



CLIMATECARE

Deluxe Ultra-Quiet Air Conditioners

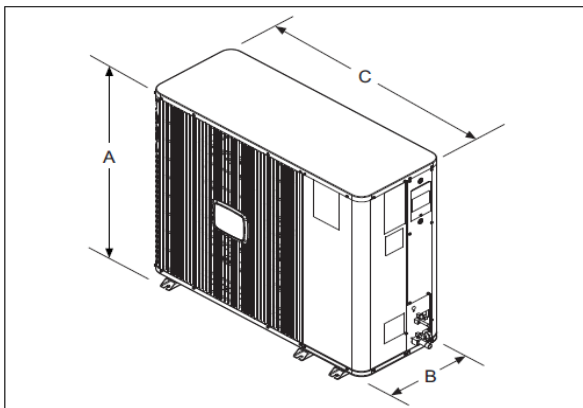
TCHD Features:

- *“Slim-Line” design - Fits where conventional units can’t*
- *Environmentally Friendly R410a Refrigerant - delivers environmentally friendly performance with zero ozone depletion*
- *Commercial Grade Quality – Units can be installed up to 200 feet away*
- *Liquid line filter drier, high/low pressure switches & Accumulator for Compressor protection*
- *Special primer formulas to ensure less fading when exposed to sunlight*
- *Heavy Duty High Grade Wire Coil Guard*
- *Compressor protected with high pressure relief and temperature sensor for added longevity*
- *Solid Core Liquid line filter drier removes any contaminants for added Compressor protection*
- *Swept Wing Fan Design & Compressor blanket for quiet operation*
- *Sound Isolated motor & Rigid Top panel for quieter air flow pattern*
- *Cushioned compressor mounts to dampen vibrations*
- *“MicroChannel” technology for superior efficiency and longer lifetime reliability*
- *Standard 5 year parts warranty, but if registered online within 90 days of purchase upgrades to 10 year total parts warranty.*



Unit Size	Sound Rating (dB)	Aprox. Wgt. (Lbs)	SEER*
1.5 TON	67	130	13.0 – 15.0
2.0 TON	68	135	13.0 – 15.0
2.5 TON	71	195	13.0 – 15.5
3.0 TON	71	215	13.0 – 15.0
4.0 TON	71	240	13.0 – 14.5
5.0 TON	71	250	13.0 – 13.4

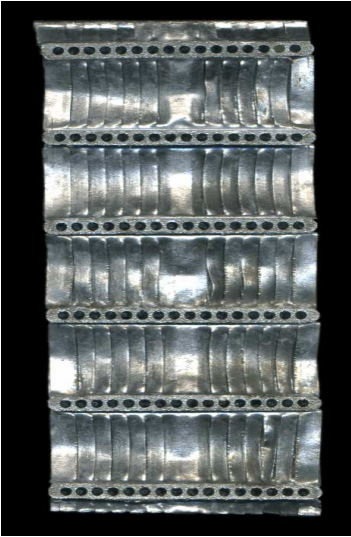
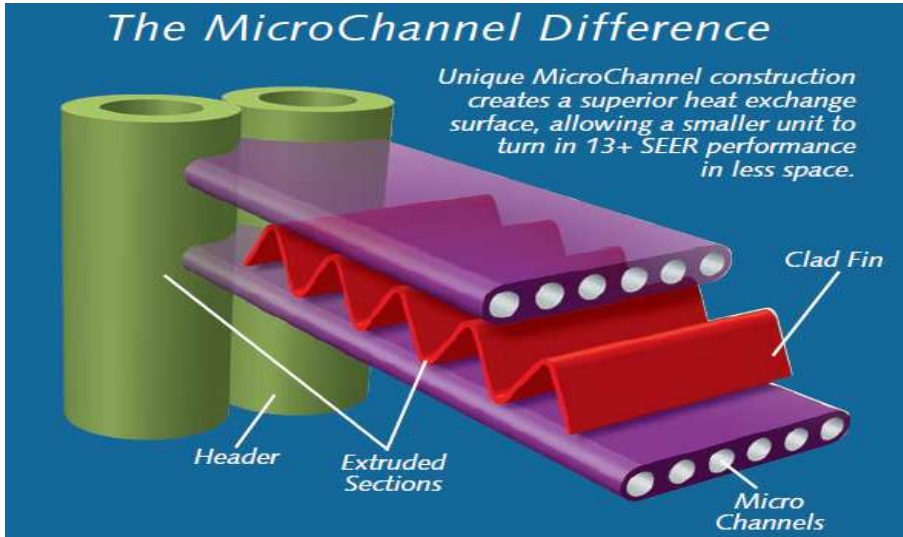
* Efficiency will vary based on indoor and/or coil/air handler/furnace match up. Subject to change without notice.



All dimensions are in inches. They are subject to change without notice. Certified dimensions will be provided upon request.

Unit Model	Dimensions (Inches)			Refrigerant Connection Service Valve Size	
	A ¹	B	C	Liquid	Vapor
18	25-1/8	14-5/8	37	3/8"	3/4"
24	25-1/8	14-5/8	37		
30	37-1/8	17-1/8	44-5/8		
36	37-1/8	17-1/8	44-5/8		
48	43-1/8	17-1/8	44-5/8		
60	43-1/8	17-1/8	44-5/8	7/8"	

1. Including Fan Guard.

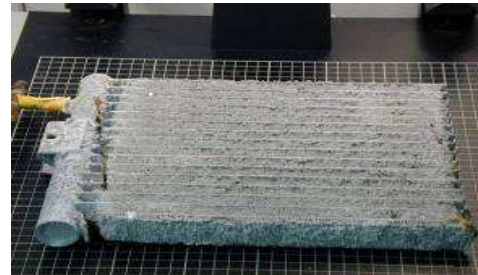


Benefits of Microchannel Technology

1. **Improved Heat Transfer Properties**
 - a. Traditional tube and fin designs use the expansion of copper tubes to join the aluminum fins, possibly resulting in inconsistent joints. Microchannel coils are bonded by brazing the fins directly to the tubes, eliminating the possibility for air gaps and significantly improving heat conduction.
 - b. Microchannel coils segment each tube into 17 micro Circuits as opposed to one large round tube with minor tube enhancements, such as rifling.
2. **Smaller Size & Weight**
 - a. As a result of the improved thermal performance found in the Microchannel coil, size and weight can be significantly reduced.
 - b. This results in a smaller overall product in size and weight and greater flexibility in your home landscaping design.
3. **Reduced Refrigerant Charge**
 - a. Microchannel coil design is so efficient that refrigerant charge is reduced by up to 50% when compared to an equivalent Tube and Fin residential split system design.
 - b. Less Refrigerant Is Better for the Environment. Aids In Environmental Responsibility and Sustainability for today and generations to come.
4. **Improved Durability and Serviceability**
 - a. Durable cast aluminum design provides excellent efficiency and robustness not previously available in traditional aluminum coils designs
 - b. Can clean with medium-pressure water (garden hose with spray nozzle).
5. **Improved Corrosion Protection**
 - a. Conventional copper tube/aluminum fin coils are predisposed to galvanic corrosion (2 dissimilar materials).
 - b. Testing with microchannel coils has resulted in corrosion resistance that is seven times greater than that found in traditional Tube/Fin coils.



Conventional coil 1000 hour Test



Microchannel coil 7000 hour Test