

MAKE UP AIR UNIT		
UNIT NO.	MUA-1	
LOCATION	ROOF	
SERVICE	APARTMENT MAKE UP	
TYPE	SINGLE ZONE	
CONFIG.	VERTICAL	
SUPPLY FAN	CFM	4250
	MIN. OA CFM	4250
	TYPE / WHEEL	BACKWARD INCLINED
	EXT. S.P.	1.5
	RPM	1151
COOLING DATA	MOTOR HP	3
	DRIVE	BELT
	TOTAL (MBH)	308.42
	SENSIBLE (MBH)	165.40
	EAT DB/WB	95/78
FURNACE	LAT DB/WB	75/62
	MAX P.D. (IN.)	0.1
	MAX VEL. FPM	500
	TYPE	GAS
	INPUT (MBH)	390
COMPRESSOR	OUTPUT (MBH)	315.9
	STAGES	4
	EAT/LAT (°F)	5/70
	DESIGN PRESSURE	4" W.C.
	TYPE	SCROLL
CONDENSER	No./STEPS	2
	HP	—
	REFRIGERANT	R-410A
	CFM	—
	AMBIENT (°F DB)	95
ELECTRICAL DATA	EXT. S.P.(IN)	0
	RPM	1075
	MOTOR (HP)	3 @ 0.75
	DRIVE	DIRECT
	VOLT / PH / Hz	208/3/60
FILTER	COMPRESSOR RLA	2 @ 48.1
	SUPPLY FAN FLA	10.6
	CONDENSER FAN FLA	3 @ 5.4
	MIN. CIRC. AMPS	135
	STARTER TYPE	INTEGRAL
VIBRATION ISOLATION	TYPE	2" PLEATED
	EFF%	30%
	DEPTH (IN.)	2"
	PRESS. DROP (IN.) INITIAL/FINAL	0.1/0.5
	SPEC. TYPE #10	2"
PERFORMANCE EER		11.6
DIMENSIONS (IN)		105x99x56
WEIGHT (LBS)		2673
MANUFACTURER		AAON
MODEL		RM-025
REMARKS: PROVIDE UNIT WITH THE FOLLOWING: 1. MODULATING HOT GAS REHEAT 2. HOT GAS BYPASS 3. MANUAL RESET HIGH PRESSURE CUTOFF 4. AUTO RESET LOW PRESSURE CUTOFF 5. DOUBLE WALL CONSTRUCTION 6. STAINLESS STEEL DRAIN PAN 7. MERV13 FILTERS 8. CONVENIENCE OUTLET (FACTORY WIRED)		

HEATING AND VENTILATING UNIT SCHEDULE			
UNIT NO.	HV-1	HV-2	
LOCATION	BASEMENT	GROUND FLOOR	
SERVICE	BASEMENT VENTILATION	LOBBY	
TYPE	SINGLE ZONE	SINGLE ZONE	
CONFIG.	HORIZONTAL	HORIZONTAL	
FAN	CFM	2000	2200
	MINIMUM O.A. CFM	2000	2200
	EXT. SP	1.5"	1.5"
	TOTAL SP	2.15"	2.21"
	RPM	1197	1260
HEATING COIL	BHP / MOTOR HP	1.2/1.5	1.4/1.5
	DRIVE	BELT	BELT
	TYPE	CENTRIFUGAL	CENTRIFUGAL
	WHEEL	FORWARD CURVED	FORWARD CURVED
	TYPE	HOT WATER	HOT WATER
FILTER	OUTPUT (MBH)	120	180
	EAT / LAT °F	5/60	5/80
	MAX AIR P.D. (IN WG)	0.15	0.21
	MAX FACE VEL (FPM)	800	800
	FLOW GPM	12	18
ELECT.	EWT / LWT °F	190/170	190/170
	MAX P.D. (FT.)	0.8	1.7
	DESIGN PRESSURE (PSIG)	125	125
	TYPE	THROWAWAY	THROWAWAY
	EFF %	30-35%	30-35%
VIBRATION ISOLATION	DEPTH (IN.)	2"	2"
	PRESS. DROP (IN.) INITIAL/FINAL	0.2/1.2	0.2/1.2
	VOLT / PH / Hz	208/3/60	208/3/60
	STARTER	TYPE	COMB. MAG. START/DISC.
	SWITCHES	H.O.A.P.	H.O.A.P.
DIMENSIONS (IN.)	TYPE	SPEC. TYPE #2	SPEC. TYPE #1
	DEFLECTION	1.25"	2.0"
	WEIGHT	509	509
	MANUFACTURER	CARRIER	CARRIER
	MODEL	39 LC 06	39 LC 06
REMARKS: PROVIDE UNITS WITH THE FOLLOWING OPTIONS: 1. FLAT PRE-FILTERS AND ANGLE FINAL FILTER SECTION. 2. MERV13 FILTERS			

TOP SUPPLY REGISTER SCHEDULE (TR)			
CFM RANGE	NOMINAL SIZE	MFR	MODEL
0-100	8x6	ANEMOSTAT	S2VO
101-150	10x6	ANEMOSTAT	S2VO
151-200	12x6	ANEMOSTAT	S2VO
201-300	16x6	ANEMOSTAT	S2VO
301-450	16x8	ANEMOSTAT	S2VO
451-500	20x8	ANEMOSTAT	S2VO
501-600	30x8	ANEMOSTAT	S2VO
REMARKS: 1. COORDINATE AIR OUTLET BORDER STYLE, COLOR AND TYPE WITH ARCHITECT PRIOR TO PURCHASE.			

TOP RETURN/EXHAUST REGISTER SCHEDULE (TR)			
CFM RANGE	NOMINAL SIZE	MFR	MODEL
0-100	8x6	ANEMOSTAT	S3HD
101-150	8x8	ANEMOSTAT	S3HD
151-200	10x8	ANEMOSTAT	S3HD
201-300	16x8	ANEMOSTAT	S3HD
301-450	28x8	ANEMOSTAT	S3HD
451-600	30x10	ANEMOSTAT	S3HD
REMARKS: 1. COORDINATE AIR OUTLET BORDER STYLE, COLOR AND TYPE WITH ARCHITECT PRIOR TO PURCHASE.			

COOLING TOWER SCHEDULE		
UNIT NO.	CT-1	
LOCATION	ROOF	
SERVICE	CONDENSER WATER SYSTEM	
TYPE	CENTRIFUGAL LOW PROFILE	
NO. OF CELLS	1	
PERFORMANCE	EWT/LWT °F	95/85
	GPM (LOAD)	300
	GPM (CONNECTED)	380
	TOTAL HEAT REJECTED 103 TONS	
	AMBIENT TEMPERATURE °F W.B.	78
FAN DATA	NOZZLE PRESS. (PSIG)	—
	TYPE	CENTRIFUGAL
	CFM	28200
	RPM	—
	MOTOR HP	15
ELECTRICAL	DRIVE	BELT
	EXT SP.	—
	FAN VOLTS/PH/Hz	208/3/60
	FAN FLA	40.5
	HEATER VOLTS/PH/Hz	208/3/60
ACCESSORIES	HEATER FLA	—
	TYPE	VFD
	SWITCHES	BY-PASS
	KW	7.5
	STARTER	COMB. MAG START/DISC
VIBRATION ISOLATION	SWITCHES	H.O.A.P.
	TYPE	SPEC. TYPE #6
	DEFLECTION (IN.)	2"
	DIMENSION LxWxH	18'x5'x7'
	WEIGHT (LBS)	4740
MANUFACTURER		BALTIMORE AIRCOIL
MODEL NO.		VTL-103-K
MEA #		137-73-M
REMARKS: 1. COOLING TOWER SHALL BE PROVIDED WITH THE FOLLOWING FACTORY INSTALLED OPTIONS: A) INTAKE AND DISCHARGE SOUND ATTENUATION B) ELECTRIC BASIN HEATER C) ELECTRIC WATER LEVEL CONTROL D) NOZZLE PATTERN FOR 380 GPM		

FAN SCHEDULE				
UNIT NO.	GX-1	KX-1	TX-1	
LOCATION	BASEMENT	BULKHEAD ROOF	ROOF	
SERVICE	GENERAL EXHAUST	APARTMENT KITCHEN EXH.	APT. TOILET EXHAUST	
FAN DATA	CFM	1925	4250	4425
	TYPE	INLINE	UTILITY	UTILITY
	TOT. SP	1.25	0.3	1.0
	RPM	1541	754	757
	BHP	0.76	0.55	1.03
ELECTRICAL DATA	DRIVE	BELT	BELT	BELT
	WHEEL	BACKWARD INCLINED	BACKWARD INCLINED	BACKWARD INCLINED
	MOTOR HP	1	3/4	1.5
	RPM	1725	1725	1725
	Volts/Ph/Hz	208/3/60	208/3/60	208/3/60
STARTER	TYPE	COMB. MAG. START/DISC.	VFD	COMB. MAG. START/DISC.
	SWITCHES	H.O.A.P.	BY-PASS	H.O.A.P.
	TYPE	SPEC. TYPE #2	SPEC. TYPE #8	SPEC. TYPE #8
	DEFLECTION	1.25"	2"	2"
	DIMENSIONS (IN.)	24x19x27	40x37x53	42x41x58
WEIGHT (LBS)		140	450	568
MANUFACTURER		GREENHECK	GREENHECK	GREENHECK
MODEL No.		BSQ-140	SWB-222	SWB-224
REMARKS				

EXPANSION TANK SCHEDULE		
UNIT NO.	ET-1	ET-2
LOCATION	BASEMENT	BASEMENT
SERVICE	HOT WATER	CONDENSER WATER
TYPE	DIAPHRAGM	DIAPHRAGM
DESIGN PRESSURE (PSI)	250	250
CONFIGURATION	HORIZONTAL	HORIZONTAL
TOTAL TANK VOL. (GAL.)	132	33.6
ACCEPTANCE VOLUME	69.3	12.5
MIN/MAX OPERATING TEMPERATURE (°F)	40/210	40/95
MIN/MAX OPERATING PRESSURE (PSI)	50/125	50/125
DIMENSIONS LENGTH X DIA (IN)	77x30	42x16
WEIGHT FILLED WITH WATER (LBS)	1050	220
MANUFACTURER	ARMSTRONG	ARMSTRONG
MODEL NO.	AX-240	AX-60
REMARKS:		

ELECTRIC RADIATION SCHEDULE		
LENGTH (HEATED SECTION)		36"
LOCATION		PEDESTAL MOUNTED
SERVICE		HEATING
TYPE		ELECTRIC
WATTS/LF		100
ELECTRICAL DATA	VOLT/ø/HZ	120/1/60
	WATTS INPUT	300
ENCLOSURE	DEPTH (IN)	3
	HEIGHT (IN)	8
THERMOSTAT LOCATION		WALL MOUNTED
CONTROLS		M2
MANUFACTURER		VULCAN
MODEL NO.		MINI-VANE II MV3P
REMARKS: PROVIDE BASEBOARD WITH THE FOLLOWING FACTORY INSTALLED OPTIONS: 1. END TRIM PIECES AT BOTH ENDS. 2. AUTOMATIC RESET THERMAL CUTOUT AND WIRING KNOCK OUTS IN HEATER BACK. 3. PENCIL PROOF INLET AND DISCHARGE GRILLES. 4. COORDINATE FINISHES AND COLOR WITH ARCHITECT PRIOR TO PURCHASE.		

SHELL & TUBE HEAT EXCHANGER SCHEDULE		
UNIT NO.		HX-1
LOCATION		BASEMENT
SERVICE		HEATING
TYPE		SHELL & TUBE
PRIMARY SERVICE	FLUID	HOT WATER
	MBH	300
	GPM	30
	EWT/LWT(F)	190/170
	MAX. P.D. (FT)	1.0
	DESIGN (PSIG)	250
SECONDARY SERVICE	FOULING FACTOR	0.00279
	FLUID	WATER
	GPM	75
	EWT/LWT(F)	68.6/76.4
	MAX. P.D. (FT)	1.2
	DESIGN (PSIG)	250
VIBRATION ISOLATION	FOULING FACTOR	0.00279
	TYPE	SPEC. TYPE #4
	DEFLECTION	1"
DIMENSIONS LxW		40x7
TUBE PULL CLEARANCE (FT)		40
WEIGHT (LBS)		125
MANUFACTURER		ARMSTRONG
MODEL NO.		WU63-23
REMARKS:		

PUMP SCHEDULE							
UNIT NO.	CWP-1	CWP-2 (STAND-BY)	HWP-1	HWP-2 (STAND-BY)	HWP-3	HWP-4	
LOCATION	BASEMENT	BASEMENT	BASEMENT	BASEMENT	BASEMENT	1ST FLOOR	
SERVICE	CONDENSER WATER	CONDENSER WATER	HOT WATER	HOT WATER	HV-1	HV-2	
TYPE	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	
CONFIGURATION	BASE MOUNTED	BASE MOUNTED	BASE MOUNTED	BASE MOUNTED	CIRCULATOR	CIRCULATOR	
DESIGN PRESSURE (PSI)	250	250	250	250	250	250	
FLUID DATA	FLUID	WATER	WATER	WATER	WATER	WATER	WATER
	GPM	380	380	130	130	12	18
	TOT. DYN. HEAD (FT)	100	100	120	120	5	6
	NPSH (FT)	2.4	2.4	3.8	3.8	-	-
	TEMP. (°F)	95	95	190	190	190	190
MOTOR DATA	MOTOR HP	20	20	10	10	1/12	1/12
	RPM	1800	1800	1800	1800	3000	3000
	Volts/Ph/Hz	208/3/60	208/3/60	208/3/60	208/3/60	115/1/60	115/1/60
	FRAME	256T	256T	215T	215T	-	-
STARTER DATA	TYPE	VFD	VFD	VFD	VFD	MANUAL	MANUAL
	SWITCHES	BY-PASS	BY-PASS	BY-PASS	BY-PASS	W/PILOT	W/PILOT
VIBRA- TION DATA	TYPE	SPEC. TYPE #3	SPEC. TYPE #3	SPEC. TYPE #3	SPEC. TYPE #3	SPEC. TYPE #2	SPEC. TYPE #2
	DEFLECTION	1"	1"	1"	1"	1.25"	1.25"
DIMENSION (LxWxH)	43x15x14	43x15x14	36x12x13	36x12x13	7x7x5	7x7x5	
WEIGHT (LBS)	470	470	335	335	11	11	
MANUFACTURER	ARMSTRONG	ARMSTRONG	ARMSTRONG	ARMSTRONG	ARMSTRONG	ARMSTRONG	
MODEL No.	4030	4030	4030	4030	E	E	
SIZE	4x3x1.3L	4x3x1.3L	3x1.5x1.3	3x1.5x1.3	7	7	
REMARKS:							

Starting Date: 05/28/2005



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