+++
Sound Pressure*3	Normal Mode		dB(A)		42	43
	Low Noise Mode		dB(A)		38	39
	Night Shift Mode		dB(A)		36	37
Sound Power*3	Normal Mode		dB(A)		53	54
Fan	Condenser Fan Quantity		-		1	1
	Air Flow Rate		m^3/h		3780	3780
Outer Dimensions	Height×Width×Depth		mm		845×1376×426	
Packing Dimensions	Height×Width×Depth		mm		1025×1500×570	
Net Weight			kg		122	122
Gross Weight			kg		145	145
Refrigerant System	Compressor	Type	-		Rotary	
		Quantity	-		1	
	Refrigeration Oil	Type	-		PAG VG60	
		Charge	L		0.83	0.83
	Refrigeration Charge	Type	-		R290	
		Before Shipment	kg		0.98	0.98
Operation Range	Heating	Outdoor Ambient Temperature	ºC (DB)		-25~35	
		Outlet Water Temperature	ºC		20~75	
	Cooling	Outdoor Ambient Temperature	ºC (DB)		5~48	
		Outlet Water Temperature	ºC		5~22	
	DHW	Outdoor Ambient Temperature	ºC (DB)		-25~46	
		Tank Water Temperature	ºC		30~75	
Water Flow Rate	IWT: 30 ºC / OWT: 35 ºC ΔT: 5 ºC		m^3/h		1.38	1.72
DC Water Pump	Type		-		Inverter	
	Max. Lift Pressure		m		9	
	Max. Water Flow Rate		m^3/h		4.5	
	Max. Power Input		W		95	
Valve	Safety Valve		-		Yes (3 bar)	
	Shut-off Valve		in.		1", DN25	
Water Installation	Connection Type		-		Screwed connection	
	Shutdown Valves		mm (in.)		G1"(male)-G1"(female)	
	Inlet Pipe Diameter		mm (in.)		G1"(female)	
	Outlet Pipe Diameter		mm (in.)		G1"(female)	

*1: Heating/Cooling nominal performances at full load conditions according to EN 14511. heating performance are integrated (included defrost cycles).
*2: According to EN14825. Climate Zone AVERAGE. Energy efficiency scale from A +++ to D.
*3: The sound power level is measured according to EN12102 under EN14825 (part load) conditions.The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be taken into consideration at the scene.
OAT: Outdoor ambient temperature; IWT: Inlet water temperature; OWT: Outlet water temperature

Specification

▸Monobloc

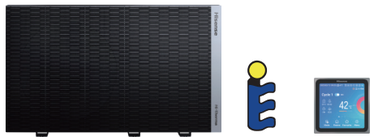


Model					AHZ-120HCPB1A	AHZ-140HCPB1A	AHZ-160HCPB1A
Power Supply					1N, 220-240V, 50Hz		
Nominal Heating Operation*1	Ambient Temp. / Water Temp.		-		Parameters		
	A7/W35	Capacity	kW		12.00	14.00	15.00
		COP	-		4.70	4.50	4.35
	A7/W55	Capacity	kW		12.00	14.00	15.00
		COP	-		3.20	3.10	3.08
	A-7/W35	Capacity	kW		12.00	14.00	15.00
		COP	-		2.80	2.80	2.60
	A-7/W55	Capacity	kW		10.00	11.00	12.00
		COP	-		2.05	2.05	2.05
Nominal Cooling Operation*1	A35/W7	Capacity	kW		11.50	12.50	14.00
		EER	-		2.92	2.85	2.64
	A35/W18	Capacity	kW		12.00	14.00	15.50
		EER	-		4.25	4.00	3.90
Seasonal Performance*2	Water Outlet 35ºC	SCOP	-		4.63	4.62	4.58
		Seasonal Heating Efficiency (ηs)	%		182	181	180
		Energy Rating	-		A+++	A+++	A+++
	Water Outlet 55ºC	SCOP	-		3.67	3.70	3.65
		Seasonal Heating Efficiency (ηs)	%		144	144	143
		Energy Rating	-		A++	A++	A++
Seasonal Performance*2 Data for Packaged Fiche with HSXM-FE01A	Water Outlet 35ºC	Seasonal Heating Efficiency (ηs)	%		186	185	184
		Energy Rating	-		A+++	A+++	A+++
	Water Outlet 55ºC	Seasonal Heating Efficiency (ηs)	%		148	148	147
		Energy Rating	-		A++	A++	A++
Sound Pressure*3	Normal Mode		dB(A)		45	45	46
	Low Noise Mode		dB(A)		43	43	44
	Night Shift Mode		dB(A)		42	42	43
Sound Power*3	Normal Mode		dB(A)		55	56	56
Fan	Condenser Fan Quantity		-		1	1	1
	Air Flow Rate		m^3/h		5070	5070	5070
Outer Dimensions	Height×Width×Depth		mm		845×1376×426		
Packing Dimensions	Height×Width×Depth		mm		1025×1500×570		
Net Weight			kg		132	132	132
Gross Weight			kg		155	155	155
Refrigerant System	Compressor	Type	-		Rotary		
		Quantity	-		1		
	Refrigeration Oil	Type	-		Synthetic Oil		
		Charge	L		1		
	Refrigeration Charge	Type	-		R290		
		Before Shipment	kg		1.30		
Operation Range	Heating	Outdoor Ambient Temperature	ºC (DB)		-25~35		
		Outlet Water Temperature	ºC		20~75		
	Cooling	Outdoor Ambient Temperature	ºC (DB)		5~48		
		Outlet Water Temperature	ºC		5~22		
	DHW	Outdoor Ambient Temperature	ºC (DB)		-25~46		
		Tank Water Temperature	ºC		30~75		
Water Flow Rate	IWT: 30 ºC / OWT: 35 ºC ΔT: 5 ºC		m^3/h		2.06	2.41	2.58
DC Water Pump	Type		-		Inverter		
	Max. Lift Pressure		m		13		
	Max. Water Flow Rate		m^3/h		5.5		
	Max. Power Input		W		195		
Valve	Safety Valve		-		Yes (3 bar)		
	Shut-off Valve		in.		1", DN25		
Water Installation	Connection Type		-		Screwed connection		
	Shutdown Valves		mm (in.)		G1"(male)-G1"(female)		
	Inlet Pipe Diameter		mm (in.)		G1"(female)		
	Outlet Pipe Diameter		mm (in.)		G1"(female)		

*1: Heating/Cooling nominal performances at full load conditions according to EN 14511. heating performance are integrated (included defrost cycles).
*2: According to EN14825. Climate Zone AVERAGE. Energy efficiency scale from A +++ to D.
*3: The sound power level is measured according to EN12102 under EN14825 (part load) conditions.The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be taken into consideration at the scene.
4: The specifications of 12kW~16kW units are for reference only and the final version shall be subject to the officially launched models.
OAT: Outdoor ambient temperature; IWT: Inlet water temperature; OWT: Outlet water temperature

Specification

▸Monobloc



Model				AHZ-120HEPB1A	AHZ-140HEPB1A	AHZ-160HEPB1A
Power Supply				3N, 380-415V, 50Hz		
Nominal Heating Operation*1	Ambient Temp. / Water Temp.		-	Parameters		
	A7/W35	Capacity	kW	12.00	14.00	15.00
		COP	-	4.70	4.50	4.35
	A7/W55	Capacity	kW	12.00	14.00	15.00
		COP	-	3.20	3.10	3.08
	A-7/W35	Capacity	kW	12.00	14.00	15.00
		COP	-	2.80	2.80	2.60
	A-7/W55	Capacity	kW	10.00	11.00	12.00
		COP	-	2.05	2.05	2.05
Nominal Cooling Operation*1	A35/W7	Capacity	kW	11.50	12.50	14.00
		EER	-	2.92	2.85	2.64
	A35/W18	Capacity	kW	12.00	14.00	15.50
		EER	-	4.25	4.00	3.90
Seasonal Performance*2	Water Outlet 35ºC	SCOP	-	4.63	4.62	4.58
		Seasonal Heating Efficiency (ηs)	%	182	181	180
		Energy Rating	-	A+++	A+++	A+++
	Water Outlet 55ºC	SCOP	-	3.67	3.70	3.65
		Seasonal Heating Efficiency (ηs)	%	144	144	143
		Energy Rating	-	A++	A++	A++
Seasonal Performance*2 Data for Packaged Fiche with HSXM-FE01A	Water Outlet 35ºC	Seasonal Heating Efficiency (ηs)	%	186	185	184
		Energy Rating	-	A+++	A+++	A+++
	Water Outlet 55ºC	Seasonal Heating Efficiency (ηs)	%	148	148	147
		Energy Rating	-	A++	A++	A++
Sound Pressure*3	Normal Mode		dB(A)	45	45	46
	Low Noise Mode		dB(A)	43	43	44
	Night Shift Mode		dB(A)	42	42	43
Sound Power*3	Normal Mode		dB(A)	55	56	56
Fan	Condenser Fan Quantity		-	1	1	1
	Air Flow Rate		m^3/h	5070	5070	5070
Outer Dimensions	Height×Width×Depth		mm	845×1376×426		
Packing Dimensions	Height×Width×Depth		mm	1025×1500×570		
Net Weight			kg	133	133	133
Gross Weight			kg	156	156	156
Refrigerant System	Compressor	Type	-	Rotary		
		Quantity	-	1		
	Refrigeration Oil	Type	-	Synthetic Oil		
		Charge	L	1		
	Refrigeration Charge	Type	-	R290		
		Before Shipment	kg	1.30		
Operation Range	Heating	Outdoor Ambient Temperature	ºC (DB)	-25~35		
		Outlet Water Temperature	ºC	20~75		
	Cooling	Outdoor Ambient Temperature	ºC (DB)	5~48		
		Outlet Water Temperature	ºC	5~22		
	DHW	Outdoor Ambient Temperature	ºC (DB)	-25~46		
		Tank Water Temperature	ºC	30~75		
Water Flow Rate	IWT: 30 ºC / OWT: 35 ºC ΔT: 5 ºC		m^3/h	2.06	2.41	2.58
DC Water Pump	Type		-	Inverter		
	Max. Lift Pressure		m	13		
	Max. Water Flow Rate		m^3/h	5.5		
	Max. Power Input		W	195		
Valve	Safety Valve		-	Yes (3 bar)		
	Shut-off Valve		in.	1", DN25		
Water Installation	Connection Type		-	Screwed connection		
	Shutdown Valves		mm (in.)	G1"(male)-G1"(female)		
	Inlet Pipe Diameter		mm (in.)	G1"(female)		
	Outlet Pipe Diameter		mm (in.)	G1"(female)		

*1: Heating/Cooling nominal performances at full load conditions according to EN 14511. heating performance are integrated (included defrost cycles).
*2: According to EN14825. Climate Zone AVERAGE. Energy efficiency scale from A +++ to D.
*3: The sound power level is measured according to EN12102 under EN14825 (part load) conditions.The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be taken into consideration at the scene.
4: The specifications of 12kW~16kW units are for reference only and the final version shall be subject to the officially launched models.
OAT: Outdoor ambient temperature; IWT: Inlet water temperature; OWT: Outlet water temperature

Dimensions

▸ AHZ-***HCPB1A(***-050/080/100/120/140/160)
AHZ-***HEPB1A(***-120/140/160)

Unit: mm

