HEAT TAPE SCHEDULE

HT #	SYSTEM	TYPE	PIPE SIZE (b)	W/FT	PIPE LENGTH (a)	LENGTH MULT.	ELECT. WATTS *	ELECT. VOLT/PH	REMARKS
HT-1	TOWER RETURN	FP	5"	5	25	1.4	175	120/1	
HT-2	TOWER SUPPLY	FP	5"	5	20	1.4	140	120/1	
HT-3	COLD WATER	FP	1 1/4"	5	15	1.4	105	120/1	
HT-4	CONDENSATE PUMP	FP	-	5	10	1.4	70	120/1	

* WATTAGE IS APPROXIMATE. INSTALLING CONTRACTOR SHALL COORDINATE EXACT WATTAGE WITH ELECTRICAL CONTRACTOR

** FP - FREEZE PROTECTION
TM - TEMPERATURE MAINTENANCE
(a) FEET (b) INCHES

PUMP SCHEDULE

PUMP #	LOCATION	SERVICE	TYPE	GPM	HEAD FT	RPM	MIN EFF	MAX. WEIGHT #	MAX HP BHP(a)	MAX HP HP	ELECT VOLT/PH	MANUFACTURER AND MODEL	REMARKS
BP-1,2,3	BOILER ROOM	BOILERS	INLINE	19	15	-	-	-	-	1/6	120/1	GRUNDFOS UPM	1

(a) MAX BHP AT OPERATING CONDITIONS
ECM MOTOR

S3350

EXISTING PUMP SCHEDULE (DATA FROM EXISTING SCHEDULE)

PUMP #	LOCATION	SERVICE	TYPE	GPM	HEAD FT	RPM	MIN EFF	MAX. WEIGHT #	MAX HP BHP(a)	MAX HP HP	ELECT VOLT/PH	MANUFACTURER AND MODEL	REMARKS
P-1,2 (EXISTING)	BOILER ROOM	LOOP WATER	END SUCTION	130	60	-	-	-	-	5	208/3	-	1

(a) MAX BHP AT OPERATING CONDITIONS

1 DATA FROM ORIGINAL EQUIPMENT SCHEDULE. ACTUAL UNITS INSTALLED MAY DIFFER FROM INFORMATION INDICATED.

S3350

CONDENSING HOT WATER BOILER SCHEDULE (WALL HUNG)

BOILER #	OUTPUT MBH	INPUT GAS CFH	INPUT IN WG	WATER GPM	WATER PD (a)	WATER ENT T	WATER LVG T	MAX. DIMENSIONS (b) DEPTH	MAX. DIMENSIONS (b) W	MAX. DIMENSIONS (b) HT	CONNECTIONS (b) FLUE	CONNECTIONS (b) COMB	MAX. WEIGHT #	ELECT VOLT/PH	MANUFACTURER AND MODEL	REMARKS
B-1, B-2, B-3	190	200	11	19	< 5	70	90	24	24	42	3	3	300	120/1	LOCHINVAR WHB 199	1

(a) FEET (b) INCHES

1 MOUNT ON STEEL FRAME. SEE DETAIL.

S3051

INDUCED DRAFT COOLING TOWER SCHEDULE (CLOSED LOOP)

TOWER #	GPM	MAX PD (a)	WATER ENT T	WATER LVG T	DESIGN WB T	TOWER FANS MAX HP	TOWER FANS NO	TOWER FANS ELECT VOLT/PH	BASIN HEATERS MAX KW	BASIN HEATERS NO	BASIN HEATERS ELECT VOLT/PH	TOWER PUMP MAX HP	TOWER PUMP ELECT VOLT/PH	HEAT LOSS * MBH	MAXIMUM SIZE (b) L	W	H	WT *** #	MANUFACTURER AND MODEL	REMARKS
CT-1	130	5	95	85	80	10	1	208/3	4	1	208/3	2	208/3	45	10	7	16	12,000	BAC FXV 0806	1 2 3 4 5 6 7 8 9

(a) FEET WG (b) FEET EXCLUDING LADDER
* BASED ON 50° F WATER, -10° AMBIENT, 45 MPH WIND, AND DAMPERS CLOSED
** TOWER MUST MEET BOTH SETS OF CAPACITY REQUIREMENTS
*** OPERATING WEIGHT

1 VFD FAN MOTOR
2 DISCHARGE HOOD/DAMPER
3 INSULATED COIL AND HOOD SECTIONS
4 SEE DETAIL AND SPECIFICATION FOR POWER AND CONTROL WIRING REQUIREMENTS
5 SEE SOUND LEVEL REQUIREMENTS IN SPECIFICATIONS
6 EXTERNAL LADDER AND PLATFORM
7 INTERNAL WALKWAY AND LADDER
8 STAINLESS STEEL BASIN
9 DAVIT ARM

EXISTING WATER SOURCE HEAT PUMP SCHEDULE (DATA FROM EXISTING SCHEDULE)

HEAT PUMP #	EXT * SP(a)	CFM TOT	CFM OA	RUNOUT SIZE(c)	FAN MAX BHP	FAN MAX HP	COMPRESSOR NO	COMPRESSOR RLA	LOOP WATER GPM	LOOP WATER PD(b)	ELECTRIC HEAT KW	ELECTRIC HEAT VOLT/PH	COOLING COIL CAPACITY (NET) ENT AIR DB T	ENT AIR WB T	LVG AIR DB T	LVG AIR WB T	WATER ENT T	WATER LVG T	KW INPUT	MBH (NET) TOT	MBH (NET) SENS	TOTAL HTG REJ.	HEATING CAPACITY (NET) AIR ENT T	AIR LVG T	WATER ENT T	WATER LVG T	KW INPUT	TOTAL MBH	HEAT OF ABSORB	MAX. WEIGHT #	EFFICIENCY EER	EFFICIENCY COP	ELECTRIC MCA	ELECTRIC MOCP	ELECTRIC VOLT/PH	MANUFACTURER AND MODEL	REMARKS
HP-1 TO 14	.3	1000	150	-	-	-	1	8	5.7	9.6	-	-	80	67	-	-	85	95	-	29.8	22.4	-	-	-	-	-	-	44.4	-	-	-	-	12	15	208/3	-	1 2
HP-15	.3	2000	150	-	-	-	1	16	12.0	3.6	-	-	80	67	-	-	85	95	-	59.4	44.5	-	-	-	-	-	-	81.1	-	-	-	-	26	40	208/3	-	1 2
HP-16 TO 18	.3	3000	150	-	-	-	1	22.2	17.8	10.0	-	-	80	67	-	-	85	95	-	85.5	64.1	-	-	-	-	-	-	120.5	-	-	-	-	34	50	208/3	-	1 2

- DUCT, GRILLES AND LOADED FILTER (a) INCHES WG (b) FEET WG (c) INCHES

1 HORIZONTAL UNITS

2 DATA FROM ORIGINAL EQUIPMENT SCHEDULE. ACTUAL UNITS INSTALLED MAY DIFFER FROM INFORMATION INDICATED.

1/14

S3258

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