

# AbsolutAire, Inc. \* Kalamazoo, MI 49004

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## Advanced Specs for MUA w/Cooling - Request for Quote

Today's Date: \_\_\_\_\_ Quote / Information Required Date: \_\_\_\_\_

From: \_\_\_\_\_

1) Project Name: \_\_\_\_\_

2) Project Location: \_\_\_\_\_ (requires both the city & state)

3) Btu/Hr Cooling Requirements (select A, B, or C and also fill out the temperature or tonnage required):

- A) Approximate discharge temperature during cooling mode (55°F, 70°F, etc): \_\_\_\_\_ °F
- B) Approximate "temperature drop" expected: \_\_\_\_\_ °F
- C) Cooling tonnage requirement: \_\_\_\_\_ (enter tonnage required – note: 1-ton = 12,000 Btu/Hr)

4) Select the type of cooling system desired (A or B) and provide the relative information:

A) Direct Expansion (DX) Cooling Coil (works in conjunction with a condensing unit)

**If a "DX" Cooling Coil – who would supply the condensing unit? There are (3) different choices (listed in order of lowest to highest cost) – please make a selection (1, 2, or 3):**

- 1) The (xx-tons) condensing unit, TX valve(s), all cooling-related piping / line sets, R410a refrigerant, cooling specialties, temperature controls for the cooling system, installation, wiring, startup services, etc. is **ALL PROVIDED BY OTHERS.**
- 2) AbsolutAire shall provide the (xx-tons) condensing unit and TX valve(s) – as "shipped loose" **PARTS ONLY** – all other cooling related items (ie: piping / line sets, R410a refrigerant, cooling specialties, temperature controls for the cooling system, installation, wiring, startup services, etc. is **ALL PROVIDED BY OTHERS.**
- 3) AbsolutAire shall provide a "packaged system" – with the (xx-tons) condensing unit mounted on a common structural base/frame with the MUA, cooling coil section, etc....and all of the cooling-related items would be taken care of and provided by AbsolutAire (at the factory). The unit would ship out of factory all pre-piped, refrigerant charged, tested, and ready to go (with normal installation requirements and utilities provided BY OTHERS at the jobsite).

**PLEASE NOTE:** most DX cooling coils provided by AbsolutAire, Inc. will have (1) hot gas bypass (HGBP) connection included and piped to the exterior of the "CB" coil box (as standard). If the HGBP kit isn't provided and/or connected to the DX coil (by others), the HGBP shall remain capped and unused.

B) Chilled Water (CW) Cooling Coil (works in conjunction with a chilled water system, BY OTHERS)

**If a "CW" Cooling Coil is required – please advise on the following required items:**

**Fluid Type:**  Water Only (NOTE: if outdoor mounted, must be drained during freezing weather)

Ethylene with \_\_\_\_\_ % Glycol Solution

Propylene with \_\_\_\_\_ % Glycol Solution

**Entering Fluid Temp (EFT):** \_\_\_\_\_ °F (a "typical" EFT used is 45.0°F, but it's defined by the chiller system).

**Leaving Fluid Temp (LFT):** \_\_\_\_\_ °F (a "typical" LFT used is 55.0°F, but it's defined by the chiller system).

Or, if LFT isn't known, fluid flow rate (gallons per minute - GPM), can also be used: \_\_\_\_\_ **GPM.**

**NOTES (list any special requirements, special coil coatings, materials, etc):** \_\_\_\_\_