

R-410A



DFCH Series

DUCTLESS FAN COIL

1.5 - 2.5 Tons **Cooling or Heat Pump**

Up To 5kW Electric Heat



(Shown with optional floor base)



(Shown in horizontal position)

The DFCH series ductless fan coils solve almost any heating and cooling need quietly and efficiently. They require no ductwork or windows and are compatible with all major brands of split system heat pumps and condensing units. These fan coils install easily on the ceiling or wall, are simple to operate, extremely easy to service, and offer outstanding comfort. All models include factory installed R-410A TXV's. (For R-22 models, contact the factory)

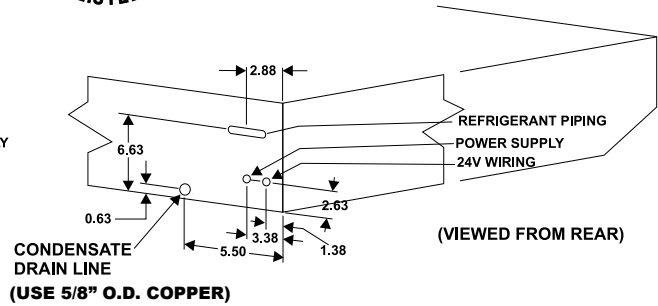
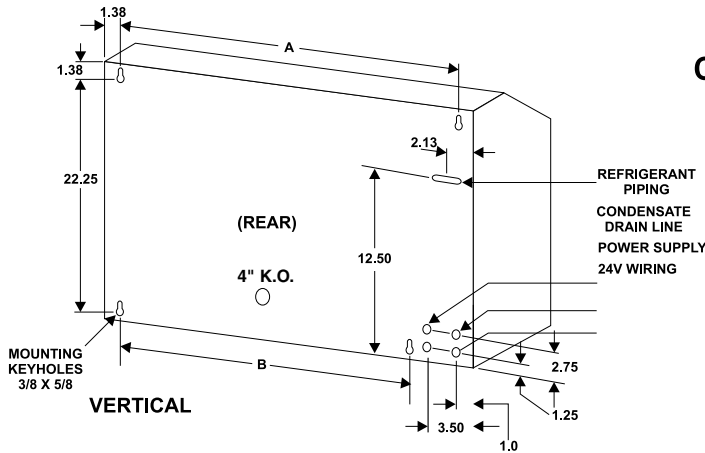
(1) First Co's customer is ultimately responsible for confirming which fan coil models are compatible with selected outdoor unit(s). To determine certified indoor/outdoor matches, go to www.firstco.com or contact the factory.

Standard Features -

- **Competitive cost**
- **Made in the U.S.A.**
- **Compatible with most split system outdoor heat pumps and split condensing units.**
- **120V-60Hz and 208-240V-60Hz** models available, each with 24V control (thermostat not provided)
- **3-speed motor** - Single speed operation
- **Dual drain pan**, insulated and coated for corrosion protection, allows horizontal or vertical installation without modifications
- **Permanent, washable filter**
- Adjustable **4-way air deflection grilles**
- High efficiency **copper tube / aluminum fin coil**
- Factory installed **R-410A heat pump expansion valve** (non-bleed type) (for R-22 models, contact the factory) (external equalizing, internal bleed)
- Galvanized steel cabinet with attractive, baked-on **light gray finish**
- 4" knockout in rear of cabinet for **fresh air intake**
- Blower assembly slides out for **easy service**
- **Optional floor base** (field installed)
- **Factory installed electric heat up to 5kW**

DFCH Series

HEAT PUMP or DX



In keeping with its policy of continuous progress and product improvement, First Co. reserves the right to make changes without notice. Maintenance for all First Co. products is available under "Product Maintenance" at www.firstco.com.

OPTIONAL FLOOR BASE	
PART NUMBER	FITS UNITS
927-1	18DFCH
927-2	24, 30DFCH

NOTE:
Base is approx. 3-1/2 inches high and is **not** required for installation.

PHYSICAL DIMENSIONS								
UNIT MODEL	DIMENSIONS					APPOX. SHIP. WT.	REFRIG. PIPING (1)	
	H	W	D	A	B		LIQUID	SUCTION
18DFCH	25	34	10	31-1/4	26-1/8	90	3/8 O.D.	5/8 O.D.
24DFCH	25	46	10	43-1/4	38-1/8	115	3/8 O.D.	3/4 O.D.
30DFCH	25	46	10	43-1/4	38-1/8	125	3/8 O.D.	3/4 O.D.

BLOWER DATA				
UNIT MODEL	NOMINAL CFM (1)(2)			MOTOR HP
	HIGH	MED.	LOW	
18DFCH	600	500	400	1/10
24DFCH	800	675	550	1/6
30DFCH	950	800	650	1/4

NOTES:

- (1) Liquid and suction lines have sweat type fittings.
- (2) Filter is high efficiency type, metal and is permanent (washable).
- (3) H, W and D dimensions are with unit in vertical position.

- (1) CFM is "nominal" and will vary only slightly with different voltages.
- (2) All models are factory wired for High-Med operation and can be field-converted to Med-Low speeds by changing only one wire plug. The motor will operate on the higher of the two speeds for both cooling and heat pump operation.

PERFORMANCE DATA													
UNIT MODEL	NOM. COOLING	ELECT. HEAT CAPACITY kW			TOTAL AMPS			MIN. CIRCUIT AMPACITY			MAX. FUSE OR HACR BREAKER		
		60Hz			60Hz			60Hz			60Hz		
		120V	208V	240V	120V	208V	240V	120V	208V	240V	120V	208V	240V
18DFCH0.0-126	12,000 / 18,000	0	---	---	1.6	---	---	---	---	---	---	---	---
18DFCH2.5-126		2.5	---	---	23	---	---	28	---	---	30	---	---
18DFCH0.0-246		---	0	0	---	---	---	1.1	---	---	---	---	---
18DFCH2.5-246		---	1.88	2.5	---	10	12	---	13	14	---	15	15
24DFCH0.0-126	24,000 / 18,000	0	---	---	2.1	---	---	---	---	---	---	---	---
24DFCH2.5-126		2.5	---	---	23	---	---	30	---	---	30	---	---
24DFCH0.0-246		---	0	0	---	---	---	1.0	---	---	---	---	---
24DFCH2.5-246		---	1.88	2.5	---	10	12	---	13	15	---	15	15
24DFCH5.0-246		---	3.75	5.0	---	19	22	---	24	25	---	25	30
30DFCH0.0-126	30,000 / 24,000	0	---	---	3.3	---	---	---	---	---	---	---	---
30DFCH2.5-126		2.5	---	---	24	---	---	30	---	---	30	---	---
30DFCH0.0-246		---	0	0	---	---	---	1.7	---	---	---	---	---
30DFCH2.5-246		---	1.88	2.5	---	11	13	---	14	16	---	15	15
30DFCH5.0-246		---	3.75	5.0	---	20	23	---	25	29	---	25	30

NOTE: Field installed electric heat kits are not available for these models.

MODEL NUMBER EXAMPLE: 24DFCH5.0-246 R410 TXV

Catalog No. DFCH613 (Replaces No. DFCH1009)