

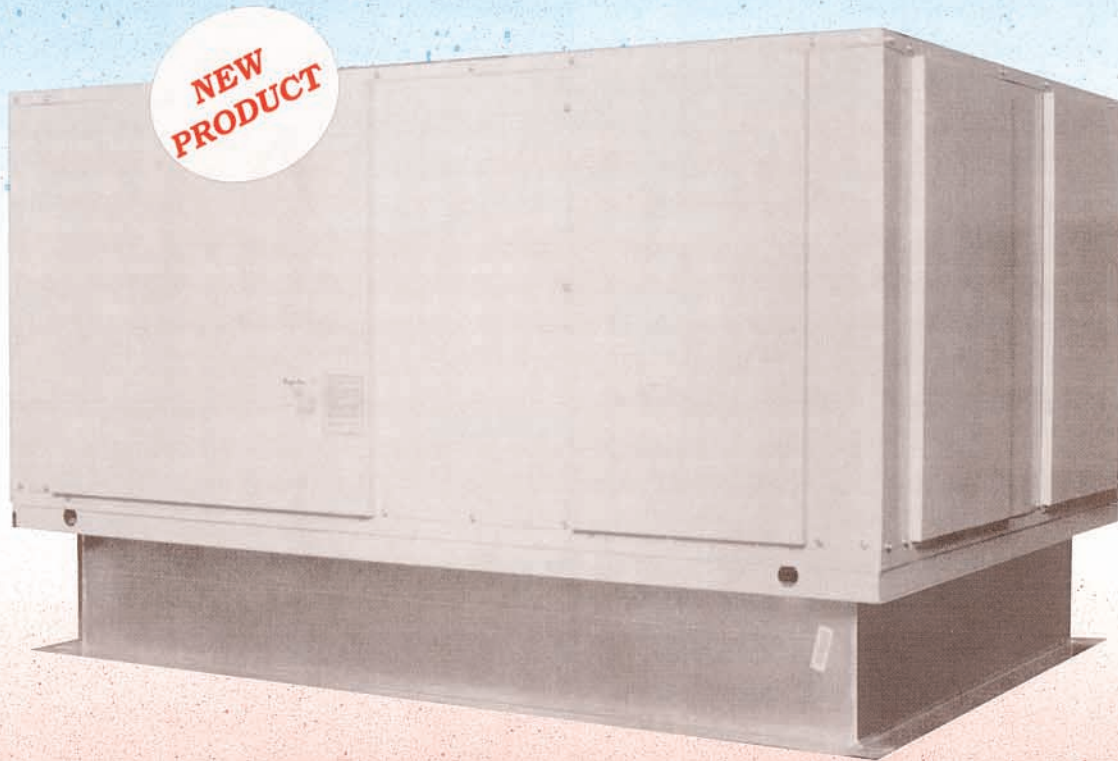


#10A
Rooftop Air Handlers
800 thru 9000 CFM

1-800-USA-COIL
(1-800-872-2645)

FAX: (610) 296-9763 • www.usacoil.com

USA Coil & Air Rooftop Air Handlers: Quality, reliability and economical; plus fast delivery.



Many jobs don't require a full-fledged Central Station Air Handling Unit. That's why USA Coil & Air developed a line of units designed specifically for the small commercial application. Whether your need is a shopping mall, restaurant, hotel or small office building, USA has the rooftop air handler you require. We've really tried to blend quality and economics into our service oriented ordering system. USA is set to meet the demands of the HVAC industry especially if you're looking for quality and reliability but your application doesn't require state-of-

the-art technology.

USA Coil & Air understands how you can get "overlooked" by the large companies in the HVAC Industry. We're not a "big" company. We've built our business by serving the smaller market where one and two units are needed. At USA we blend good service with reliable cost-effective products that we believe you are looking for. The next time you require Rooftop Air Handling equipment, call USA and you'll be surprised how easy it can be to find the right unit, at the right price and shipped on time.

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Replacement Engineering Made Easy



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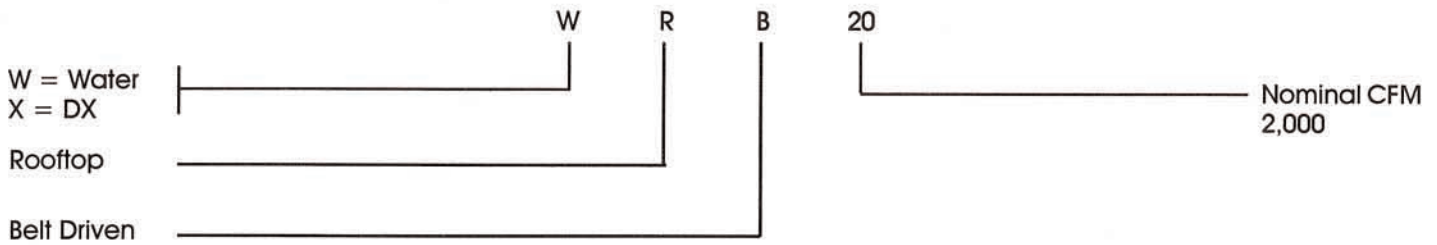
(610) 296-9668

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Rooftop Air Handling Units

Description and Features
Water/DX

MODEL NUMBER IDENTIFICATION



STANDARD UNITS

USA Coil & Air offers 8 standard models of rooftop air handling units in both chilled water or DX cooling coils. And our standard units cover the cooling range from 1 1/2

tons (600 CFM) thru 22 tons (9,000 CFM). When you require rooftop cooling units you can count on USA Coil & Air to ship quickly and efficiently.

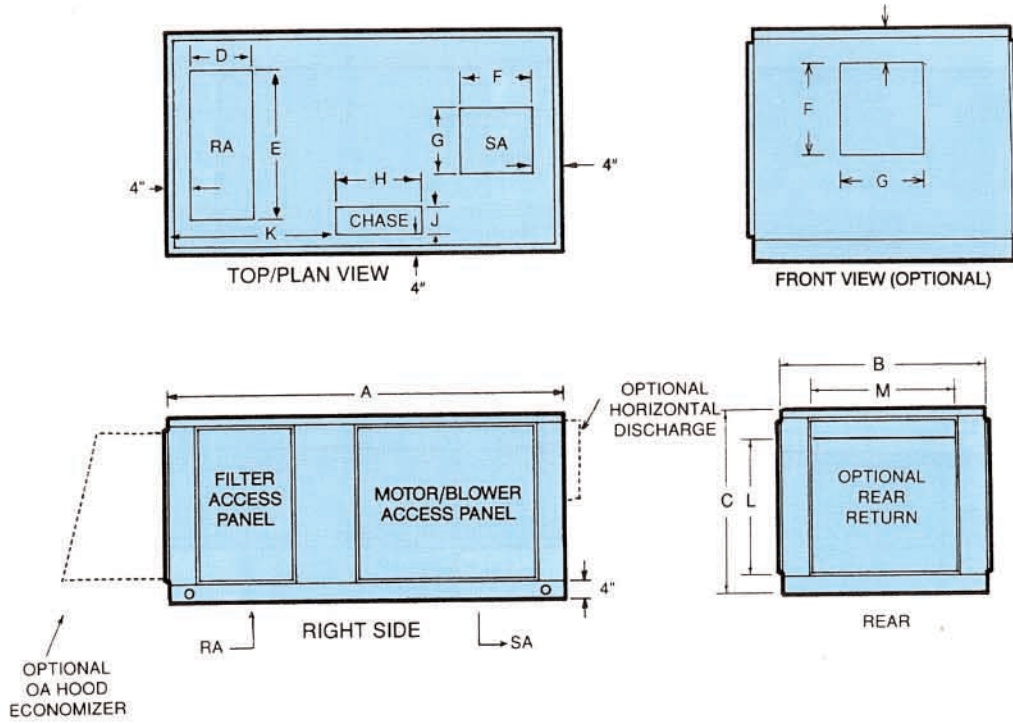
STANDARD FEATURES

1. All exposed panels are fabricated of 18 ga. galvanized steel with baked-on powder enamel coating providing maximum corrosion protection.
2. Cabinet is completely insulated with 1" - 2.2# density fiberglass insulation. Top panel includes 2" - 2.2# insulation supported by stic-clips.
3. Supply air fan is DWDI forward curve stocked in down discharge configuration with horizontal discharge optional (allow 2 weeks for conversion). All blowers mounted on isolators.
4. 200,000 hour average life ball bearings for dependable fan operation.
5. Water coils, cooling and heating, are fabricated of copper tube and aluminum fin material. Refrigerant coils, cooling only, are fabricated of rifled copper tube and lanced aluminum fin.

6. Drain pan can be field piped directly to the outside or down through the piping chase provided inside unit for areas with severe winter conditions.
7. Standard filters are 2" throwaway with 2" 30-30 pleated filters as an option.
8. Optional factory roof curb is shipped knocked down for field assembly.
9. Optional weatherhoods for 100% outside air (MOAD) or 100% full modulating economizer (BREP) complete with factory mounted and wired controls are shipped loose for field installation.
10. Optional manual minimum outside air damper (0-25%) is shipped loose for field installation.
11. Standard double wall construction - 1" closed cell insulation. Inner wall is galvanized steel.

AVAILABLE MOTORS (60Hz)

HORSE POWER	VOLTAGE/PHASE
1/4, 1/3	115/1 SPLIT PHASE
1/4, 1/3, 1/2, 1, 1 1/2, 2	115/208-230/1
1/4, 1/3, 1/2	115/1 2 SPD
3/4	230/1 2 SPD
1/4, 1/3, 1/2, 1	277/1
1/4, 1/3, 1/2, 1, 1 1/2, 2, 3, 5	208-230/460/3



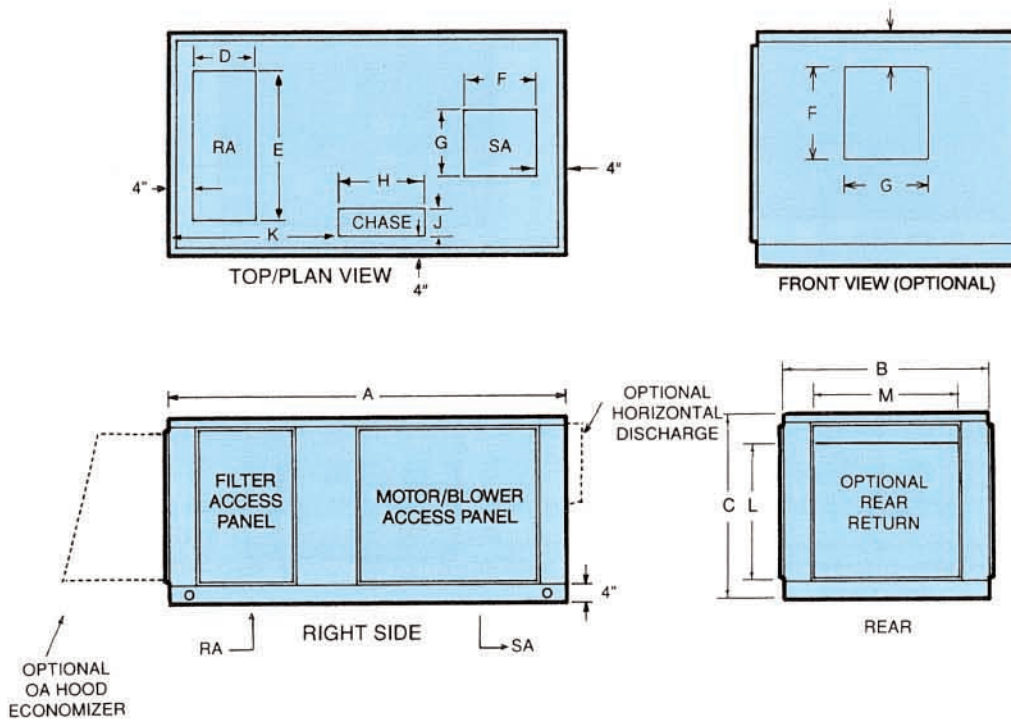
DIMENSIONS

MODEL	A	B	C	D	E	F	G	H	J	K	L	M	N*
WRB-08	67.3	39.5	21.5	12.0	26.0	11.9	8.9	10.0	6.0	34.5	14.2	28.4	1.10
WRB-12	67.3	39.5	21.5	12.0	26.0	11.9	8.9	10.0	6.0	34.5	14.2	28.4	1.10
WRB-16	72.0	48.0	25.5	14.0	34.0	14.1	9.5	10.0	6.0	34.5	19.0	36.0	1.25
WRB-20	72.0	48.0	25.5	14.0	34.0	14.1	13.4	10.0	6.0	34.5	19.0	36.0	1.25
WRB-30	75.0	53.0	40.5	14.0	44.0	16.4	13.4	15.0	8.0	41.2	23.0	46.1	11.75
WRB-40	75.0	53.0	40.5	14.0	44.0	16.4	13.4	15.0	8.0	41.2	23.0	46.1	11.75
WRB-60	75.0	53.0	53.5	14.0	44.0	16.4	19.4	15.0	8.0	41.2	33.0	46.1	24.75
WRB-80**	94.0	74.0	53.5	14.0	62.0	18.875	21.937	15.0	8.0	48.0	46.0	67.6	17.5

MODEL	NOM CAP	NOM CFM	FA SQ FT.	WATER COIL CONNECTION SIZE			FILTERS	SHIP WT. 4 ROW	SHIP WT. 6 ROW
				4 ROW	6 ROW	2 ROW			
WRB-08	2	800	2.0	3/4" OD SWT	3/4" OD SWT	5/8" OD SWT	(2) 16 X 16	280	290
WRB-12	3	1200	3.0	3/4" OD SWT	7/8" OD SWT	7/8" OD SWT	(2) 16 X 16	280	290
WRB-16	4	1600	4.0	7/8" OD SWT	1 1/8" OD SWT	7/8" OD SWT	(2) 20 X 20	315	340
WRB-20	5	2000	5.0	1 1/8" OD SWT	1 1/8" OD SWT	1 1/8" OD SWT	(2) 20 X 20	380	420
WRB-30	7.5	3000	8.1	1 3/8" OD SWT	1 5/8" OD SWT	1 1/8" OD SWT	(2) 16 X 20 (2) 16 X 25	530	550
WRB-40	10	4000	9.5	1 3/8" OD SWT	1 5/8" OD SWT	1 1/8" OD SWT	(2) 16 X 20 (2) 16 X 25	555	590
WRB-60	15	6000	12.8	1 3/8" OD SWT	1 5/8" OD SWT	1 3/8" OD SWT	(3) 16 X 20 (3) 16 X 25	710	760
WRB-80	20	8000	17.5	1 3/8" OD SWT	1 5/8" OD SWT	(2) 1 1/8" OD SWT	(4) 16 X 20 (4) 16 X 25	1210	1307

Rooftop Air Handling Units

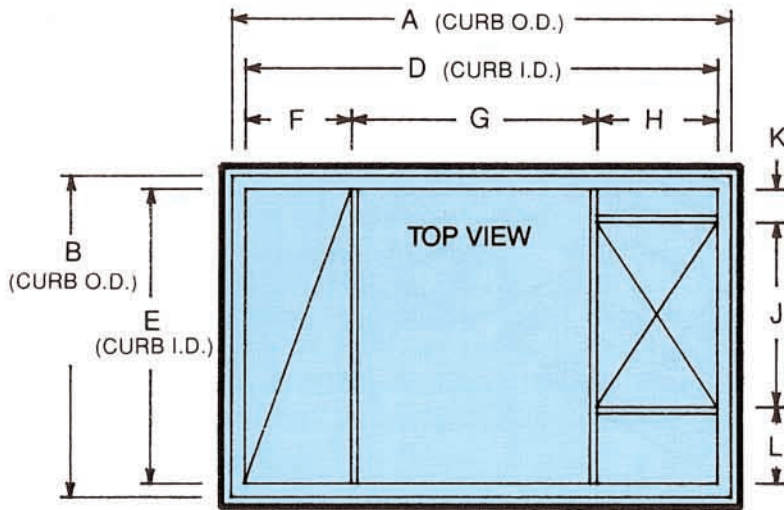
Dimensions and Specifications DX Units



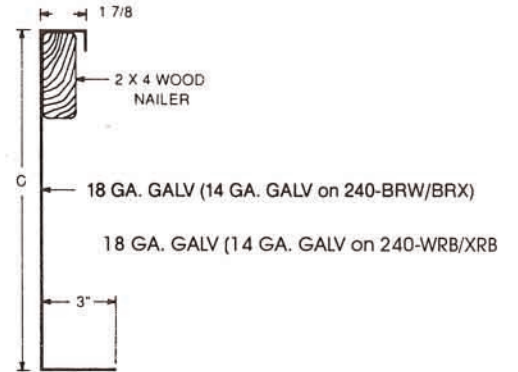
DIMENSIONS

MODEL	A	B	C	D	E	F	G	H	J	K	L	M	N*
XR8-08	67.3	39.5	21.5	12.0	26.0	11.9	8.9	10.0	6.0	34.5	14.2	28.4	1.10
XR8-12	67.3	39.5	21.5	12.0	26.0	11.9	8.9	10.0	6.0	34.5	14.2	28.4	1.10
XR8-16	72.0	48.0	25.5	14.0	34.0	14.1	9.5	10.0	6.0	34.5	19.0	36.0	1.25
XR8-20	72.0	48.0	25.5	14.0	34.0	14.1	13.4	10.0	6.0	34.5	19.0	36.0	1.25
XR8-30	75.0	53.0	40.5	14.0	44.0	16.4	13.4	15.0	8.0	41.2	23.0	46.1	11.75
XR8-40	75.0	53.0	40.5	14.0	44.0	16.4	13.4	15.0	8.0	41.2	23.0	46.1	11.75
XR8-60	75.0	53.0	53.5	14.0	44.0	16.4	19.4	15.0	8.0	41.2	33.0	46.1	24.75
XR8-80**	94.0	74.0	53.5	14.0	62.0	18.875	21.937	15.0	8.0	48.0	46.0	67.6	17.5

MODEL	NOM CAP	NOM CFM	FA SQ FT.	COIL CONNECTION SIZE			FILTERS	SHIP WT.
				LIQ. LINE	SUCT. LINE	2 ROW WATER		
XR8-08	2	800	2.0	3/8" OD SWT	3/4" OD SWT	5/8" OD SWT	(2) 16 X 16	280
XR8-12	3	1200	3.0	3/8" OD SWT	3/4" OD SWT	7/8" OD SWT	(2) 16 X 16	280
XR8-16	4	1600	4.0	1/2" OD SWT	7/8" OD SWT	7/8" OD SWT	(2) 20 X 20	315
XR8-20	5	2000	5.0	1/2" OD SWT	1 1/8" OD SWT	1 1/8" OD SWT	(2) 20 X 20	380
XR8-30	7.5	3000	8.1	5/8" OD SWT	1 1/8" OD SWT	1 1/8" OD SWT	(2) 16 X 20 (2) 16 X 25	530
XR8-40	10	4000	9.5	5/8" OD SWT	1 3/8" OD SWT	1 1/8" OD SWT	(2) 16 X 20 (2) 16 X 25	555
XR8-60	15	6000	12.8	7/8" OD SWT	(2) 1 3/8" OD SWT	1 3/8" OD SWT	(3) 16 X 20 (3) 16 X 25	710
XR8-80	20	8000	17.5	7/8" OD SWT	(2) 1 5/8" OD SWT	1 3/8" OD SWT	(4) 16 X 20 (4) 16 X 25	1210



TYPICAL TC-5 SECTION

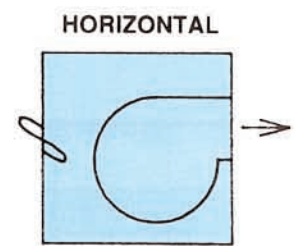
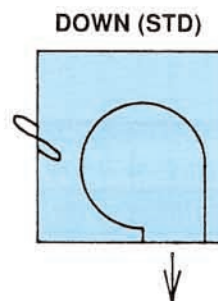
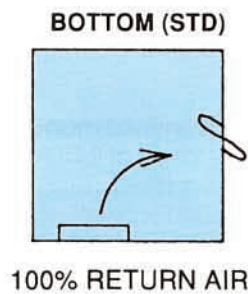
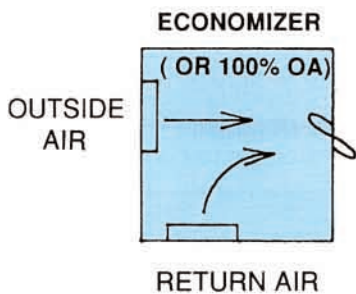


DIMENSIONS

MODEL	A	B	C	D	E	F	G	H	J	K	L
CURB-08	63.88	36.00	14.00	60.13	32.25	12.704	34.658	12.869	19.067	6.591	6.698
CURB-12	63.88	36.00	14.00	60.13	32.25	12.704	34.658	12.869	19.067	6.591	6.698
CURB-16	69.00	44.50	14.00	65.25	40.75	12.337	36.773	15.521	27.56	6.591	6.698
CURB-20	69.00	44.50	14.00	65.25	40.75	12.337	36.773	15.521	27.56	6.591	6.698
CURB-30	71.50	49.50	14.00	67.75	45.75	15.63	34.442	17.857	32.567	6.591	6.698
CURB-40	71.50	49.50	14.00	67.75	45.75	15.63	34.442	17.857	32.567	6.591	6.698
CURB-60	71.50	49.50	14.00	67.75	45.75	15.63	34.442	17.857	32.567	6.591	6.698
CURB-80	89.50	69.50	14.00	85.75	65.75	17.369	44.238	24.249	25.516	20.291	20.398

RETURN

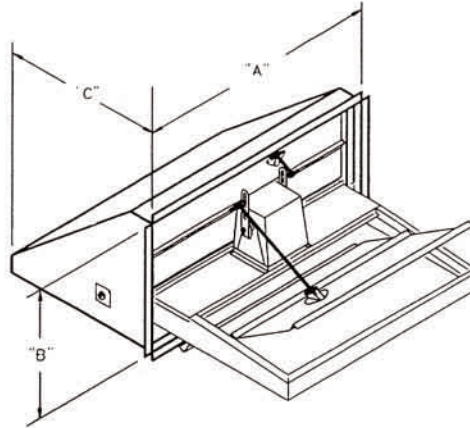
DISCHARGE



Rooftop Air Handling Units

Economizer/Manual O/A Damper-100%
Dimensions

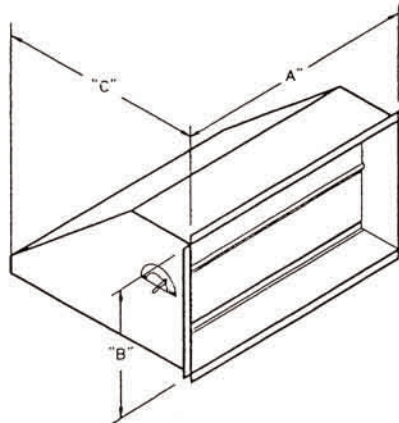
FULL ECONOMIZER PACKAGE - BOTTOM RETURN



CABINET SIZE	A	B	C	SHIPPING WT.
BECON 08/12	28.375"	14.25"	18.875"	90
BECON 16/20	36"	19"	24"	135
BECON 30/40	46.125"	23"	24"	175
BECON 60	46.125"	33.50"	36.75"	175
BECON 80	67.875"	45.75"	36.75"	200

- A. Factory wired for 208-230/3, field convert for 460/3 if required.
- B. Package includes control motor, enthalpy control, mixed air sensor, and transformer/relay for 208/230 3 ph.
- C. Built-in gravity relief damper.
- D. Moisture eliminator screen.
- E. Low-temp economizer lockout (adjustable).

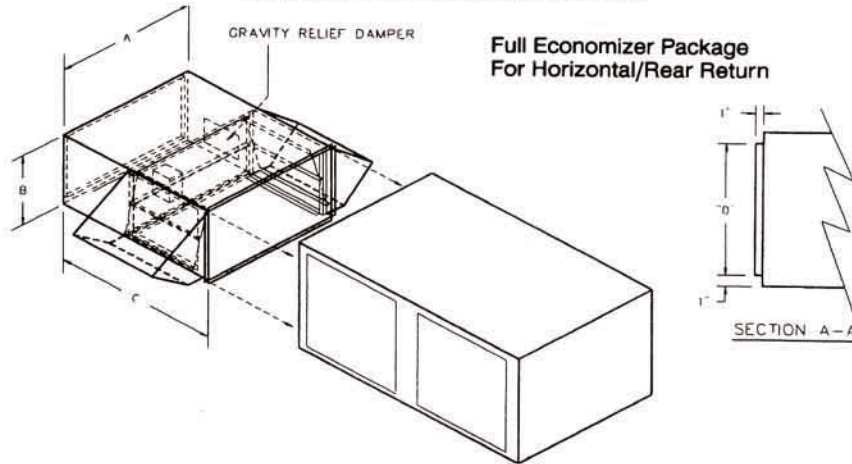
0-100% MANUAL O/A DAMPER & HOOD



CABINET SIZE	A	B	C	SHIPPING WT.
100MDAU 08/12	28.375"	14.25"	23.875"	50
100MDAU 16/20	36"	19"	26"	95
100MDAU 30/40	46.125"	23"	26"	125
100MDAU 60	46.125"	33.50"	36.75"	125
100MDAU 80	67.875"	45.75"	32.75"	145

- A. Standard manual adjustable damper.
- B. Optional 24V Actuator. Transformer to be field supplied.
- C. Bird screen included.

FULL ECONOMIZER PACKAGE FOR HORIZONTAL/REAR RETURN

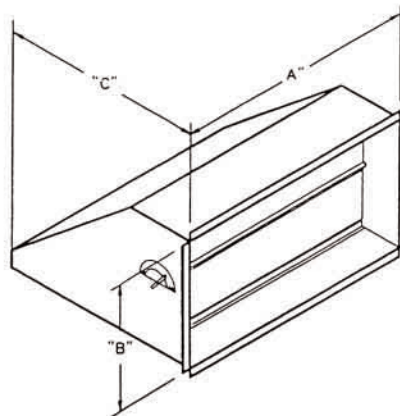


CABINET SIZE	A	B	C	D	SHIP WT.
HECON 08/12	28.4"	14.2"	42"	12.2"	120
HECON 16/20	36"	19"	42"	17"	220
HECON 30/40	46.25"	23.125"	52"	21.125"	300
HECON 60*	CONSULT FACTORY				
HECON 80*	CONSULT FACTORY				

Full Economizer Package
For Horizontal/Rear Return

- A. Factory wired for 208-230/3, field convert for 460/3 if required.
 - B. Package includes control motor, enthalpy control, mixed air sensor, and transformer/relay for 208/230 3 ph.
 - C. Built-in gravity relief damper.
 - D. Moisture eliminator screen.
 - E. Low-temp economizer lockout (adjustable).
- * New product consult factory for availability

0-25% MANUAL O/A DAMPER & HOOD



CABINET SIZE	A	B	C	SHIPPING WT.
25 MDAU 08/12	28.375"	14.25"	23.875"	50
25 MDAU 16/20	36"	19"	26"	95
25 MDAU 30/40	46.125"	23"	26"	125
25 MDAU 60	46.125"	33.50"	36.75"	125
25 MDAU 80	67.875"	45.75"	32.25"	145

- A. Standard manual adjustable damper.
- B. Bird screen included.