

Cooling

The temperature reductions that may be accomplished with evaporative cooling when dry bulb temperature and relative humidity are known.

Deg.C	Relative Humidity %											
21.1	86	77	68	59	51	44	36	29	22	15	9	3
22.2	86	77	69	61	53	45	38	31	24	18	12	6
23.3	86	78	69	61	54	47	39	33	26	20	14	8
24.4	87	78	70	62	55	48	41	34	28	22	16	11
25.6	87	79	71	63	56	49	43	36	30	24	18	13
26.7	87	79	72	64	57	50	44	38	32	26	20	15
27.8	88	80	72	65	58	51	45	39	33	28	22	17
28.9	88	80	73	66	59	52	46	40	35	29	24	19
30.0	88	81	73	66	60	53	47	42	36	31	26	21
31.1	88	81	74	67	61	54	48	43	37	32	27	22
32.2	89	81	74	68	61	55	49	44	39	34	29	24
34.4	89	82	75	69	63	57	51	46	41	36	31	27
35.6	89	82	76	69	63	58	52	47	42	37	32	28
36.7	89	83	76	70	64	58	53	48	43	38	34	29
37.8	89	83	77	70	65	59	54	49	44	39	35	30
38.9	90	85	78	72	67	62	56	51	46	42	36	32
40.0	90	85	78	72	67	62	56	52	47	43	38	33
41.1	90	85	78	73	67	62	57	52	47	43	39	34
42.2	90	85	78	73	67	62	57	53	48	44	40	35
43.3	91	85	79	73	68	63	57	53	49	45	41	37
	1.7	2.8	3.9	5	6.1	7.2	8.3	9.4	10.6	11.7	12.8	13.9

Potential cooling for a given temperature and relative humidity in degrees centigrade.

Be aware that there must be adequate ventilation in the apex roof area of a building being cooled to obtain flash evaporation.