First Co.®

PRODUCT CATALOG

Residential / Packaged Units











FL117

Welcome . . . . ..

Thank you for your interest in First Co. and its products.

This catalog includes basic information for all of our products.

Additional information is available at www.firstco.com, where you can also:

1. Check the status of an order
2. Use the “parts identifier” to find a replacement part
3. View product maintenance requirements
4. Download the most current product specifications

The web site is updated continuously and is accessible at all times.

- Contact us

You may contact First Co. by:
Phone…… 214-388-5751
Fax…… 214-388-2255
e-mail…… sales@firstco.com

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SPXA (cooling with electric heat)
SPXA-HP (heat pump)
SPXA-HW (cooling with hot water heat)

Single Package Vertical Units
Upflow Thru-the-Wall



"Rear Install" shown

Features:
* Completely self contained
* Ductable to multiple rooms
* Wall sleeve for quick, easy installation
* Completely prewired
* Solid state circuit board with:
  - Evap. coil low temperature protection
  - Low ambient lockout
  - Random restart after power outage
  - Fan delay for improved efficiency
  - Front desk control compatible
* Electrical disconnect
* Adjustable fresh air damper
* Custom painted architectural louvers
* Easy access filter
* Super quiet operation

Options:
* Full-length wall panels (eliminates closet door)
* Wall mounted low voltage thermostats
* Rear or side install wall sleeves
* **New hurricane wall sleeve and architectural louver**
* **Pump module for water heater applications (-HW)**

	UNIT MODEL	NOM. CLG. (TONS)	HEAT (KW OR BTUH)	DIMENSIONS			EST. SHIP. WT.
				H	W	D	
COOLING WITH ELECTRIC HEAT	9SPXA 2,3,4	3/4	2, 3, 4	66	20	20	162
	12SPXA 2,3,4,5	1.0	2, 3, 4, 5				162
	18SPXA 2,3,4,5,6,8,10	1.5	2, 3, 4, 5, 6, 8, 10				185
	24SPXA 3,4,5,6,8,10	2.0	3, 4, 5, 6, 8, 10				255
HEAT PUMP	9SPXA 2,3,4,5-HP	3/4	2, 3, 4	66	20	20	162
	12SPXA 2,3,4,5-HP	1.0	2, 3, 4, 5				162
	18SPXA 2,3,4,5,6,8,10-HP	1.5	2, 3, 4, 5, 6, 8, 10				185
	24SPXA 3,4,5,6,8,10-HP	2.0	3, 4, 5, 6, 8, 10				255
COOLING WITH HW HEAT	12SPXA-2HW	1.0	28,700	71-1/4	20	20	162
	18SPXA-3HW	1.5	48,900				185
	24SPXA-3HW	2.0	52,200				255

NOTES:
1. Contact factory for optional accessories
2. Btuh for Hw models are at 180deg. EWTand 4GPM

(2-1-2012)

(Replaces many existing models)

(some modification of the exterior wall may be required)

WCX12-AB(BB)

Split Condensing Unit - 1.5 to 2.5 tons
Thru - the - Wall

Features:
* Compact sizes
* Full access from the rear
* High pressure switch
* Extra-high efficiency scroll or reciprocating compressor
* Brass service valves
* Base pan sloped to the building exterior
* Plastic coasted coil guard

Options:
* Wall sleeve
* Custom painted architectural louvers
* Compressor sound cover

Certified Combination Information

UNIT MODEL	COOLING CAPACITY	SEER	INDOOR COIL	DIMENSIONS			EST. SHIP WT.
				H	W	D	
18WCX12-AB	18,000	12.0	20VOHBX	32	24	19	170
24WCX12-AB	23,800		32VOHBX				180
30WCX12-AB	27,800		32VOHBX				190
18WCX12-BB	18,000	12.0	20VOHBX	28	25-3/4	19	170
24WCX12-BB	23,800		32VOHBX				180
30WCX12-BB	27,800		RBHP-21J**				190





(Optional Architectural Louver)

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(Replaces many existing models)

(some modification of the exterior wall may be required)

WMU-A

Split Condensing Unit - 1.5 to 2.5 tons

Thru - the - Wall

Certified Combination Information

UNIT MODEL	COOLING CAPACITY	SEER	INDOOR COIL	DIMENSIONS			EST. SHIP WT.
				H	W	D	
18WMU-A	18,000	12.0	24CLX	40	27	23	250
24WMU-A	23,000	12.0	36CLX				250
30WMU-A	27,800	12.0	36CLX				261

Features:

* **High efficiency ECM motor**
* Extra-high efficiency scroll or reciprocating compressor
* Quiet, low rpm ECM motor
* Highly efficient propeller type fan blade
* High pressure switch
* Brass service valves
* Base pan sloped to the building exterior
* Plastic coated coil guard





(Shown with Optional Architectural Louver)

Options:

* Wall Sleeve
* Insulation Jacket
* Custom painted exterior architectural louver
* Compressor sound cover

(2-1-2012)

(Replaces many existing models)

(some modification of the exterior wall may be required)

WMHP-A

Split Heat Pump Unit - 1.5 to 2.5 tons

Thru - the - Wall

Certified Combination Information

UNIT MODEL	COOLING CAPACITY	SEER	HSPF	INDOOR COIL	DIMENSIONS			EST. SHIP WT.
					H	W	D	
19WMHP-A	21,000	12.0	7.4	25CLX	40	27	23	250
24WMHP-A	23,100	12.0	7.4	36CLX				250
30WMHP-A	27,500	12.0	7.4	36CLX				261

Features:

* **High efficiency ECM motor**
* Extra-high efficiency scroll or reciprocating compressor
* Quiet, low rpm ECM motor
* Highly efficient propeller type fan blade
* High pressure switch
* Brass service valves
* Base pan sloped to the building exterior
* Plastic coated coil guard





(Shown with Optional Architectural Louver)

Options:

* Wall Sleeve
* Insulation Jacket
* Custom painted exterior architectural louver
* Compressor sound cover

Thru-the-Wall Condensing Units

Up to 14.0 SEER

WHSC

Split Condensing Unit - 1.5 to 3.0 tons

Thru - the - Wall

Features:

* **High efficiency ECM motor**
* Extra-high efficiency scroll or reciprocating compressor
* Quiet, low rpm ECM motor
* Highly efficient propeller type fan blade
* High pressure switch
* Brass service valves
* Base pan sloped to the building exterior
* Plastic coated coil guard

Options:

* Wall Sleeve
* Insulation Jacket
* Custom painted exterior architectural louver
* Compressor sound cover

Thru-the-Wall Solution

* Helps maximize valuable HVAC equipment efficiency points in projects seeking LEEDd Certifcation and other above-code energy efficiency certification programs.
* Up to 14.0 SEER certified ratings assists in qualifying for utility rebate programs!
* Lower Installation Cost - WHSC condensing units install on the same floor as the living unit, resulting in considerable cost savings in refrigerant, refrigerant piping, and electrical wiring when compared to condensing units installed on the ground or roof.
* Security and Serviceability - Thru-the-Wall condensing units virtually eliminate theft opportunities and the need to install costly landscaping to hide conventional pad-mounted units. The unique cabinet design allows unit side panels to fit inside the base pan, rather than outside, to improve water containment within the cabinet.

14 SEER Systems

Certified Combination Information (1)

UNIT MODEL	COOLING BTUH	SEER	INDOOR COIL	DIMENSIONS			EST. SHIP WT.
				H	W	D	
18WHSC	18,800	14.0	25CLX	44	27	23	255
24WHSC	24,000	14.0	37CLX				260
30WHSC	28,800	14.0	37CLX				270

13 SEER Systems

Certified Combination Information (1)

UNIT MODEL	COOLING BTUH	SEER	INDOOR COIL	DIMENSIONS			EST. SHIP WT.
				H	W	D	
18WHSC	18,000	13.0	19HXX 19UCX	44	27	23	255
24WHSC	23,500	13.0	37HXX 37UCX				260
30WHSC	28,000	13.0	38UCX				270
36WHSC	35,000	13.0	37CLX				280

(1) SEER and Capacity information are tested combination ratings and certified by First Co. to the U.S. Department of Energy. DOE maintains a public database that includes a complete listing of all appliance certifications, available at www.regulations.doe.gov/certification_data/





(Shown with Optional Architectural Louver)

12 SEER Systems

Certified Combination Information (1)

UNIT MODEL	COOLING BTUH	SEER	INDOOR COIL	DIMENSIONS			EST. SHIP WT.
				H	W	D	
24WHSC	23,200	12.0	31HXX 25UCX	44	27	23	260
30WHSC	27,800	12.0	37HXX 37UCX				270

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CDX(X)-HW

Horizontal Fan Coil (Uncased)

Heat Pump or DX - With Hot Water Heat

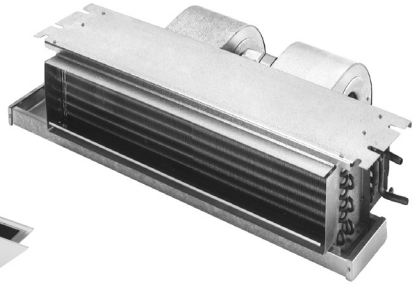
For factory installed TXV, add to end of model number: **R410 TXV**
(see Page 20 for field installed TXV kits)

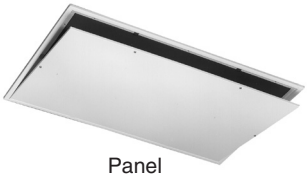
MODEL	NOM. CLG. (TONS)	BTUH (HEAT)	UNIT DIMENSIONS (H X W X D)	EST. SHIP WT.
18 or 19CDX-HW	1.5	28,800	10 X 38-1/8 X 21	66
20- 25CDX-HW	1.5-2.0	37,400	10 X 44-1/8 X 21	76
26-31CDX-HW	2.0-2.5	44,700	10 X 50-1/8 X 21	97
32-37CDX-HW	2.5-3.0	51,700	10 X 57-1/8 X 21	97

NOTES:
1. BTUH (heat) is calculated at 3.0 or 4.0 GPM and 180° EWT.
2. For additional access panels, see Page **21**
3. ECM versions only available on model sizes 19,20,25,31,32 and 37

Features:

* **Two speed PSC or ECM (X) motor opt.**
* **Factory installed freeze protector**
* Sloped and insulated drain pan
* **Electrical service switch**
* Manual air bleed port on HW coil
* Copper tube, aluminum fin heating and cooling coils
* Piston type metering device
* 120/24V relay/transformer
* Single point power connection
* Separate flow control module available (for water heater applications)





Panel
(Non-louvered Shown)

OPTIONAL CEILING PANELS			
FOR MODEL	**DESCRIPTION**	**ACCESS PANEL PART #**	**FRAME DIM. (L X W) (OUTSIDE**
18/19CDX-HW	LOUVERED	966	27-1/2 X 49
	NON-LOUVERED	966-1	
20-25CDX-HW	LOUVERED	967	27-1/2 X 55-1/2
	NON-LOUVERED	967-1	
26-37CDX-HW	LOUVERED	967-4	27-1/2 X 70-1/8
	NON-LOUVERED	967-5	

NOTES:
1. See CDX-HW-C for optional enclosures with matching panels

Separate Enclosures and Panels are stock items

CDX(X)-HW-C

Horizontal Fan Coil **(Cased)**

With Insulated Enclosure

Heat Pump or DX - With Hot Water Heat

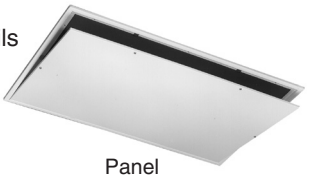
For factory installed TXV, add to end of model number: **R410 TXV**
(see Page 20 for field installed TXV kits)

MODEL	NOM. CLG. (TONS)	BTUH (HEAT)	UNIT DIMENSIONS (H X W X D)	EST. SHIP WT.
18 or 19CDX-HW-C	1.5	28,800	11 X 45-3/4 X 23-7/8	108
20-25CDX-HW-C	1.5-2.0	37,400	11 X 51-3/4 X 23-7/8	122
26-31CDX-HW-C	2.-2.5	44,700	11 X 58-1/2 X 23-7/8	147
32-37CDX-HW-C	2.5-3.0	51,700	11 X 66-1/2 X 23-7/8	147

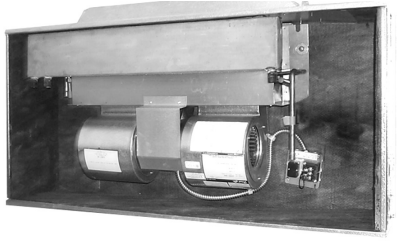
NOTES:
1. BTUH (heat) is calculated at 3.0 or 4.0 GPM and 180° EWT.
2. For additional access panels, see Page **21**
3. ECM versions only available on model sizes 19,20,25,31,32 and 37

Features:

* **Enclosure and panel included**
* **Factory installed freeze protector**
* **Two speed PSC or ECM (X) motor opt.**
* Sloped and insulated drain pan
* **Electrical service switch**
* Manual air bleed port on HW coil
* Copper tube heating and cooling coils
* Piston type metering device
* 120/24V relay/transformer
* Single point power connection
* Fully insulated enclosure



Panel
(Non-lovered Shown)



ENCLOSURES AND MATCHING PANELS (INCLUDED)				
FOR MODEL	**DESCRIPTION**	**ACCESS PANEL PART #**	**FRAME DIM.**	**ENCLOSURE PART #**
18 or 19CDX-HW-C	LOUVERED	**966**	27-1/2 X 49	**9ECDX01**
	NON- LOUVERED	**966-1**		
20-25CDX-HW-C	LOUVERED	**967**	27-1/2 X 55-1/2	**9ECDX02**
	NON- LOUVERED	**967-1**		
26-31CDX-HW-C	LOUVERED	**967-6**	27-1/2 X 63	**9ECDX03**
	NON- LOUVERED	**967-7**		
32-37CDX-HW-C	LOUVERED	**967-8**	27-1/2 X 70	**9ECDX04**
	NON- LOUVERED	**967-5**		

Effective January 2016, Cabinet air leakage is no more than 2% when tested in accordance with ASHRAE 193.

CDXQ (X)

Horizontal Fan Coil (Uncased)

Heat Pump or DX - With Hot Water Heat

Features:

* PSC or ECM(X) motor with 2 speed operation
* **Factory installed freeze protector**
* Sloped and insulated drain pan
* **Electrical service switch**
* Manual air bleed port on HW coil
* Copper tube, aluminum fin heating and cooling coils
* Piston type metering device
* 120/24V relay/transformer
* Single point power connection
* Factory installed pump

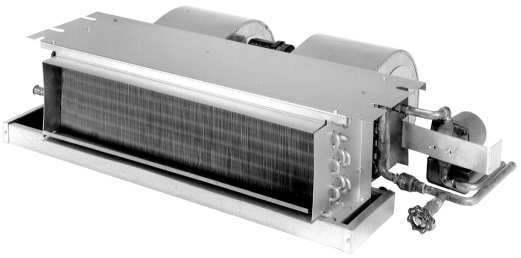
OPTIONAL CEILING PANELS			
FOR UNIT	**DESCRIPTION**	**ACCESS PANEL PART #**	**FRAME DIM. (L X W) (OUTSIDE**
18/19CDXQ	LOUVERED	966	27-1/2 X 49
	NON-LOUVERED	966-1	
20-25CDXQ	LOUVERED	967	27-1/2 X 55-1/2
	NON-LOUVERED	967-1	
26-37CDXQ	LOUVERED	967-4	27-1/2 X 70-1/8
	NON-LOUVERED	967-5	

NOTES:
1. See CDXQ-C for optional enclosures with matching panels

For factory installed TXV, add to end of model number: **R410 TXV** (see Page 20 for field installed TXV kits)

MODEL	NOM. CLG. (TONS)	BTUH (HEAT)	UNIT DIMENSIONS (H X W X D)	EST. SHIP WT.
18 or 19CDXQ(X)	1.5	18,400	10 X 45-1/8 X 21	74
20-25CDXQ (X)	1.5-2.0	23,000	10 X 51-1/8 X 21	82
26-31CDXQ (X)	2.0-2.5	27,300	10 X 57-1/8 X 21	103
32-37CDXQ (X)	2.5-3.0	31,600	10 X 64-1/8 X 21	103

NOTES:
1. For additional access panels, see Page **21**
2. BTUH (heat) is calculated at 3.0 GPM and 140° EWT.
3. ECM versions only available on model sizes 19,20,25,31,32 and 37



Separate Enclosures and Panels are stock items

CDXQ (X)-C

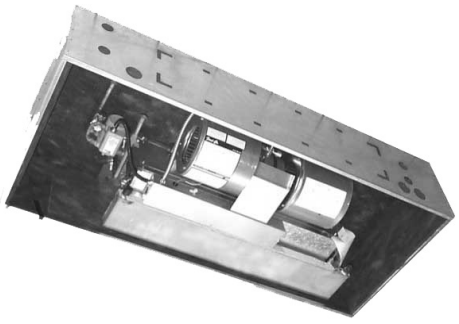
Horizontal Fan Coil **(Cased)**

With Insulated Enclosure

Heat Pump or DX - With Hot Water Heat

Panel
(Non-louvered Shown)





Effective January 2016, Cabinet air leakage is no more than 2% when tested in accordance with ASHRAE 193.

Features:

* **Enclosure and panel included**
* **Factory installed freeze protector**
* PSC or ECM(X) motor with 2 speed operation
* Sloped and insulated drain pan
* **Electrical service switch**
* Manual air bleed port on HW coil
* Copper tube, aluminum fin heating and cooling coils
* Piston type metering device
* 120/24V relay/transformer
* Single point power connection
* Factory installed pump
* Fully insulated enclosure

ENCLOSURES AND MATCHING PANELS (INCLUDED)				
FOR MODEL	**DESCRIPTION**	**ACCESS PANEL PART #**	**FRAME DIM.**	**ENCLOSURE PART #**
18 or 19CDXQ-C	LOUVERED	**966**	27-1/2 X 49	**9ECDX01**
	NON-LOUVERED	**966-1**		
20-25CDXQ-C	LOUVERED	**967**	27-1/2 X 55-1/2	**9ECDX02**
	NON-LOUVERED	**967-1**		
26-31CDXQ-C	LOUVERED	**967-6**	27-1/2 X 63	**9ECDX03**
	NON-LOUVERED	**967-7**		
32-37CDXQ-C	LOUVERED	**967-8**	27-1/2 X 70-1/8	**9ECDX04**
	NON-LOUVERED	**967-5**		

For factory installed TXV, add to end of model number: **R410 TXV** (see Page 20 for field installed TXV kits)

MODEL	NOM. CLG. (TONS)	BTUH (HEAT)	UNIT DIMENSIONS (H X W X D)	EST. SHIP. WT.
18 or 19CDXQ(X)-C	1.5	18,400	11 X 45-3/4 X 23-7/8	116
20-25CDXQ(X)-C	1.5-2.0	23,000	11 X 51-3/4 X 23-7/8	128
26-31CDXQ(X)-C	2.0-2.5	27,300	11 X 58-1/2 X 23-7/8	153
32-37CDXQ(X)-C	2.5-3.0	31,600	11 X 66-1/2 X 23-7/8	153

NOTES:
1. BTUH (heat) is calculated at 3.0 GPM and 140° EWT.
2. Ship WT. does not include panel (see Page **21**)
3. ECM versions only available on model sizes 19,20,25,31,32 and 37

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CLP / CLX (Less Than 30" Tall)

Upflow Closet Air Handler

Heat Pump or DX - With Electric Heat

Features:

* **CLP** - with PSC motor
* **CLX - with ECM motor**
* Right or Left side return air models
* Condensate pan has closed cell foam coating
* Primary and secondary drain connections
* Factory installed R-410A TXV
* Factory installed electric heat
* Factory installed filter
* Can be hung on a closet wall (wall bracket available)
* 240/24V relay transformer

MODEL (1)	NOM. CLG. (TONS)	kW (HEAT)	DIMENSIONS (H X W X D)	EST. SHIP. WT.
24CLP(X)0(1) R410 TXV	2.0/1.5	0	27-3/8 X 22-3/8 X 24-3/8	120
24CLP(X)3, 4, 5, 6(1) R410 TXV	2.0/1.5	3,4,5,6	27-3/8 X 22-3/8 X 24-3/8	120
24CLP(X)8, 10(1) R410 TXV	2.0/1.5	8,10	27-3/8 X 22-3/8 X 24-3/8	120
25CLX3, 4, 5, 6(1) R410 TXV	2.0/1.5	3,4,5,6	29-3/8 X 26-3/8 X 26-3/8	130
25CLX8, 10(1) R410 TXV	2.0/1.5	8,10	29-3/8 X 26-3/8 X 26-3/8	130
36CLP(X)0(1) R410 TXV	3.0/2.5	0	29-3/8 X 26-3/8 X 26-3/8	130
36CLP(X)3, 4, 5, 6(1) R410 TXV	3.0/2.5	3,4,5,6	29-3/8 X 26-3/8 X 26-3/8	130
36CLP(X)8, 10(1) R410 TXV	3.0/2.5	8,10	29-3/8 X 26-3/8 X 26-3/8	130
37CLX3, 4, 5, 6(1) R410 TXV	3.0/2.5	3,4,5,6	35-3/8 X 26-3/8 X 26-3/8	140
37CLX8,10(1) R410 TXV	3.0/2.5	8,10	35-3/8 X 26-3/8 X 26-3/8	140

NOTE:

(1) Add "RH" or "LH" for right or left hand return air.



CLP(X)-AQ (Less Than 30" Tall)

Upflow Closet Air Handler

Heat Pump or DX - With Hot Water Heat

Features:

* **CLP-AQ** - with PSC motor
* **CLX - with ECM motor**
* Right or Left side return air models
* Factory installed evaporator coil (RH or LH)
* Condensate pan has closed cell foam coating
* Primary and secondary drain connections
* Factory installed R-410A TXV
* Factory installed hot water coil with pump and check valve
* Factory installed filter
* Can be hung on a closet wall (wall bracket available)
* 120/24V relay transformer

MODEL (1)	NOM. CLG. (TONS)	BTUH (HEAT)	DIMENSIONS (H X W X D)	EST. SHIP. WT.
24CLP(X)-AQ(1) R410 TXV	2.0/1.5	36,000	27-3/8 X 22-3/8 X 24-3/8	120
25CLX-AQ(1) R410 TXV	2.0/1.5	36,000	29-3/8 X 26-3/8 X 26-3/8	130
36CLP(X)-AQ(1) R410 TXV	3.0/2.5	55,000	29-3/8 X 26-3/8 X 26-3/8	130
37CLX-AQ(1) R410 TXV	3.0/2.5	55,000	35-3/8 X 26-3/8 X 26-3/8	140

NOTE:

(1) Add "RH" or "LH" for right or left hand return air.



FIRST CO. - P.O. Box 270969 - Dallas, Texas 75227 - Ph. (214) 388-5751 - Fax (214) 388-2255 - www.firstco.com

CLP(X)-HW (Less Than 30" Tall)

Upflow Closet Air Handler

Heat Pump or DX - With Hot Water Heat

Features:

* **CLP-HW** - with PSC motor
* **CLX -HW - with ECM motor**
* Right or Left side return air models
* Factory installed evaporator coil (RH or LH)
* Condensate pan has closed cell foam coating
* Primary and secondary drain connections
* Factory installed R-410A TXV
* Separate flow control module available (for water heater applications)
* Factory installed filter
* Can be hung on a closet wall (wall bracket available)
* 120/24V relay transformer

MODEL (1)	NOM. CLG. (TONS)	BTUH (HEAT)	DIMENSIONS (H X W X D)	EST. SHIP. WT.
24CLP(X)-HW(1) R410 TXV	2.0/1.5	36,000	27-3/8 X 22-3/8 X 24-3/8	120
25CLX-HW(1) R410 TXV	2.0/1.5	36,000	29-3/8 X 26-3/8 X 26-3/8	130
36CLP(X)-HW(1) R410 TXV	3.0/2.5	55,000	29-3/8 X 26-3/8 X 26-3/8	130
37CLX-HW(1) R410 TXV	3.0/2.5	55,000	35-3/8 X 26-3/8 X 26-3/8	140

NOTE:

(1) Add "RH" or "LH" for right or left hand return air.



FWA-AQ (with installed pump)

FWA-HW (without installed pump)

FWAX-8AQ (with installed pump for tankless water heater applications and ECM motor)

Multi-Position, Heating Only

Features:

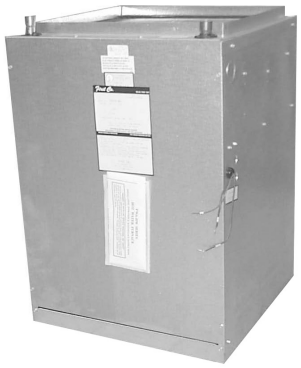
* Copper tube, aluminum fin coil
* Factory installed filter
* Blower door safety switch
* Manual air vent on coil
* Separate flow control module available (FWA-HW only)
* 120/24V relay/transformer

UNIT MODEL	CFM RANGE .10 ESP	BTUH (HEAT)	DIMENSIONS (H X W X D)	EST. SHIP WT.
FWA30-AQ(HW)	710-950	37,100	27-1/2 X 20 X 20	80
FWA50-AQ(HW)	1265-1530	52,800	27-1/2 X 20 X 23	85
FWA60-AQ(HW)	1150-1420	62,600	27-1/2 X 20 X 23	95

NOTES:

1. BTUH (heat) is calculated at 3.0 GPM and 140° EWT on FWA30 and 3.5 GPM and 140° EWT on FWA50 & 60.

2. Contact factory for boiler applications





940-3 CV (optional)
(for FWA-HW only)

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HBX / HBXX

Upflow / Horizontal Air Handler
Heat Pump or DX - With Electric Heat

Features:

* **Motor Options**
  HBX - PSC Permanent split capacitor
  HBXX - ECM constant torque
* Extra high efficiency "A" coil
* Circuit breaker service switch (over 10 kW)
* Piston type metering device for heat pump or DX
* Factory installed electric heat (except 0 kW)
* Primary and secondary drains
* Factory installed filter
* Installed upflow / horizontal drain pan
* 240/24V relay/transformer
* Optional counterflow conversion kits (field installed) (except 60HBX)



For factory installed TXV, add to end of model number: **R410 TXV**
(see Page 20 for field installed TXV kits)

MODEL	NOM. CLG. (TONS)	kW (HEAT)	DIMENSIONS (H X W X D)	EST. SHIP. WT
18HBX0 18HBX3 18HBX4 18HBX5 18HBX8, 10	1.5	0 3 4 5 8,10	40 X 20 X 20	118
24HBX0 24HBX3 24HBX4 24HBX5 24HBX8, 10	2.0	0 3 4 5 8,10	40 X 20 X 20	123
30HBX0 30HBX5 30HBX8, 10 30HBX15	2.5	0 5 8,10 15	42 X 20 X 23	138
36HBX0 36HBX5 36HBX8, 10 36HBX15	3.0	0 5 8,10 15	42 X 20 X 23	145
48HBX0 48HBX8, 10 48HBX15 48HBX20 48HBX25	3.5/4.0	0 8,10 15 20 25	48 X 21-1/4 X 28	185
60HBX0 60HBX8, 10 60HBX15 60HBX20 60HBX25	5.0	0 8,10 15 20 25	48 X 21-1/4 X 28	215

NOTES: 1. For 3.5 ton applications use model 48HBX and field convert fan motor to low speed
2. Counterflow conversion kits
#919-11 for 18-24HBX
#919-12 for 30-36HBX
#919-13 for 48HBX (not available for size 60)

HBXB-HW / HBXBX-HW

Upflow / Horizontal Air Handler
Heat Pump or DX - With Hot Water Heat
With Multi-Function Microprocessor

Features:

* **Motor Options**
  HBXB-HW - PSC Permanent split capacitor
  HBXBX-HW - ECM constant torque
* **Blower delays**
* Two speed fan operation
* Extra high efficiency "A" coil
* Slide out hot water coil assembly
* Installed upflow / horizontal drain pan
* Piston-type metering device (standard)
* Manual air bleed port on HW coil
* Factory installed filter
* Primary and secondary drains
* Separate flow control module available (see note 2)
* Blower door switch (except 60HBXB-HW)
* 120/24V relay/transformer
* Optional counterflow conversion kits (field installed):
  #919-11 for 18-24HBXB-HW
  #919-12 for 30-36HBXB-HW
  #919-13 for 48HBXB-HW
  (not available for size 60)

For factory installed TXV, add to end of model number: **R410 TXV**
(see Page 20 for field installed TXV kits)

MODEL	NOM. CLG. (TONS)	BTUH (HEAT)	DIMENSIONS (H X W X D)	EST. SHIP. WT.
18HBXB-HW	1.5	38,700	40 X 20 X 20	120
24HBXB-HW	2.0	43,500	40 X 20 X 20	125
30HBXB-HW	2.5	58,900	42 X 20 X 23	135
36HBXB-HW	3.0	65,200	42 X 20 X 23	145
48HBXB-HW	3.5 / 4.0 (4)	104,700	48 X 21-1/4 X 28	205
60HBXB-HW	5.0	131,700	52 X 25-1/4 X 28	265

NOTES:
1. BTUH (heat) is calculated at 180 degree EWT and highest GPM flow rate.
2. "Flow Control Module" for 18-48HBXB-HW = # 940-3 CV (10 lbs.)
"Flow Control Module" for 60HBXB-HW = # 940-2 CV (12 lbs.)
3. Freeze protector (field installed) - turns pump on when heating coil temperature drops below 38 degrees. Order part #941-1
4. Field-convert fan motor to medium speed for 3.5 ton capacity



HBQB / HBQBX

Upflow / Horizontal Air Handler

Heat Pump or DX - With Hot Water Heat

With Multi-Function Microprocessor

Features:

* **Motor Options**
  HBQB - PSC Permanent split capacitor
  HBQBX - ECM constant torque
* **Automatic pump timer**
* **Blower delays**
* Two speed fan operation
* Installed circulating pump
* Easy access check valve
* Installed manual air purge valve
* Piston type metering device
* Blower door safety switch (except 60HBQB)
* Factory installed filter
* Primary and secondary drains
* 120/24V relay/transformer
* Slide out hot water coil assembly
* Installed upflow / horizontal drain pan
* Optional counterflow conversion kits: (field installed)
  # 919-11 for 18 - 24HBQB
  # 919-12 for 30 - 36HBQB
  # 919-13 for 48HBQB



For factory installed TXV, add to end of model number: **R410 TXV** (see Page 20 for field installed TXV kits)

MODEL	NOM. CLG. (TONS)	BTUH (HEAT)	DIMENSIONS (H X W X D)	EST. SHIP. WT.
18HBQB	1.5	33,900	40 X 20 X 20	130
24HBQB	2.0	35,300	40 X 20 X 20	135
30HBQB	2.5	43,600	42 X 20 X 23	150
36HBQB	3.0	49,500	42 X 20 X 23	152
48HBQB	3.5 (3) 4.0	64,200 (3) 68,800	48 X 21-1/4 X 28	212
60HBQB	5.0	91,000	52 X 25-1/4 X 28	270

NOTES:

1. BTUH (heat) is calculated at 140° EWT.

2. Freeze protector (field installed) - turns pump on when heating coil temperature drops below 38 degrees. Order part #941-1

3. Field-convert fan motor to medium speed for 3.5 ton capacity

HX Horizontal Fan Coils (Uncased)

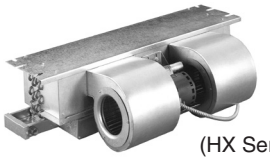
Heat Pump or DX - With Electric Heat

(Heat pump w/Heat requires kit # 942-1)

Features:

* Sloped and insulated drain pan
* Primary and secondary drains
* Easy service access
* 240/24V relay/transformer
* Copper tube, aluminum fin coil
* Factory installed electric heat (except 0 kW)

Separate Enclosures and Panels are stock items



(HX Series)

OPTIONAL ENCLOSURES AND MATCHING PANELS				
FOR MODEL	DESCRIPTION	ACCESS PANEL PART #	PANEL FRAME DIM.	ENCLOSURE PART #
18,19, 24HX 24HXB	LOUVERED	965	27-1/2 X 43	9EHX01
	NON-LOUVERED	965-1		
20, 25, 30HX 30HXB	LOUVERED	966	27-1/2 X 49	9EHX02
	NON-LOUVERED	966-1		
26, 31, 36HX	LOUVERED	967	27-1/2 X 55-1/2	9EHX03
	NON-LOUVERED	967-1		
32, 37HX	LOUVERED	967-6	27-1/2 X 63	9EHX04
	NON-LOUVERED	967-7		

For factory installed TXV, add to end of model number: **R410 TXV** (see Page 20 for field installed TXV kits)

MODEL	NOM. CLG. (TONS)	kW (HEAT)	DIMENSIONS (H X W X D)	EST. SHIP. WT.
18HX0-51 **18HX3,5,6** **18HX8,10**	1.5	0 3,5,6 8,10	10 X 37-1/4 X 21	58
19HX0 **19HX3,5,6** **19HX8,10**	1.5	0 3,5,6 8,10	10 X 37-1/4 X 21	60
20HX0 **20HX3,5,6** **20HX8,10**	1.5	0 3,5,6 8,10	10 X 43-1/4 X 21	63
24HX0-59 **24HX3,5,6** **24HX8,10**	2.0	0 3,5,6 8,10	10 X 37-1/4 X 21	63
25HX0 **25HX3,5,6** **25HX8,10**	2.0	0 3,5,6 8,10	10 X 43-1/4 X 21	70
26HX0 **26HX3,5,6** **26HX8,10**	2.0	0 3,5,6 8,10	10 X 49-1/4 X 21	70
30HX0-63 **30HX3,5,6** **30HX8,10**	2.5	0 3,5,6 8,10	10 X 43-1/4 X 21	71
31HX0 **31HX3,5,6** **31HX8,10**	2.5	0, 3,5,6 8,10	10 X 49-1/4 X 21	85
32HX0 **32HX3,5,6** **32HX8,10**	2.5	0, 3,5,6 8,10	10 X 56-1/4 X 21	85
36HX0-70 **36HX3,5,6** **36HX8,10**	3.0	0 3,5,6 8,10	10 X 49-1/4 X 21	85
37HX0-70 **37HX3,5,8** **37HX8,10**	3.0	0 3,5,6 8,10	10 X 56-1/4 X 21	95

NOTES:

1. For additional access panels, see Page **21**

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HX-C

Horizontal Fan Coil **(Cased)**
With Insulated Enclosure
Heat Pump or DX - With Electric Heat
(Heat pump w/Heat requires kit # 942-1)

Features:

* **Enclosure and panel included**
* Primary and secondary drains
* Easy service access
* 240/24V relay/transformer
* Copper tube, aluminum fin coil
* Sloped and insulated drain pan
* Factory installed electric heat (except 0 kW)
* Fully insulated cabinet
* See below for access panels





Panel
(Non-louvered
Shown)

Effective January 2016, Cabinet air leakage is no more than 2% when tested in accordance with ASHRAE 193.

OPTIONAL ENCLOSURES AND MATCHING PANELS				
FOR MODEL	DESCRIPTION	ACCESS PANEL PART #	PANEL FRAME DIM.	ENCLOSURE PART #
18,19, 24HX-C 24HXB-C	LOUVERED	965	27-1/2 X 43	9EHX01
	NON-LOUVERED	965-1		
20, 25, 30HX-C 30HXB-C	LOUVERED	966	27-1/2 X 49	9EHX02
	NON-LOUVERED	966-1		
26, 31, 36HX-C	LOUVERED	967	27-1/2 X 55-1/2	9EHX03
	NON-LOUVERED	967-1		
32, 37HX-C	LOUVERED	967-6	27-1/2 X 63	9EHX04
	NON-LOUVERED	967-7		

For factory installed TXV, add to end of model number: **R410 TXV** (see Page 20 for field installed TXV kits)

MODEL	NOM. CLG. (TONS)	kW (HEAT)	ENCLOSURE DIMENSIONS (H X W X D)	EST. SHIP. WT.
18HX0-C 18HX3, 5, 6-C 18HX8, 10-C	1.5	0 3,5,6 8,10	11 X 39-3/4 X 23-7/8	88
19HX0-C 19HX3, 5, 6-C 19HX8, 10-C	1.5	0 3,5,6 8,10	11 X 39-3/4 X 23-7/8	92
20HX0-C 20HX3, 5, 6-C 20HX8, 10-C	1.5	0 3,5,6 8,10	11 X 45-3/4 X 23-7/8	95
24HX0-C 24HX3, 5, 6-C 24HX8, 10-C	2.0	0 3,5,6 8,10	11 X 39-3/4 X 23-7/8	95
25HX0-C 25HX3, 5, 6-C 25HX8, 10-C	2.0	0 3,5,6 8,10	11 X 45-3/4 X 23-7/8	102
26HX0-C 26HX3, 5, 6-C 26HX8, 10-C	2.0	0 3,5,6 8,10	11 X 51-3/4 X 23-7/8	102
30HX0-C 30HX3, 5, 6-C 30HX8, 10-C	2.5	0 3,5,6 8,10	11 X 45-3/4 X 23-7/8	103
31HX0-C 31HX3, 5, 6-C 31HX8, 10-C	2.5	0 3,5,6 8,10	11 X 51-3/4 X 23-7/8	121
32HX0-C 32HX3, 5, 6-C 32HX8, 10-C	2.5	0 3,5,6 8,10	11 X 58-3/4 X 23-7/8	121
36HX0-C 36HX3, 5, 6-C 36HX8, 10-C	3.0	0 3,5,6 8,10	11 X 51-3/4 X 23-7/8	121
37HX0-C 37HX3, 5, 6-C 37HX8, 10-C	3.0	0 3,5,6 8,10	11 X 58-3/4 X 23-7/8	131

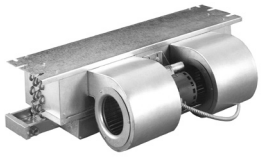
NOTE:
1. Ship WT. does not include panel (see Page **21**)

HXX

Horizontal Fan Coils (Uncased)
Heat Pump or DX - With Electric Heat
(Heat pump w/Heat requires kit # 942-1)

Features:

* **High efficency ECM motor**
* Sloped and insulated drain pan
* Primary and secondary drains
* Easy service access
* 240/24V relay/transformer
* Copper tube, aluminum fin coil
* Factory installed electric heat (except 0 kW)



(HXX Series)

Separate Enclosures and Panels are stock items

For factory installed TXV, add to end of model number: **R410 TXV** (see Page 20 for field installed TXV kits)

MODEL	NOM. CLG. (TONS)	kW (HEAT)	DIMENSIONS (H X W X D)	EST. SHIP. WT.
19HXX0 19HXX3,5,6 19HXX8,10	1.5	0 3,5,6 8,10	10 X 37-1/4 X 21	60
20HXX0 20HXX3,5,6 20HXX8,10	1.5	0 3,5,6 8,10	10 X 43-1/4 X 21	70
25HXX0 25HXX3,5,6 25HXX8,10	2.0	0 3,5,6 8,10	10 X 43-1/4 X 21	70
26HXX0 26HXX3,5,6 26HXX8,10	2.0	0 3,5,6 8,10	10 X 49-1/4 X 21	70
31HXX0 31HXX3,5,6 31HXX8,10	2.5	0, 3,5,6 8,10	10 X 49-1/4 X 21	85
32HXX0 32HXX3,5,6 32HXX8,10	2.5	0, 3,5,6 8,10	10 X 56-1/4 X 21	85
37HXX0-70 37HXX3,5,8 37HXX8,10	3.0	0 3,5,6 8,10	10 X 56-1/4 X 21	95

OPTIONAL ENCLOSURES AND MATCHING PANELS				
FOR MODEL	DESCRIPTION	ACCESS PANEL PART #	PANEL FRAME DIM.	ENCLOSURE PART #
19HXX	LOUVERED	965	27-1/2 X 43	9EHX01
	NON-LOUVERED	965-1		
20, 25HXX	LOUVERED	966	27-1/2 X 49	9EHX02
	NON-LOUVERED	966-1		
26, 31HXX	LOUVERED	967	27-1/2 X 55-1/2	9EHX03
	NON-LOUVERED	967-1		
32, 37HXX	LOUVERED	967-6	27-1/2 X 63	9EHX04
	NON-LOUVERED	967-7		

NOTES:
1. For additional access panels, see Page **21**

HXX-C

Horizontal Fan Coil **(Cased)**
With Insulated Enclosure
Heat Pump or DX - With Electric Heat
(Heat pump w/Heat requires kit # 942-1)

Features:

* **High efficency ECM motor**
* **Enclosure and panel included**
* Primary and secondary drains
* Easy service access
* 240/24V relay/transformer
* Copper tube, aluminum fin coil
* Sloped and insulated drain pan
* Factory installed electric heat (except 0 kW)
* Fully insulated cabinet
* See below for access panels

Effective January 2016, Cabinet air leakage is no more than 2% when tested in accordance with ASHRAE 193.





Panel
(Non-louvered
Shown)

For factory installed TXV, add to end of model number: **R410 TXV** (see Page 20 for field installed TXV kits)

MODEL	NOM. CLG. (TONS)	kW (HEAT)	ENCLOSURE DIMENSIONS (H X W X D)	EST. SHIP. WT.
19HXX0-C 19HXX3, 5, 6-C 19HXX8, 10-C	1.5	0 3,5,6 8,10	11 X 39-3/4 X 23-7/8	92
20HXX0-C 20HXX3, 5, 6-C 20HXX8, 10-C	1.5	0 3,5,6 8,10	11 X 45-3/4 X 23-7/8	102
25HXX0-C 25HXX3, 5, 6-C 25HXX8, 10-C	2.0	0 3,5,6 8,10	11 X 45-3/4 X 23-7/8	102
26HXX0-C 26HXX3, 5, 6-C 26HXX8, 10-C	2.0	0 3,5,6 8,10	11 X 51-3/4 X 23-7/8	121
31HXX0-C 31HXX3, 5, 6-C 31HXX8, 10-C	2.5	0 3,5,6 8,10	11 X 51-3/4 X 23-7/8	121
32HXX0-C 32HXX3, 5, 6-C 32HXX8, 10-C	2.5	0 3,5,6 8,10	11 X 58-3/4 X 23-7/8	131
37HXX0-C 37HXX3, 5, 6-C 37HXX8, 10-C	3.0	0 3,5,6 8,10	11 X 58-3/4 X 23-7/8	131

OPTIONAL ENCLOSURES AND MATCHING PANELS				
FOR MODEL	DESCRIPTION	ACCESS PANEL PART #	PANEL FRAME DIM.	ENCLOSURE PART #
19HXX-C	LOUVERED	965	27-1/2 X 43	9EHX01
	NON-LOUVERED	965-1		
20, 25HXX-C	LOUVERED	966	27-1/2 X 49	9EHX02
	NON-LOUVERED	966-1		
26, 31HXX-C	LOUVERED	967	27-1/2 X 55-1/2	9EHX03
	NON-LOUVERED	967-1		
32, 37HXX-C	LOUVERED	967-6	27-1/2 X 63	9EHX04
	NON-LOUVERED	967-7		

NOTE:
1. Ship WT. does not include panel (see Page **21**)

For <u>replacement</u> only - <u>not</u> for new construction

RAQ

Upflow Closet or Wall Recessed Air Handler
DX - With Hot Water Heat

Features:

* Installed circulating pump and easy access check valve
* Installed manual air purge valve
* Blower door safety switch
* Primary and secondary drains
* Convenient electrical connections
* Can be hung on a closet wall (requires kit)
* Piston type metering device
* Factory installed filter
* 120/24V relay/transformer

Options:

* Louvered wall panel with captive screws



MODEL	NOM. CLG. (TONS)	BTUH (HEAT)	DIMENSIONS (H X W X D)	EST. SHIP. WT.
24RAQ3	2.0 / 1.5	29,000	39-1/4 X 20-1/8 X 16-1/8	120
36RAQ3	3.0 / 2.5	45,000	44-1/4 X 24-1/8 X 21-1/8	150

NOTES:
1. Ship weight includes wall panel
2. Above dimensions do not include access panels

OPTIONAL ACCESSORIES (FIELD INSTALLED)			
DESCRIPTION	PART #	USED ON UNIT MODEL	FRAME DIMENSIONS (W X H)
WALL PANEL	**961**	24RAQ	23-1/2 X 42-1/2
WALL PANEL	**962**	36RAQ	27-1/2 X 47-1/2
HANGER BRACKET	**919-2**	ALL	26 X 1-1/2

NOTES:
1. BTUH (heat) is calculated at 3.0 GPM and 140° EWT.
2. Wall panels are required for recessed wall mounting, not closet mounting
3. All wall panels are shipped separately and 8 or 10 per carton
4. Wall panels include separate mounting frame
5. Hanger bracket attaches to closet wall to allow hanging of air handler inside closet

For replacement only - not for new construction

VAQ

Upflow Air Handler (See note 2)

Heat Pump or DX - With Hot Water Heat

Features:

* Installed circulating pump
* Easy access check valve
* Installed manual air purge valve
* Piston type metering device
* Blower door safety switch
* Convenient electrical connections
* Factory installed filter
* Primary and secondary drains
* 120/24V relay/transformer



MODEL	NOM. CLG. (TONS)	BTUH (HEAT)	DIMENSIONS (H X W X D)	EST. SHIP. WT.
24VAQ3	2.0 / 1.5	30,000	40 X 14 X 20	95
36VAQ3	3.0 / 2.5	43,200	42 X 20 X 20	130

NOTES:

1. BTUH (heat) is calculated at 140° EWT.

2. For horizontal drain pan kit for 24-36VAQ order part #935-1.

3. Freeze protector (field installed) - turns pump on when heating coil temperature drops below 38 degrees. Order part #941-1

UC / UCX

Upflow Wall or Closet Recessed Air Handler

Heat Pump or DX - With Electric Heat

Features:

* **UC - with PSC motor**
* **UCX - with ECM motor**
* Pull type disconnect switch
* Factory installed electric heat
* Field installed electric heat kit (for UC0-HK models only)
* Factory or field installed R-410A TXV
* Sloped thermoplastic drain pan
* Primary and secondary drain connections
* Convenient electrical connections
* Can be hung on a closet wall (wall bracket available)
* Front or bottom return air (Kit requited for bottom return)
* Factory installed filter
* 240/24V relay transformer



OPTIONAL ACCESSORIES (FIELD INSTALLED)				
DESCRIPTION	PART #			DIMENSIONS
	18 - 31UC(X)	36 / 37UC(X)	38UC(X)	
WALL PANEL	**9PWUC01L**	- - -	- - -	25-5/8 X 43-3/8
WALL PANEL	- - -	**9PWUC02L**	- - -	25-5/8 X 46-3/8
WALL PANEL	- - -	- - -	**9PWUC03L**	31-5/8 X 52-1/2
HANGER BRKT. SET	**90PK3**	**90PK3**	**90PK31**	1-1/2 X 22-1/8
RETURN AIR COVER	**90PK4**	- - -	- - -	19-13/16 X 22
RETURN AIR COVER	- - -	**90PK5**	- - -	21-5/8 X 22
RETURN AIR COVER	- - -	- - -	**90PK51**	20-5/8 X 28
CONDENSATE OVERFLOW SWITCH	**SS3**	**SS3**	**SS3**	- - -

NOTES:

1. Wall panels are required for recessed wall mounting, not closet mounting

2. Wall panels include separate mounting frame

3. Service pullout does not protrude through wall panel

For factory installed TXV, add to end of model number: **R410 TXV** (see Page 20 for field installed TXV kits)

MODEL	NOM. CLG. (TONS)	kW (HEAT)	DIMENSIONS (H X W X D)	EST. SHIP. WT.
18UC(X)0-HK 18UC(X)3,5,6 18UC(X)8,10	1.5	0 3,5,6 8,10	40 X 22-1/8 X 15-1/8	90
19UC(X)0-HK 19UC(X)3,5,6 19UC(X)8,10	1.5	0 3,5,6 8,10	40 X 22-1/8 X 15-1/8	90
20UC(X)0-HK 20UC(X)5,6 20UC(X)8,10	1.5	0 5,6 8,10	40 X 22-1/8 X 15-1/8	90
24UC(X)0-HK 24UC(X)5,6 24UC(X)8,10	2.0	0 5,6 8,10	40 X 22-1/8 X 15-1/8	90
25UC(X)0-HK 25UC(X)3,5,6 25UC8,10	2.0	0 3,5,6 8,10	40 X 22-1/8 X 15-1/8	91
26UC(X)0-HK 26UC(X)5,6 326UC(X)8,10	2.0	0 5,6 8,10	40 X 22-1/8 X 15-1/8	91
30UC(X)0-HK 30UC(X)5,6 30UC(X)8,10	2.5	0 5,6 8,10	40 X 22-1/8 X 15-1/8	91
31UC(X)0-HK 31UC(X)3,5,6 31UC(X)8,10	2.5	0, 3,5,6 8,10	40 X 22-1/8 X 15-1/8	95
32UC(X)0-HK 32UC(X)3,5,6 32UC(X)8,10	2.5	0 3,5,6 8,10	43 X 22-1/8 X 18-1/8	95
36UC(X)0-HK 36UC(X)3,5,6 36UC(X)8,10	3.0	0 3,5,6 8,10	43 X 22-1/8 X 18-1/8	95
37UC(X)0-HK 37UC(X)3,5,6 37UC(X)8,10	3.0	0 3,5,6 8,10	43 X 22-1/8 X 18-1/8	97
38UC(X)0-HK 38UC(X)3,5,6 38UC(X)8,10	3.0	0 3,5,6 8,10	46 X 28-1/8 X 21-	130

NOTES:

1. Above dimensions do not include wall panels

2. See Page **22** for additional accessories.

3. Ship WT. does not include panel (add 25 lbs.)

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UC-HW / UCX-HW (without installed pump)

Upflow Closet or Wall Recessed Air Handler
Heat Pump or DX - With Hot Water Heat

Features:

* **UC-HW - with PSC motor**
* **UCX-HW - with ECM motor**
* Factory or field installed R-410A TXV
* Sloped thermoplastic drain pan
* Front or bottom return air (kit required for bottom return)
* Installed manual air purge valve
* Blower door safety switch
* Primary and secondary drain connections
* Convenient electrical connections
* Can be hung on a closet wall (wall bracket available)
* Factory installed filter
* 120/24V relay transformer

For piston models (no TXV) remove "R410 TXV" from end of model number: (contact factory to determine if TXV is required)

MODEL	NOM. CLG. (TONS)	BTUH (HEAT)	DIMENSIONS (H X W X D)	EST. SHIP. WT.
18-20UC(X)-HW R410 TXV	1.5	44,300	43 X 22-1/8 X 18	112
24-26UC)X)-HW R410 TXV	2.0	53,100	43 X 22-1/8 X 18	116
30-32UC(X)-HW R410 TXV	2.5	60,700	43 X 22-1/8 X 18	116
36-37UC(X)-HW R410 TXV	3.0	72,400	43 X 22-1/8 X 21	130
38UC(X)-HW R410 TXV	3.0	78,700	46 X 28-1/8 X 21	180

NOTES:
1. BTUH (heat) is calculated at 4.5 GPM and 180° EWT.
2. Ship WT. does not include panel (add 25 lbs.)



OPTIONAL ACCESSORIES (FIELD INSTALLED)				
DESCRIPTION	**PART NO.**	**FOR**	**DIMENSIONS**	
WALL PANEL **(1)**	**9PWUC03L 9PWUC04L**	19-37 UC(X)QB 38UCX-HW	49-5/8 X 25-7/8 52-1/2 X 31-5/8 (Outside Frame)	46-5/8 x 22-3/4 49-1/2 X 28-5/8 (Inside Frame)
HANGER BRKT.	**90PK3 90PK31**	19-37 UC(X)QB 38UCX-HW	1-3/4 X 22-1/8 1-3/4 X 27-15/16	---
BOTTOM RETURN AIR KIT	**90PK5 90PK51**	19-37 UC(X)QB 38UCX-HW	21-5/8 X 22 20-5/8 X 28	---
CONDENSATE OVERFLOW SWITCH	**SS3**	ALL UC(X)QB	---	---
FREEZE **(2)** PROTECTOR	**941-1**	ALL UC(X)QB	---	---

NOTES:
(1) Wall Panels are taller than the UC(X)-HW cabinet to allow access to hot water coil connections.
(2) Energizes the pump and fan if HW coil temperature falls below 38°.

UCQB / UCXQB (with installed pump and timer)

Upflow Closet or Wall Recessed Air Handler
Heat Pump or DX - With Hot Water Heat

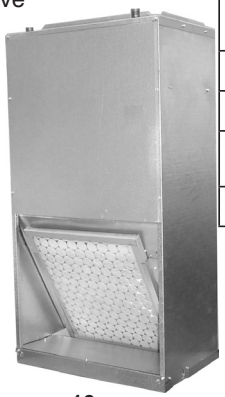
Features:

* **UCQB - with PSC motor**
* **UCXQB - with ECM motor**
* Factory or field installed R-410A TXV
* Automatic pump timer
* Blower delay
* Sloped thermoplastic drain pan
* Front or bottom return air (kit required for bottom return)
* Installed circulating pump and easy access check valve
* Installed manual air purge valve
* Blower door safety switch
* Primary and secondary drain connections
* Convenient electrical connections
* Can be hung on a closet wall (wall bracket available)
* Bottom return air (requires return air cover)
* Factory installed filter

For piston models (no TXV) remove "R410 TXV" from end of model number: (contact factory to determine if TXV is required)

MODEL	NOM. CLG. (TONS)	BTUH (HEAT)	DIMENSIONS (H X W X D)	EST. SHIP. WT.
18-20UC(X)QB R410 TXV	1.5	21,500	43 X 22-1/8 X 18	120
24-26UC(X)QB R410 TXV	2.0	26,200	43 X 22-1/8 X 18	124
30-32UC(X)QB R410 TXV	2.5	31,200	43 X 22-1/8 X 18	125
36-37UC(X)QB R410 TXV	3.0	38,700	43 X 22-1/8 X 21	138
38UC(X)QB R410 TXV	3.0	41,700	46 X 28-1/8 X 21	185

NOTES:
1. BTUH (heat) is calculated at 3.5 GPM and 140° EWT.
3. Ship WT. does not include panel (add 25 lbs.)



OPTIONAL ACCESSORIES (FIELD INSTALLED)				
DESCRIPTION	**PART NO.**	**FOR**	**DIMENSIONS**	
WALL PANEL **(1)**	**9PWUC03L 9PWUC04L**	19-37 UC(X)QB 38UCXQ	49-5/8 X 25-7/8 52-1/2 X 31-5/8 (Outside Frame)	46-5/8 x 22-3/4 49-1/2 X 28-5/8 (Inside Frame)
HANGER BRKT.	**90PK3 90PK31**	19-37 UC(X)QB 38UCXQ	1-3/4 X 22-1/8 1-3/4 X 27-15/16	---
BOTTOM RETURN AIR KIT	**90PK5 90PK51**	19-37 UC(X)QB 38UCXQ	21-5/8 X 22 20-5/8 X 28	---
CONDENSATE OVERFLOW SWITCH	**SS3**	ALL UC(X)QB	---	---
FREEZE **(2)** PROTECTOR	**941-1**	ALL UC(X)QB	---	---

NOTES:
(1) Wall Panels are taller than the UC(X)QB cabinet to allow access to hot water coil connections.
(2) Energizes the pump and fan if HW coil temperature falls below 38°.

VHBXB-HW (Variable Speed)

Upflow / Horizontal Air Handler

Heat Pump or DX - With Hot Water Heat

MODEL	NOM. CLG. (TONS)	BTUH (HEAT)	DIMENSIONS (H X W X D)	EST. SHIP. WT.
24VHBXB-HW R410 TXV	2.0 / 1.5	43,500	40 X 20 X 20	145
36VHBXB-HW R410 TXV	3.0 / 2.5	65,200	42 X 20 X 23	165
48VHBXB-HW R410 TXV	4.0 / 3.5	103,100	48 X 21-1/4 X 28	225
60VHBXB-HW R410 TXV	5.0	132,400	52 X 25-1/4 X 28	285

NOTES:

1. BTUH (heat) is calculated at 180 degree EWT and highest GPM flow rate.
2. "Flow Control Module" for 18-48VHBXB-HW = # 940-3 CV (10 lbs.)
   "Flow Control Module" for 60VHBXB-HW = # 940-2 CV (12 lbs.)
3. Freeze protector (field installed) - turns pump on when heating coil temperature drops below 38 degrees. Order part #941-1

Features:

* **High efficiency, variable speed motor**
* **Blower delays**
* Factory installed R-410A TXV
* Extra high efficiency "A" coil
* Slide out hot water coil assembly
* Installed upflow / horizontal drain pan
* Manual air bleed port on HW coil
* Factory installed filter
* Primary and secondary drains
* Separate flow control module available (see note 2)
* Blower door safety switch (except 60VHBXB-HW)
* 120V motor - 24V control
* Compatible with single or 2-stage condensers

NOTE:

(1) Only compatible with heat pumps that energize the reversing valve in the cooling mode.



VHBQB (Variable Speed)

Upflow / Horizontal Air Handler

Heat Pump or DX - With Hot Water Heat

With Multi-Function Microprocessor

MODEL	NOM. CLG. (TONS)	BTUH (HEAT)	DIMENSIONS (H X W X D)	EST. SHIP. WT.
24VHBQB R410 TXV	2.0 / 1.5	34,900	40 X 20 X 20	155
36VHBQB R410 TXV	3.0 / 2.5	46,700	42 X 20 X 23	172
48VHBQB R410 TXV	4.0 / 3.5	65,800 60,800	48 X 21-1/4 X 28	232
60VHBQB R410 TXV	5.0	90,700	52 X 25-1/4 X 28	290

NOTES:

1. BTUH (heat) is calculated at 140° EWT.

2. Freeze protector (field installed) - turns pump on when heating coil temperature drops below 38 degrees. Order part #941-1

Features:

* **High efficiency, variable speed motor**
* **Automatic pump timer**
* **Blower delays**
* Factory installed R-410A TXV
* Installed circulating pump
* Easy access check valve
* Installed manual air purge valve
* Blower door safety switch (except 60VHBQB)
* Factory installed filter
* Primary and secondary drains
* 120V motor - 24V control
* Slide out hot water coil assembly
* Installed upflow / horizontal drain pan
* Compatible with single or 2-stage condensers

NOTE:

(1) Only compatible with heat pumps that energize the reversing valve in the cooling mode.



V_HBX (Variable Speed)

Upflow / Horizontal Air Handler

Heat Pump or DX - With Electric Heat

Features:

* **High efficiency, variable speed motor**
* Factory installed R-410A TXV
* Extra high efficiency "A" coil
* Circuit breaker service switch (over 10 kW)
* Factory installed electric heat (except 0 kW)
* Primary and secondary drains
* Factory installed filter
* Installed upflow / horizontal drain pan
* 240V motor - 24V control



MODEL*	NOM. CLG. (TONS)	kW (HEAT)	DIMENSION (HXWXD)	EST. SHIP. WT.
24V_HBX0 R410 TXV **24V_HBX3 R410 TXV** **24V_HBX4 R410 TXV** **24V_HBX5 R410 TXV** **24V_HBX8,10 R410 TXV**	2.0 / 1.5	0 3 4 5 8,10	40 X 20 X 20	143
36V_HBX0 R410 TXV **36V_HBX5 R410 TXV** **36V_HBX8,10 R410 TXV** **36V_HBX15 R410 TXV**	3.0 / 2.5	0 5 8,10 15	42 X 20 X 23	165
48V_HBX0 R410 TXV **48V_HBX8,10 R410 TXV** **48V_HBX15 R410 TXV** **48V_HBX20 R410 TXV** **48V_HBX25 R410 TXV**	4.0 / 3.5	0 8,10 15 20 25	48 X 21-1/4 X 28	205
60V_HBX0 R410 TXV **60V_HBX8,10 R410 TXV** **60V_HBX15 R410 TXV** **60V_HBX20 R410 TXV** **60V_HBX25 R410 TXV**	5.0	0 8,10 15 20 25	48 X 21-1/4 X 28	235

NOTES:

1. For 3.5 ton applications use model 48VHBX and field convert fan motor to low speed

2. Counterflow conversion kits (contact factory)

* For models that energize reversing valve in the cooling mode, insert "O".
Example: 24VOHBX0 R410 TXV

For models that energize reversing valve in the heating mode, insert "B".
Example: 24VBHBX0 R410 TXV

HWC

Vertical / Horizontal

Hot Water Duct Coil (Cased)

Features:

* Copper tube, aluminum fin heating coil
* Can be installed in new or existing ductwork
* Separate flow control module available
* Completely insulated cabinet with duct flanges
* Manual air vent

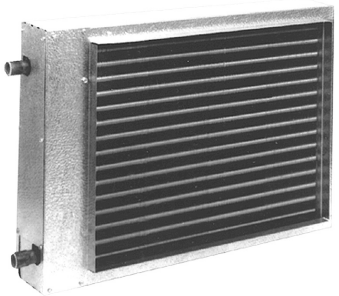
MODEL	CFM RANGE	BTUH (HEAT)	DIMENSIONS (H X W X D)	EST. SHIP WT.
HWC1520	800-1200	38,300	17 X 3-7/8 X 24-1/4	20
HWC2025	1400-1800	56,000	22 X 3-7/8 X 29-1/4	31
HWC2030	1800-2200	64,000	22 X 3-7/8 X 34-1/4	33

NOTES:

1. BTUH (heat) is calculated at 3.0 GPM and 140° EWT.

2. Freeze protector (field installed) - turns pump on when heating coil temperature drops below 38 degrees. Order part #941-1.

2. Contact factory for boiler applications





940-3 CV (optional)

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Ceiling Access Panels (Standard)

PANEL NUMBER	FOR FIRST CO. FAN COIL MODEL	DESCRIPTION	FRAME DIMENSIONS (OPENING)		FRAME DIMENSIONS (OUTSIDE)		EST. SHIP. WT.
965 965-1	18-24HX(-C), 3-6(P)HBC, 3-8(P)HH, 36(PHYX	LOUVERED NON-LOUVERED	24-1/2	40	27-1/2	43	18
966 966-1	18/19CDX-HW(Q)(HO) (-C), 20, 25/30HX(-C), 8(P)HBC, 10(P)HH	LOUVERED NON-LOUVERED	24-1/2	46	27-1/2	49	20
967 967-1	20, 24/25CDX-HW(Q)(HO)(-C), 31/36HX(-C), 10(P)HBC, 12(P)HH	LOUVERED NON-LOUVERED	24-1/2	52-1/2	27-1/2	55-1/2	22
967-4 967-5	13(P)HBC	LOUVERED NON-LOUVERED	24-1/2	67-1/8	27-1/2	70-1/8	30
967-6 967-7	26, 30/31CDX-HW(Q)(HO)-C, 37HX(-C)	LOUVERED NON-LOUVERED	24-1/2	60	27-1/2	63	30
967-8 967-5	32-37CDX-HW(Q)(HO)-C	LOUVERED NON-LOUVERED	24-1/2	67	27-1/2	70	30



LOUVERED (default style)
(965, 966, 967, 967-4,
967-6, 967-8)



NON-LOUVERED
(965-1, 966-1, 967-1, 967-5, 967-7)

Features:

* Panels are surface mount . . . they don't have to perfectly match the opening
* Attractive baked on white epoxy coating (can be field painted)
* Filter clips are provided on louvered models to accept 20 x 20 filter (except 967-4, which has a 10 x 65 x 1 factory installed filter)
* Hinged panel can be reversed for better clearance
* All panels have "captive" door screws

Ceiling Access Panels (IAQ)



DIMENSIONS AND FAN COIL MATCH						
IAQ PANEL #	PANEL FRAME DIMENSIONS	FOR HX / HXX FAN COILS		FOR CDXQ / CDX-HW FAN COILS		ACCEPTS FILTER SIZE (2 req'd)
		CASE #	UNIT MODEL	CASE #	UNIT MODEL	
965-M8	43 X 27-1/2	9EHX01	18-24HX(X)			20 X 30 X 1 (1)
966-M8	49 X 27-1/2	9EHX02	20HX(X), 25HX(X), 30HX	9ECDX01	18, 19CDXQ / CDX-HW	20 X 20 X 1 (2)
967-M8	55-1/2 X 27-1/2	9EHX03	23HX(X), 31HX(X), 36HX	9ECDX02	20, 24, 25CDXQ / CDX-HW	20 X 20 X 1 (2)
967-6-M8	63 X 27-1/5	9EHX04	32HX(X), 37HX(X)	9ECDX03	23, 30, 31CDXQ / CDX-HW	20 X 25X 1 (2)
967-8-M8	70 X 27-1/2			9ECDX04	32, 36, 37CDXQ / CDX-HW	20 X 30 X 1 (2)

NOTES:

1. These panels are only approved for use with the listed First Co. Cased or Uncased ceiling fan coils.
2. Filters are not shipped with these panels. They must be field supplied (see notes 2 and 3 under pressure drop chart).
3. First Co. recommends replacing these filters every month, or more frequently if necessary.

Thermostats and Accessories

PART NO.	VOLT.	DESCRIPTION	MANUFACTURE	MANUFACT. NUMBER	FOR USE WITH
T334	24	HEAT/COOL W/SUBBASE	COLUMBUS ELEC.	- - -	CDX-HW,HBQB,MBE,HX(C),RAQ,VAQ,UCQB
310-E301	120/24	RELAY/TRANSFORMER	- - -	- - -	MOST 120V FAN COILS
310-E302	220/24	RELAY/TRANSFORMER	- - -	- - -	MOST 240V FAN COILS
310-E303	277/24	RELAY/TRANSFORMER	- - -	- - -	MOST 277V FAN COILS
T4071	120/240/277	AQUASTAT	- - -	- - -	MOST 120V FAN COILS
919-1	- - -	EXTENDED DRIP LIP	- - -	- - -	HBC,HH,PHBC,CHBC,RHBC SERIES
T630	24	DIGITAL WALL STAT (STRAIGHT COOL ONLY)	- - -	- - -	MOST 24V CONTROL PRODUCTS, NON HEAT PUMPS
T621HP	24	DIGITAL WALL STAT (HEAT PUMP W/EMERGENCY HEAT)	- - -	- - -	WMHP, SPXR-HP
T62200NC	24	PROGRAMMABLE (5-2)	- - -	- - -	MOST 24V CONTROL PRODUCTS Heat Pump and Straight Cooling
T832	24	PROGRAMMABLE TOUCHSCREEN	- - -	- - -	MOST 24V CONTROL PRODUCTS (AND VARIABLE SPEED)
SS3	24	CONDENSATE FLOAT SWITCH	- - -	- - -	VARIOUS

TXV KITS

FAN COIL TXV KITS (FOR ALL EXCEPT "M" "H" AND "VH" AIR HANDLERS)	
Expansion Valve Kits (field installed) (cooling only or heat pump)	
PART NUMBER	**FITS SIZES**
R410A	
9EVR410-1	18 - 37
9EVR410-2	48 / 60
FAN COIL TXV KITS (FOR ALL "M" AND "H" AIR HANDLERS)	
Expansion Valve Kits (field installed) (cooling only or heat pump)	
PART NUMBER	**FITS SIZES**
R410A	
9EVR410-3	18 / 24
9EVR410-4	30 / 36
9EVR410-5	48 / 60

NOTES:

1. All expansion valve kits are approved for both cooling only (non-heat pump) and heat pump applications.
2. Valves are external equalizing, internal bleed.
3. Valves have screw-on connections.