

Cooling Design Temperature Profiles

test
Carrier North

03-15-2023
06:15PM

Location: Minot IAP, North Dakota

(Dry and Wet Bulb temperatures are expressed in °C)

Hr	January		February		March		April		May		June	
	DB	WB	DB	WB	DB	WB	DB	WB	DB	WB	DB	WB
0000	-5.7	-6.5	-2.3	-3.1	5.6	4.5	11.3	9.4	16.8	12.9	20.7	14.8
0100	-6.3	-7.0	-3.0	-3.6	4.9	4.1	10.7	9.2	16.2	12.7	20.0	14.6
0200	-6.9	-7.4	-3.6	-4.1	4.3	3.7	10.1	8.9	15.5	12.4	19.4	14.4
0300	-7.4	-7.8	-4.1	-4.5	3.8	3.3	9.6	8.7	15.0	12.2	18.9	14.2
0400	-7.8	-8.1	-4.5	-4.8	3.4	3.1	9.2	8.5	14.6	12.1	18.5	14.0
0500	-7.9	-8.2	-4.6	-4.9	3.3	3.0	9.1	8.4	14.5	12.0	18.4	14.0
0600	-7.7	-8.0	-4.4	-4.7	3.5	3.2	9.3	8.6	14.8	12.1	18.6	14.1
0700	-7.1	-7.5	-3.7	-4.2	4.2	3.6	9.9	8.8	15.4	12.4	19.3	14.3
0800	-5.9	-6.7	-2.6	-3.3	5.3	4.3	11.1	9.3	16.5	12.8	20.4	14.7
0900	-4.3	-5.5	-0.9	-2.0	7.0	5.3	12.7	10.1	18.2	13.4	22.1	15.3
1000	-2.3	-4.2	1.0	-0.7	8.9	6.5	14.7	10.9	20.1	14.2	24.0	16.0
1100	-0.2	-2.7	3.1	0.8	11.0	7.7	16.8	11.7	22.3	14.9	26.1	16.7
1200	1.9	-1.4	5.2	2.3	13.1	8.9	18.9	12.5	24.3	15.7	28.2	17.4
1300	3.4	-0.4	6.7	3.3	14.6	9.7	20.4	13.1	25.8	16.2	29.7	17.9
1400	4.4	0.2	7.7	4.0	15.6	10.2	21.4	13.5	26.8	16.5	30.7	18.2
1500	4.8	0.4	8.1	4.2	16.0	10.4	21.8	13.7	27.2	16.7	31.1	18.3
1600	4.4	0.2	7.7	4.0	15.6	10.2	21.4	13.5	26.8	16.5	30.7	18.2
1700	3.5	-0.4	6.8	3.4	14.7	9.8	20.5	13.2	26.0	16.2	29.8	17.9
1800	2.1	-1.2	5.4	2.5	13.3	9.0	19.1	12.6	24.6	15.8	28.4	17.5
1900	0.5	-2.3	3.8	1.3	11.7	8.1	17.5	12.0	22.9	15.2	26.8	16.9
2000	-1.2	-3.4	2.1	0.1	10.0	7.2	15.8	11.3	21.2	14.6	25.1	16.4
2100	-2.6	-4.3	0.7	-0.9	8.6	6.3	14.4	10.7	19.8	14.1	23.7	15.9
2200	-3.9	-5.2	-0.5	-1.8	7.3	5.6	13.1	10.2	18.6	13.6	22.5	15.5
2300	-4.9	-5.9	-1.6	-2.5	6.3	5.0	12.1	9.8	17.6	13.2	21.4	15.1

Hr	July		August		September		October		November		December	
	DB	WB	DB	WB	DB	WB	DB	WB	DB	WB	DB	WB
0000	22.9	16.1	22.9	16.1	19.1	13.9	12.8	10.5	4.6	3.5	-2.9	-3.7
0100	22.3	15.9	22.3	15.9	18.5	13.7	12.2	10.2	3.9	3.1	-3.5	-4.2
0200	21.6	15.6	21.6	15.6	17.9	13.5	11.5	9.9	3.3	2.7	-4.1	-4.7
0300	21.1	15.5	21.1	15.5	17.3	13.3	11.0	9.7	2.8	2.3	-4.7	-5.0
0400	20.7	15.3	20.7	15.3	17.0	13.1	10.6	9.6	2.4	2.1	-5.0	-5.3
0500	20.6	15.3	20.6	15.3	16.8	13.1	10.5	9.5	2.3	2.0	-5.2	-5.4
0600	20.9	15.4	20.9	15.4	17.1	13.2	10.8	9.6	2.5	2.2	-4.9	-5.2
0700	21.5	15.6	21.5	15.6	17.7	13.4	11.4	9.9	3.2	2.6	-4.3	-4.8
0800	22.6	16.0	22.6	16.0	18.9	13.8	12.5	10.4	4.3	3.3	-3.1	-3.9
0900	24.3	16.6	24.3	16.6	20.5	14.4	14.2	11.1	6.0	4.3	-1.5	-2.7
1000	26.2	17.2	26.2	17.2	22.4	15.1	16.1	11.8	7.9	5.5	0.4	-1.3
1100	28.4	17.9	28.4	17.9	24.6	15.9	18.3	12.7	10.0	6.7	2.6	0.1
1200	30.4	18.5	30.4	18.5	26.6	16.6	20.3	13.5	12.1	7.9	4.6	1.5
1300	31.9	19.0	31.9	19.0	28.2	17.1	21.8	14.0	13.6	8.7	6.2	2.5
1400	33.0	19.3	33.0	19.3	29.2	17.4	22.8	14.4	14.6	9.2	7.2	3.2
1500	33.3	19.4	33.3	19.4	29.6	17.6	23.2	14.6	15.0	9.4	7.6	3.4
1600	33.0	19.3	33.0	19.3	29.2	17.4	22.8	14.4	14.6	9.2	7.2	3.2
1700	32.1	19.1	32.1	19.1	28.3	17.1	22.0	14.1	13.7	8.8	6.3	2.6
1800	30.7	18.6	30.7	18.6	26.9	16.7	20.6	13.6	12.3	8.0	4.9	1.7
1900	29.0	18.1	29.0	18.1	25.2	16.1	18.9	12.9	10.7	7.1	3.2	0.6
2000	27.4	17.6	27.4	17.6	23.6	15.5	17.2	12.3	9.0	6.2	1.6	-0.5
2100	26.0	17.1	26.0	17.1	22.2	15.0	15.8	11.7	7.6	5.3	0.2	-1.5
2200	24.7	16.7	24.7	16.7	20.9	14.6	14.6	11.2	6.3	4.6	-1.1	-2.4
2300	23.7	16.3	23.7	16.3	19.9	14.2	13.6	10.8	5.3	3.9	-2.1	-3.1