



FAN COIL UNITS

FCU





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About ICE AIR

ICE AIR has over 40 years of industry experience in developing and manufacturing a wide variety of HVAC units to provide superior new construction heating and cooling systems and to replace old installations. ICE AIR offers advanced Green technologies, and provides world-class comfort at high efficiency levels, meeting environmental standards and promoting a healthy environment.

OVERVIEW

ICE AIR's Fan Coil Units (FCUs) are a simple and easy cooling and heating solution that fits – providing reliable performance, high efficiency, ease of operation, low cost, easy installation, quiet comfort and a variety of customized options. They provide superior whisper quiet, energy efficient performance.

FCUs are guaranteed to lower your installation and operating costs on your next new construction, retrofit or renovation project. And, they are available in a variety of configurations to offer heating, cooling or both to a variety of spaces. Our FCUs can be installed in the ceiling (Horizontal Concealed and Horizontal Concealed–Ultra Thin), exist as freestanding cabinet units (Vertical Exposed), mounted inside walls (Vertical Concealed), or furred into walls (Hi Rise).

Our versatile FCUs are ideal for high-volume users like:

- **Residential buildings**
- **Hotels/Motels**
- **Medical facilities**
- **Office buildings & more**

INDUSTRY BEST SOUND LEVELS



ICE AIR's commercial grade units utilize the highest quality materials and manufacturing practices in order to provide years of whisper quiet and cost-effective operation. Top grade thermal and sound insulation and right-sized air handling components provide low sound levels while achieving optimum comfort.

HIGH LEVELS OF ENERGY EFFICIENCY



ICE AIR manufactures high efficiency FCUs with optional ECM motors. As a member of the USGBC (Green Building Council), we are committed to delivering highly efficient comfort conditioning equipment that provides multiple benefits to our customers – including lower operating costs, enhanced LEEDs points and a healthy environment.



PROJECT SUPPORT



Throughout the entire new construction or retrofit planning and building process, **ICE AIR's** project management team is with you along the way. Our expertise is in finding the right solutions for heating and cooling systems for each specific project that will be cost-effective, easy to install and provide a lifetime of efficient service.

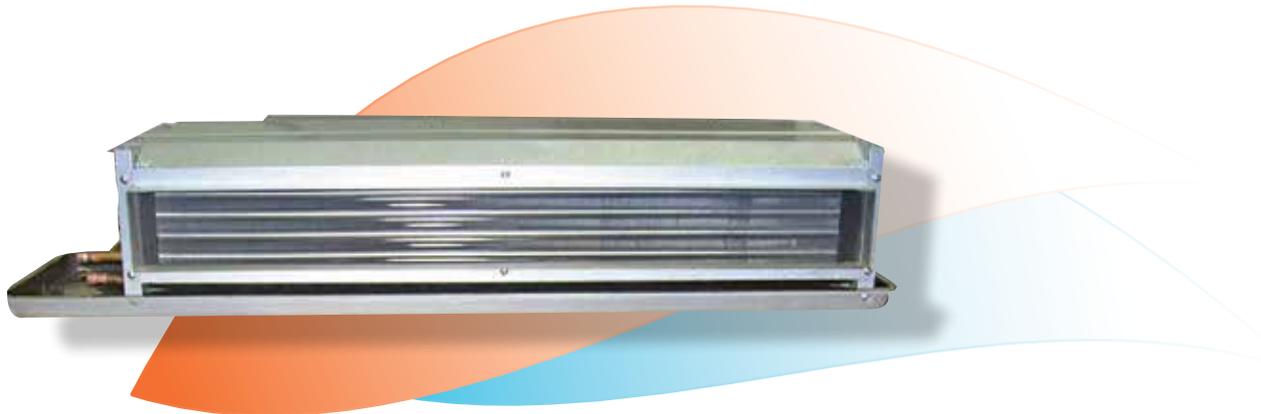
CODE & STANDARD COMPLIANCE



ICE AIR is committed to producing only the highest quality products that meet all UL standards and conform to ASHRAE 90.1, local building codes and energy standards. All of our products are ETL-listed for safety in the U.S. and Canada.



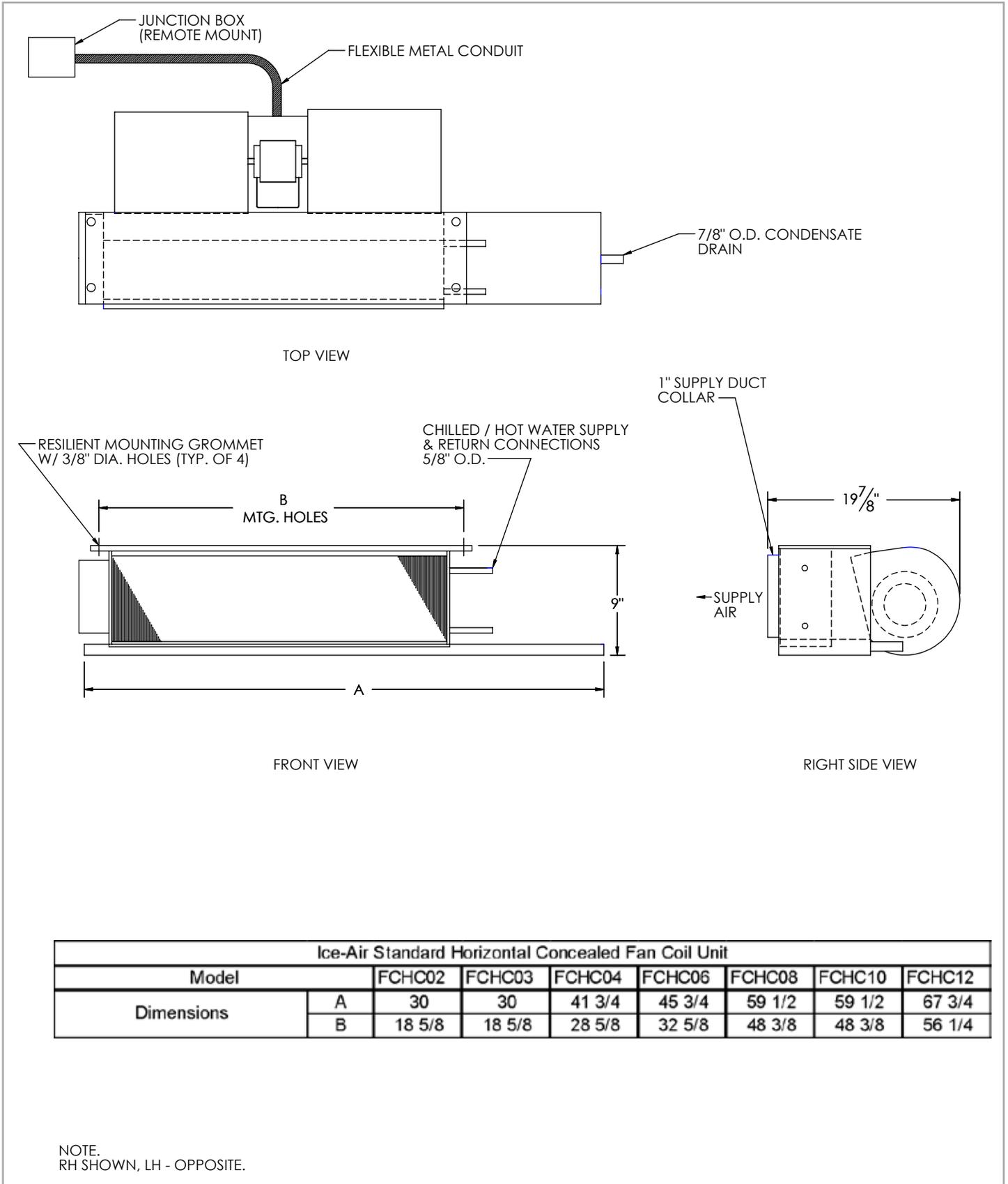
HORIZONTAL CONCEALED



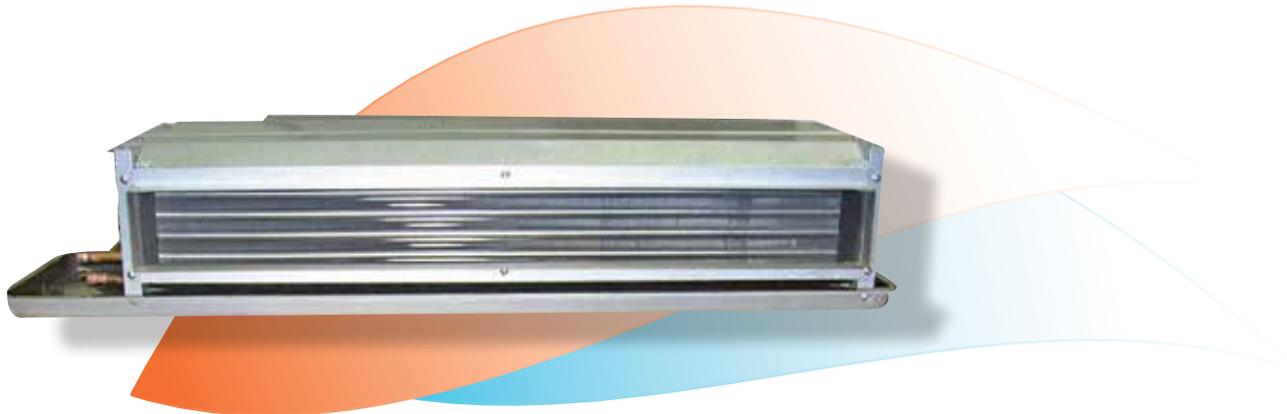
MODEL		5FCHC02	5FCHC03	5FCHC04	5FCHC06	5FCHC08	5FCHC10	5FCHC12
Air Flow (CFM)	High	180	260	400	580	870	920	1160
	Med	130	200	270	460	710	770	940
	Low	100	160	220	330	550	600	640
Cooling Capacity (BTU)	High	4900	7000	11900	15300	23400	25400	29300
	Med	4400	6400	9800	13600	22000	23200	26600
	Low	3900	5700	8500	11700	19500	21300	21500
Heating Capacity (BTU)	High	8300	11600	19600	26700	38500	41300	53100
	Med	7100	9900	15000	22800	34400	36000	45500
	Low	6100	8200	12200	17700	29800	31600	35600
Dimension	Width	30"	30"	41-3/4"	45-1/4"	59-1/2"	59-1/2"	67-3/4"
	Height	9"	9"	9"	9"	9"	9"	9"
	Depth	19-1/2"	19-1/2"	19-1/2"	19-1/2"	19-1/2"	19-1/2"	19-1/2"
Fan	Type	Double Inlet Forward Curve						
	Number	1	2	2	2	3	4	4

Motor	Voltage/Hz	115V/60Hz
Coil	Type	Aluminum Fin and Copper Tube
Piping Connection	Inlet/Outlet	1/2"
	Condensate	5/8"
Cooling		80°F DB, 67°F WB, 45°F Entering Water, 10° Temperature differential
Heating		70°F DB, 180°F Entering Water

EXPLODED VIEW



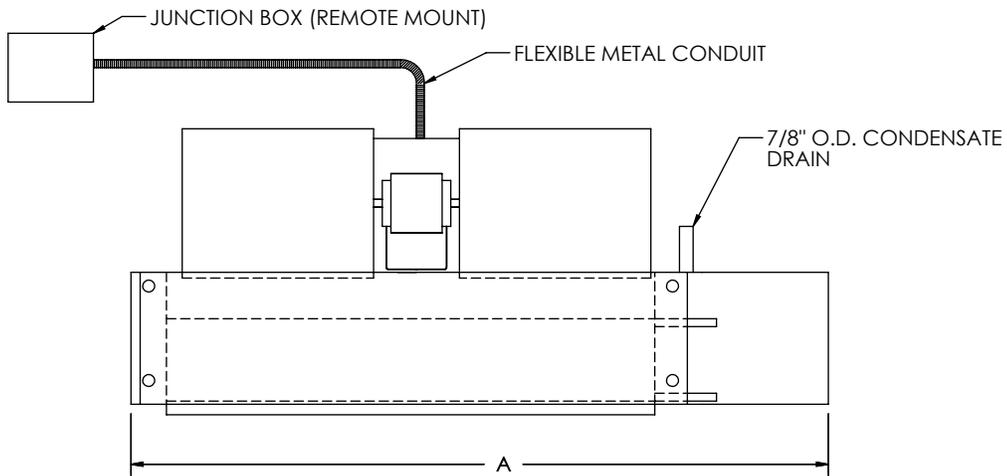
HORIZONTAL ULTRA THIN



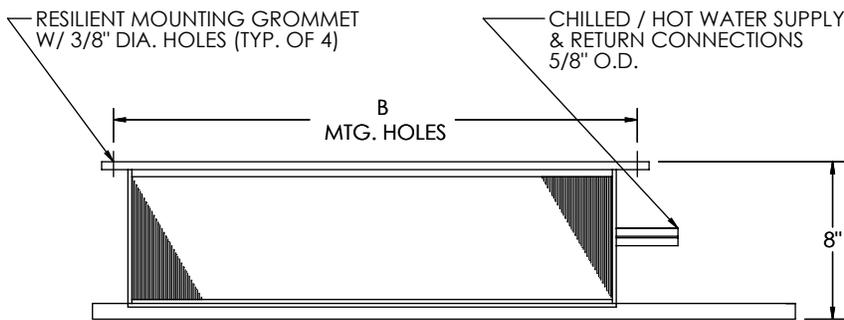
MODEL		5FCHU02	5FCHU03	5FCHU04	5FCHU06
Air Flow (CFM)	High	180	250	390	500
	Med	130	200	290	360
	Low	100	150	230	280
Cooling Capacity (BTU)	High	4900	6900	12000	15300
	Med	4400	6200	10700	14000
	Low	3900	5600	9700	12700
Heating Capacity (BTU)	High	8300	11400	19600	24900
	Med	7100	9800	15000	21500
	Low	6100	8400	12200	17700
Dimension	Width	30"	30"	41-3/4"	45-1/4"
	Height	8"	8"	8"	8"
	Depth	18-5/8"	18-5/8"	18-5/8"	18-5/8"

Fan	Type Number	Double Inlet Forward Curve			
		1	2	2	2
Motor	Voltage/HZ	115V/60Hz			
Coil	Type	Aluminum Fin and Copper Tube			
Piping Connection	Inlet/Outlet Condensate	1/2"			
		5/8"			
Cooling		80°F DB, 45°F Entering Water, 10°F Temperature differential			
Heating		70°F DB, 180°F Entering Water			

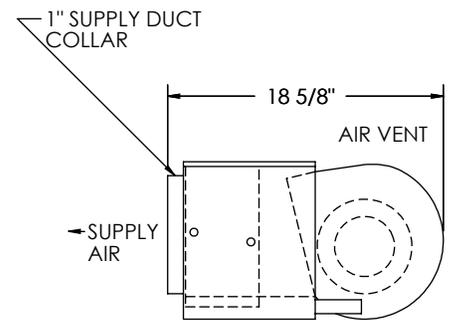
EXPLODED VIEW



TOP VIEW



FRONT VIEW

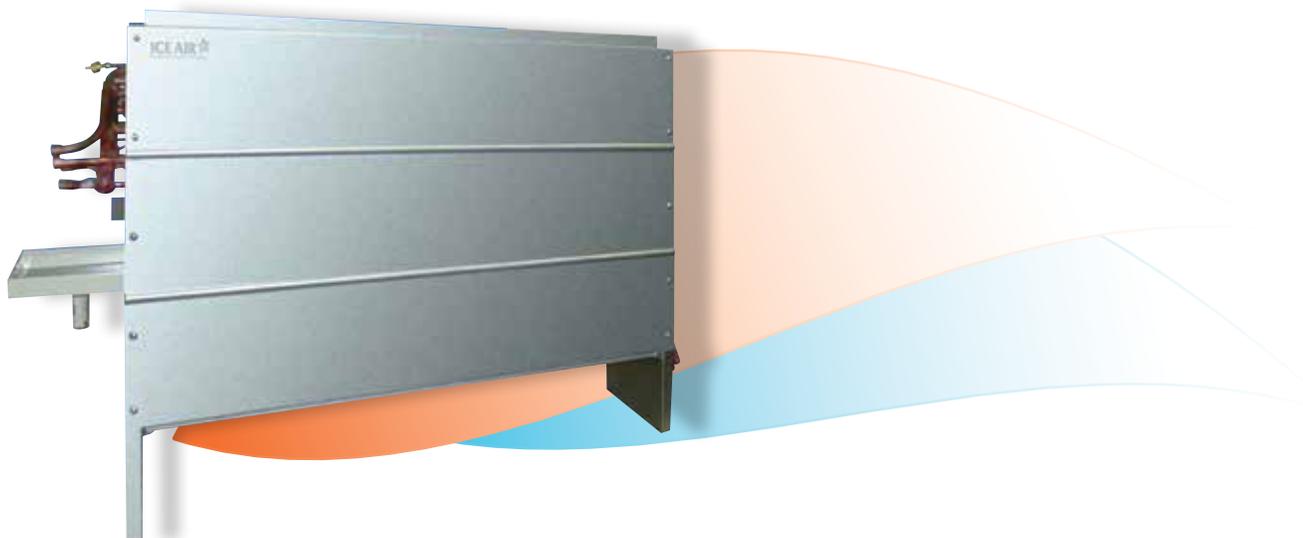


RIGHT SIDE VIEW

Ice-Air Ultra Thin Type Horizontal Concealed Fan Coil Unit					
Model		FCHCU02	FCHCU03	FCHCU04	FCHCU06
Dimensions	A	30	30	41 3/4	45 3/4
	B	18 3/4	22	33 3/4	36 1/8

NOTE.
RH SHOWN, LH - OPPOSITE.

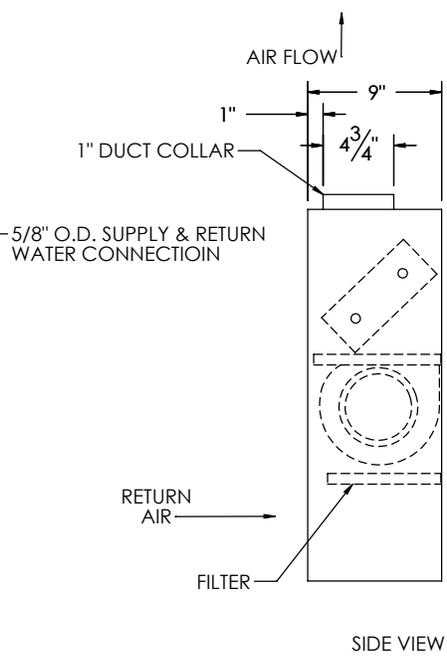
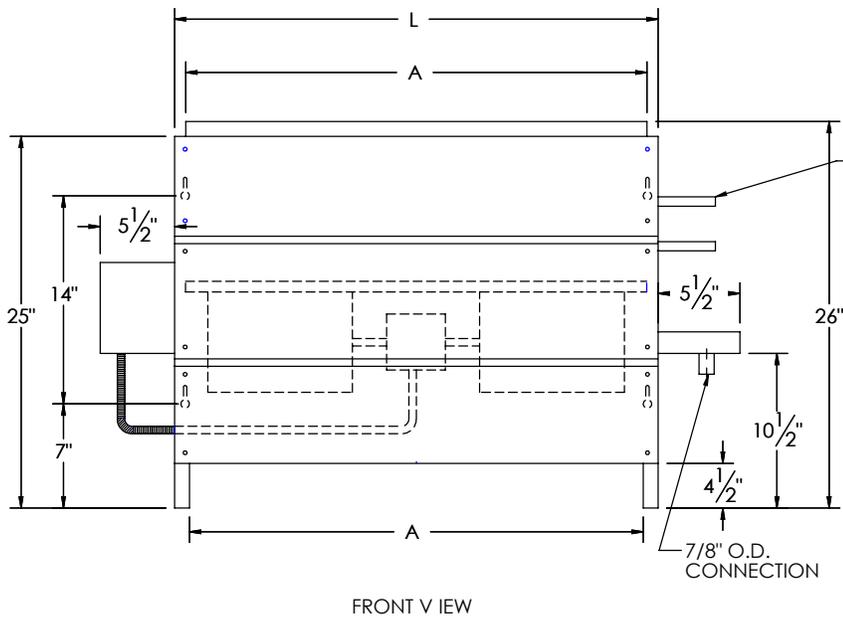
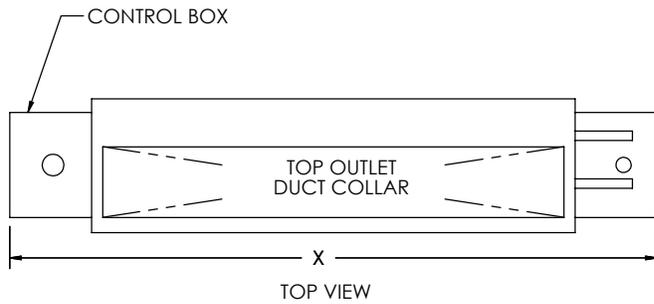
VERTICAL CONCEALED



MODEL		5FCVC02	5FCVC03	5FCVC04	5FCVC06	5FCVC08	5FCVC10	5FCVC12
Air Flow (CFM)	High	180	260	400	580	870	920	1160
	Med	130	200	270	460	710	770	940
	Low	100	160	220	330	550	600	640
Cooling Capacity (BTU)	High	4900	7000	11900	15300	23400	25400	29300
	Med	4400	6400	9800	13600	22000	23200	26600
	Low	3900	5700	8500	11700	19500	21300	21500
Heating Capacity (BTU)	High	8300	11600	19600	26700	38500	41300	53100
	Med	7100	9900	15000	22800	34400	36000	45500
	Low	6100	8200	12200	17700	29800	31600	35600
Dimension	Width	25-1/2"	25-1/2"	33-1/4"	37-1/4"	48-3/4"	48-3/4"	60-3/4"
	Height	25"	25"	25"	25"	25"	25"	25"
	Depth	9-1/4"	9-1/4"	9-1/4"	9-1/4"	9-1/4"	9-1/4"	9-1/4"
Fan	Type	Double Inlet Forward Curve						
	Number	1	2	2	2	3	4	4

Motor	Voltage/Hz	115V/60Hz
Coil	Type	Aluminum Fin and Copper Tube
Piping Connection	Inlet/Outlet Condensate	1/2" 5/8"
Cooling		80°F DB, 67°F WB, 45°F Entering Water, 10° Temperature differential
Heating		70°F DB, 180°F Entering Water

EXPLODED VIEW



Ice-Air Vertical Concealed Fan Coil Unit								
Model	FCVC02	FCVC03	FCVC04	FCVC06	FCVC08	FCVC10	FCVC12	
Dimensions	L	22	25	33	42	44	58	66
	A	20 3/4	23 3/4	31 3/4	40 3/4	42 3/4	56 3/4	64 3/4

- NOTES.
1. COIL CONNECTIONS ARE ALWAYS ON THE SIDE OPPOSITE THE CONTROL BOX.
 2. ALL DUCT COLLAR DIMENSIONS ARE TO THE OUTSIDE OF THE COLLAR.
 3. COIL CONNECTIONS ARE 5/8" O.D. SWEAT.
 4. RH SHOWN, LH OPPOSITE.

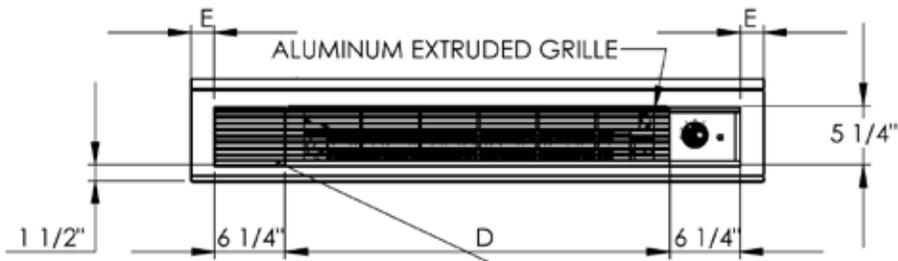
VERTICAL EXPOSED



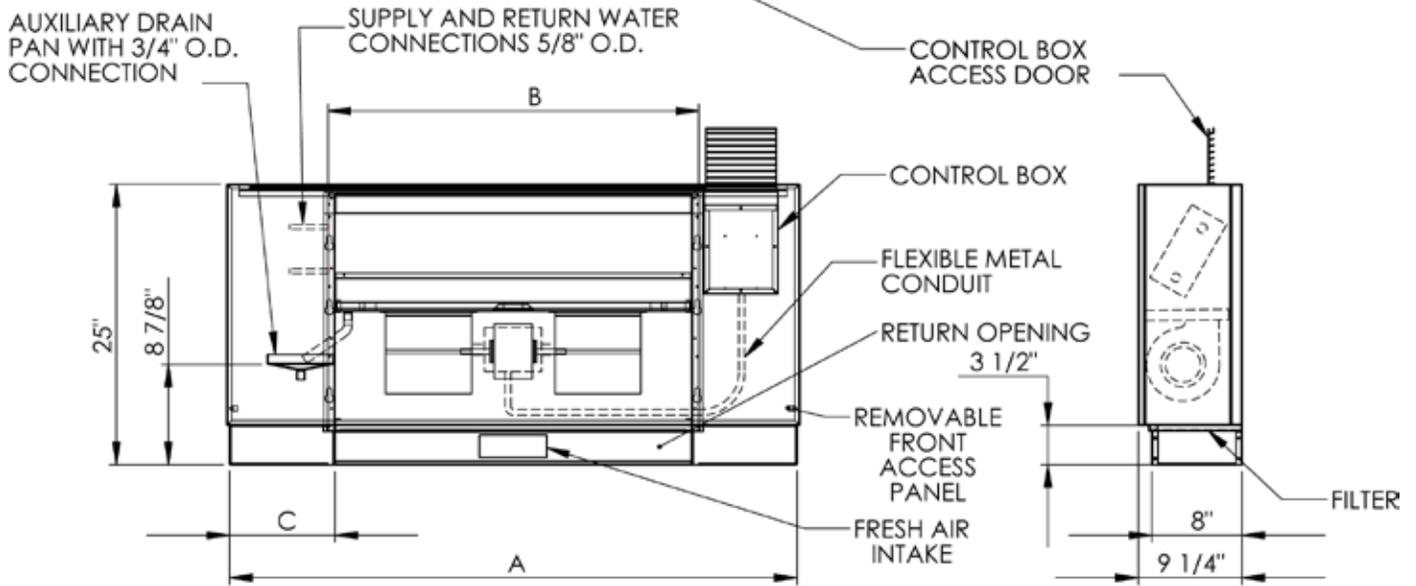
MODEL		5FCVE02	5FCVE03	5FCVE04	5FCVE06	5FCVE08	5FCVE10	5FCVE12
Air Flow (CFM)	High	180	260	400	580	870	920	1160
	Med	130	200	270	460	710	770	940
	Low	100	160	220	330	550	600	640
Cooling Capacity (BTU)	High	4900	7000	11900	15300	23400	25400	29300
	Med	4400	6400	9800	13600	22000	23200	26600
	Low	3900	5700	8500	11700	19500	21300	21500
Heating Capacity (BTU)	High	8300	11600	19600	26700	38500	41300	53100
	Med	7100	9900	15000	22800	34400	36000	45500
	Low	6100	8200	12200	17700	29800	31600	35600
Dimension	Width	41"	45"	51"	61"	63"	77"	85"
	Height	25"	25"	25"	25"	25"	25"	25"
	Depth	9-1/4"	9-1/4"	9-1/4"	9-1/4"	9-1/4"	9-1/4"	9-1/4"
Fan	Type	Double Inlet Forward Curve						
	Number	1	2	2	2	3	4	4

Motor	Voltage/Hz	115V/60Hz
Coil	Type	Aluminum Fin and Copper Tube
Piping Connection	Inlet/Outlet	1/2"
	Condensate	5/8"
Cooling		80°F DB, 67°F WB, 45°F Entering Water, 10° Temperature differential
Heating		70°F DB, 180°F Entering Water

EXPLODED VIEW



TOP VIEW



FRONT VIEW

RIGHT SIDE VIEW

Ice-Air Vertical Exposed Fan Coil Unit								
Model	FCVE02	FCVE03	FCVE04	FCVE06	FCVE08	FCVE10	FCVE12	
Dimension	A	41	45	51	61	63	77	85
	B	22	25	33	42	44	58	66
	C	10	10 1/2	9 1/2	10	10	10	10
	D	23 1/4	26 1/4	34 1/4	43 1/4	45 1/4	59 1/4	67 1/4
	E	2 1/2	3	2	2 1/2	2 1/2	2 1/2	2 1/2

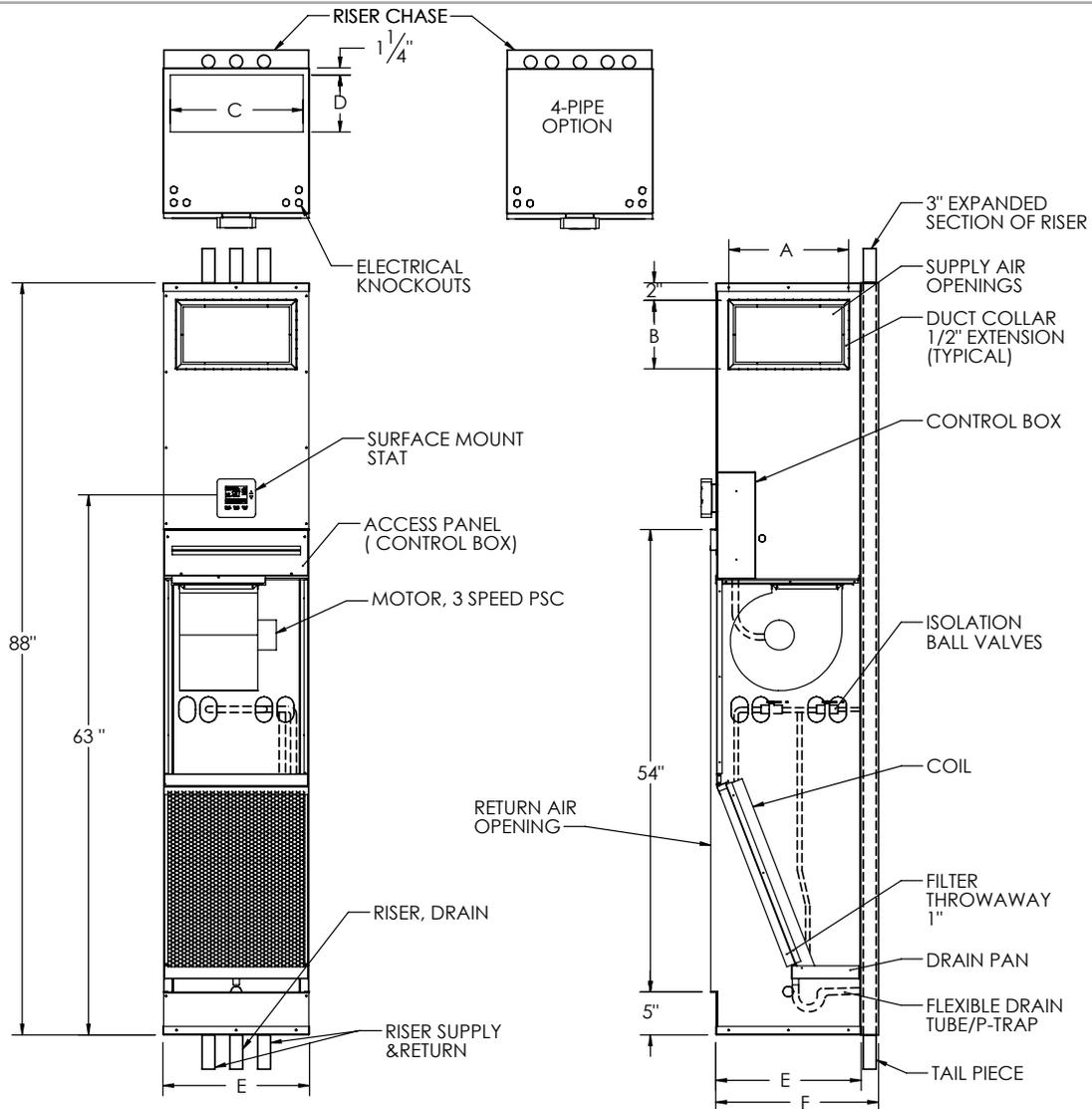
NOTE.
LH SHOWN, RH OPPOSITE.



MODEL		5FCHR03	5FCHR04	5FCHR06	5FCHR08	5FCHR10	5FCHR12
Air Flow (CFM)	High	440	510	710	840	1130	1260
	Med	300	410	570	650	960	1200
	Low	260	300	490	580	640	750
Cooling Capacity (BTU)	High	11500	13800	22000	27800	37800	43000
	Med	10300	12500	19700	25000	34300	39000
	Low	8800	10600	16500	21300	29100	33000
Heating Capacity (BTU)	High	18900	22700	36300	45800	62300	70900
	Med	16400	19500	31400	38400	54100	61600
	Low	13500	16200	25800	32600	44500	50500
Dimension	Width	17"	17"	20"	20"	24"	24"
	Height	88"	88"	88"	88"	88"	88"
	Depth	17"	17"	20"	20"	24"	24"

Fan	Type Number	Forward curve — 1 pc
Motor	Voltage/HZ	115V/60Hz
Coil	Type	Aluminum Fin and Copper Tube
Piping Connection	Inlet/Outlet	1/2"
	Condensate	5/8"

EXPLODED VIEW



Ice-Air Hi Rise Fan Coil Unit								
Unit Size	Single Supply		Double Supply		Top Supply		Dimensions (in)	
	A	B	A	B	C	D	E	F
FCHR 03	14	8	14	6	14	10	17	22 3/8
FCHR 04	14	12	14	6	14	10	17	22 3/8
FCHR 06	18	10	18	6	16	12	20	25 3/8
FCHR 08	18	12	18	6	16	12	20	25 3/8
FCHR 10	-	-	22	8	18	16	24	29 3/8
FCHR 12	-	-	22	8	18	16	24	29 3/8

NOTES:

1. All risers are insulated with 1/2" closed cell insulation - optional.
2. Risers are factory piped to coil with valves as specified.
3. Maximum riser size is 3" diameter. If larger sizes are required, please consult the factory.
4. Units are fabricated of galvanized steel with a 12 gauge galvanized fan deck.
5. Thermostats shipped loose for field connection.
6. Blower, motor, valves, coil and filter are accessible through the return air opening.
7. Unit and control box are insulated with 1/2" coated glass-fiber insulation.
8. Expansion loops in hot water heating circuits as required.
9. Dimensions are in inches.

CONTROL OPTIONS

ICE AIR's controls are designed for ease of use and efficiency. Unit-mounted controls are standard (accessed through an attractive brushed aluminum control door). Optional wall mounted remote controls are available for all of our FCUs.

Features:

- Hard-wired with selectable Fahrenheit/Celsius read-out with accuracy of +/-1°F
- Temperature set point range is 51°-91°F (10.6°-32.7°C)
- Large, clear backlit display that is easy to read in various lighting conditions

Standard Manual Controls



Standard Digital Touchpad



7 Day Programmable



ASK ABOUT:

MADE2MEASURE

Introducing ICE AIR's Made2Measure custom HVAC equipment. In addition to our standard lines of PTACs, WSHPs and FCUs, we will customize our units and accessories to meet specialized requirements.

PACKAGED TERMINAL
AIR CONDITIONERS (PTAC)



FAN COIL UNITS (FCU)



WATER SOURCE HEAT PUMPS
(WSHP)



HOW CAN WE WORK WITH YOU?

Put your next replacement/retrofit project into the hands of the HVAC equipment specialists at ICE AIR!

Looking for "World Class Comfort™"? **ICE AIR** delivers breakthrough products, service and savings. We guarantee that we will deliver a winning program of product excellence, unbeatable savings, industry-leading services and superior know-how on your next project.

Ever since our inception, we have been dedicated to maintaining superior performance, quality manufacturing and customer value. With 40 years of project management experience, you can trust our adherence to demanding architectural and engineering requirements. Plus, with our strong focus on high quality, technology and efficiency, we will exceed your expectations for reliability and product value. And, with **ICE AIR**, on-time delivery and cost savings are built into every order!

Call ICE AIR today at 877-ICE-AIR-1 (877-423-2471) or email us at sales@ice-air.com.

CALL OR EMAIL US FOR A CATALOG



Or, visit www.ice-air.com to learn more!



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