



VariCool EZ-Fit®

Ideal for Renovation and Replacement Projects

Innovative Solutions for Comfortable
Indoor Environments

www.unitedcoolair.com

VariCool EZ-Fit®

The VariCool EZ-Fit® is a self-contained, modular air conditioning system designed for floor-by-floor variable air volume applications. The modular cabinet design along with high efficiency EC fans, variable capacity compressors and BACnet communications make the EZ-Fit® ideal for renovation and replacement projects where it is difficult to move new equipment into existing mechanical rooms and owners desire to lower installation and operating costs.

The modular cabinet ships in multiple sections which easily assemble to form a single unit. The cabinet consists of one or two fan sections, one evaporator section and one condensing section. Single modules are available in 15, 20, 30, 35, 40 and 45 ton sizes. Dual modules combine two singles together for systems as large as 90 tons with single point power and single water connections.

- Self-Contained, Modular Construction
- Variable Air Volume
- Water-Cooled Air Conditioner
- Water Source Heat Pump
- 15 to 45 Ton Single Modules
- 30 to 90 Ton Dual Modules
- DOE Listed on CCMS Website



Thousands of Successful EZ-Fit® Installs since 2006

Total Installed Cost Advantages

Every Unit Ships In 3 or More Sections on Separate Skids

- Eliminates valuable labor to disassemble the unit off-site and re-ship to job site.

Cabinet Sections Fit Through Standard 3' Doorways, Down Tight Hallways and Onto Commercial Elevators

- Eliminates expensive rigging, crane rental and building alterations.

Every Unit Ships with Full Factory R-410A Refrigerant Charge due to Resealable Refrigerant Fittings Between Sections

- Eliminates possibility of exposing refrigeration system to contaminants for better reliability and longer equipment life.
- Eliminates time to evacuate and braze interconnecting refrigerant piping.
- Eliminates hot work permit.
- Eliminates field refrigerant charging.

Complete Factory Run Test Provides Increased System Reliability

- Eliminates field repair of coil or refrigerant line leaks on start-up.
- Maintains factory One Year Limited Parts and Five Year Compressor Warranties with full coverage.

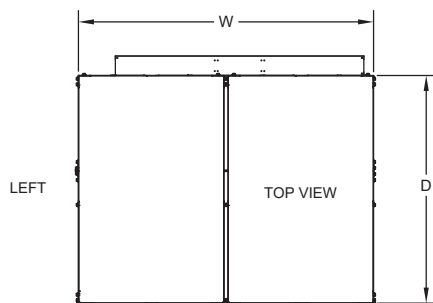
Modular Floor-by Floor Air Conditioning Systems

- Multiple Air Paths: Top, Front or Rear Supply
- ECM Fans
- Variable Capacity Compressor plus Fixed Speed Scroll Compressor, Each Module
- Marvel Premium Microprocessor Controls w/ BACnet
- 1" High Density Elastomeric Foam Insulation
- Lift Off Hinged Access Doors with Tool Operated Latches
- 3D-Intelliclamp Connectors for Easy Alignment of Cabinet Sections
- Interlaced / Draw Through Evap Coil
- Double Sloped Stainless Steel IAQ Drain Pan
- Co-axial Counter Flow Heat Exchangers
- Single Point Power Connection – Left or Right Hand
- Single Water Connection for Single or Dual Module – Left or Right Hand
- Options: iDDP & DWDI Fans w/ Factory Mounted VFD, Waterside Economizer, Airside Economizer Controls, Shell & Tube Condensers, Modulating Hot Gas Reheat, Heat: Electric, Hot Water, or Steam

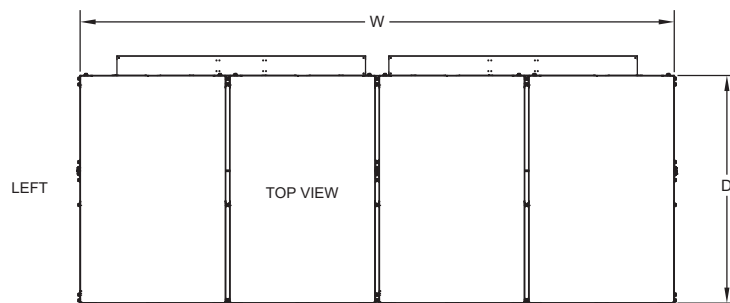


Dimensional Data

SINGLE MODULE



DUAL MODULE



Assembled Unit - Single Module

Nominal Tons				Unit Weight		
	W ¹	D ^{1,2}	H	ECM	iDDP	DWDI
15	55-1/2	49-5/8	88-1/8	1635	1675	1650
20-25	65-1/2	52-1/8	93-1/8	2200	2250	2175
30	70-1/2	58-1/8	105-1/8	3140	3140	N/A
35	77-1/2	60-1/8	105-1/8	3660	3780	N/A
40-45	77	59-1/2	112	4220	4350	N/A

Assembled Unit - Dual Module

Nominal Tons				Unit Weight		
	W ¹	D ^{1,2}	H	ECM	iDDP	DWDI
30	110-1/2	49-5/8	88-1/8	3270	3350	3300
40-50	130-1/2	52-1/8	93-1/8	4400	4500	4350
60	140-1/2	58-1/8	105-1/8	6280	6280	N/A
70	154-1/2	60-1/8	105-1/8	7320	7560	N/A
80-90	154	59-1/2	112	8440	8700	N/A

Cabinet Sections - Single Module

Nominal Tons	Condensing Section					Evaporator Section					Fan Section (Each)				
	Qty	W ¹	D ¹	H	Wgt	Qty	W ¹	D ^{1,2}	H	Wgt	Qty	W ¹	D ¹	H	Wgt ³
15	1	55-1/2	32-1/4	56	800	1	55-1/2	17-1/4	56	375	1	55-1/2	49-5/8	32	460
20-25	1	65-1/2	34-3/4	59	1075	1	65-1/2	17-1/4	59	525	1	65-1/2	52-1/8	34	600
30	1	70-1/2	34-3/4	71	1340	1	70-1/2	23-1/4	71	1000	2	35-1/4	58-1/8	34	400
35	1	77-1/2	34-3/4	71	1570	1	77-1/2	25-1/4	71	1170	2	38-3/4	60-1/8	34	460
40-45	1	77	34-1/2	78	1850	1	77	25	78	1450	2	38-1/2	59-1/2	34	460

Cabinet Sections - Dual Module

Nominal Tons	Condensing Section (Each)					Evaporator Section (Each)					Fan Section (Each)				
	Qty	W ¹	D ¹	H	Wgt	Qty	W ¹	D ^{1,2}	H	Wgt	Qty	W ¹	D ¹	H	Wgt ³
30	2	55-1/2	32-1/4	56	800	2	55-1/2	17-1/4	56	375	2	55-1/2	49-5/8	32	460
40-50	2	65-1/2	34-3/4	59	1075	2	65-1/2	17-1/4	59	525	2	65-1/2	52-1/8	34	600
60	2	70-1/2	34-3/4	71	1340	2	70-1/2	23-1/4	71	1000	4	35-1/4	58-1/8	34	400
70	2	77-1/2	34-3/4	71	1570	2	77-1/2	25-1/4	71	1170	4	38-3/4	60-1/8	34	460
80-90	2	77	34-1/2	78	1850	2	77	25	78	1450	4	38-1/2	59-1/2	34	460

1. Dimension (in.) includes hardware.

2. Dimension (in.) does not include depth of removeable Filter Rack. Filter rack depth is 5 - 24 inches, based on combination of options installed (2" and/or 4" filters plus aux. coil or elec. heat).

3. Weight (lbs) with ECM Fans.

NOTE: Alternate Narrow cabinet is available.

We're on a Mission to Make the World Safer, Healthier,
and More Productive through our Innovative Products



EZ-Fit® is a registered trademark of United CoolAir.

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