

# AAS Series

## Heat Pump System

Application Flexible | Fast and Easy Replacement | Damage Protection



# COLD POINT AAS SERIES

## Heat Pump System

The Cold Point AAS series boasts a compact cabinet, making this heat pump system the perfect solution for commercial retrofit or new construction applications.

The Cold Point AAS series far exceeds the ASHRAE 90.1 minimum efficiency and utilizes environmentally friendly R-410A refrigerant to reduce operating costs without compromising the environment. AAS Series water source heat pumps are popular in a variety of building applications where quiet operation in a compact footprint is a key requirement.

### Ideal for New Construction and Rehabilitations – Low-Rise and High-Rise

True to our commitment to offer equipment that's flexible enough to meet the design of the building rather than forcing a building to conform to limitations of the equipment, our AAS Series packaged water source heat pumps can be applied to virtually any type of building.

With its compact footprint, the Cold Point AAS Series is particularly advantageous for new construction or renovation of apartments, condominiums, hotels, senior living facilities, dormitories and office buildings.

#### Standard Features:

- Made in the USA
- Designed for easy installation and compatibility.
- ETL safety labeled
- Quiet, durable, and efficient compressor with built-in pressure and temperature protection
- Heavy gauge G90 galvanized steel construction
- Powder-painted drain pan
- High pressure switch
- Frost protected cooling
- Water coil freeze protection
- Refrigerant circuit access ports
- Precision charged with R-410A refrigerant



# COLD POINT AAS SERIES APPLICATION & BENEFITS

## Compact Footprint

Compact cabinet design with quick access for ease of service. Horizontal units can be serviced through the unit bottom to virtually eliminate removing ceiling mounted units for service.

## R-410A Refrigerant

Environmentally friendly, non-ozone-depleting refrigerant to protect the Earth.

## Fan Operation

Oversized blower for quiet operation. A PSC fan motor is standard for economical operation with an optional constant torque multi-speed EC motor, with soft start and serviceable from one side.

## Drain Pan

Internally trapped (vertical models), stainless steel drain pan for years of trouble-free service.

## Compressor

Compact and efficient compressors, with double isolation for quiet operation.

## Reliable Operation

Thermostatic expansion valve maintains maximum capacity under a wide range of operating conditions.

## Coaxial Heat Exchangers

Heavy duty coaxial heat exchanger for reliability. Enhanced internal surface treatment for increased efficiency (CuNi available).

## Easy to Install

Water connections are securely mounted flush to the cabinet to eliminate the need for a backup wrench.

## Electronic Control Board

Each unit ships with solid state microprocessor controls with safeties built-in for reliable protection.

## Built to Last

Satin galvanized and acoustically insulated cabinet for years of quiet operation.

## Geothermal Application

Unit capable of operation on a closed loop or a water well installation.

## Cold Point AAS Performance Ratings - PSC Motor

Model with PSC Motor	CFM	GPM	Water Loop Heat Pump				Ground Loop Heat Pump			
			Cooling 86°F		Heating 68°F		Cooling 77°F		Heating 32°F	
			Capacity Btuh	EER Btuh / W	Capacity Btuh	COP	Capacity Btuh	EER Btuh / W	Capacity Btuh	COP
AAS-006	200	1.5	6,100	13.5	7,320	4.4	6,527	15.5	5,124	3.5
AAS-009	300	2.3	9,000	13.5	10,800	4.4	9,630	15.5	7,560	3.5
AAS-012	400	3.0	12,000	13.5	14,400	4.4	12,840	15.5	10,080	3.5
AAS-015	500	3.8	15,000	13.5	18,000	4.4	16,050	15.5	12,600	3.5
AAS-018	600	4.5	18,000	13.5	21,600	4.4	19,260	15.5	15,120	3.5
AAS-024	800	6.0	24,000	13.5	28,800	4.4	25,680	15.5	20,160	3.5
AAS-030	1000	7.5	30,000	13.5	36,000	4.4	32,100	15.5	25,200	3.5
AAS-036	1200	9.0	36,000	13.5	43,200	4.4	37,800	15.5	30,240	3.5
AAS-042	1400	10.5	40,500	13.5	48,600	4.4	42,525	15.5	34,020	3.5
AAS-048	1600	12.0	48,000	13.5	57,600	4.4	50,400	15.5	40,320	3.5
AAS-060	2000	15.0	60,000	13.5	72,000	4.4	63,000	15.5	50,400	3.5

## Cold Point AAS Performance Ratings - EC Motor

Model with EC Motor	CFM	GPM	Water Loop Heat Pump				Ground Loop Heat Pump			
			Cooling 86°F		Heating 68°F		Cooling 77°F		Heating 32°F	
			Capacity Btuh	EER Btuh / W	Capacity Btuh	COP	Capacity Btuh	EER Btuh / W	Capacity Btuh	COP
AAS**006A	200	2	6,000	17.0	7,500	5.6	6,300	19.0	4,600	4.0
AAS**009A	300	2.5	9,000	14.0	11,500	4.4	9,300	15.5	7,000	3.4
AAS**012A	400	3	12,500	13.5	15,000	4.5	13,000	14.5	10,000	3.4
AAS**015A	500	3.8	15,000	17.0	18,000	5.6	15,000	19.0	12,000	4.0
AAS**018A	600	4.5	18,000	17.0	21,600	5.6	18,500	19.0	13,500	4.0
AAS**024A	800	6.0	24,000	16.4	28,000	5.2	25,000	18.5	17,000	3.7
AAS**030A	1000	7.5	30,000	16.0	34,000	5.0	30,000	17.5	23,000	3.6
AAS**036A	1200	9.0	36,000	17.0	43,000	5.0	36,000	19.0	28,000	3.6
AAS**042A	1400	10.5	42,000	15.0	49,000	4.6	43,000	17.0	33,000	3.5
AAS**048A	1600	12.0	48,000	15.0	56,000	4.6	49,000	17.0	35,000	3.5
AAS**060A	2000	15.0	58,000	15.0	72,000	4.6	59,000	17.0	49,000	3.5

Cooling based upon 80.6°F DB, 66.2°F WB entering air temperature

Heating based upon 68°F DB, 59°F WB entering air temperature

# INNOVATIVE HEATING AND COOLING SOLUTIONS

Cold Point equipment has been specified in hundreds of projects in these and other applications:  
Direct Replacement | New Construction | Renovation | Commercial & Residential Solutions

## Cold Point values reliability as much as you

Your Cold Point sales representative knows their reputation is on the line with every sale. Therefore, they are as personally invested in your comfort as you are, and take great pride in creating your perfect indoor environment.

## Rest comfortably, knowing Cold Point stands behind our products

The Cold Point Corporation backs our products with a standard warranty that includes labor for the entire first year of ownership. Registered Limited Warranty terms include: 12 month limited warranty on components, 60 month limited warranty on all unit compressors from the date of original installation OR 15 months limited warranty on components, 63 month limited warranty on all unit compressors from the date of original sale, whichever comes first. For all coverage options and complete coverage terms, check with your local Cold Point representative for full details.

## Industry-leading expertise

Cold Point Corporation is the industry-leading supplier of aftermarket comfort solutions for commercial and residential applications. We have over 18 years of experience developing OEM-style replacement products to keep you happy and comfortable. Whether it is a water source heat pump application or an air source PTAC system, Cold Point has the knowledge and products to restore your system to its original operating condition.

## Reliable comfort products backed by the industry experts in OEM-style replacement units

To learn more about how the Cold Point Corporation can help you save time and money on your next project, contact your local Cold Point representative. Call **315-339-2331** to speak with one of our specialists, or e-mail your request to [info@coldpointcorp.com](mailto:info@coldpointcorp.com).

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