

## Applications

### Low Ambient Cooling

As stated in the Computer Room, Commercial and Sun Room application pages -

ALL Team Air models as standard are capable of providing **COOLING** operation down to an ambient temperature of 65 DegF.

Therefore to operate in Cooling down to an ambient temperature of 32 DegF, both an ICM326H Fan Speed Controller, plus a Crankcase Heater, either a Mars #32342 or Raychem #CCH-1 or 2 bellyband types **MUST** be installed.

For cooling operation below 32 DegF, and down to a minimum of 0 DegF, Team Air recommends that Wind Baffles be installed on both the Coil Inlet and Fan Outlet of the Outdoor unit. Please contact Team Air directly for details of the design requirements for the Wind Baffles.

*We also recommend using these Wind Baffles in applications where the units may be exposed to prevailing winds blowing through the condenser coil. These winds may cause the unit to over condense and freeze the indoor unit, or allow liquid refrigerant to be inadvertently slugged back into the compressor.*

### Installing the ICM326H Fan Speed Controller

The controller should be located per the instructions provided, it is not weatherproof, therefore should be mounted inside the compressor compartment of the Outdoor unit

Team Air Units have Ball Bearing Condenser Fan motors, set both the Hard Start and Cut Out speed setting dials to 1/3 off the MINIMUM position

The Temperature sensing probe should be securely attached on or adjacent to a return bend on the condenser coil that measures 100 DegF in normal operation. In practice this works out to be the 3<sup>rd</sup> Return bend down from the top of the coil.

Securely strap the probe to the bend or tube and insulate to ensure accurate temperature sensing.

### Wiring

Wiring should be in accordance with the diagrams on the following pages, DO NOT deviate from the wiring shown, if in doubt please call Technical Support for assistance.

Please note on Heat Pump units the bypass connection must be wired from the Reversing Valve to the ICM controller to ensure that the Outdoor fan operates at full speed in the Heat Pump Heating mode