

Split Air Source Heat Pump

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Heat pump supply Luxury split air source heat pump provides energy-efficient space heating, cooling and domestic hot water for residential and small commercial application. Adopting the Green refrigerant R410a for highly efficient with low running costs, low carbon emission hence enabling it to be integrated with energy systems such as solar heater and boiler. The split design has no water system outside, any freezing or damage to water system. All hydraulic parts are located within the indoor unit. Parts such as water pump, expansion vessel, buffer tank and safety equipment have already been fitted inside the indoor unit. Optional refrigerant pipe quick connection is available to reduce installation cost.

Application of Split Air Source Heat Pump

Heat pump supply split system heat pump also can be installed in both new and renewal applications. If you already have the heating system there is no need to change it. The split system of heat pump can be compatible with.

- a. Floor heating and cooling.
- b. Fan-coils.
- c. Mixed installation for floor heating and fan-coils.
- d. Standard low temperature radiators.
- e. Thermal solar energy among others.

Technical Specification of Split Air Source Heat Pump

TECHNICAL DATA			NT-11HAS	NT-14HAS	NT-16HAS/3
Heating	Nominal capacity	kW	11.52	13.73	16.02
	Power input	kW	3.25	3.38	4.01
	COP	W/W	3.55	4.06	4.00
Cooling	Nominal capacity	kW	10.29	13.01	14.74
	Power input	kW	3.85	4.16	4.98
	EER	W/W	2.67	3.13	2.96
DHW	Nominal capacity	kW	10.06	12.58	15.21
	Power input	kW	3.95	4.05	4.88
	COP	W/W	2.55	3.11	3.12

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Power supply		V/Ph/ Hz	220-240/1/50		380-415/3/5 0
Max. leaving water temperature (without using backup heater)		°C	58		
Refrigerant		R410A			
Compressor	Type	Scroll			
	Brand	SANYO	DAIKIN	DAIKIN	
Dimensions (Net)	Indoor unit mm (HeightxWidthxDepth)	mm	1047x508x406		
	Outdoor unit mm (HeightxWidthxDepth)	mm	960x990x360	960x990x360	1225x950x360
Dimensions (Packing)	Indoor unit mm (HeightxWidthxDepth)	mm	1120x585x470		
	Outdoor unit mm (HeightxWidthxDepth)	mm	1100x1105x420	1100x1105x420	1380x1045x455
Net weight	Indoor unit	kg	67	68	69
	Outdoor unit	kg	95	98	113
Gross weight	Indoor unit	kg	71	72	73
	Outdoor unit	kg	103	106	122
Noise level	Indoor unit	dB(A)	31		
	Outdoor unit	dB(A)	51	54	55
Container loading	20' GP		34 (units)	34 (units)	27 (units)
	40' GP		72 (units)	72 (units)	57 (units)
	40' HQ		72 (units)	72 (units)	57 (units)
Features included					
ON/OFF or Inverter type		On/off unit			
Plate heat exchanger		Stainless steel heat exchanger			
Water pump		Wilo brand 4.6 m3/hr			
3-way valve		Switch from space heating/cooling to domestic hot water			
Manometer		Refrigerant/water pressure manometer			
Stainless steel buffer tank		20L			
Expansion vessel		10 L			
Electric heater		3*2kW			
Castel safety valve		yes			

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Castel air purge valve	yes
Water flow switch	yes
Auto restart	yes
Notes: Capacities and power inputs based on the following conditions: - Heating: Water Inlet/Outlet in temperature of 30°C /35°C . Outdoor air dry bulb/wet bulb temperature ranges from 7°C to 6°C - Cooling: Water Inlet/Outlet in temperature of 23°C /18°C . Outdoor air dry bulb temperature is 35°C - Domestic Hot Water: Water temperature in the tank is 40°C . Outdoor air dry bulb/wet bulb temperature is 7°C /6°C - Data are based on approx 5 m length of well insulated refrigerant pipes. Refrigerant content is suitable for 10 meters long pipes.	

Heat pump supply is an experienced split air source heat pump manufacturer in China. Our company provides household heat pump water heater, solar water heater, tube solar water heater, solar collector, among others.

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Contact us now for quotation and order today.
