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Sample Building Cooling Load Report

Cooling Load Simulation

The ton profiles are imported to the *Central Plant Simulation Program*

PROJECT :	SAMPLE PROJECT	STUDY :	New AC Equipment
ADDRESS :	x	DATE :	Jun-5-02
CITY :	x	REMARKS :	x
BUILDING :	Building 1 & 2	Installed Capacity = 200.5 Hours/Year = 3,120	

Monthly "Representative-Day" Cooling-Load Profiles

TIME OF DAY	JAN Tons	FEB Tons	MAR Tons	APR Tons	MAY Tons	JUN Tons	JUL Tons	AUG Tons	SEP Tons	OCT Tons	NOV Tons	DEC Tons	PEAK Tons
1	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	2	9	17	29	31	21	0	0	0	43
8	0	0	0	20	26	33	47	49	40	15	0	0	62
9	0	0	17	48	53	63	76	78	71	47	0	0	130
10	0	0	25	49	51	63	78	82	78	57	7	0	135
11	0	0	30	53	57	70	122	124	121	67	20	0	142
12	0	3	35	56	62	113	130	132	128	75	30	0	150
13	5	17	47	67	71	123	140	142	139	125	42	0	161
14	11	24	57	76	77	131	148	152	150	134	49	4	171
15	17	31	66	87	126	144	161	164	159	141	54	9	183
16	16	33	69	128	132	150	167	168	161	142	52	6	187
17	2	24	65	89	130	148	166	165	156	131	37	0	184
18	0	0	24	51	58	86	102	98	86	65	5	0	117
19	0	0	0	23	27	64	81	81	72	30	0	0	84
20	0	0	0	0	0	35	52	52	44	8	0	0	55
21	0	0	0	0	0	27	43	44	37	3	0	0	46
22	0	0	0	0	0	6	20	22	16	0	0	0	39
23	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0

Ton-Hours/Day	50	131	434.23	747.32	878.86	1,272.53	1,564.51	1,585.41	1,478.41	1,040.65	296.81	19	Peak Tons
WkDays T-Hrs/Mo.	1,142	3,015	9,987	17,188	20,214	29,268	35,984	36,465	34,003	23,935	6,827	443	
Sat T-Hrs/Mo	18	78	615	1,088	1,177	1,727	2,190	2,230	2,145	1,485	398	0	
Sun T-Hrs/Mo	-	-	-	-	-	-	-	-	-	-	-	-	Annual LF
Weekdays				Saturdays			Sundays			Total			
Ton-Hours/Year	<u>218,470</u>			<u>13,152</u>			<u>-</u>			<u>231,622</u>			