

WATER-TO-AIR HEAT PUMP SCHEDULE

UNIT	SERVICE	COOLING (MBH)		T.H.R. (MBH)	CLG EWT (°F)	HEATING (MBH)	T.H.A. (MBH)	HTG EWT (°F)	GPM	SOURCE SIDE EWT RANGE (°F)	PD (FT)	CFM	ESP (IN WG)	ELEC.			MANUFACTURER/ MODEL	REMARKS
		TOTAL	SENS.											V/PH/Hz	MCA	MOCP (AMPS)		
HP-1	UNIT 5-1	32.4	24.0	41.2	75	31.6	22.3	45	7.0	20-105	9.1	1290	0.4	208/230-1-60	22.4	35	FLORIDA HEAT PUMP / EC036	①
HP-2/FCU-2	UNIT 6-2	32.4	24.0	41.2	75	31.6	22.3	45	7.0	20-105	9.1	1290	0.4	208/230-1-60	22.4	35	FLORIDA HEAT PUMP / EC036	②
HP-3	UNIT 6-1	32.4	24.0	41.2	75	31.6	22.3	45	7.0	20-105	9.1	1290	0.4	208/230-1-60	22.4	35	FLORIDA HEAT PUMP / EC036	①
HP-4/FCU-4	UNIT 5-2	32.4	24.0	41.2	75	31.6	22.3	45	7.0	20-105	9.1	1290	0.4	208/230-1-60	22.4	35	FLORIDA HEAT PUMP / EC036	②
HP-5/FCU-5	UNIT 6-3	32.4	24.0	41.2	75	31.6	22.3	45	7.0	20-105	9.1	1290	0.4	208/230-1-60	22.4	35	FLORIDA HEAT PUMP / EC036	②

① PACKAGED HEAT PUMP

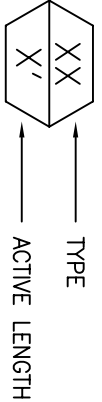
② SPLIT SYSTEM HEAT PUMP

LIQUID TO LIQUID HEAT EXCHANGER SCHEDULE

TAG		SIDE 1						SIDE 2						MANUFACTURER	PHE TYPE	FRAME	NUMBER OF PLATES	REMARKS	DRY WEIGHT (LBS)	FLOODED WEIGHT (LBS)	
		SERVICE	GPM	WINTER		SUMMER		SERVICE	GPM	WINTER		SUMMER									
				EWT	LWT	EWT	LWT			ΔP (FT WC)	EWT	LWT	EWT								LWT
HTX-1	STANDING COLUMN WELL	40	48	42	—	—	1.9	BUILDING LOOP	37	38	45	—	—	2.1	—	316 SS	—	35	①	—	—

① SUMMER PERFORMANCE INDICATED IS MINIMUM REQUIRED. HEAT EXCHANGER LISTED WILL EXCEED THESE REQUIREMENTS.

FINNED TUBE BASEBOARD HEATER SCHEDULE



TYPE	MIN. CAPACITY BTU/H/LIN. FOOT	CAPACITY BTU/HR	PIPE SIZE	FIN SIZE	FIN FOOT	NO. OF ELEMENTS	MANUFACTURER/MODEL	ENCLOSURE HEIGHT	REMARKS
FINNED TUBE	665	—	¾"	¾" SA	50	1	STERLING/	—	HEATING ELEMENT ONLY

PUMP SCHEDULE

TAG	SERVICE	GPM	HD(FT)	ELECTRICAL			MANUFACTURER/MODEL	REMARKS
				HP	POWER (V/PH/Hz)	BACKUP POWER (V/Hz)		
P-1A&B	CONDENSER WATER	30	20	3/4	115/1/60		GRUNDFOS/UPS 32-160	DUTY/STANDBY; EACH PUMP SHALL HAVE A VFD AND PROVIDE OPEN DRIP PROOF TYPE MOTOR HOUSING.
P-2	B-1	10	11	1/25	115/1/60		GRUNDFOS/ UPS26-99F	SHIPPED LOOSE WITH BOILER
P-3	DHW HEATER	14	15	1/2	115/1/60		GRUNDFOS/UPS 32-80	
RMP-1	RADIANT FLOOR MANIFOLD	-	-	-	115/1/60		GRUNDFOS/UP 15-42F/RR	
SMP-1	SNOWMELT	-	-	-	115/1/60		GRUNDFOS/UP 15-42F/RR	
WP-1	GEO THERMAL WELL	40	100	1-1/2	230/3/60		FRANKLIN ELECTRIC / 45FR15S4-PE	PROVIDE VARIABLE FREQUENCY DRIVE.

FAN SCHEDULE

TAG	SERVICE	CFM	ESP (IN WG)	RPM	ELECTRICAL			MANUFACTURER/MODEL	REMARKS
					POWER (V/PH/Hz)	BACKUP POWER (V/Hz)			
EF-1	BATHROOMS	95	0.25	1000	33.5W	115/1/60	N	PANASONIC/PV-11VF2	WALL TIMER SWITCH.
EF-2	BATHROOMS	95	0.25	1000	33.5W	115/1/60	N	PANASONIC/PV-08VS1	WALL TIMER SWITCH.

UNIT HEATER SCHEDULE

TAG	LOCATION	CAPACITY (MBH)	CFM	EWT (°F)	LWT (°F)	GPM	WPD FTHD	HP	AMPS	V/ø/Hz	MANUFACTURER/MODEL	REMARKS
UH-1	GARAGE	7.9	500/420	120	111	1.9	2.2	9W	.53	115/1/60	STERLING / HS-118A	
UH-2	STORAGE	7.9	500/420	120	111	1.9	2.2	9W	.53	115/1/60	STERLING / HS-118A	

GAS FIRED BOILER SCHEDULE

TAG	MBH		LWT (°F)	GPM	PD (FT)	MANUFACTURER/MODEL	REMARKS
	INPUT	OUTPUT					
B-1	210	191	105	140	10	LOCHINVAR/MBN210	-

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RUSSELL TREMAINE
ARCHITECT
MAY 16, 2008

5 & 6 BRIGHAM STREET
EAST BOSTON, MA

HVAC
SCHEDULES
N.T.S.

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