

RESIDENTIAL | WATER²AIR | AP SPLIT SERIES

Reinventing Energy Efficiency



Key Features

Standard

- Coated Air Coils
- ECM Motor
- Four Sided Filter Rack
- Coaxial Heat Exchanger Copper
- Stainless Steel Drain Pan
- Geothermal
- Filter Drier
- Compressor Blanket
- Foil Faced Insulation
- Scroll Compressor 2 Stage
- Floating Base Pan
- Unit Protection Module 1
- TXV Valve
- Motor Control Interface
- R410-A Refrigerant
- Comfort Alert Diagnostics Module

Optional

- Electrical Heater
- Coaxial Heat Exchanger Cupronickel
- Desuperheater



AP SERIES SPLIT

Luxurious

The FHP's AP Split Series water to air heat pump is the most flexible geothermal technology available today. Rated as the most efficient product on the market today, the AP Series unit features a state of the art two-stage unloading scroll compressor. When controlled by a multistage thermostat, this compressor matches the demand for heating and cooling. This can mean up to a staggering 70% savings in your energy bill, while improving humidity control and the overall comfort throughout your home. Air handling sections are available in vertical, horizontal and counterflow configurations from 2.0 through 6 tons so there is a unit to meet your every need.

Increased flexibility in installation - Location

The AP Split condensing section can be placed remotely from the air handler section. This allows a unit installation in locations with limited space as the total weight can be spread over a larger area. This also allows installing the condensing section, the major contributor to noise and vibration, remote from occupied areas. Air handlers can be located in an attic and connected by refrigeration lines. Multiple condensing units may be centrally located to facilitate servicing.

Quiet Operation

The unique floating compressor base pan and compressor blanket keep sound levels of the condensing section to an absolute minimum. The condensing unit can be located remotely while the air handler can be located near noise sensitive areas.

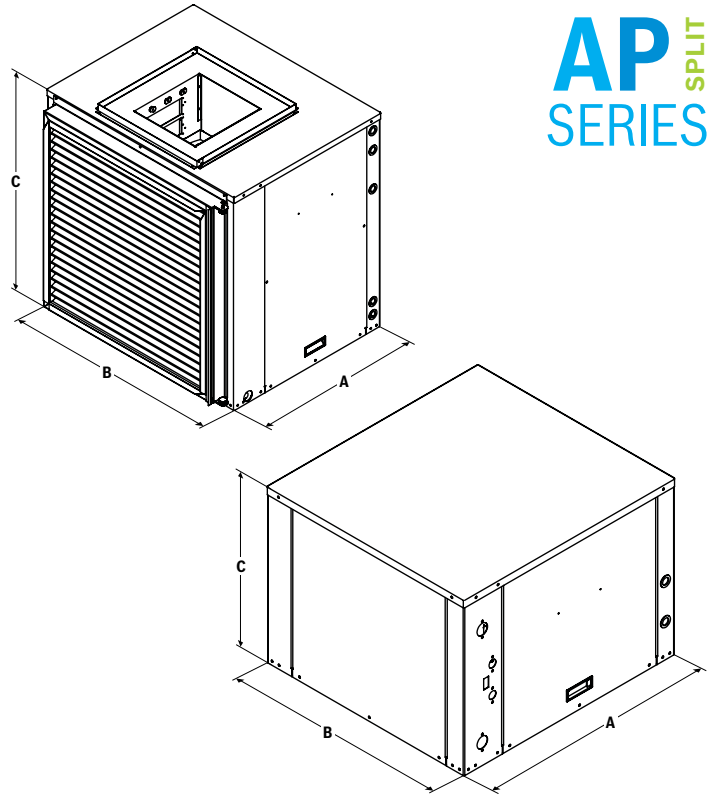
Quality

The AP Split Series features coated evaporator coils, stainless steel drain pans to ensure a long and trouble-free life and a black vinyl coated cabinet provides an attractive finish and condensate over flow sensor are provided as standard. FHP's ISO 9001:2000 certified facilities provide consistent quality in every unit we build.

MODEL VT Air Handler	DIMENSIONS		
	A (width)	B (deph)	C (height)
AP025	22.00	26.25	25.75
AP035	24.25	33.50	25.75
AP049	26.25	33.50	33.00
AP061	26.25	33.50	42.25
AP071	26.25	33.50	42.25

MODEL HZ Air Handler	DIMENSIONS		
	A (width)	B (deph)	C (height)
AP025	26.25	34.75	22.50
AP035	30.25	39.00	22.50
AP049	30.25	51.50	22.50
AP061	33.25	60.25	22.50
AP071	33.25	60.25	22.50

MODEL Condensing Section	DIMENSIONS		
	A (width)	B (deph)	C (height)
AP025	30.25	28.25	22.00
AP035	30.25	28.25	22.00
AP049	30.25	28.25	22.00
AP061	30.25	28.25	22.00
AP071	30.25	28.25	22.00



MODEL	FLUID FLOW RATE	ARI / ISO 13256-1 PERFORMANCE DATA											
		ENTERING WATER TEMPERATURES											
		Water Loop (WLHP)				Ground Water (GWHP)				Ground Loop (GLHP)			
		86°F		68°F		59°F		50°F		77°F		32°F	
		CAPACITY AND EFFICIENCY DATA											
		COOLING CAPACITY	EER	HEATING CAPACITY	COP	COOLING CAPACITY	EER	HEATING CAPACITY	COP	COOLING CAPACITY	EER	HEATING CAPACITY	COP
AP025													
Part Load	8.0	20,000	19.2	23,000	6.4	22,500	32.4	19,500	5.4	22,000	27.7	16,600	4.6
Full Load	8.0	27,000	16.1	32,500	5.2	31,000	25.0	26,500	4.7	28,500	19.1	20,400	4.0
AP035													
Part Load	9.0	25,700	19.7	29,500	6.2	29,500	33.9	24,300	5.2	28,200	28.4	22,000	4.7
Full Load	9.0	36,600	15.9	43,000	5.0	41,200	23.4	36,200	4.6	38,200	18.3	28,200	4.0
AP049													
Part Load	12.0	37,000	19.9	38,500	5.8	41,200	23.4	31,500	4.9	40,200	27.9	28,000	4.5
Full Load	12.0	50,000	16.8	53,000	5.1	56,000	23.9	45,500	4.7	52,000	18.9	38,000	4.0
AP061													
Part Load	14.0	47,000	18.9	56,500	6.1	53,000	32.9	45,000	5.1	51,000	27.6	39,000	4.5
Full Load	14.0	64,000	16.1	78,500	5.3	71,000	23.7	65,000	4.9	67,000	18.4	49,000	4.0
AP071													
Part Load	18.0	53,000	18.1	65,800	5.1	59,000	28.7	53,700	4.5	57,500	25.1	47,000	4.0
Full Load	18.0	72,000	15.9	89,000	5.1	78,000	21.7	73,000	4.6	74,000	17.9	58,000	4.0



Energy Star Rated Products.

601 N.W. 65th Court, Ft. Lauderdale, FL 33309
 Phone: 954-776-5471 | Fax: 954-776-5529
 www.boschtaxcredit.com | www.fhp-mfg.com



"At FHP we carry the best warranty in the industry"