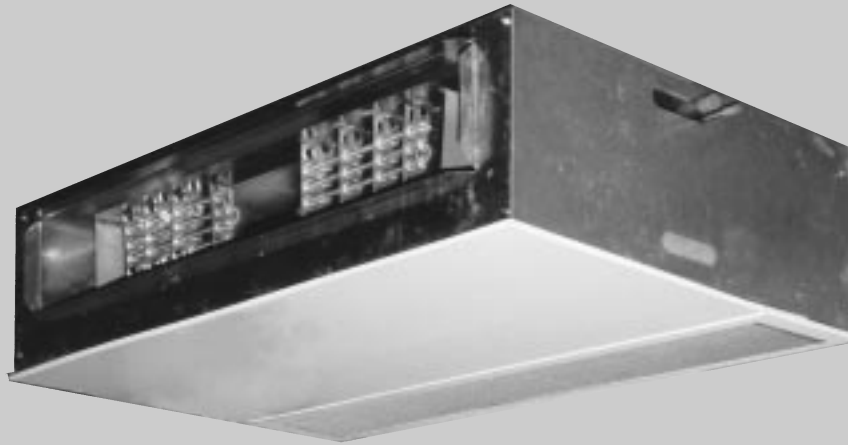


### HORIZONTAL CASED FAN COIL UNITS

1.5 THROUGH 3 TON SIZES



### STANDARD FEATURES

- Heavy Gauge Insulated Cabinets
- Refrigeration Lines are Stubbed Out of the Cabinet Left Hand Standard Looking at Rear of Unit. Right Hand Optional.
- DX Coils have Copper Tubes and Aluminum Fins
- Energy Saving Motors for Reduced Operating Costs
- Every Unit ETL Listed for 0" Clearance
- High Density Insulation of this Fully Cased Series Eliminates the Need for Sealed Furr Down
- Primary and Secondary Drains are Located on Same Side. Condensate Pan Field Reversible.
- 1" Throw Away Filter Standard
- For Heat Pump Application  
\*Contact factory for compatibility with specific heat pump models
- As standard equipment, each CCX series unit is equipped with Direct Drive 230V single phase motor and includes 24V control transformer (class 2) and fan relay. All hot water heating units are equipped with Direct Drive 115V single phase motors and include 24V control transformer and fan relay.
- Optional Hinged Ceiling Access Panel providing Ample Return Air and Access to Filter with Easy Servicing by One Person
- Optional Electric Heat 240/1 (Derated for 208/1).
- Optional Hot Water Heating Coil.



**MAGIC AIRE CCX SERIES FAN COILS ARE ETL LISTED IN ACCORDANCE WITH UL 1995 AND ARE ASSEMBLED TO ORDER FOR COMPETITIVE DELIVERY.**

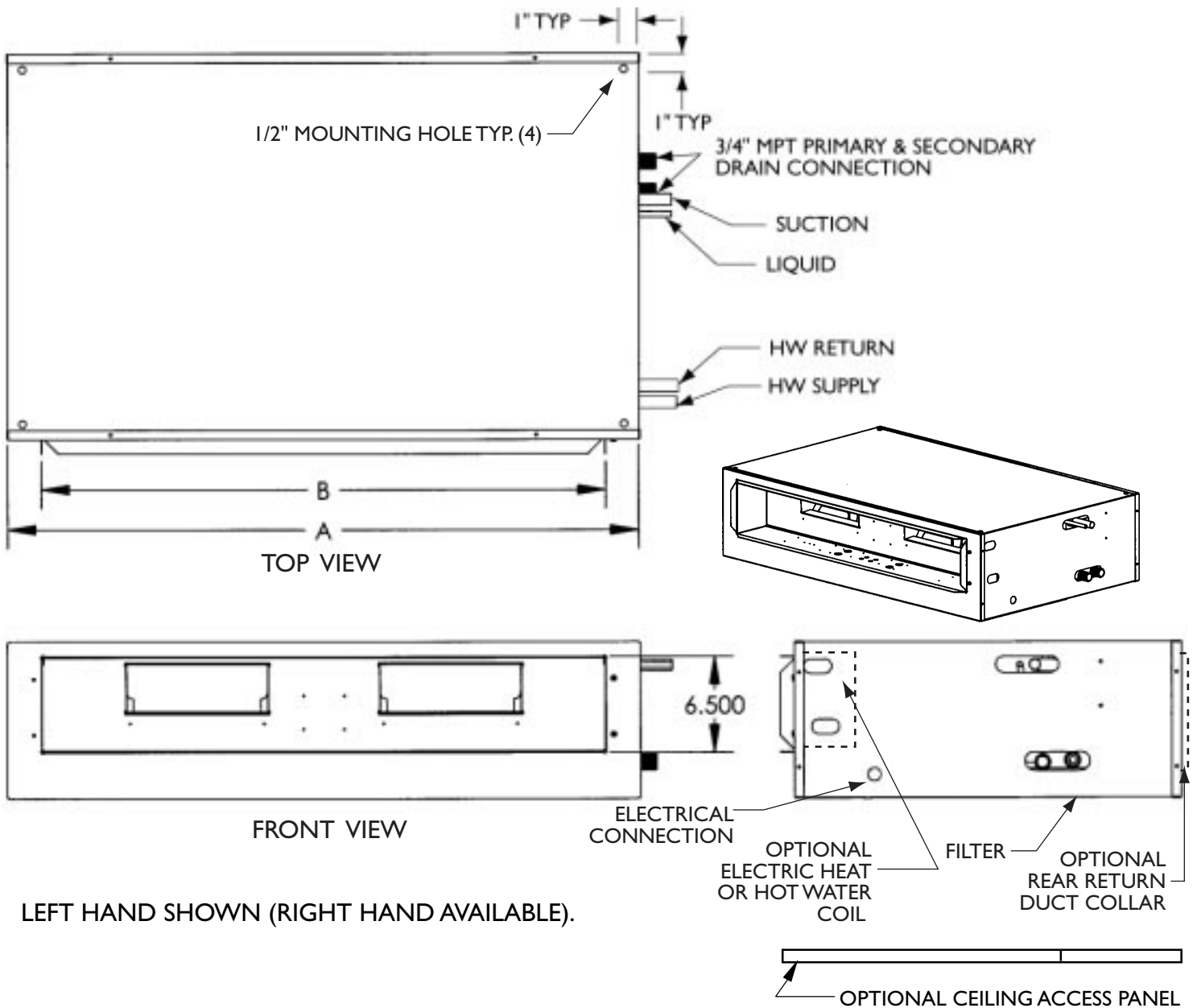
United Electric Co., L.P. • 501 Galveston • Wichita Falls, TX 76301 • 940-397-2100 • Fax: 940-397-2166

# Magic Aire®

## CCX

**CCX:** DX OR HIGH EFFICIENCY COOLING WITH OR WITHOUT ELECTRIC OR HOT WATER HEAT

HEAT PUMP OR HIGH EFFICIENCY HEAT PUMP COOLING/HEATING WITH OR WITHOUT SUPPLEMENTAL OR EMERGENCY ELECTRIC HEAT



LEFT HAND SHOWN (RIGHT HAND AVAILABLE).

MODEL	SUCTION LINE	LIQUID LINE	A	B	SHIPPING WT.#	FILTER
018-CCX	5/8	3/8	35	30	83	8x30x1
024-CCX	5/8	3/8	43	38	98	8x38x1
030-CCX	5/8	3/8	43	38	107	8x38x1
036-CCX	5/8	3/8	55	50	130	8x50x1



## CCX Series Electrical Data

Model #	Motor FLA	KW Heat @ 120 VAC	KW Heat @ 208 VAC	KW Heat @ 240 VAC	Miniumum Circuit Ampacity @ 120 VAC	Maximum Fuse Size @ 120 VAC	Miniumum Circuit Ampacity @ 208 VAC	Maximum Fuse Size @ 208VAC	Miniumum Circuit Ampacity @ 240 VAC	Maximum Fuse Size @ 240VAC
018 CCX	1.4	0	0	0	1.8	15	N/A	N/A	N/A	N/A
018 CCX *-3E	0.6	0	2.25	3	N/A	N/A	14.3	20	16.4	20
018 CCX *-4E	0.6	0	3.00	4	N/A	N/A	18.8	25	21.6	25
018 CCX *-5E	0.6	0	3.75	5	N/A	N/A	23.3	30	26.8	30
018 CCX *-6E	0.6	0	4.5	6	N/A	N/A	27.8	30	32.0	35
018 CCX *-8E	0.6	0	6.00	8	N/A	N/A	36.9	45	42.4	45
024 CCX	1.8	0	0	0	2.3	15	N/A	N/A	N/A	N/A
024 CCX *-3E	0.8	0	2.25	3	N/A	N/A	14.5	20	16.6	20
024 CCX *-4E	0.8	0	3.00	4	N/A	N/A	19.1	25	21.8	25
024 CCX *-5E	0.8	0	3.75	5	N/A	N/A	23.6	30	27.0	30
024 CCX *-6E	0.8	0	4.50	6	N/A	N/A	28.1	35	32.3	35
024 CCX *-8E	0.8	0	6.00	8	N/A	N/A	37.1	40	42.7	45
024 CCX *-10E	0.8	0	7.50	10	N/A	N/A	46.1	50	53.1	60
030 CCX	1.8	0	0	0	2.3	15	N/A	N/A	N/A	N/A
030 CCX *-3E	0.9	0	2.25	3	N/A	N/A	14.7	20	16.8	20
030 CCX *-4E	0.9	0	3.00	4	N/A	N/A	19.2	25	22.0	25
030 CCX *-5E	0.9	0	3.75	5	N/A	N/A	23.7	30	27.2	30
030 CCX *-6E	0.9	0	4.50	6	N/A	N/A	28.2	35	32.4	35
030 CCX *-8E	0.9	0	6.00	8	N/A	N/A	37.2	45	42.8	45
030 CCX *-10E	0.9	0	7.50	10	N/A	N/A	46.3	60	53.2	60
036 CCX	2.8	0	0	0	4.1	15	N/A	N/A	N/A	N/A
036 CCX *-6E	1.2	0	4.50	6	N/A	N/A	28.6	35	32.8	35
036 CCX *-8E	1.2	0	6.00	8	N/A	N/A	37.6	45	43.2	45
036 CCX *-10E	1.2	0	7.50	10	N/A	N/A	46.6	60	53.6	60

**NOTE:**

018-CCX MAXIMUM 6KW 240/I AVAILABLE.

024/030/036-CCX MAXIMUM 10KW 240/I AVAILABLE.

## Direct Expansion Cooling Capacities

**018-CCX-3**

Suct Temp	PD PSI	CFM	85 degF DB/71 degF WB				80 degF DB/67 degF WB				75 degF DB/63 degF WB			
			TTL SENS		LVG AIR		TTL SENS		LVG AIR		TTL SENS		LVG AIR	
			MBH	MBH	DB	WB	MBH	MBH	DB	WB	MBH	MBH	DB	WB
40	10.37	500	31.9	18.5	50.6	50.6	26.9	16.9	48.6	48.6	22.6	15.4	46.4	46.4
		600	34.8	20.8	52.9	52.9	29.4	19.0	50.5	50.5	24.2	17.1	48.5	48.5
		700	37.0	22.8	54.8	54.8	31.4	21.0	52.2	52.2	26.0	18.9	49.8	49.8
45	7.40	500	28.0	16.9	53.6	53.6	23.6	15.4	51.3	51.3	16.8	12.8	51.2	51.2
		600	30.6	19.1	55.4	55.4	25.0	17.1	53.4	53.4	19.5	15.1	51.6	51.6
		700	32.5	21.1	57.1	57.1	26.7	19.0	54.7	54.7	21.6	17.1	52.3	52.3
50	4.80	500	24.5	15.5	56.2	56.2	17.1	12.8	56.1	56.1	11.8	10.7	55.0	55.0
		600	25.7	17.2	58.3	58.3	19.9	15.1	56.5	56.5	13.2	12.4	55.8	55.5
		700	27.3	19.1	59.6	59.6	22.0	17.2	57.1	57.1	14.5	13.8	56.6	56.0

**024-CCX-3**

Suct Temp	PD PSI	CFM	85 degF DB/71 degF WB				80 degF DB/67 degF WB				75 degF DB/63 degF WB			
			TTL SENS		LVG AIR		TTL SENS		LVG AIR		TTL SENS		LVG AIR	
			MBH	MBH	DB	WB	MBH	MBH	DB	WB	MBH	MBH	DB	WB
40	12.98	700	37.0	22.8	54.8	54.8	31.4	21.0	52.2	52.2	26.0	18.9	49.8	49.8
		800	38.6	24.6	56.5	56.5	32.8	22.8	53.6	53.6	27.2	20.6	51.1	51.0
		900	39.8	26.3	57.9	57.8	34.1	24.4	54.9	54.7	28.5	22.2	52.2	51.9
45	9.34	700	32.5	21.1	57.1	57.1	26.7	19.0	54.7	54.7	21.6	17.1	52.3	52.3
		800	33.9	23.0	58.4	58.4	27.9	20.8	55.9	55.8	23.5	18.9	53.0	52.8
		900	35.2	24.6	59.7	59.5	29.2	22.4	56.9	56.7	23.6	20.0	54.4	54.0
50	6.15	700	27.3	19.1	59.6	59.6	22.0	17.2	57.1	57.1	14.5	13.8	56.6	56.0
		800	28.5	21.0	60.7	60.7	23.9	19.1	57.8	57.6	16.0	15.4	57.1	56.2
		900	29.8	22.6	61.7	61.5	23.9	20.2	59.2	58.8	17.8	17.1	57.3	56.3

**030-CCX-3**

Suct Temp	PD PSI	CFM	85 degF DB/71 degF WB				80 degF DB/67 degF WB				75 degF DB/63 degF WB			
			TTL SENS		LVG AIR		TTL SENS		LVG AIR		TTL SENS		LVG AIR	
			MBH	MBH	DB	WB	MBH	MBH	DB	WB	MBH	MBH	DB	WB
40	18.25	900	42.9	27.5	56.7	56.7	36.7	25.6	53.7	53.7	30.8	23.3	51.0	51.0
		1000	44.0	29.3	57.9	57.9	37.9	27.2	54.8	54.8	31.8	24.9	51.9	51.9
		1100	44.8	30.9	59.0	59.0	38.9	28.7	55.8	55.7	32.9	26.4	52.8	52.6
45	13.75	900	38.3	25.8	58.4	58.4	31.8	23.6	55.7	55.7	25.6	21.1	53.3	53.1
		1000	39.4	27.5	59.5	59.5	32.8	25.3	56.6	56.6	26.8	22.7	54.0	53.8
		1100	40.4	29.2	60.4	60.4	33.9	26.7	57.5	57.3	27.9	24.1	54.7	54.3
50	9.47	900	32.7	23.9	60.4	60.4	26.1	21.4	58.0	57.9	20.3	18.7	55.7	55.4
		1000	33.7	25.6	61.3	61.3	27.3	23.0	58.7	58.5	21.8	20.4	56.1	55.6
		1100	34.8	27.1	62.2	62.0	28.4	24.5	59.4	59.0	23.1	21.9	56.6	55.9

**036-CCX-3**

Suct Temp	PD PSI	CFM	85 degF DB/71 degF WB				80 degF DB/67 degF WB				75 degF DB/63 degF WB			
			TTL SENS		LVG AIR		TTL SENS		LVG AIR		TTL SENS		LVG AIR	
			MBH	MBH	DB	WB	MBH	MBH	DB	WB	MBH	MBH	DB	WB
40	24.58	1100	47.6	31.8	58.2	58.2	41.3	29.7	55.0	55.0	35.0	27.4	51.9	51.9
		1200	48.3	33.4	59.2	59.2	42.1	31.4	55.8	55.8	35.7	28.9	52.7	52.7
		1300	48.9	34.9	60.1	60.1	42.6	32.8	56.6	56.6	36.5	30.3	53.4	53.3
45	19.29	1100	43.3	30.3	59.5	59.5	36.4	27.9	56.5	56.5	29.7	25.2	53.8	53.7
		1200	44.0	31.9	60.4	60.4	37.1	29.4	57.3	57.3	30.7	26.7	54.4	54.2
		1300	44.6	33.5	61.1	61.1	37.9	30.9	58.0	57.9	31.6	27.9	55.1	54.7
50	13.95	1100	37.8	28.4	61.1	61.1	30.5	25.7	58.4	58.4	24.5	23.2	55.5	55.5
		1200	38.1	29.9	61.9	61.9	31.5	27.2	59.0	58.8	25.1	24.0	56.5	56.0
		1300	39.2	31.4	62.6	62.4	32.5	28.6	59.6	59.3	26.0	25.3	57.0	56.3

## Direct Expansion Cooling Capacities

**018-CCX-4**

Suct Temp	PD PSI	CFM	85 degF DB/71 degF WB				80 degF DB/67 degF WB				75 degF DB/63 degF WB			
			TTL SENS		LVG AIR		TTL SENS		LVG AIR		TTL SENS		LVG AIR	
			MBH	MBH	DB	WB	MBH	MBH	DB	WB	MBH	MBH	DB	WB
40	10.35	500	35.2	20.0	47.9	47.9	30.1	18.4	45.8	45.8	23.8	15.9	45.4	45.4
		600	39.0	22.5	50.2	50.2	34.2	21.2	47.2	47.2	27.4	18.6	46.2	46.2
		700	42.0	24.9	52.1	52.1	35.7	22.9	49.7	49.7	30.4	21.0	47.2	47.2
45	7.42	500	31.9	18.5	50.6	50.6	25.0	16.0	50.2	50.2	18.4	13.5	49.9	49.9
		600	34.6	20.7	53.0	53.0	28.7	18.7	51.0	51.0	20.7	15.5	50.9	50.9
		700	37.3	23.0	54.6	54.6	31.7	21.2	52.0	52.0	23.5	17.8	51.3	51.3
50	5.06	500	26.1	16.1	55.0	55.0	18.7	13.5	54.9	54.9	13.4	11.4	53.8	53.8
		600	29.9	18.8	55.9	55.9	21.0	15.6	55.8	55.8	15.0	13.3	54.4	54.4
		700	33.0	21.3	56.8	56.8	24.0	18.0	56.1	56.1	16.3	15.0	55.1	55.0

**024-CCX-4**

Suct Temp	PD PSI	CFM	85 degF DB/71 degF WB				80 degF DB/67 degF WB				75 degF DB/63 degF WB			
			TTL SENS		LVG AIR		TTL SENS		LVG AIR		TTL SENS		LVG AIR	
			MBH	MBH	DB	WB	MBH	MBH	DB	WB	MBH	MBH	DB	WB
40	13.29	700	42.0	24.9	52.1	52.1	35.7	22.9	49.7	49.7	30.4	21.0	47.2	47.2
		800	44.4	26.9	53.9	53.9	38.0	24.9	51.2	51.2	32.9	23.1	48.2	48.2
		900	46.2	28.8	55.4	55.4	39.7	26.7	52.5	52.5	33.1	24.3	50.0	50.0
45	9.68	700	37.3	23.0	54.6	54.6	31.7	21.2	52.0	52.0	23.5	17.8	51.3	51.3
		800	39.6	25.0	56.0	56.0	32.4	22.6	53.8	53.8	25.9	20.1	51.7	51.7
		900	41.4	26.9	57.3	57.3	34.3	24.6	54.7	54.7	27.8	22.1	52.3	52.3
50	6.90	700	33.0	21.3	56.8	56.8	24.0	18.0	56.1	56.1	16.3	15.0	55.1	55.0
		800	33.5	22.8	58.6	58.6	26.5	20.3	56.5	56.5	17.7	16.7	55.6	55.5
		900	35.3	24.8	59.5	59.5	28.4	22.3	57.0	57.0	19.1	18.2	56.2	55.8

**030-CCX-4**

Suct Temp	PD PSI	CFM	85 degF DB/71 degF WB				80 degF DB/67 degF WB				75 degF DB/63 degF WB			
			TTL SENS		LVG AIR		TTL SENS		LVG AIR		TTL SENS		LVG AIR	
			MBH	MBH	DB	WB	MBH	MBH	DB	WB	MBH	MBH	DB	WB
40	18.23	900	48.8	29.8	54.3	54.3	42.0	27.7	51.5	51.5	35.3	25.3	49.0	49.0
		1000	50.5	31.6	55.7	55.7	43.7	29.5	52.7	52.7	36.8	27.0	50.0	50.0
		1100	51.7	33.4	56.9	56.9	45.0	31.2	53.7	53.7	38.2	28.7	50.8	50.8
45	13.83	900	44.1	28.0	56.2	56.2	36.7	25.6	53.7	53.7	30.4	23.1	51.2	51.2
		1000	45.8	29.9	57.3	57.3	38.4	27.4	54.6	54.6	32.1	25.0	51.8	51.8
		1100	47.2	31.7	58.3	58.3	39.7	29.1	55.5	55.5	33.9	27.0	52.3	52.3
50	9.61	900	38.2	25.7	58.5	58.5	31.4	23.4	55.9	55.9	21.5	19.4	54.9	54.9
		1000	39.8	27.7	59.3	59.3	31.4	24.7	57.1	57.1	23.3	21.5	55.1	55.1
		1100	41.1	29.6	60.1	60.1	34.9	27.3	57.0	57.0	25.0	23.3	55.4	55.3

**036-CCX-4**

Suct Temp	PD PSI	CFM	85 degF DB/71 degF WB				80 degF DB/67 degF WB				75 degF DB/63 degF WB			
			TTL SENS		LVG AIR		TTL SENS		LVG AIR		TTL SENS		LVG AIR	
			MBH	MBH	DB	WB	MBH	MBH	DB	WB	MBH	MBH	DB	WB
40	23.56	1100	54.0	34.2	56.2	56.2	47.1	32.1	53.0	53.0	40.2	29.6	50.1	50.1
		1200	55.5	36.0	57.2	57.2	48.4	33.8	53.9	53.9	41.3	31.1	51.0	51.0
		1300	55.5	37.3	58.4	58.4	49.5	35.4	54.8	54.8	42.4	32.7	51.7	51.7
45	18.61	1100	49.7	32.7	57.5	57.5	41.9	30.0	54.7	54.7	34.4	27.2	52.1	52.1
		1200	50.9	34.3	58.5	58.5	43.2	31.7	55.5	55.5	35.5	28.8	52.8	52.8
		1300	52.1	36.2	59.2	59.2	44.3	33.4	56.2	56.2	36.5	30.3	53.4	53.4
50	13.57	1100	43.9	30.5	59.3	59.3	35.6	27.6	56.8	56.8	27.6	24.3	54.5	54.5
		1200	45.2	32.3	60.1	60.1	36.8	29.3	57.4	57.4	28.8	26.0	54.9	54.9
		1300	46.2	34.1	60.7	60.7	37.8	31.0	57.9	57.9	29.8	27.8	55.2	55.2



## CCX Fan Performance

### CCX-3 AIR FLOW PERFORMANCE CFM vs. E.S.P.

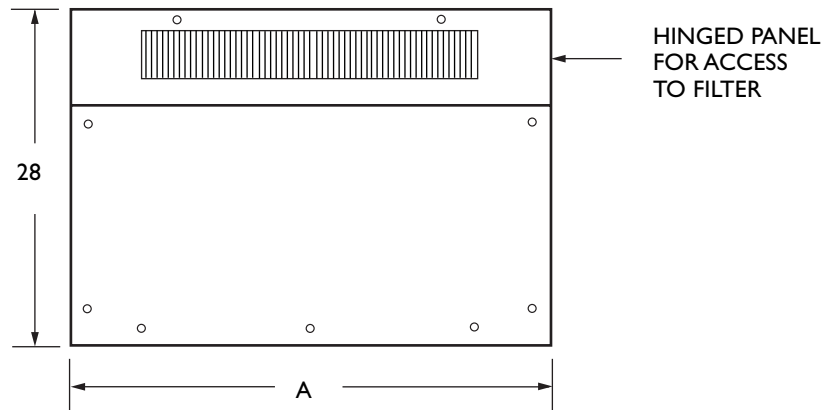
Model #	External Static Pressure, Inches W.C.				
	0	0.1	0.2	0.3	0.4
018 CCX	689	646	589	542	475
024 CCX	869	827	760	703	627
030 CCX	969	917	865	798	732
036 CCX	1150	1078	1007	922	827

### CCX-4 AIR FLOW PERFORMANCE CFM vs. E.S.P.

Model #	External Static Pressure, Inches W.C.				
	0	0.1	0.2	0.3	0.4
018 CCX	689	646	589	542	475
024 CCX	869	827	760	703	627
030 CCX	969	917	865	798	732
036 CCX	1150	1078	1007	922	827



## CCX Access Panels



UNIT SIZE	A	SOLID PANEL PART #	LOUVERED PANEL PART #
018	36.5	113003	113000
024/030	44.5	113004	113001
036	56.5	113005	113002