

US Air Conditioning Distributors Upflow/Downflow A-Coil & Horizontal A-Coil Engineering & Specification Guide



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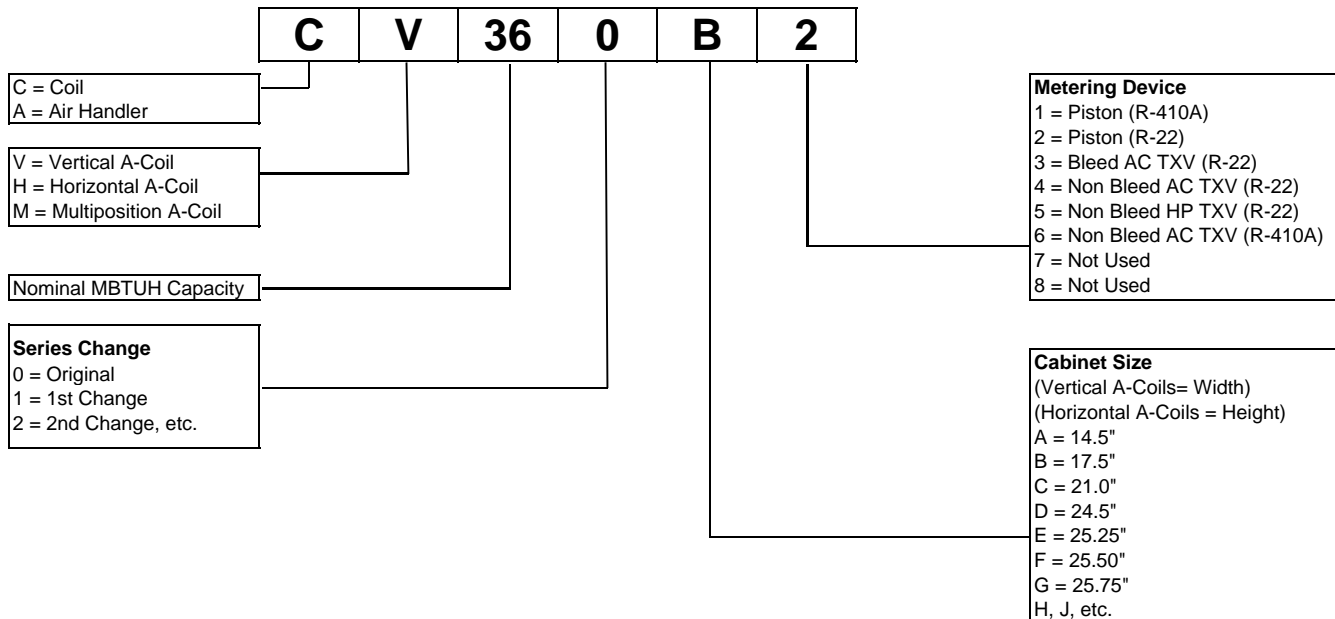


ISO 9001:2000
—Registered Quality System—



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Nomenclature



General Features

- : All coils have durable packing with bar coded labels on the box.
- : Rubber grommets around suction and liquid line reduce air leakage.
- : 5 year Limited Warranty standard, 10 year Limited Warranty available.
- : Screw-on expansion valves available factory installed or as a field installed kit
- : UV resistant drain pans are molded of high temperature (450 deg. F) engineered polymer.
- : Non-captive panels allow access to inside of cabinet without the need to cut refrigerant lines.
- : Coils have heavy gauge embossed galvanized cabinets fully lined with 5/8" foil faced insulation.
- : Microban®, antimicrobial additive and **HydroTEC™** low water retention drain pan prevent mold and mildew.
- : Coils are air pressure tested at 500 PSI, leak tested with Helium, sealed with rubber plugs and then charged with dry air.
- : Refrigerant connections are 3/8" ODF liquid and 3/4" ODF ("A" coil 18-36 MBTUH) or 7/8" ODF ("A" Coil 42-60 MBTUH & all HH Coils) suction.

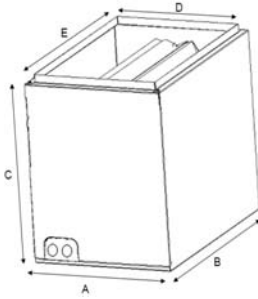
Upflow/Downflow A-Coil Features

- : Corrosion resistant coil header plates.
- : Cabinet insulation hold down tabs for easy drain pan removal.
- : All cabinets are painted to match the current York furnace color.
- : Custom USAir Conditioning Promotion Label on front panel of coil.
- : Interlocking doors reduce air leakage and allow for easy access.
- : Dual 3/4" FPT condensate drains on front-left and front-right side of drain pans.
- : Expansion valve mounted inside cabinet to prevent external sweating; bulb is clamped and wrapped for improved temperature sensing.

Horizontal A-Coil Features

- : Drain pan has trough to fully drain condensate away.
- : Easy to use filler strip, if coil dimension is larger than furnace.
- : All cabinets are of embossed 24 gauge galvanized sheet metal.
- : Refrigerant connections in center of coil away from airflow path.
- : Dedicated cutouts for each condensate drain reduce air leakage.
- : Easy to remove access panel for easy coil cleaning, (4) screws only.
- : Dual 3/4" FPT condensate drains on front and back of coil allows flexibility of placement to accommodate left or right airflow furnaces.

Upflow/Downflow A-Coil Specifications



- A = Width
- B = Depth
- C = Height (excluding top flange)
- D = Supply Opening Width: A - 1.5"
- E = Supply Opening Depth: B - 1.5"
- Return Opening Width: A - 1"
- Return Opening Depth: B - .5"

ADP Model #	Width [A]	Depth [B]	Height [C]	Pallet Qty.	Coil Weight (lbs)	CFM	⁽¹⁾ Face Vel. (fpm)	Air Pressure Drop (in WC)
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2.5 TON

CV300A3	14.25"	21.5"	16.5"	12	33	1000	375	.33
CV300A4	14.25"	21.5"	16.5"	12	33	1000	375	.33
CV300A6	14.25"	21.5"	16.5"	12	33	1000	375	.33
CV300B3	17.50"	21.5"	16.5"	8	33	1000	375	.32
CV300B4	17.50"	21.5"	16.5"	8	33	1000	375	.32
CV300B6	17.50"	21.5"	16.5"	8	33	1000	375	.32

3 TON

CV360A3	14.25"	21.5"	16.5"	12	36	1200	386	.35
CV360A4	14.25"	21.5"	16.5"	12	36	1200	386	.35
CV360A6	14.25"	21.5"	16.5"	12	36	1200	386	.35
CV360B3	17.50"	21.5"	16.5"	8	36	1200	386	.33
CV360B4	17.50"	21.5"	16.5"	8	36	1200	386	.33
CV360B6	17.50"	21.5"	16.5"	8	36	1200	386	.33
CV361A4	14.25"	21.5"	20.5"	6	46	1200	300	.37
CV361B4	17.50"	21.5"	20.5"	4	46	1200	300	.35
CV362B4	17.50"	21.5"	29.5"	4	66	1200	208	.16
CV362C6	21.00"	21.5"	27.5"	4	66	1200	208	.16
CM362B6	17.50"	21.5"	29.5"	4	72	1200	208	.16
CM363A6	14.50"	21.5"	29.5"	4	66	1200	208	.16
CM363B6	17.50"	21.5"	29.5"	4	66	1200	208	.15

4 TON

CV480B6	17.50"	21.5"	20.5"	4	46	1600	400	.35
CV480C6	21.00"	21.5"	20.5"	4	46	1600	400	.33
CV481B3	17.50"	21.5"	25.5"	4	51	1600	360	.30
CV481B4	17.50"	21.5"	25.5"	4	51	1600	360	.30
CV481C3	21.00"	21.5"	25.5"	4	51	1600	360	.28
CV481C4	21.00"	21.5"	25.5"	4	51	1600	360	.28
CV482B4	17.50"	21.5"	25.5"	4	57	1600	327	.29
CV482B6	17.50"	21.5"	25.5"	4	57	1600	327	.29
CV482C4	21.00"	21.5"	25.5"	4	57	1600	327	.31
CV482C6	21.00"	21.5"	25.5"	4	57	1600	327	.31

5 TON

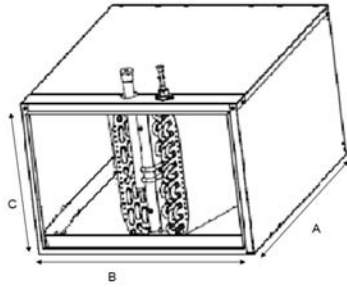
CV600C3	21.00"	21.5"	25.5"	4	57	2000	409	.42
CV600C4	21.00"	21.5"	25.5"	4	57	2000	409	.42
CV600C6	21.00"	21.5"	25.5"	4	57	2000	409	.42
CV600D3	24.50"	21.5"	25.5"	4	57	2000	409	.40
CV600D4	24.50"	21.5"	25.5"	4	57	2000	409	.40
CV600D6	24.50"	21.5"	25.5"	4	57	2000	409	.40
CV603D6	24.50"	21.5"	27.5"	4	66	2000	346	.33
CM602G6	25.75"	21.5"	29.5"	4	81	2000	286	.30
CM603D9	24.50"	21.5"	27.5"	4	72	2000	346	.30
CV602F4	25.50"	21.5"	25.5"	4	75	2000	286	.30
CV603C6	21.00"	21.5"	27.5"	4	66	2000	346	.35
CV604F6	25.50"	21.5"	27.5"	4	80	2000	264	.30

Air pressure drop data is under wet coil conditions.

*Represents Metering Device

(1) Face velocity in **Bold** above 350 ft/min. is not recommended for downflow applications due to potential water blow-off.

Horizontal A-Coil Specifications



A = Width (excluding top flange)

B = Depth

C = Height

ADP Model #	Width [A]	Depth [B]	Height [C]	Pallet Qty.	Coil Weight (lbs)	CFM	^Air Pressure Drop (in WC)
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2.5 TON

CH300A3	21.5"	21.25"	14.50"	16	50	1000	.44
CH300B3	21.5"	21.25"	17.50"	16	50	1000	.44

3 TON

CH360A3	26.5"	21.25"	14.50"	8	50	1200	.37
CH360A4	26.5"	21.25"	14.50"	8	50	1200	.37
CH360A6	26.5"	21.25"	14.50"	8	50	1200	.37
CH360B3	26.5"	21.25"	17.50"	4	50	1200	.37
CH360B4	26.5"	21.25"	17.50"	4	50	1200	.37
CH360B6	26.5"	21.25"	17.50"	4	50	1200	.37
CH362C4	26.5"	21.25"	21.00"	6	60	1200	.23
CH362C6	26.5"	21.25"	21.00"	6	60	1200	.23
CH363D4	26.5"	21.25"	24.50"	2	61	1200	.19
CH363D6	26.5"	21.25"	24.50"	2	61	1200	.19

4 TON

CH480B3	26.5"	21.25"	17.50"	4	53	1600	.39
CH480B4	26.5"	21.25"	17.50"	4	53	1600	.39
CH480B6	26.5"	21.25"	17.50"	4	53	1600	.39
CH480C3	26.5"	21.25"	21.00"	6	53	1600	.39
CH480C4	26.5"	21.25"	21.00"	6	53	1600	.39
CH480C6	26.5"	21.25"	21.00"	6	53	1600	.39

5 TON

CH600C3	26.5"	21.25"	21.00"	6	64	2000	.39
CH600C4	26.5"	21.25"	21.00"	6	64	2000	.39
CH600C6	26.5"	21.25"	21.00"	6	64	2000	.39
CH600D3	26.5"	21.25"	24.50"	2	65	2000	.39
CH600D4	26.5"	21.25"	24.50"	2	65	2000	.39
CH600D6	26.5"	21.25"	24.50"	2	65	2000	.39
CH602D4	26.5"	21.25"	24.50"	2	60	2000	.34
CH602D6	26.5"	21.25"	24.50"	2	60	2000	.34
CH603E4	31.5"	21.25"	25.25"	4	75	2000	.30
CH603E6	31.5"	21.25"	25.25"	4	75	2000	.30
CH604C6	31.5"	21.25"	21.00"	4	63	2000	.29

*Represents Metering Device

^For wet coil conversion at standard ARI conditions, use 1.3 multiplier.

Cabinet Height	14.25"	17.5"	21"	24.5"	25.25"
Supply opening (Height x Depth)	13" x 19.75"	16" x 19.75"	19.5" x 19.75"	23" x 19.75"	23.75" x 19.75"
Return opening (Height x Depth)	13.5" x 20.25"	16.5" x 20.25"	20" x 20.25"	23.5" x 20.25"	24.25" x 20.25"