

WITH ECM MOTOR!!



NEW MODEL
ADDED (38)

UCX Series

Wall / Closet Air Handlers
1.5 - 3.0 Tons Cooling or Heat Pump
Up to 10 kW Electric Heat



Unit shown with louvered wall panel
(Recessed wall application)



Unit shown without wall panel
(Closet application - Front Return Air)



Unit shown with bottom return air cover
(Closet application - Bottom Return Air)

These upflow air handlers are designed for use with today's higher efficiency split-system condensing units and heat pumps. All **UCX** fan coils include a standard ECM motor. These motors offer the efficiency of a variable speed type ECM motor, but at a considerably lower cost.

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

The **UCX** can be installed on a closet platform, hung on a closet wall, or recessed in a wall between the studs.

The cabinet is made of galvanized steel and is fully insulated. The condensate pan is sloped to ensure proper drainage. For installation flexibility, drain piping can exit the bottom, front, left, or right side of the cabinet.

New Feature: - The removable door of the optional wall panel now includes "captive screws" that won't fall out when the door is removed for service or filter change.

Standard Features:

- **High efficiency standard ECM motor**
- Factory installed disconnect
- 240V motor, 24V controls
- Factory or field installed R-410A TXV (non-bleed type) (cooling or heat pump operation).
- Separate compartment for drain connections
- Easily accessible 1" throwaway filter

Optional Features: (see Page 4)

Optional accessories include field installed Heater Kits (only for 0kW models) , factory or field installed TXV Kits (non-bleed type), Wall Panels with Captive Screws, Condensate Overflow Switch, Closet Hanger Bracket Kit, and Bottom Return Air Kit

UCX Series

(See P. 3 for Model Numbers)



PERFORMANCE DATA																
UNIT MODEL	NOM. CFM	NOM. COOL BTUH	ELECTRIC HEAT CAPACITY				TOTAL AMPS		MIN. AMPACITY		MAX. OVERCURRENT PROTECTION					
			KW		BTUH		240V	208V	240V	208V						
			240V	208V	240V	208V										
19UCX 20UCX	0-HK	600	18000	0	0	0	0	2.0	2.0	3	3	15	15			
	2			1.5	6824	5118	11.13	10.01	14	13	15	15				
	3			2.3	10236	6824	15.30	13.61	20	18	20	20				
	4			3.0	13648	10236	19.47	17.22	25	22	25	25				
	5			3.8	17061	13648	26.63	20.83	30	27	30	30				
	6			4.5	20473	15355	27.80	24.43	35	31	35	35				
	8			6	27297	20473	36.13	31.65	46	40	50	40				
	10			7.5	34121	25591	44.47	38.86	56	49	60	50				
	25UCX 26UCX			0-HK	800	24000/ 18000	0	0	0	0	2.8	2.8	4	4	15	15
				2			1.5	6824	5118	11.13	10.01	14	13	15	15	
3		2.3	10236	6824			15.30	13.61	20	18	20	20				
4		3.0	13648	10236			19.47	17.22	25	22	25	25				
5		3.8	17061	13648			23.63	20.83	30	27	30	30				
6		4.5	20473	15355			27.80	24.43	35	31	35	35				
8		6	27297	20473			36.13	31.65	46	40	50	40				
10		7.5	34121	25591			44.47	38.86	56	49	60	50				
31UCX		0-HK	1000	30000/ 24000			0	0	0	0	3.0	3.0	6	6	15	15
		2					1.5	6824	5118	12.43	11.31	16	15	20	15	
	3	2.3			10236	6824	16.60	14.92	21	19	25	20				
	4	3.0			13648	10236	20.77	18.52	26	24	30	25				
	5	3.8			17061	13648	24.93	22.13	32	28	35	30				
	6	4.5			20473	15355	29.10	25.73	37	33	40	35				
	8	6			27297	20473	37.43	32.95	47	42	50	45				
	10	7.5			34121	25591	45.77	40.16	58	50	60	50				
	32UCX 37UCX 38UCX	0-HK			1200	36000/ 30000	0	0	0	0	4.5	4.5	8	8	15	15
		2					1.5	6824	5118	14.33	13.21	18	17	20	20	
3		2.3	10236	6824			18.350	16.82	24	22	25	25				
4		3.0	13648	10236			22.67	20.42	29	26	30	30				
5		3.8	17061	13648			26.83	24.03	34	31	35	35				
6		4.5	20473	15355			31.00	27.63	39	35	40	35				
8		6	27297	20473			39.33	34.86	50	44	50	45				
10		7.5	34121	25591			47.67	42.06	60	53	60	60				

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.

UNIT MODEL	NOM. COOLING BTUH	MOTOR SPEED TAP CONNECTION	
		HIGH SPD (GRN LEAD)	LOW SPD (WHT LEAD)
19/20UCX	18,000	4	3
	24,000	3	2
25/26UCX	18,000	3	2
	24,000	4	3
31UCX	24,000	3	2
	30,000	4	3
32UCX	24,000	2	1
	30,000	3	2
37UCX	30,000	4	3
	36,000	5	4
38UCX	30,000	3	2
	36,000	4	3

NOTES:

- (1) 0 - 10 kW is available for ALL UCX models

PERFORMANCE DATA									
UNIT MODEL	MOTOR HP	FAN SPEED TAP	MOTOR BHP	NOM. AMPS	CFM VS. EXTERNAL STATIC PRESSURE				
					0.10	0.20	0.30	0.40	0.50
19UCX 20UCX	1/3	5	0.23	1.9	780	760	730	690	650
		4	0.16	1.2	620	590	560	530	500
		3	0.13	1.0	560	520	480	450	420
25UCX 26UCX	1/3	5	0.33	2.4	850	810	770	730	690
		4	0.25	2.1	780	750	720	690	660
		3	0.19	1.5	680	640	610	580	550
31UCX	1/2	4	0.50	2.8	940	900	860	820	780
		3	0.37	2.6	930	890	820	810	770
		2	0.27	2.0	810	790	770	750	730
32UCX	3/4	4	0.41	2.9	1180	1140	1100	1050	990
		3	0.35	2.5	1090	1060	1030	1000	960
		2	0.25	1.5	860	830	800	770	740
37UCX	3/4	5	0.75	3.9	1330	1270	1210	1150	1090
		4	0.41	3.1	1180	1150	1120	1090	1050
		3	0.33	2.3	1040	1010	990	950	910
38UCX	3/4	5	0.53	3.5	1330	1310	1290	1270	1250
		4	0.47	2.8	1230	1210	1190	1180	1170
		3	0.38	2.1	1090	1070	1050	1030	1010
		2	0.34	1.8	1030	990	960	940	930

NOTES:

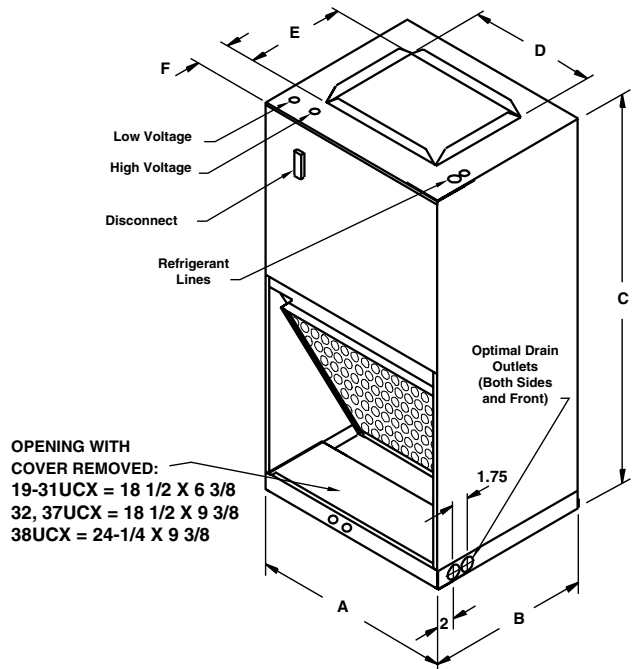
- Shaded rows are factory preset speeds.
- Cooling = High Speed, Heating = Low Speed
- Contact factory for correct matches with outdoor units.
- Approved for installation with "0" clearance to combustible material.
- Add nominal .05 static if wall panel is used.

PHYSICAL DATA

UNIT MODEL	A	B	C	D	E	F	FILTER SIZE	LIQUID LINE	SUCTION LINE
19-25UCX	22-1/8	15-1/8	40	14	10-1/2	3-5/8	18 X 18	3/8 O.D.	5/8 O.D.
26, 31UCX	22-1/8	15-1/8	40	14	10-1/2	3-5/8	18 X 20	3/8 O.D.	3/4 O.D.
32, 37UCX	22-1/8	18-1/8	43	14	13	3-5/8	18 X 24	3/8 O.D.	3/4 O.D.
38UCX	28-1/8	21	46	16-1/2	13	7-1/2	24 x 24	3/8 O.D.	7/8 O.D.

NOTES:

- 1. Coil connections are sweat



UCX Series

MODEL NUMBERS:

MODEL SIZE (BTU)	MODEL (PISTON)	MODEL (R410A TXV)
18,000	19UCX(_)	19UCX(_) R410 TXV
18,000	20UCX(_)	20UCX(_) R410 TXV
24,000 / 18,000	25UCX(_)	25UCX(_) R410 TXV
24,000 / 18,000	26UCX(_)	26UCX(_) R410 TXV
30,000 / 24,000	31UCX(_)	31UCX(_) R410 TXV
30,000 / 24,000	32UCX(_)	32UCX(_) R410 TXV
36,000 / 30,000	37UCX(_)	37UCX(_) R410 TXV
36,000 / 30,000	38UCX(_)	38UCX(_) R410 TXV

All models are approved for cooling only or heat pump operation (non-bleed type).

(_) = kW HEAT (0-HK = NO HEAT)

NOTE:

1. Expansion valve requirement depends on the selected outdoor unit.
Go to: www.firstco.com or contact the factory for assistance.
2. For field installed TXV order "Piston" model and TXV kit #9EVR410-1 (see P.4)

(See P. 4 for Optional Accessories)

UCX Series

OPTIONAL ACCESSORIES (ALL FIELD INSTALLED)					
DESCRIPTION	PART #			DIMENSIONS	
	18-31UCX	32-37UCX	38UCX	(OUTSIDE FRAME)	(INSIDE FRAME)
WALL PANEL (1)	9PWUC01L	9PWUC02L	9PWUC04L	43-3/8 X 25-5/8	40-3/8 X 22-5/8
				46-3/8 X 25-5/8	43-3/8 X 22-5/8
				52-1/2 X 31-5/8	49-1/2 X 28-5/8
HANGER BRKT SET	90PK3	90PK3	90PK31	1-3/4 X 22-1/8	---
				1-3/4 X 27-15/16	---
BOTTOM RETURN AIR KIT	90PK4	90PK5	90PK51	19-13/16 X 22	---
				20-7/16 X 22	---
				20-5/8 X 28	---
3kW HEATER KIT (2)	9EHUC1-203 (2)	9EHUC2-203 (2)	9EHUC2-203 (2)		
5kW HEATER KIT (2)	9EHUC1-205 (2)	9EHUC2-205 (2)	9EHUC2-205 (2)		
6kW HEATER KIT (2)	9EHUC1-206 (2)	9EHUC2-206 (2)	9EHUC2-206 (2)	---	---
8kW HEATER KIT (2)	9EHUC1-208 (2)	9EHUC2-208 (2)	9EHUC2-208 (2)		
10kW HEATER KIT (2)	9EHUC1-210 (2)	9EHUC2-210 (2)	9EHUC2-210 (2)		
CONDENSATE OVERFLOW KIT	SS3	SS3	SS3	---	---



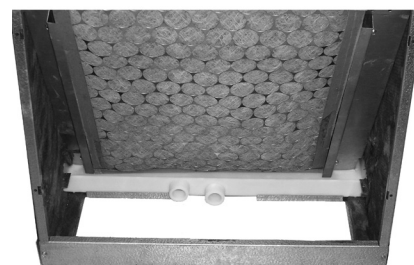
Optional wall panel
(Recessed wall application)

NOTES:

1. Dimensions for wall panels are the outside of the panels. Inside "Opening" dimensions are approximately 3" less than shown.
2. Heater kits are only approved for installation in the "O-HK" models. Heater kits are not approved for UCX units that already contain factory installed heaters.



Condensate Overflow Switch
#SS3



Condensate drain connections
(With drain access cover removed)
(Male connections shown)

EXPANSION VALVE KITS (Heat Pump or cooling only) (FIELD INSTALLED)		
PART NO.	TYPE	FOR
9EVR410-1	R410A	19 - 38UCX (1-1/2 - 3 TON)

NOTES:

1. Above expansion valve kits are approved for both cooling only (non heat pump) or heat pump applications.
2. Valves are non-bleed type. Field added. Hard start kit may be required.
3. Valves mount inside unit cabinet.



Unit shown with optional
bottom return air kit
(#90PK4 or #90PK5)