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TENERIFE SUR, Spain

WMO#: **600250**

Lat: **28.05N** Long: **16.57W** Elev: **77** StdP: **100.4** Time Zone: **0.00 (GMT)** Period: **86-10** WBAN: **99999**

Annual Heating and Humidification Design Conditions

	Coldest Month	Heating DB		Humidification DP/MCDB and HR						Coldest month WS/MCDB				MCWS/PCWD to 99.6% DB		
				99.6%			99%			0.4%		1%				
		99.6%	99%	DP	HR	MCDB	DP	HR	MCDB	WS	MCDB	WS	MCDB	MCWS	PCWD	
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	
(1)	1	13.9	14.5	-1.2	3.4	22.9	1.9	4.4	22.1	14.4	19.9	13.1	19.4	3.5	10	(1)

Annual Cooling, Dehumidification, and Enthalpy Design Conditions

	Hottest Month	Hottest Month DB Range	Cooling DB/MCWB						Evaporation WB/MCDB						MCWS/PCWD to 0.4% DB		
			0.4%		1%		2%		0.4%		1%		2%				
			DB	MCWB	DB	MCWB	DB	MCWB	WB	MCDB	WB	MCDB	WB	MCDB	MCWS	PCWD	
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
(2)	8	6.8	32.7	19.7	30.1	19.7	28.7	20.5	23.5	27.7	22.8	26.8	22.3	26.3	8.9	60	(2)

	Dehumidification DP/MCDB and HR									Enthalpy/MCDB						Hours 8 to 4 & 12.8/20.6	
	0.4%			1%			2%			0.4%		1%		2%			
	DP	HR	MCDB	DP	HR	MCDB	DP	HR	MCDB	Enth	MCDB	Enth	MCDB	Enth	MCDB		
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
(3)	22.1	16.9	26.3	21.2	16.0	25.4	20.9	15.7	25.1	70.4	27.8	67.8	27.0	65.6	26.7	812	(3)

Extreme Annual Design Conditions

	Extreme Annual WS			Extreme Max WB	Extreme Annual DB				n-Year Return Period Values of Extreme DB								
					Mean		Standard deviation		n=5 years		n=10 years		n=20 years		n=50 years		
	1%	2.5%	5%		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
(4)	13.4	12.2	11.2	27.0	11.5	37.5	1.1	3.5	10.7	40.0	10.1	42.1	9.4	44.1	8.6	46.7	(4)

Monthly Climatic Design Conditions

				Annual (d)	Jan (e)	Feb (f)	Mar (g)	Apr (h)	May (i)	Jun (j)	Jul (k)	Aug (l)	Sep (m)	Oct (n)	Nov (o)	Dec (p)	
(5)	Temperatures, Degree-Days and Degree-Hours	Tavg		21.4	18.5	18.6	19.4	19.6	20.5	22.1	24.0	24.8	24.4	23.3	21.5	19.7	(5)
(6)		Sd			1.41	1.72	2.22	1.72	1.59	1.28	1.86	1.85	1.67	1.49	1.65	1.28	(6)
(7)		HDD10.0		0	0	0	0	0	0	0	0	0	0	0	0	0	(7)
(8)		HDD18.3		44	15	13	9	3	1	0	0	0	0	0	1	3	(8)
(9)		CDD10.0		4155	263	242	291	287	327	364	434	458	433	412	344	300	(9)
(10)		CDD18.3		1157	19	22	41	40	69	114	176	200	183	154	94	44	(10)
(11)		CDH23.3		5119	16	54	198	117	160	334	1016	1293	1032	633	231	35	(11)
(12)		CDH26.7		1017	0	4	48	39	37	32	232	309	195	90	30	1	(12)
(13)	Precipitation	PrecAvg		286	46	39	35	14	9	1	1	2	9	26	50	56	(13)
(14)		PrecMax		518	170	112	127	52	68	33	20	62	92	158	177	129	(14)
(15)		PrecMin		154	8	9	2	5	1	1	1	0	3	11	7	8	(15)
(16)		PrecSD		118.2	58.3	31.2	40.3	14.8	16.9	8.0	5.0	14.5	20.0	46.2	40.7	37.4	(16)
(17)	Monthly Design Dry Bulb and Mean Coincident Wet Bulb Temperatures	0.4%	DB		25.1	27.1	30.2	31.9	31.0	29.9	36.4	36.1	35.5	32.2	30.1	25.9	(17)
(18)			MCWB		15.0	15.9	17.0	17.0	17.0	19.8	18.6	20.8	20.0	19.3	18.7	16.3	(18)
(19)		2%	DB		23.2	25.0	27.9	26.0	26.2	27.1	31.1	31.9	30.1	28.9	27.1	24.1	(19)
(20)			MCWB		15.7	15.1	16.1	17.5	18.7	20.3	19.9	21.0	20.9	20.2	17.9	17.4	(20)
(21)		5%	DB		22.1	23.1	25.7	23.9	24.8	26.0	28.9	29.1	28.2	27.1	25.7	23.1	(21)
(22)			MCWB		15.9	15.5	15.4	17.7	18.6	20.0	20.1	21.7	21.7	20.9	18.6	17.4	(22)
(23)		10%	DB		21.2	21.9	23.1	22.7	23.8	25.1	27.1	28.0	27.2	26.1	24.2	22.2	(23)
(24)			MCWB		15.6	16.1	16.5	17.0	18.2	19.6	20.8	21.6	21.5	20.5	18.5	17.0	(24)
(25)	Monthly Design Wet Bulb and Mean Coincident Dry Bulb Temperatures	0.4%	WB		19.5	19.5	19.8	19.9	21.5	22.4	24.2	24.6	24.1	23.2	22.1	20.8	(25)
(26)			MCDB		22.3	22.0	23.3	24.5	25.2	26.3	28.9	29.7	27.9	26.5	25.3	22.7	(26)
(27)		2%	WB		18.3	18.5	18.7	19.0	20.4	21.3	22.7	23.6	23.3	22.4	21.0	19.8	(27)
(28)			MCDB		21.3	21.5	22.6	23.2	24.1	25.2	26.7	28.1	27.1	25.9	24.3	22.1	(28)
(29)		5%	WB		17.4	17.7	18.1	18.3	19.5	20.7	22.1	22.8	22.6	21.9	20.2	19.0	(29)
(30)			MCDB		20.5	21.0	22.3	22.3	23.2	24.7	26.1	27.2	26.5	25.4	23.7	21.5	(30)
(31)		10%	WB		16.6	17.0	17.4	17.6	18.7	20.1	21.4	22.2	22.1	21.2	19.6	18.2	(31)
(32)			MCDB		19.9	20.4	21.5	21.4	22.4	24.0	25.7	26.5	26.1	24.7	23.2	21.2	(32)
(33)	Mean Daily Temperature Range		MDBR		6.0	6.5	6.9	6.5	6.4	6.3	7.0	6.8	6.3	6.2	6.1	5.8	(33)
(34)		5% DB	MCDBR		6.8	8.1	9.7	8.3	8.0	7.5	9.5	8.6	7.4	7.3	7.2	6.6	(34)
(35)			MCWBR		5.4	5.7	5.7	4.6	4.5	4.1	4.8	4.5	4.3	4.4	5.0	5.0	(35)
(36)		5% WB	MCDBR		6.4	7.0	7.7	7.4	7.1	6.9	7.4	7.4	6.9	6.4	6.5	5.7	(36)
(37)			MCWBR		5.5	5.4	5.3	4.7	4.6	4.2	4.5	4.5	4.5	4.4	4.8	4.8	(37)
(38)	Clear Sky Solar Irradiance	taub			0.398	0.430	0.447	0.407	0.375	0.411	0.504	0.465	0.426	0.394	0.406	0.394	(38)
(39)		taud			2.476	2.316	2.195	2.287	2.394	2.227	1.945	2.114	2.332	2.506	2.487	2.535	(39)
(40)		Ebn,noon			840	838	845	891	914	877	797	828	853	866	824	829	(40)
(41)		Edh,noon			96	120	143	135	121	142	189	158	123	98	94	87	(41)

Nomenclature: See separate page