



XR16 Low Profile Heat Pump

What is the family name for the new Side Discharge Heat Pumps?

We will go to market with XR16 Low Profile Heat Pump.

Where are these type of units needed or applied?

» Typically used for zero lot line applications, under decks, condos, multi-family, row homes or anywhere space constraints makes vertical discharge a challenge.

What capacity sizes are available in the side discharge family?

We will have 7 models in 1.5 thru 5 ton capacities.

What are the efficiency levels?

» All models will achieve 14 SEER and 8.5 HSPF with TEM4 air handlers and 15/16 SEER and 9.5 HSPF with TEM6 air handlers. Up to 17 SEER and 10 HSPF is available which makes this the "Industry's Most Efficient Single Stage Ducted Side Discharge Heat Pump" offering on the market today.

What will the market price be for the XR16 Low Profile models?

We plan to be competitively priced against the Carrier/ Bryant 14 SEER Side Discharge heat pump models but with higher efficiency and a better value proposition for the homeowner.

Where can I find more information on the AHRI ratings?

» All acceptable ratings with Trane coils, furnaces and air handlers are currently listed in the AHRI directory. Visit ahridirectory.org for more information.





Will these units have spine fin coils?

» No, they will have a copper tube aluminum fin condenser coil.

Will there be a coastal coil model or option for sea coast installations?

yes, we will have e-coated coil options available for installations that are on the sea coast. Delivery time for the factory installed e-coated coil models will be 8 weeks from order date.

What voltage are these models designed for?

» All models are 230 Volt 1-Phase.

Is there a plan to offer 3 phase models?

yes, we have a program planned for 2018 to develop 230 and 460 Volt 3-4-5 ton AC and Heat Pump models for a late Q4 introduction.

What type compressor is used?

These models will all utilize a Climatuff single speed scroll compressor.

What type of coil guard (protection) do these units have?

The units have a wire coil guard (2" x 4" spacing) factory installed.

Why does the air conditioner have a plastic mesh coil guard and the heat pumps have a metal coil guard?

» The plastic mesh coil guard lays flat against the coil so it ices up as well as the coil during heating operation. The defrost cycle would clear the ice from the coil but not from the mesh coil guard so we had to design a different coil guard solution for heat pumps.

Will there be hail guard accessories available for these units?

Yes, a wire hail guard accessory (1/2" X 1/2" spacina) will be available for the heat pumps.





What type of defrost control is being used on these units?

» A demand defrost control will be used for optimal performance and efficiency.

Are pressure switches factory installed?

» Yes, high and low pressure switches are installed.

Does the unit ship with a liquid line drier?

yes, the drier is factory provided and field installed.

Are start kits factory installed?

» No, scrolls do not need start kits to operate under normal operating conditions. Start kit accessories are available when required.

What is the sound level on these units?

» The sound level range is 69-74 dBA.

Do these units have a factory installed compressor sound enclosure?

» No but sound enclosures are available and will reduce the published sound level in the Product Data by 1dBA.

What is the max line length and lift for these units?

» The max line length is 150 feet and the max line lift is 50 feet, same as for the vertical discharge XR16 heat pumps.

What is the Min and Max Cooling Operating temperatures?

» The MAX cooling operating temperature is 115°F. The minimum cooling temperature is 55°F as shipped, 40°F with the addition of an evaporator defrost control (EDC) and crank case heater (CCHT), 30°F with the use of a TXV, EDC and CCHT and 20°F with the use of a BAYLOAM107A accessory kit. See Application Guide SSC-APG014A-EN for more detail.

What is the Min and Max Heating Operating temperatures?

» The MAX heating operating temperature is 67 degrees Fahrenheit. The minimum heating temperature is minus 7 degrees Fahrenheit.

Do these units ship with crank case heaters (Compressor sump heat)?

» No, but Crank case heater accessories are available.

Are wind baffle kits available and when are they required?

Yes, wind baffle kits are available and should be installed whenever the application site will have sustained wind speeds of 25 MPH or greater.

Where are these units being assembled?

The units will be produced in our Tyler, Texas manufacturing plant.

What is the limited warranty?

» The base limited warranty for the compressor, coil and parts is 5 years and the registered limited warranty is 10 years, same as for all other current XR16 single stage heat pumps.

How far away from the wall does the coil need to be for proper operation?

» The coil needs to have a six (6) inch clearance from the home or wall and twenty inches (20) from any shrubs on the discharge or outlet grill side for proper operation.

Can I stack the units?

» No, you cannot stack heat pumps one unit directly on top of another due to operational issues which will occur during defrost when melted water drains off of the upper unit onto the bottom unit and refreezes.

Do you have a wall bracket kit for mounting the units?

Yes, we have a wall mounting bracket accessory setup in parts that is available for order. The part number is BRK05033 and will work on all models.

Do I need to use isolation pads when mounting on a wall?

yes, the BAYISLT isolation accessory is recommended to minimize vibration and energy transfer to the structure.

