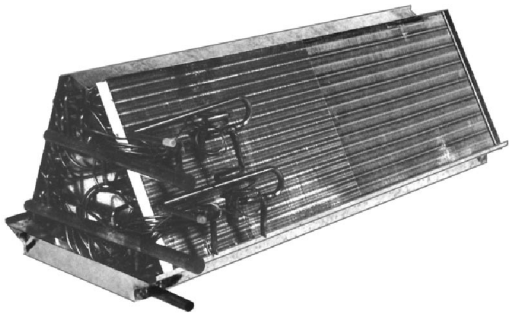
EHV / EHH SERIES
7-1/2 & 10 TON

TEMPSTAR®
Heating and Cooling Products



Coil only is shown, all models are cased coils.

VERTICAL AND HORIZONTAL DIRECT EXPANSION COILS

EHV Series Cased Coils

- Vertical Direct Expansion Dual Circuit Coil. (Can be field converted for single circuit application.)

CONSTRUCTION
- Cabinets are fabricated of heavy gauge galvanealed steel, coated inside and out with beige baked powder enamel coating before assembly.

COILS
- Constructed of rifled copper tube–aluminum fin material.

THERMAL EXPANSION VALVES
- All units standard with thermal expansion valve mounted – with side port distributors.

INSULATION
- Fully insulated with 3/4", 1–1/2 pound dual density insulation.

EHH Series Cased Coils

- Horizontal Direct Expansion Dual Circuit Coil. (Can be field converted for single circuit application.)

CONSTRUCTION
- Cabinets are fabricated of heavy gauge galvanealed steel, coated inside and out with beige baked powder enamel coating before assembly.

COILS
- Constructed of rifled copper tube–aluminum fin material.

THERMAL EXPANSION VALVES
- All units standard with thermal expansion valve mounted – with side port distributors.

INSULATION
- Fully insulated with 3/4" – 1–1/2 pound dual density insulation.

MANUFACTURER CERTIFIED TO ARI AS COMPLYING WITH CERTIFICATION SECTIONS OF ARI STANDARD 210 UNITARY AIR-CONDITIONING EQUIPMENT

International Comfort Products
650 Heil–Quaker Avenue, Lewisburg, TN 37091

477 21 1201 03

2/26/03

EHV SERIES SPECIFICATIONS

MODEL	EHV090	EHV120
Dual Circuit Application		
Liquid Line O.D.	1/2” (2)	1/2” (2)
Suction Line O.D.	7/8” (2)	1-1/8” (2)
Drain O.D.	7/8”	7/8”
Shipping Weight (lbs.)	119	162
Single Circuit Application (Field Conversion)		
Liquid Line O.D.	5/8”	5/8”
Suction Line O.D.	1-3/8”	1-5/8”

DIRECT EXPANSION COOLING CAPACITIES

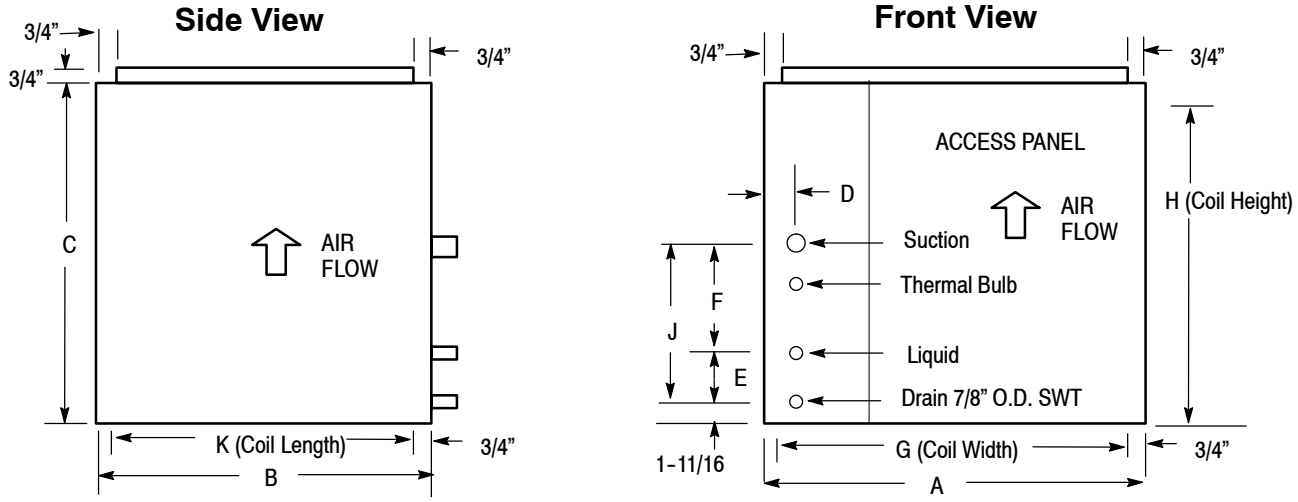
EHV090

			85°F DB/71°F WB				80°F DB/67°F WB				75°F DB/63°F WB			
SUCT	PD		TTL	SENS	LVG AIR		TTL	SENS	LVG AIR		TTL	SENS	LVG AIR	
TEMP	PSI	CFM	MBH	MBH	DB	WB	MBH	MBH	DB	WB	MBH	MBH	DB	WB
40	9.88	2250	130.0	78.0	53.0	53.0	108.0	71.0	50.9	50.8	92.0	64.0	48.4	48.2
		3000	147.0	92.0	56.5	56.1	125.0	84.0	53.9	53.4	103.0	76.0	51.5	50.9
		3750	161.0	104.0	59.2	58.3	137.0	96.0	56.2	55.2	114.0	87.0	53.5	52.4
45	6.99	2250	112.0	71.0	55.9	55.9	95.0	65.0	53.3	53.1	68.0	53.5	52.9	52.5
		3000	129.0	85.0	58.8	58.3	106.0	76.0	56.4	55.7	85.0	68.0	54.0	53.2
		3750	141.0	97.0	61.1	60.0	116.0	87.0	58.4	57.2	97.0	80.0	55.3	54.1
50	4.49	2250	97.0	65.0	58.3	58.1	68.0	54.0	57.8	57.4	48.0	44.5	56.6	55.8
		3000	108.0	77.0	61.3	60.6	86.0	68.0	58.9	58.1	57.0	55.0	58.1	56.6
		3750	118.0	88.0	63.2	62.0	98.0	80.0	60.1	58.9	67.0	65.0	58.9	57.0

EHV120

			85°F DB/71°F WB				80°F DB/67°F WB				75°F DB/63°F WB			
SUCT	PD		TTL	SENS	LVG AIR		TTL	SENS	LVG AIR		TTL	SENS	LVG AIR	
TEMP	PSI	CFM	MBH	MBH	DB	WB	MBH	MBH	DB	WB	MBH	MBH	DB	WB
40	9.18	3000	177.0	105.0	52.5	52.5	148.0	96.0	50.4	50.4	125.0	87.0	48.0	47.9
		4000	202.0	126.0	55.9	55.6	171.0	115.0	53.4	52.9	141.0	103.0	51.1	50.5
		5000	222.0	143.0	58.6	57.8	189.0	131.0	55.8	54.8	156.0	118.0	53.1	52.1
45	6.45	3000	153.0	96.0	55.5	55.5	129.0	87.0	53.0	52.8	93.0	73.0	52.5	52.1
		4000	176.0	115.0	58.4	57.9	144.0	103.0	56.1	55.4	117.0	92.0	53.6	52.9
		5000	194.0	131.0	60.7	59.7	160.0	119.0	58.0	56.9	126.0	105.0	55.6	54.4
50	4.12	3000	133.0	88.0	57.9	57.8	94.0	73.0	57.5	57.1	65.0	60.5	56.4	55.7
		4000	147.0	104.0	61.0	60.3	118.0	93.0	58.5	57.8	77.0	74.0	57.9	56.5
		5000	162.0	119.0	62.9	61.7	127.0	106.0	60.4	59.2	92.0	88.0	58.6	56.8

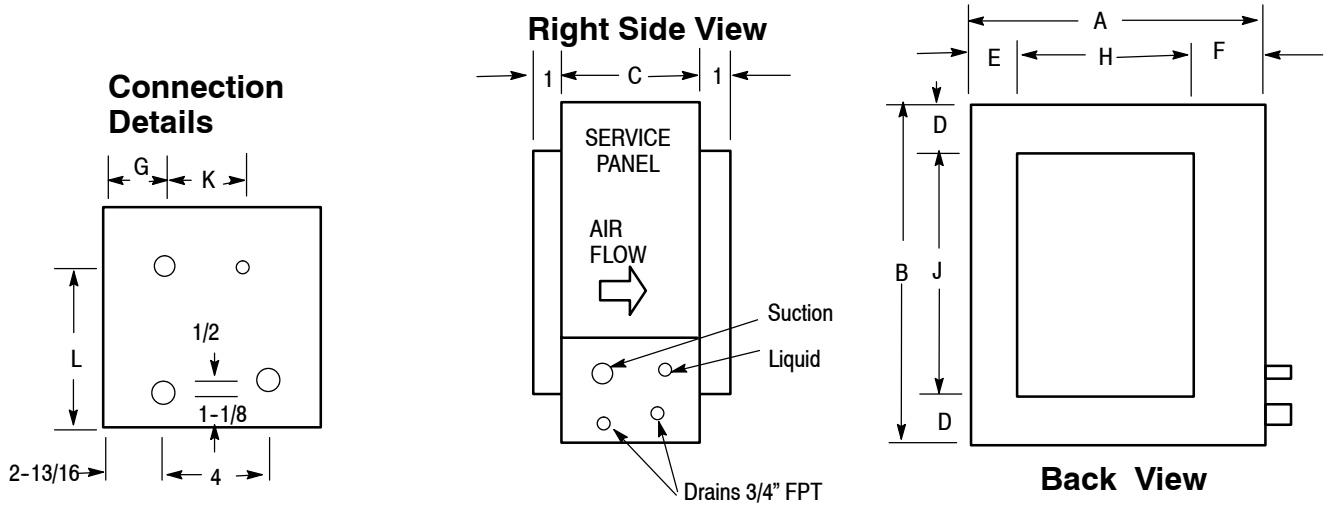
EHV DIMENSIONS



EHV DIMENSIONS

MODEL	A	B	C	D	E	F	G	H	J	K
EHV090	38.88	22	19.50	2.00	2.50	11.75	36.63	16.50	14.56	21.38
EHV120	51.50	22	19.50	2.50	3.75	9.44	48.63	16.50	13.50	21.38

EHH DIMENSIONS



EHH DIMENSIONS

MODEL	A	B	C	D	E	F	G	H	J	K	L
EHH090	53.5	27.5	9.5	1.75	1.75	6.63	1.50	44.5	24	4.0	3.5
EHH120	56.5	33.5	9.5	1.75	1.75	6.63	1.50	47.5	30	4.0	3.5

EHH SERIES SPECIFICATIONS

MODEL	EHH090	EHH120
Dual Circuit Application		
Liquid Line O.D.	1/2” (2)	1/2” (2)
Suction Line O.D.	7/8” (2)	1-1/8” (2)
Drain O.D.	3/4”FPT	3/4”FPT
Shipping Weight (lbs.)	130	156
Single Circuit Application (Field Conversion)		
Liquid Line O.D.	5/8”	5/8”
Suction Line O.D.	1-3/8”	1-5/8”

DIRECT EXPANSION COOLING CAPACITIES

EHH090

			85°F DB/71°F WB				80°F DB/67°F WB				75°F DB/63°F WB			
SUCT	PD		TTL	SENS	LVG AIR		TTL	SENS	LVG AIR		TTL	SENS	LVG AIR	
TEMP	PSI	CFM	MBH	MBH	DB	WB	MBH	MBH	DB	WB	MBH	MBH	DB	WB
40	8.96	2250	127.0	76.0	53.5	53.5	107.0	70.0	51.2	51.1	90.0	63.5	48.8	48.6
		3000	144.0	91.0	56.9	56.4	123.0	83.0	54.2	53.6	101.0	75.0	51.8	51.1
		3750	158.0	103.0	59.6	58.6	135.0	95.0	56.6	55.5	112.0	86.0	53.8	52.6
45	6.34	2250	110.0	70.0	56.2	56.1	93.0	64.0	53.6	53.4	66.0	53.0	53.2	52.8
		3000	126.0	84.0	59.1	58.5	104.0	75.0	56.7	55.9	83.0	67.0	54.2	53.4
		3750	139.0	96.0	61.4	60.3	114.0	87.0	58.6	57.4	96.0	79.0	55.5	54.3
50	4.08	2250	96.0	64.0	58.5	58.4	66.0	53.0	58.1	57.7	47.5	44.0	56.8	55.9
		3000	106.0	76.0	61.6	60.8	84.0	68.0	59.1	58.3	56.5	54.0	58.3	56.7
		3750	116.0	87.0	63.4	62.2	96.0	80.0	60.3	59.0	65.0	64.0	59.2	57.2

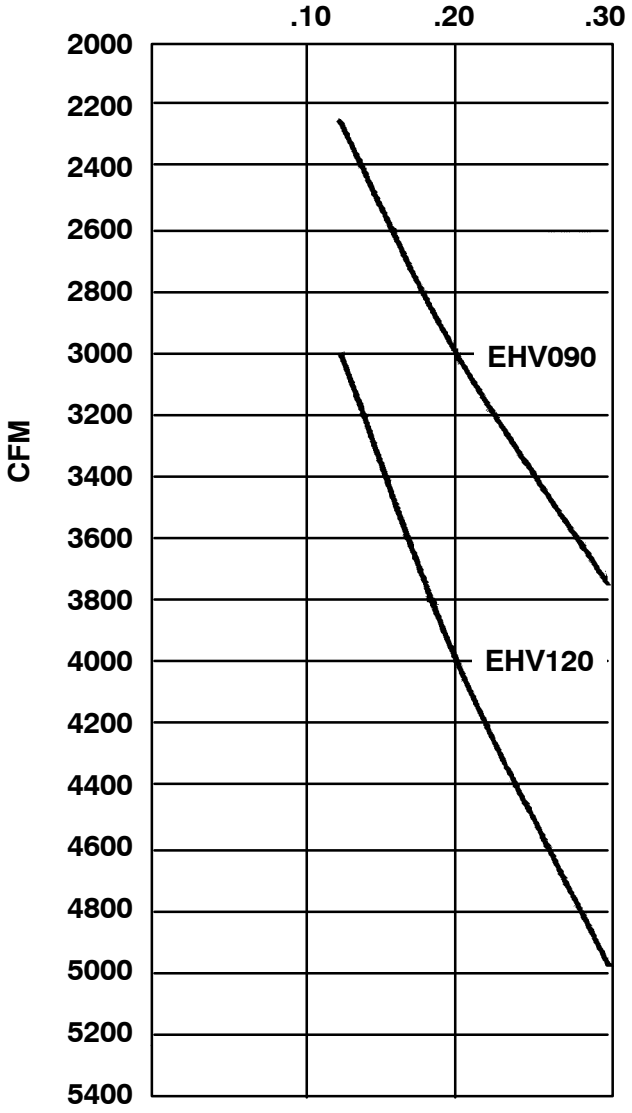
EHH120

			85°F DB/71°F WB				80°F DB/67°F WB				75°F DB/63°F WB			
SUCT	PD		TTL	SENS	LVG AIR		TTL	SENS	LVG AIR		TTL	SENS	LVG AIR	
TEMP	PSI	CFM	MBH	MBH	DB	WB	MBH	MBH	DB	WB	MBH	MBH	DB	WB
40	9.08	3000	175.0	105.0	52.7	52.7	146.0	95.0	50.6	50.6	124.0	87.0	48.1	48.0
		4000	199.0	124.0	56.2	55.9	169.0	114.0	53.6	53.1	140.0	103.0	51.2	50.6
		5000	219.0	142.0	58.8	58.0	186.0	130.0	55.9	55.0	155.0	118.0	53.2	52.2
45	6.45	3000	152.0	95.0	55.6	55.6	129.0	87.0	53.0	52.9	94.0	73.0	52.4	52.1
		4000	175.0	115.0	58.5	58.0	144.0	103.0	56.1	55.5	116.0	92.0	53.6	52.9
		5000	192.0	131.0	60.8	59.8	159.0	119.0	58.0	57.0	125.0	105.0	55.5	54.4
50	4.16	3000	132.0	87.0	58.0	57.9	94.0	73.0	57.4	57.0	65.0	60.5	56.3	55.6
		4000	146.0	104.0	61.0	60.4	118.0	93.0	58.5	57.8	78.0	74.0	57.8	56.5
		5000	161.0	119.0	62.9	61.8	126.0	106.0	60.4	59.2	93.0	89.0	58.5	56.8

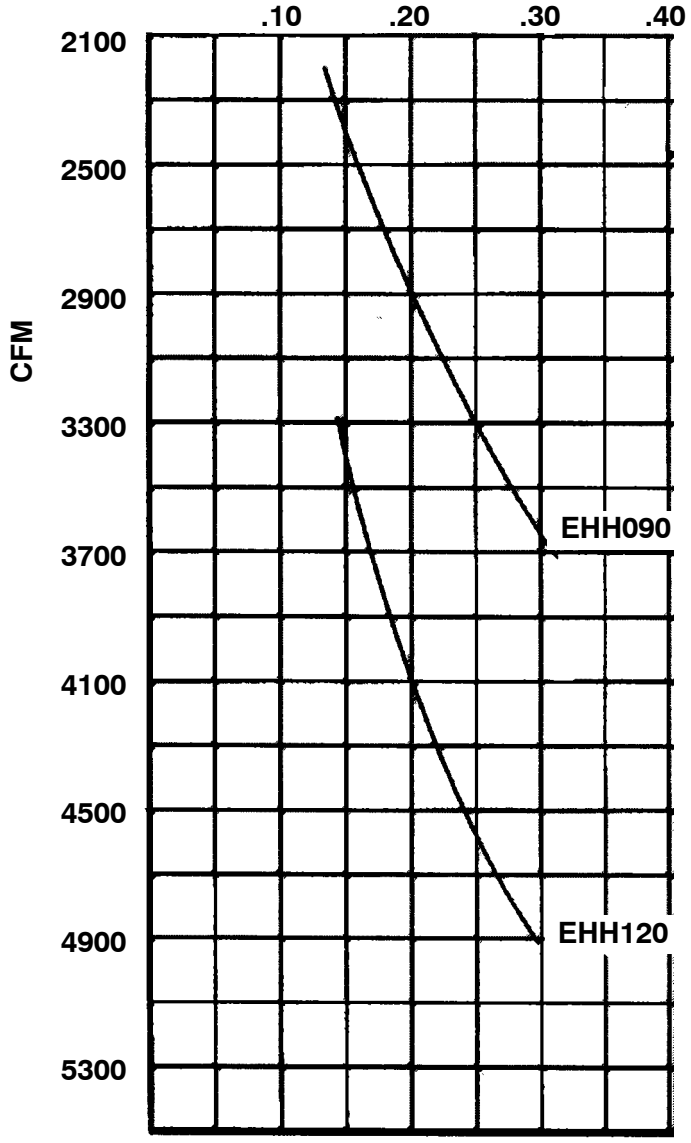
HEAT PUMP BY PASS KIT

MODEL	USED ON
AHB02A (2 Required)	7-1/2 & 10 TON

Air Loss For EHV Series Duct Coil
Static Pressure (Inches of Water)



Air Loss For EHH Series Duct Coil
Static Pressure (Inches of Water)



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