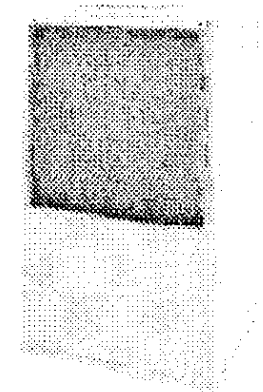
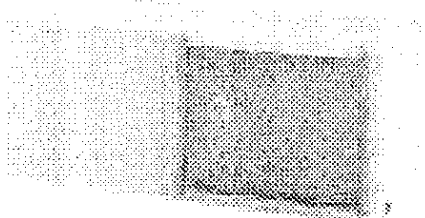


ADDISON

1/2 - 5 Tons

Water Source Air Conditioner VWC/HWC SERIES

High Efficiency Air Conditioning Models



Application

Addison water-to-air air conditioners are an excellent choice for a multitude of building applications ranging from offices, schools, health care and retirement facilities to hotels and motels, multifamily housing and industrial operations. The vertical configuration of VWC units make concealed and equipment closet installation simple.

Horizontal models compact profile makes them ideal for dropped ceiling and confined space installations. Each units is a complete package containing compressor, water valve, metering device and water-to-refrigerant heat exchanger. Safety controls include overload protection for motors, high and low refrigerant pressure switches and a lockout control circuit. All models are furnished with painted cabinets fabricated of G90 galvanized steel.

Standard Sizes

VWY			HWY		
Model	Btuh Cooling	EER	Model	Btuh Cooling	EER
012	11,000	13.3	012	11,300	13.6
018	18,000	14.5	018	18,000	14.0
024	24,300	14.0	024	24,300	14.0
030	32,200	13.3	030	32,200	13.3
036	34,500	14.1	036	34,500	14.1
042	43,300	13.0	042	43,300	13.0
054	55,000	12.9	060	60,600	12.8

VWC, HWC – PHYSICAL DATA

MODEL VWC/HWC	12	18	24	30	36	42	54	60
Nominal Capacity (Tons)	1	1 1/2	2	2 1/2	3	3 1/2	4 1/2	5
Shipping Weight (lb.)	182 / 132	192 / 177	203 / 187	192 / 260	250 / 260	260 / 287	312	342 / 356
Compressor (Type)	Rotary			Reciprocating			Scroll	
Fan Blower Diameter x Width (in.)	7 x 4	9 x 7				10 X 9	11 x 9	
Motor Horsepower	1/10	1/4			1/2		3/4	
Filter size (in.) (VWC)	10 X 16 X 1	16 X 20 X 1		20 X 20 X 1	24 X 24 X 1		22 X 28 X 1	
Filter size (in.) (HWC)	10 X 16 X 1	16 X 20 X 1	18 X 20 X 1	18 X 22 X 1	18 X 30 X 1		?	20 X 34 1/2 X 1
Water Connection F.P.T.	3/4	3/4	3/4	3/4	3/4	3/4	1	1
Condensate Drain F.P.T	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

ELECTRICAL DATA

MODEL VWC & HWC	ELECTRICAL CHARACTERISTICS	COMPRESSOR		BLOWER		UNIT TOTAL	MIN CIRCUIT	FUSE SIZE*	MIN. WIRE
		FLA	LRA	FLA	HP	FLA	AMP	T/D	SIZE
12	208/230/1/60	4.5	20	.96	1/10	5.46	6.6	15	14
18	208/230/1/60	7.1	38	2	1/4	9.1	10.9	15	12
24	208/230/1/60	9.4	49	2	1/4	11.4	13.8	20	12
30	208/230/1/60	14.2	73	2	1/4	16.2	19.8	30	10
36	208/230/1/60	14.2	73	4.4	1/2	18.6	22.2	35	10
36-3	208/230/3/60	8.7	68	4.4	1/2	13.1	15.3	20	12
42	208/230/1/60	16.9	96	4.4	1/2	21.3	25.5	40	8
42-3	208/230/3/60	10.6	75	4.4	1/2	15	17.7	25	10
54-1	208/230/1/60	23.7	132	5.5	3/4	29.2	35.1	50	6
54-3	208/230/3/60	14.5	91	5.5	3/4	20	23.6	35	10
54-5	575/3/60	5.8	37	2.6	3/4	8.4	9.9	15	12
60-1	208/230/1/60	25	169	5.5	3/4	30.5	36.8	60	6
60-3	208/230/3/60	17.4	123	5.5	3/4	22.9	27.3	40	12
60-5	575/3/60	5.8	40	2.6	3/4	8.4	9.9	15	12

* MAX. TIME DELAY FUSE SIZE OR HACR BREAKER

BLOWER PERFORMANCE (IN CFM)

MODEL VWC & HWC	.10	.20	.30	.40	.50	.60	.70
12	425	410	390	370	350	325	300
18	770	700	680	650	610	570	530
24	900	850	800	760	710	690	680
30	1250	1170	1120	1070	940	830	740
36	1500	1440	1370	1290	1210	1120	1000
42	1780	1680	1580	1470	1350	1160	920
54/60	2160	2090	2030	1960	1870	1800	1730

* CFM SHOWN IS FOR HI-SPEED BLOWER SETTING

~ AITONS' EQUIPMENT INC. ~