

KlimaAIRE®

DUAL AIR



DUAL AIR Water Source Heatpump

DUAL AIR WATER SOURCE HEAT PUMP UNITS 1-50 TONS

The workmanship and craftsmanship of our Dual Air Water Source Heat Pumps allow us to provide one of the superior products available on the market.

DUAL AIR RESIDENTIAL/COMMERCIAL WATER SOURCE HEAT PUMP SINGLE AND MODULAR UNITS

Suitable for

**Closed loop
Open Loop
Pump & dump
Cooling Tower**

ADVANTAGE

- More efficient
- Remove more humidity
- Constantly clean the environment
- Less indoor pollution
- Compact unit for easy transport and set-up
- Stainless steel cabinet
- Easily accessible electrical panel
- Simple access to components to reduce down time
- 5 Year warranty
- Low maintenance costs

STANDARD FEATURES

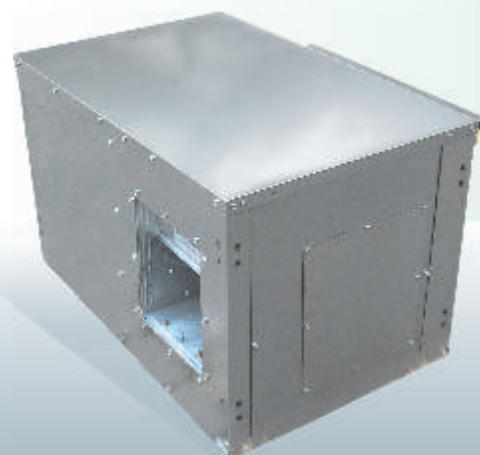
- Insulated Stainless Steel Cabinet
- High Efficiency performance
- Galvanized Blowers & Housing
- Very low maintenance
- Scroll compressor
- R410A
- High pressure switch
- Low pressure switch
- Hi/low pressure ports for gauge
- Thermostatic expansion Valve
- Copper- Nickel Coaxial Coil

OPTIONAL FEATURES

- Hot Water Booster
- Extended Range applications for lower water inlet temperatures
- Freeze Protection



VERTICAL UNIT



HORIZONTAL UNIT



Ground Source, Geo Thermal

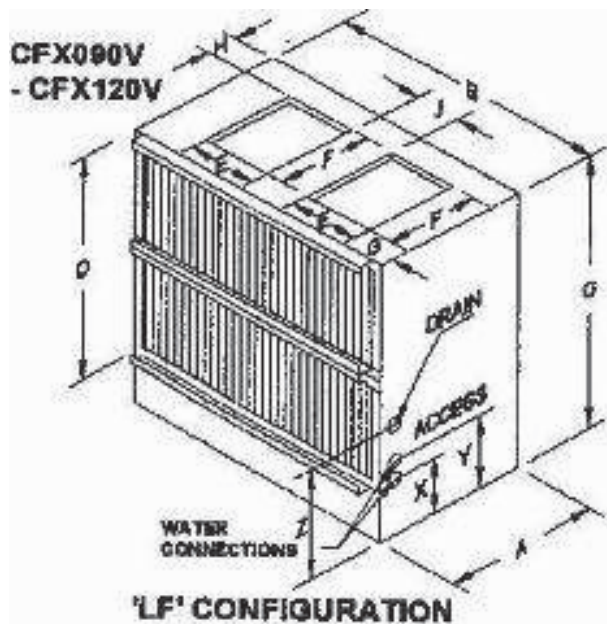
DUAL AIR 7.50-50 TONS

Water Cooled Vertical Modular Units

DIMENSIONAL DRAWING 7.50 & 10 TON

Dimensions (Inches)

A: 28.00	E: 13.00	J: 4.50
B: 38.50	F: 11.25	X: 5.50
C: 59.00	G: 4.00	Y: 8.80
D: 42.00	H: 1.50	Z: 18.75



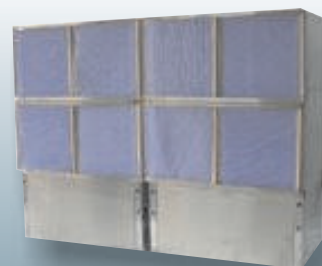
MODULAR SYSTEM

Excellent for zoning system
 Up to 5 units can be coupled together for a total of 50 tons of air conditioning
 Also available in 7.5 ton increment up to 50 tons
 Small footprint
 Easily maneuvered thru a personal door
 Fits in elevator
 All units in system can work at once or as needed with multiple fan coil each with its own thermostat
 Low maintenance
 Perfect for office buildings with small mechanical rooms
 Easily replaces older larger units in apartment or office buildings
 More efficient system keeps utility bills low
 Electro-mechanical controls for ease of maintenance and short down time.
 In case of breakdown any unit can be shut off without affecting whole system
 Simplicity of system make repairs, when necessary, easy.
 Airflow rate adjustable to customer needs
 Multiple supply configuration available
 Filter size available everywhere.
 No special order needed

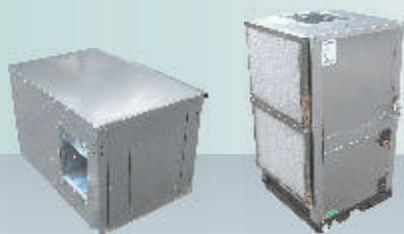
NOTES

Airflow rate/CFM adjustable to customer's needs.
 Drawing for illustration purposes only.
 Specifications subject to change without notice.
 Consult with factory for up-to-date specifications and options available
 Modular units are easy to install and to transport.
 Down time and inconvenience are minimized compared to units of the same size.
 *Heating optional

Multipple units



SPECIFICATIONS



Capacities & specs	7.50 Ton	10 Ton	20Ton	30 Ton	40 Ton	50 Ton
Total cooling capacity btu/hr	90,000	120,000	240,000	360,000	480,000	600,000
Heating capacity btu/hr *	105,000	150,000	300,000	450,000	600,000	750,000
Airflow rate/cfm	*	*	*	*	*	*
Min circuit amps	43	47	94.4	141.6	188.8	236
Breaker size amps	60	60	120	175	225	275
C.o.p.	4.2	4.2	4.2	4.2	4.2	4.2
Eer	12	120	120	120	120	120
Length (inches)	59	59	118	167	236	295

HORIZONTAL TYPE

Model	Approx cooling cap at 45 deg F	Approx Heating Cap BTU/HR	E.E.R.	C.O.P	Air flow rate CFM	Min circ amps	Breaker size amps	Fan Motor HP	FILTER	QTY	Model	Depth	Width	Height	Water In size	Drain size	Water Flow GPM
CFX012H	12000	14300	14.0	4.4	450	6.9	15	1/6	20X14X1	1	012H	19.00	31.00	15.25	3/4"	3/4"	3.00
CFX015H	14000	17800	14.0	4.2	500	8.3	15	1/6	20X14X1	1	015H	19.00	31.00	15.25	3/4"	3/4"	4.00
CFX018H	18000	20600	14.0	4.2	600	9.8	15	1/4	20X14X1	2	018H	19.00	31.00	15.25	3/4"	3/4"	4.50
CFX024H	24000	30000	14.0	4.4	900	11.3	15	1/4	20X20X1	1	024H	21.50	33.50	20.75	3/4"	3/4"	6.00
CFX031H	31000	36000	14.0	4.4	1000	14.0	20	1/2	20X20X1	1	031H	21.50	33.50	20.75	3/4"	3/4"	7.50
CFX036H	34000	42500	13.0	4.3	1200	22.0	35	1/2	20X20X1	1	036H	21.50	33.50	20.75	3/4"	3/4"	9.20
CFX041H	38000	48000	13.0	4.2	1200	26.2	40	1/2	20X20X1	1	041H	21.50	33.50	20.75	3/4"	3/4"	11.00
CFX044H	43000	53000	13.2	4.3	1500	25.7	40	1/2	20X20X1	2	044H	26.00	45.50	21.00	1"	3/4"	11.00
CFX048H	48000	55400	13.6	4.4	1600	28.8	45	3/4	20X20X1	2	048H	26.00	45.50	21.00	1"	3/4"	12.00
CFX054H	51000	63000	13.0	4.3	1700	35.1	50	3/4	20X20X1	2	054H	26.00	45.50	21.00	1"	3/4"	14.00
CFX060H	58000	69800	13.1	4.2	2000	40.7	60	1	20X20X1	2	060H	26.00	45.50	21.00	1"	3/4"	15.00
CFX072H	74000	87000	13.0	4.4	2400	30.6	50	1/2X2	20X20X1	2	072H	36.00	80.00	21.25	1"	1"	18.00
CFX090H	92000	115000	12.6	4.2	2800	34.3	45	3/4X2	20X20X1	4	090H	36.00	80.00	21.25	1-1/2"	1"	22.50
CFX100H	98000	121000	12.2	4.2	3400	38.0	50	3/4X2	20X20X1	4	100H	36.00	80.00	21.25	1-1/2"	1"	25.00
CFX120H	120000	150000	12.0	4.2	4200	47.2	60	1X2	20X20X1	4	120H	36.00	80.00	21.25	1-1/2"	1"	31.00
CFX144H	135000	170000	13.0	4.2	4400	53.6	70	3	20X20X1	4	144H	36.00	80.00	21.25	1-1/2"	1"	35.00

VERTICAL TYPE

Model	Approx cooling cap at 45 deg F	Approx Heating Cap BTU/HR	E.E.R.	C.O.P	Air flow rate CFM	Min circ amps	Breaker size amps	Fan Motor HP	FILTER	QTY	Model	Depth	Width	Height	Water In size	Drain size	Water Flow GPM
CFX012V	12000	14500	14.0	4.8	450	6.9	15	1/6	20X14X1	1	012V	19.00	19.00	30.00	1/2"	3/4"	3.00
CFX015V	14000	18000	14.0	4.2	500	8.3	15	1/6	20X14X1	1	015V	19.00	19.00	30.00	1/2"	3/4"	4.00
CFX018V	18000	20900	14.0	4.2	600	9.8	15	1/4	20X14X1	1	018V	19.00	19.00	30.00	3/4"	3/4"	4.50
CFX024V	24000	30000	14.0	4.4	900	11.3	15	1/4	16X20X1	2	024V	22.00	21.00	36.00	3/4"	3/4"	6.00
CFX031V	31000	36000	14.0	4.4	1000	14.0	20	1/4	16X20X1	2	031V	22.00	21.00	36.00	3/4"	3/4"	7.50
CFX036V	34000	42500	13.0	4.3	1200	22.0	35	1/2	16X20X1	2	036V	22.00	21.00	39.00	3/4"	3/4"	9.20
CFX041V	39300	52000	13.1	4.2	1250	26.2	40	1/2	16X20X1	2	041V	22.00	21.00	39.00	3/4"	3/4"	11.00
CFX044V	44000	53000	13.3	4.2	1500	25.7	40	1/2	20X25X1	2	044V	25.00	26.50	43.00	1"	3/4"	11.00
CFX048V	48200	55400	14.0	4.4	1600	28.8	45	1/2	20X25X1	2	048V	25.00	26.50	43.00	1"	3/4"	12.00
CFX054V	51000	62500	13.0	4.2	1700	35.1	50	3/4	20X25X1	2	054V	25.00	26.50	43.00	1"	3/4"	14.00
CFX060V	58000	69800	13.1	4.2	2000	40.7	60	3/4	20X25X1	2	060V	25.00	26.50	43.00	1"	3/4"	15.00
CFX072V	74000	87000	13.0	4.4	2400	30.6	50	1	20X20X1	2	072V	28.00	38.50	59.00	1"	1"	18.00
CFX090V	83000	106000	13.0	4.2	2600	34.3	45	1/2X2	20X14X1	2	090V	21.50	43.00	39.00	1-1/2"	3/4"	22.00
CFX100V	98000	121000	12.2	4.2	3400	38.0	50	3/4X2	20X20X1	4	100V	28.00	38.50	59.00	1-1/2"	1"	25.00
CFX120V	120000	150000	12.0	4.2	4200	47.2	60	1X2	20X20X1	4	120V	28.00	38.50	59.00	1-1/2"	1"	31.00
CFX144V	135000	170000	13.0	4.2	4400	53.6	70	3	20X20X1	4	144V	28.00	38.50	59.00	1-1/2"	1"	35.00



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