

HEAT PUMPS

Inventor always strives to bring tomorrow's technology to your home. The Matrix heat pumps ensure maximum energy savings and comfort, thanks to features such as the energy class A+++, rapid hot water production, two stages of silent operation, and Wi-Fi functionality. Inventor heat pumps are the ideal solution for your space, upgrading your home energy efficiency.



Energy Saving Solution

Meet Inventor heat pumps' high-end features that reduce power consumption, saving energy and money.



A+++
Energy Class



Compressor
Smart Grid
and Chassis
Heating Belt



Smart Grid



Modbus
RTU



Wi-Fi Standard



Weekly Planner

Absolute Control & Flexibility

Inventor heat pumps feature all the functions necessary for exceptional comfort, adapting to your needs in a quick and easy manner.

Easy Installation

Inventor heat pumps include everything the installer needs for easy installation without stress and hassle.



Flexible
Installation



Built-in Water
Tank



Ready-to-use
system for
guaranteed results



Split Type Heat Pumps



4-16kW



Model				ATS04S/HU060S3	ATS06S/HU060S3	ATS08S/HU100S3	ATS10S/HU100S3	ATS12S/HU160S3	ATS14S/HU160S3	ATS16S/HU160S3	ATS12T/HU160T9	ATS14T/HU160T9	ATS16T/HU160T9	
Space Heating (Average Climate)	Water temperature 35°C	Capacity	kW	4.25	6.20	8.30	10.0	12.1	14.5	16.0	12.1	14.5	16.0	
		Rated input	kW	0.82	1.24	1.60	2.00	2.44	3.09	3.56	2.44	3.09	3.56	
		COP		5.20	5.00	5.20	5.00	4.95	4.70	4.50	4.95	4.70	4.50	
	Water temperature 55°C	Capacity	kW	4.40	6.00	7.50	9.50	12.0	13.8	16.0	12.0	13.8	16.0	
		Rated input	kW	1.49	2.00	2.36	3.06	3.87	4.60	5.52	3.87	4.60	5.52	
		COP		2.95	3.00	3.18	3.10	3.10	3.00	2.90	3.10	3.00	2.90	
Space Cooling	Water temperature 18°C	Capacity	kW	4.50	6.55	8.40	10.00	12.00	13.50	14.90	12.00	13.50	14.90	
		Rated input	kW	0.81	1.34	1.66	2.08	2.08	3.00	3.75	4.38	3.00	3.75	4.38
		EER		5.55	4.90	5.05	4.80	4.00	3.60	3.40	4.00	3.60	3.40	
	Water temperature 7°C	Capacity	kW	4.70	7.00	7.40	8.20	11.6	12.7	14.0	11.6	12.7	14.0	
		Rated input	kW	1.36	2.33	2.19	2.48	4.22	4.98	5.71	4.22	4.98	5.71	
		EER		3.45	3.00	3.38	3.30	2.75	2.55	2.45	2.75	2.55	2.45	
Seasonal space heating energy efficiency class (Average)	Water outlet at 35°C	ηs (%)		191	195	205	204	189	185	182	189	185	182	
		class		A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	
	Water outlet at 55°C	ηs (%)		129	138	131	136	135	135	133	133	135	133	
		class		A++	A++	A++	A++	A++	A++	A++	A++	A++	A++	A++
SCOP (Average)	Water outlet at 35°C		4.85	4.95	5.21	5.19	4.81	4.72	4.62	4.81	4.72	4.62		
	Water outlet at 55°C		3.31	3.52	3.36	3.49	3.45	3.47	3.41	3.45	3.47	3.41		
SEER	Water outlet at 7°C		4.99	5.34	5.83	5.98	4.89	4.86	4.69	4.86	4.83	4.67		
	Water outlet at 18°C		7.77	8.21	8.95	8.78	7.1	6.9	6.75	7.04	6.85	6.71		
Power supply	V/Hz/Ph		220-240/50/1				220-240/50/1				380-415/50/3			
Auxiliary Electric Heater	kW/Ph		3 / 1				3 / 1				9 / 3			
MOP/MCA	A		18/12	18/14	19/16	19/17	30/25	30/26	30/27	14/10	14/11	14/12		
Compressor	Type		Twin rotary Mitsubishi				Twin rotary Mitsubishi							
Refrigerant	Type / Charged volume	kg	R32/1.50			R32/1.65			R32/1.84					
Water side heat exchanger			Plate type						Plate type					
Water side connection	Liquid Gas Water (inner dimension)	inch	1/4" 5/8" R1"			3/8" 5/8" R1"			3/8" 5/8" R1"					
Power Supply Wire Indoor	No. x mm ² / No. x A		3x4.0 / 2x20 [bipolar fuse (type K)]				3x4.0 / 2x20 [bipolar fuse (type K)]				5x4.0 / 4x20 [quadripolar fuse (type K)]			
Power Supply Wire Outdoor	No. x mm ² / No. x A		3x4.0 / 2x20 [bipolar fuse (type K)]				3x6.0 / 2x25 [bipolar fuse (type K)]		3x10.0 / 2x32 [bipolar fuse (type K)]			5x2.5 / 4x20 [quadripolar fuse (type K)]		
Power Supply Wire	No. x mm ² / No. x A		3x1.0 shielded						3x1.0 shielded					
Sound (power/pressure/pressure silent 2)	Cooling	dB(A)	56/44/39	58/45/40	59/46/41	60/49/41	64/50/43	65/51/43	68/54/43	64/50/43	65/51/43	68/55/43		
	Heating		38/28			42/30			43/32					
Unit dimension (W×H×D)	Cooling	mm	1.008x712x426			1.118x865x523			1.118x865x523					
	Heating		420x790x270						420x790x270					
Net weight ODU/IDU		kg	58/37			75/37			97/39			112/45		
Outdoor air temperature range	Cooling	°C	-5~43			-5~43								
	Heating	°C	-25~35			-25~35								
	ZNX	°C	-25~43			-25~43								
Water outlet temperature range	Cooling	°C	5~25			5~30			5~30					
	Heating	°C	25~65			12~65			12~65					
	ZNX (tank)	°C	30~60			10~60			10~60					

According to EU standards and legislations
EN14511:2013; EN14825:2013; EN50564:2011; EN12102:2011; (EU) No 811/2013; (EU) No 813/2013; OJ 2014/C 207/02.

Wiring specifications for air-to-water heat pumps must always comply with local regulations and requirements.