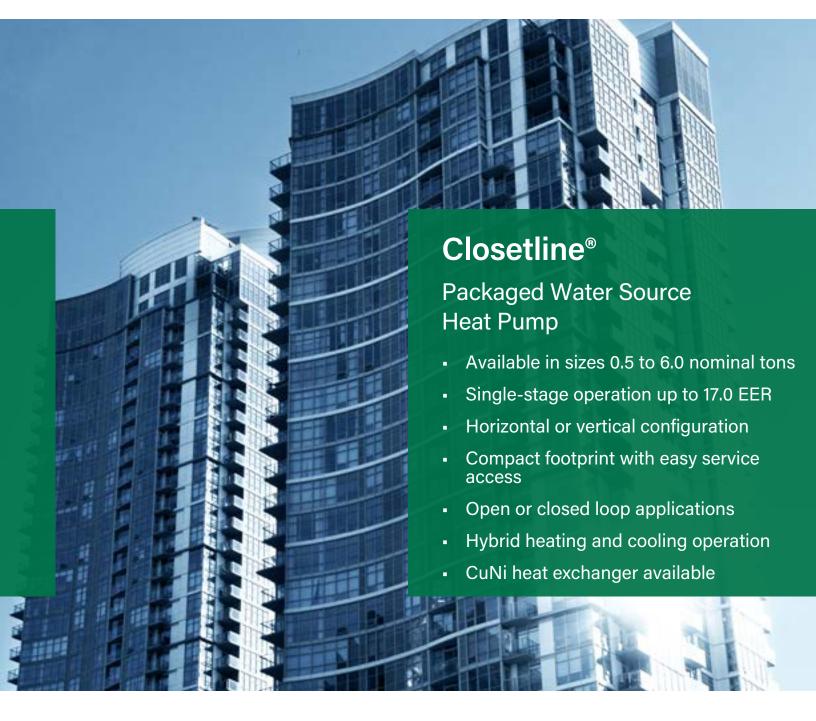


Closetline® Packaged Water Source Heat Pump





# **Closetline® Water Source Heat Pump**

### Great for a Variety of Applications

The Closetline<sup>®</sup> CAS series from The Whalen Company boasts a compact cabinet, making this heat pump system the perfect solution for commercial retrofit or new construction applications.

The Closetline<sup>®</sup> CAS series far exceeds the ASHRAE 90.1 minimum efficiency and utilizes environmentally friendly R-410A refrigerant to reduce operating costs without compromising the environment. Closetline<sup>®</sup> 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 Closetline<sup>®</sup> packaged water source heat pumps can be applied to virtually any type of building.

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





## Benefits that Make a Big Difference

When you consider all of the features of Whalen units, it's easy to see why they deliver so many benefits to contractors and users alike.

#### **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 constant torque multi-speed EC motor is standard for economical operation 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 builtin 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.

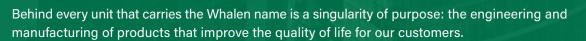
Closetline	e CAS	Perform	ance	Ratin	gs	- E	CIVIO	lor	

			Water Loop Heat Pump				Ground Loop Heat Pump				
Model with EC Motor CFM			Cooling 86°F		Heating 68°F		Cooling 77°F		Heating 32°F		
	CFM	GPM	Capacity Btuh	EER Btuh / W	Capacity Btuh	COP	Capacity Btuh	EER Btuh / W	Capacity Btuh	COP	
CAS**006A	200	2.0	6,000	17.0	7,500	5.6	6,300	19.0	4,600	4.0	
CAS**009A	300	2.5	9,000	14.0	11,500	4.4	9,300	15.5	7,000	3.4	
CAS**012A	400	3.0	12,500	12.7	15,000	4.1	13,000	14.5	10,000	3.4	
CAS**015A	500	3.8	15,000	17.0	18,000	5.6	15,000	19.0	12,000	4.0	
CAS**018A	600	4.5	18,000	17.0	21,600	5.6	18,500	19.0	13,500	4.0	
CAS**024A	800	6.0	24,000	16.4	28,000	5.2	25,000	18.5	17,000	3.7	
CAS**030A	1000	7.5	30,000	16.0	34,000	4.6	30,000	17.5	23,000	3.6	
CAS**036A	1200	9.0	36,000	17.0	43,000	5.0	36,000	19.0	28,000	3.6	
CAS**042A	1400	10.5	42,000	15.0	49,000	4.6	43,000	17.0	33,000	3.5	
CAS**048A	1600	12.0	48,000	15.0	56,000	4.6	49,000	17.0	35,000	3.5	
CAS**060A	2000	15.0	58,000	15.0	72,000	4.6	59,000	17.0	49,000	3.5	
CAS**072A	2200	18.0	71,000	15.0	78,000	4.2	72,000	17.0	53,000	3.0	

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

Performance based on 208/60/1 voltage

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Our long-term commitment to this endeavor assures you of systems that are distinctive in *concept*, *performance*, *reliability* and *value*.

The number of industry "firsts" from Whalen is impressive. They include:

- · The industry's first vertical stack valveless fan coils
- · The first vertical stack heat pump offering
- The first removable chassis closet-type heat pumps
- The first AHRI-listed water-cooled air conditioning units with hydronic heat

Let us put Whalen innovation to work for you, too. Find out how our approach to your project will deliver a "perfect fit" solution – and make your life easier.

Need to locate a sales representative? Whalen's sales rep locator tool was designed to help you easily find a Whalen sales representative within the United States and Canada. *whalencompany.com/replocator* 



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