

XV19 TruComfort™ Low Profile Heat Pump

What is the family name for the new side discharge variable speed heat pumps?

» We will go to market with XV19 TruComfort™ Low Profile Heat Pump.

Will distributor and dealers be required to have certified FSRs and dealers (technical training) prior to purchasing the product?

» Yes, distributors must have an FSR and dealers who have passed the TruComfort™ technical training prior to purchase.

What capacity sizes are available in the side discharge family?

» We will have 2, 3, 4, and 5 ton capacities available.

Does the XV19 have 750 speeds like the XV18/XV20?

» No, the XV19 will have 500 to 700 speeds depending on the tonnage. To reach our low sound levels we utilized a larger capacity compressor in each tonnage, which reduced the rpm required to deliver full capacity. This also raises the minimum speed required for adequate compressor lubrication and reliability from 25%, to between 30% and 50% on the XV19 TruComfort side discharge models. With 30% to 100% compressor speed range, we will have up to 700 speeds because we have the ability to vary speed in 1/10 of 1% increments. See speed/capacity range by tonnage below:

Tonnage	Minimum/Maximum Speed Range
2 & 3 ton	50 to 100% (500 Speeds)
4 ton	35 to 100% (650 Speeds)
5 ton	30 to 100% (700 Speeds)

Does the XV19 use 24 volt or communicating controls?

» The XV19 uses the ComfortLink™ II communicating controls only and therefore requires the XL850 or XL1050 controls and ComfortLink™ II communicating indoor air handlers or furnaces.

Does the XV19 have the same low ambient heating capacity and over speed capability as the XV18/XV20 vertical discharge heat pumps?

» No, the XV19 does not over speed in the heating mode like the vertical discharge XV18/XV20 heat pumps since we wanted to meet the very low sound requirements for the city of Seattle. If low ambient heating capacity is the primary need, the XV18/XV20 would be the better choice.

Where are these type of units needed or applied?

» Low profile units are typically used for zero lot line applications, under decks, condos, multi-family, row homes or anywhere space constraints makes vertical discharge a challenge. Also where city ordinances have a maximum operating sound levels that a vertical discharge system cannot deliver. Seattle is one city with very low HVAC sound requirements of 45 dB(A) nighttime and 55 dB(A) daytime. Hotels and outdoor living spaces are other great applications for this product.

What are the operating sound levels?

» We have a minimum/maximum operating speed sound level of 43 to 57 dB(A) in both heat and cool.

Do these units have a factory installed compressor sound enclosure?

» Yes, there is a 4 layer sound enclosure similar to the type used on the XV18/20 TruComfort systems. In addition, the compressor inside the control box also helps with reducing the sound levels.

What are the efficiency levels?

» Efficiencies up to 19.5 SEER and 11.5 HSPF with TEM8/TAM9 air handlers and up to 12 HSPF on the 2 ton dual fuel system. The XV19 will be Trane's quietest and most efficient ducted split system available.

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.

What will the market price be for the XV19 Low Profile models?

» The XV19 will be positioned between the XV18 and XV20 prices. With lower sound and efficiencies better than the XV20, this is a great value for southern markets with more cooling hours.



**Will these units have spine fin coils?**

- »No, they will have a copper tube aluminum fin plate 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.

What type compressor is used?

- » These models will all utilize a Climatuff™ variable 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.

Will there be hail guard accessories available for these units?

- »Yes, a wire hail guard accessory (1/2" wire spacing) will be available.

Are pressure switches factory installed?

- »Yes, high and low pressure switches are installed.

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

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

Does the unit ship with a liquid line drier?

- »Yes, the filter drier is factory provided and field installed.

Are start kits factory installed?

- »No, inverter compressor systems do not require start components.

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

- » The maximum line length is 150 feet and the maximum line lift is 50 feet.

What is the minimum and maximum cooling operating temperatures?

- »The minimum cooling operating temperature is 45 F. The maximum cooling operating temperature is 120 F.

What is the minimum and maximum heating operating temperatures?

- »The minimum heating operation temperature is -10 F. The maximum heating operating temperature is 67 F.

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

- »No, the crank case heat is integral to the compressor and inverter drive as was done on the XV18/XV20 designs.

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 manufactured?

- »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.

Will a technician still need to get authorization prior to replacing an inverter drive?

- »Yes, the same process will be required.

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.

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 for the new kit with three "L" brackets (one for each mounting foot) and will work on both XR and XV 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.

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. If you need to install a side discharge heat pump one above another, then you must provide a method of preventing water or defrost melt from icing up the unit below by installing a protective cover or shield. You can stack an XR16 1-stage side discharge air conditioner on top of an XR16 1-stage heat pump or the XV19 heat pump if desired.