



# Danab Air

*Saving the environment for future generations*



# CHX

# Water Source Heat Pumps



## The Company

Established in Miami, Florida, *Dual Air* specializes in the manufacture of efficient *green technology* for a wide range of residential and commercial heating and cooling products. Our success has been built on a strong reputation of superior quality, value, excellent service, honesty and integrity. Striving for excellence, it commits itself to continuing research and development in *Geothermal* and Water Source Heat Pump technology.

Aiming to be on the forefront of product development and *innovative* design, as well as the optimization of its units' performance, Dual Air designed and manufactured high quality equipment's that are well-engineered, reliable and cost-effective. Today, Dual Air offers several complete lines of Geothermal and water source heat pump products not only meeting customer satisfaction, but even exceeding their expectations.

Our long list of available feature makes them the ideal choice for either new construction or retrofit residential and commercial projects. It is a great benefit in terms of *quality*, *cost* and *efficiency*. Dual Air's team efforts have been focused on providing value to our customers.

## Experience

The engineers at *Dual Air* have many years of experience in the design of Geothermal and Water Source heat pump products and similar applications.

Our sales and marketing department is an extension of our design team. Our remarkable customer service ensures all your questions are answered and that you are satisfied with your every purchase. We are passionate about what we do and a good customer report is our reward.

## Quality and Perfection

Quality and Perfection is the core of our business. While other producers normally utilize Galvalume, Aluminum-zinc alloy cabinets or other materials in their production, Dual Air takes extra consideration and attention to every unit's quality. All our standard products being built mostly from stainless steel cabinet is among its most remarkable feature that sets our equipment's apart from similar products offered.

Also, we have strict quality procedures to be followed during each step of manufacturing process.

# DUAL AIR

# *and* WATER SOURCE GEOTHERMAL HEAT PUMPS

In every project development, design, and engineering, we always ensure there are no loose ends, the system is exactly as designed and expected, and that utmost performance is achieved. Whether you are purchasing standard or custom-designed in Geothermal and Water Source heat pump products, every Dual Air product is built to exact design specifications. Every component and function is tested and is warranted to meet its performance.

Part of our business development strategy is to constantly *leverage* new technologies. Dual Air products are continually developed using the latest technology and quality control testing, giving you the safest and most efficient, eco-friendly equipment's in the market.

## Our Products and the Environment

Faced with today's tough environmental challenges and with *global warming*, we are more committed than ever to develop solutions which utilize sustainable energy sources in order to conserve our planet's non-renewable reserves of fossil fuels. Striving to help create a greener environment, we offer a wide range of eco-friendly heat pumps and constantly adding more to our product list. Our CFX series uses R410A that is chlorine free and non-depleting refrigerant. Such will not only help save money on energy bills but also help reduce carbon dioxide emissions in the atmosphere to help control global warming.

## The Solution

The CFX series are part of a market-leading range of superior efficiency water to air heat pumps from Dual Air. Standard units are available up to 5 tons and custom unit up to 100 tons there are units to meet your every need.

On top of that, Dual Air is dedicated to providing the best possible solution for families and businesses in Florida, across United States and to outside regions. You can count on us to provide you with a system that fits your unique needs. We can meet the expectations of the most demanding projects with our broad based knowledge of our industry. No matter what your Geothermal and Water Source heat pump requirements are, *Dual Air* can deliver a Solution.

**For more information contact us at:**

**Phone:** 305-545-6666

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[www.dualairhp.com](http://www.dualairhp.com)



# SUPERIOR EFFICIENCY

Nominal Ton	WATER LOOP				GROUND WATER			
	Entering Water: Cooling 86°F / Heating 68°F				Entering Water: Cooling 59°F / Heating 50°F			
	BTU/HR Capacity				BTU/HR Capacity			
Model #	Cooling	Heating	EER	COP	Cooling	Heating	EER	COP
CFX024	25,500	27,500	17.0	5.0	27,500	20,500	27.4	4.2
CFX031	31,000	36,000	16.0	4.8	39,000	27,000	26.0	4.1
CFX036	36,000	40,000	16.0	4.8	40,000	32,000	23.5	4.2
CFX041	41,000	47,000	16.0	4.8	47,000	37,500	21.4	4.1
CFX048	51,000	58,000	18.0	5.0	57,000	50,000	27.0	4.3
CFX060	60,000	70,000	16.0	4.5	68,000	58,000	22.0	4.1

Nominal Ton	GROUND LOOP				Flow Rate			Fan
	Entering Brine: Cooling 77°F / Heating 32°F				Air	Water	Motor	
	BTU/HR Capacity				CFM	GPM	HP/QTY	
Model #	Cooling	Heating	EER	COP	CFM	GPM	HP/QTY	
CFX024	25,500	16,500	19.7	3.6	800	6.0	1/3 x 1	
CFX031	31,800	20,000	17.6	3.5	1000	7.5	1/3 x 1	
CFX036	36,500	26,000	17.9	3.6	1,200	9.0	3/4 x 1	
CFX041	44,000	26,500	17.0	3.5	1,400	10.5	3/4 x 1	
CFX048	53,000	39,000	20.0	3.6	1,600	12.0	3/4 x 1	
CFX060	63,000	45,000	17.2	3.5	1,900	15.0	3/4 x 1	

## Standard and Optional features

- High Pressure Cut-out Switch
- Low Pressure Cut-out Switch
- Solid State Lockout Switch
- Cupro-nickel Condensing Coils
- Condensate Overflow Switch
- Insulated Stainless Steel Cabinet
- Insulated Stainless Steel Drain Pan
- Circuit Breakers
- Diagnostics LED
- LPS Bypass Timer
- Intelligent Automatic Reset
- Under/Over Voltage Protection
- Fault Memory Indication
- Anti-short and Random Start Delay
- Test Mode
- Enhanced Humidity Removal Mode
- Freeze Protection
- Insulated Heat Exchanger

*Note:* Due to continuing research and development, specifications are subject to change without notice.

Please contact factory for up-to-date values.

# CFX SERIES