Slovenia

CELJE	140230	46.237N	15.226E	244m
CERKLJE OB KRKI	141220	45.901N	15.516E	162m
CRNOMELJ	141200	45.567N	15.150E	157m
KATARINA	140121	46.094N	14.371E	685m
KREDARICA	140080	46.379N	13.849E	2515m
LESCE	140100	46.367N	14.183E	515m
LISCA	140240	46.068N	15.285E	941m
LJUBLJANA BEZIGRAD	140150	46.066N	14.512E	298m
LJUBLJANA BRNIK	140140	46.218N	14.473E	388m
MARIBOR SLIVNICA	140260	46.480N	15.682E	267m
MURSKA SOBOTA	140310	46.652N	16.191E	187m
NOVA GORICA	141060	45.895N	13.624E	56m
NOVO MESTO	141210	45.802N	15.177E	220m
PORTOROZ SECOVLJE	141050	45.475N	13.616E	2m
POSTOJNA	141120	45.767N	14.200E	533m
RATECE	140070	46.500N	13.717E	865m
SLOVENJ GRADEC	140210	46.490N	15.111E	444m
VOGEL	140061	46.264N	13.841E	1535m

CELJE, Slovenia

WMO: **140230**

Lat: **46.237N** Lon: **15.226E** Elev: **244** StdP: **98.43** Time Zone: **1.00 (EUC)** Period: **2012-2023** Grade: **B** WBAN: **99999**

Annual Heating, Humidification, and Ventilation Design Conditions

	Coldest Month	Heating DB		Humidification DP/MCDB and HR						Coldest Month WS/MCDB				MCWS/PCWD to 99.6% DB		WSF	
				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)	(p)	
(1)	1	-9.3	-6.8	-12.9	1.3	-6.7	-9.8	1.7	-3.0	8.1	9.2	7.3	9.2	0.8	250	0.453	(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)	7	13.0	32.4	22.2	30.7	21.6	29.1	20.9	23.2	30.4	22.3	29.1	21.4	27.9	2.4	100	(2)

	Dehumidification DP/MCDB and HR									Enthalpy/MCDB						Extreme Max WB	
	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)	20.9	16.1	26.9	20.0	15.2	26.2	19.2	14.4	24.6	70.4	30.7	66.9	29.3	63.3	27.9	26.3	(3)

Extreme Annual Design Conditions

	Extreme Annual WS				Extreme Annual Temperature				n-Year Return Period Values of Extreme Temperature								
					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)		(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
(4)	6.8	5.6	4.6	DB	-14.0	35.1	4.2	2.0	-17.0	36.6	-19.4	37.8	-21.7	39.0	-24.8	40.4	(4)
(5)				WB	-14.3	24.9	4.2	1.3	-17.3	25.8	-19.8	26.5	-22.1	27.2	-25.1	28.2	(5)

Monthly Climatic Design Conditions

				Annual	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
				(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
(6)	Temperatures and Degree-Days	DBAvg		11.4	1.1	3.3	6.3	10.8	14.9	19.8	21.6	21.0	16.3	12.2	6.8	2.1	(6)
(7)		DBStd		7.96	4.28	3.90	3.81	3.76	3.13	2.94	2.63	2.97	3.16	3.55	3.99	3.75	(7)
(8)		HDD10.0		1004	278	189	123	36	3	0	0	0	1	19	111	246	(8)
(9)		HDD18.3		2814	536	421	373	225	113	17	4	11	76	190	346	503	(9)
(10)		CDD10.0		1515	1	1	9	61	154	295	359	341	189	88	15	1	(10)
(11)		CDD18.3		284	0	0	0	0	7	62	106	93	15	1	0	0	(11)
(12)	Wind	WSAvg		1.7	1.6	1.9	2.0	2.1	1.8	1.7	1.6	1.4	1.4	1.5	1.5	1.5	(12)
(13)	Precipitation	PrecAvg		1115	52	60	75	77	95	133	117	120	126	102	85	72	(13)
(14)		PrecMax		1436	156	158	143	130	178	266	233	239	301	205	233	171	(14)
(15)		PrecMin		705	0	6	4	5	34	34	37	17	26	4	0	28	(15)
(16)		PrecStd		166	38	40	39	36	32	56	52	59	67	56	61	39	(16)
(17)	Monthly Design Dry Bulb and Mean Coincident Wet Bulb Temperatures	0.4%	DB		14.0	16.9	21.8	25.5	28.1	33.1	34.4	35.1	28.8	24.3	19.5	14.1	(17)
(18)			MCWB		9.4	8.7	11.6	15.1	19.1	21.8	22.6	22.7	20.1	17.7	13.5	10.1	(18)
(19)		2%	DB		11.5	13.6	19.3	23.1	25.8	31.1	32.4	32.3	27.0	22.2	16.6	12.1	(19)
(20)			MCWB		8.3	8.6	10.9	13.8	17.7	21.5	22.2	22.4	19.4	16.5	12.7	8.9	(20)
(21)		5%	DB		9.8	12.1	16.3	21.1	24.1	29.3	30.7	30.4	25.3	20.4	14.9	10.7	(21)
(22)			MCWB		6.9	8.0	9.8	13.2	16.6	20.7	21.7	21.7	18.6	15.5	11.9	7.9	(22)
(23)		10%	DB		8.0	10.6	14.0	19.0	22.4	27.4	29.0	28.5	23.4	18.7	13.0	8.4	(23)
(24)			MCWB		5.9	7.0	8.7	12.1	15.6	19.6	20.7	21.0	17.8	14.6	11.0	6.2	(24)
(25)	Monthly Design Wet Bulb and Mean Coincident Dry Bulb Temperatures	0.4%	WB		10.2	10.3	12.7	16.4	20.2	23.6	24.5	24.6	21.1	18.2	14.5	10.5	(25)
(26)			MCDB		13.0	14.5	20.3	23.9	26.4	31.1	31.9	31.7	27.2	23.5	17.5	13.4	(26)
(27)		2%	WB		8.8	9.3	11.3	14.7	18.6	22.3	23.2	23.4	20.1	17.1	13.4	9.3	(27)
(28)			MCDB		11.2	13.0	17.7	21.3	24.8	29.6	30.3	30.4	25.9	21.6	16.0	12.0	(28)
(29)		5%	WB		7.5	8.4	10.2	13.6	17.2	21.2	22.3	22.4	19.2	16.0	12.5	8.0	(29)
(30)			MCDB		9.5	12.0	15.7	19.6	22.8	27.8	29.3	28.7	24.4	19.7	14.8	10.6	(30)
(31)		10%	WB		6.0	7.2	9.1	12.7	16.2	20.2	21.3	21.3	18.2	15.0	11.0	6.3	(31)
(32)			MCDB		7.9	10.4	13.6	17.9	21.5	26.5	27.9	27.5	22.5	18.2	13.0	8.1	(32)
(33)	Mean Daily Temperature Range		MDBR		8.3	9.6	12.2	12.7	11.4	12.7	13.0	12.7	11.6	10.6	7.6	7.9	(33)
(34)		5% DB	MCDBR		11.0	13.9	17.4	17.2	15.0	15.6	15.8	16.1	14.8	12.8	11.3	10.8	(34)
(35)			MCWBR		7.6	9.0	10.0	8.9	7.5	7.0	6.7	7.1	7.8	7.5	7.4	7.5	(35)
(36)		5% WB	MCDBR		10.0	12.3	15.5	14.4	13.7	14.8	14.6	14.9	13.7	12.1	10.1	9.9	(36)
(37)			MCWBR		7.0	8.2	9.0	7.6	7.1	6.9	6.7	7.2	7.3	7.3	6.8	7.0	(37)
(38)	Clear-Sky Solar Irradiance	taub			0.317	0.343	0.380	0.421	0.435	0.448	0.447	0.437	0.415	0.382	0.354	0.314	(38)
(39)		taud			2.457	2.354	2.270	2.168	2.184	2.197	2.217	2.245	2.281	2.335	2.407	2.494	(39)
(40)		Ebn at Noon			778	820	836	831	831	820	815	807	790	761	717	742	(40)
(41)		Edh at Noon			68	91	115	139	141	140	136	127	113	92	72	60	(41)
(42)	All-Sky Solar Radiation	RadAvg			1.29	2.12	3.32	4.40	5.10	5.90	6.02	5.13	3.72	2.44	1.30	1.02	(42)
(43)		RadStd			0.21	0.34	0.44	0.53	0.52	0.45	0.39	0.54	0.50	0.27	0.21	0.16	(43)

Historical Trends

			DBAvg	Heating		Cooling			Degree-Days			
				99% DB	99% DP	1% DB	1% WB	1% DP	HDD10.0	HDD18.3	CDD10.0	CDD18.3
			(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	
(44)	Station	Trend	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	(44)
(45)		Variability	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	(45)
(46)	Regional Trend (48 neighbors)		+0.55	+1.57	N/S	N/S	+0.46	+0.52	-149	-185	+98	+61	(46)

Nomenclature: See separate page

CERKLJE OB KRKI, Slovenia

WMO: **141220**

Lat: **45.9009N** Lon: **15.5160E** Elev: **162** StdP: **99.40** Time Zone: **1.00 (EUC)** Period: **2005-2023** Grade: **A** WBAN: **99999**

Annual Heating, Humidification, and Ventilation Design Conditions

	Coldest Month	Heating DB		Humidification DP/MCDB and HR						Coldest Month WS/MCDB				MCWS/PCWD to 99.6% DB		WSF	
		99.6%	99%	99.6%			99%			0.4%		1%					
				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)	(p)	
(1)	1	-9.9	-7.2	-13.1	1.2	-7.8	-10.3	1.6	-4.0	8.0	10.3	6.8	8.4	1.5	110	0.452	(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)	7	12.7	33.5	22.0	31.8	21.7	30.1	21.1	23.4	30.7	22.5	29.6	21.7	28.5	2.8	260	(2)

	Dehumidification DP/MCDB and HR									Enthalpy/MCDB						Extreme Max WB	
	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)	21.1	16.1	27.1	20.2	15.2	26.2	19.3	14.4	24.9	70.4	30.4	66.7	29.8	63.6	28.6	26.9	(3)

Extreme Annual Design Conditions

	Extreme Annual WS				Extreme Annual Temperature				n-Year Return Period Values of Extreme Temperature								
					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)		(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
(4)	7.0	5.8	4.9	DB	-14.0	36.0	4.5	2.1	-17.3	37.5	-19.9	38.7	-22.4	39.9	-25.7	41.4	(4)
(5)				WB	-14.4	25.1	4.5	1.0	-17.6	25.8	-20.2	26.4	-22.7	27.0	-26.0	27.7	(5)

Monthly Climatic Design Conditions

				Annual	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
				(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
(6)	Temperatures and Degree-Days		DBAvg	11.8	1.2	3.1	6.9	11.7	15.8	20.5	22.3	21.7	16.9	12.1	6.9	2.3	(6)
(7)			DBStd	8.28	4.40	4.51	4.11	3.57	3.32	3.23	2.98	2.99	3.29	3.83	4.26	4.29	(7)
(8)			HDD10.0	978	273	196	110	23	2	0	0	0	0	23	111	239	(8)
(9)			HDD18.3	2726	531	427	354	199	92	15	4	7	64	193	343	496	(9)
(10)			CDD10.0	1648	1	2	14	75	182	314	381	362	208	90	17	2	(10)
(11)			CDD18.3	355	0	0	0	1	14	79	127	111	23	1	0	0	(11)
(12)	Wind		WSAvg	1.8	1.7	2.0	2.3	2.1	2.0	1.8	1.7	1.6	1.5	1.5	1.6	1.6	(12)
(13)	Precipitation		PrecAvg	1038	53	62	60	75	93	101	95	98	118	105	103	76	(13)
(14)			PrecMax	1517	162	180	150	177	174	167	168	217	258	237	213	123	(14)
(15)			PrecMin	673	8	6	12	5	27	39	44	16	25	9	6	3	(15)
(16)			PrecStd	156	34	44	33	37	38	30	33	51	62	56	45	36	(16)
(17)	Monthly Design Dry Bulb and Mean Coincident Wet Bulb Temperatures	0.4%	DB	14.6	17.5	22.1	26.5	29.8	34.1	35.6	36.1	30.3	25.7	19.9	15.7	(17)	
(18)			MCWB	10.0	10.1	12.4	16.0	20.1	22.4	22.2	21.3	20.3	17.9	14.6	11.6	(18)	
(19)		2%	DB	12.4	14.5	19.6	24.0	27.5	32.1	33.8	33.2	27.9	23.0	17.3	13.0	(19)	
(20)			MCWB	8.9	9.0	11.3	14.4	18.5	21.7	22.0	21.9	19.7	17.2	12.9	9.7	(20)	
(21)		5%	DB	10.5	12.5	17.2	22.1	25.6	30.2	32.0	31.2	26.0	20.9	14.9	10.9	(21)	
(22)			MCWB	7.9	8.1	10.5	13.6	17.4	21.1	21.7	21.6	18.8	16.1	12.0	8.4	(22)	
(23)		10%	DB	8.1	10.5	14.8	19.9	23.6	28.3	30.1	29.2	24.1	18.6	13.0	8.5	(23)	
(24)			MCWB	6.3	7.1	9.3	12.8	16.6	20.1	21.1	20.9	18.0	14.8	10.8	7.0	(24)	
(25)	Monthly Design Wet Bulb and Mean Coincident Dry Bulb Temperatures	0.4%	WB	10.6	11.2	13.2	17.0	20.8	24.3	24.5	24.4	21.4	18.9	15.1	11.8	(25)	
(26)			MCDB	13.9	16.1	20.5	25.3	27.7	31.1	32.4	31.4	27.8	24.4	18.5	15.4	(26)	
(27)		2%	WB	9.3	9.7	11.9	15.3	19.4	22.9	23.4	23.3	20.4	17.5	13.8	9.9	(27)	
(28)			MCDB	11.9	13.7	18.6	22.1	26.4	30.2	31.0	30.3	26.7	22.2	16.6	12.6	(28)	
(29)		5%	WB	8.1	8.5	10.9	14.2	18.2	21.7	22.5	22.4	19.4	16.4	12.4	8.5	(29)	
(30)			MCDB	10.3	11.7	16.4	20.5	24.3	28.6	29.9	29.1	25.0	20.3	14.8	10.5	(30)	
(31)		10%	WB	6.5	7.4	9.7	13.2	17.0	20.7	21.6	21.4	18.5	15.3	11.1	7.1	(31)	
(32)			MCDB	8.0	10.3	14.2	18.7	22.5	27.1	28.6	27.9	23.1	18.3	12.9	8.4	(32)	
(33)	Mean Daily Temperature Range		MDBR	7.5	9.4	11.8	12.8	11.8	12.2	12.7	12.5	11.3	10.3	7.4	7.0	(33)	
(34)		5% DB	MCDBR	11.1	14.0	16.7	17.5	15.4	15.0	15.8	16.0	14.6	13.1	11.0	10.7	(34)	
(35)			MCWBR	7.8	9.0	9.5	9.0	7.5	6.4	5.9	6.1	7.0	7.7	7.2	7.5	(35)	
(36)		5% WB	MCDBR	10.1	12.3	14.6	15.0	14.2	14.1	14.3	14.1	13.2	12.4	10.1	10.0	(36)	
(37)			MCWBR	7.2	8.3	8.5	7.9	7.1	6.4	6.1	6.2	6.5	7.4	6.7	7.1	(37)	
(38)	Clear-Sky Solar Irradiance	taub		0.327	0.352	0.387	0.422	0.436	0.447	0.445	0.435	0.418	0.387	0.363	0.323	(38)	
(39)		taud		2.442	2.352	2.248	2.164	2.174	2.195	2.215	2.244	2.275	2.319	2.380	2.483	(39)	
(40)		Ebn at Noon		768	812	829	831	831	821	817	810	789	757	708	734	(40)	
(41)		Edh at Noon		70	92	118	140	143	141	136	128	114	95	75	62	(41)	
(42)	All-Sky Solar Radiation	RadAvg		1.27	2.07	3.29	4.42	5.15	6.03	6.15	5.24	3.76	2.44	1.30	1.02	(42)	
(43)		RadStd		0.22	0.35	0.48	0.55	0.54	0.46	0.40	0.57	0.49	0.27	0.20	0.17	(43)	

Historical Trends

			DBAvg	Heating		Cooling			Degree-Days				
				99% DB	99% DP	1% DB	1% WB	1% DP	HDD10.0	HDD18.3	CDD10.0	CDD18.3	
			(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	
(44)	Station	Trend	+0.57	N/S	N/S	N/S	+0.62	+0.81	N/A	N/A	N/A	N/A	(44)
(45)		Variability	0.5	2.6	2.5	1.1	0.5	0.7	N/A	N/A	N/A	N/A	(45)
(46)	Regional Trend (52 neighbors)		+0.56	+1.37	N/S	N/S	+0.43	+0.45	-131	-181	+110	+69	(46)

Nomenclature: See separate page

CRNOMELJ, Slovenia

WMO: **141200**

Lat: **45.567N** Lon: **15.150E** Elev: **157** StdP: **99.45** Time Zone: **1.00 (EUC)** Period: **2012-2023** Grade: **B** WBAN: **99999**

Annual Heating, Humidification, and Ventilation Design Conditions

	Coldest Month	Heating DB		Humidification DP/MCDB and HR						Coldest Month WS/MCDB				MCWS/PCWD to 99.6% DB		WSF	
		99.6%	99%	99.6%			99%			0.4%		1%					
				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)	(p)	
(1)	1	-8.0	-5.8	-10.9	1.5	-5.1	-8.2	1.9	-2.8	6.5	9.5	5.5	10.3	0.5	60	0.409	(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)	7	12.4	33.2	22.9	31.6	22.4	29.9	21.8	24.1	31.0	23.2	29.9	22.4	28.6	2.0	230	(2)

	Dehumidification DP/MCDB and HR									Enthalpy/MCDB						Extreme Max WB	
	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)	21.9	16.9	28.3	21.0	16.0	26.9	20.2	15.2	25.7	73.4	31.2	69.7	30.0	66.4	28.7	27.2	(3)

Extreme Annual Design Conditions

	Extreme Annual WS				Extreme Annual Temperature				n-Year Return Period Values of Extreme Temperature								
					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)		(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
(4)	5.7	4.7	3.8	DB	-13.1	36.1	3.8	2.2	-15.8	37.7	-18.1	39.0	-20.2	40.2	-23.0	41.8	(4)
(5)				WB	-13.5	26.0	4.0	0.9	-16.4	26.6	-18.7	27.1	-20.9	27.6	-23.8	28.3	(5)

Monthly Climatic Design Conditions

				Annual	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
				(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
(6)	Temperatures and Degree-Days	DBAvg		12.3	2.2	4.0	7.2	11.8	15.9	20.9	22.5	22.1	17.0	12.9	7.6	3.3	(6)
(7)		DBStd		8.04	4.50	4.06	4.03	3.96	3.32	3.07	2.79	3.14	3.28	3.55	3.87	4.28	(7)
(8)		HDD10.0		865	245	172	103	27	1	0	0	0	1	13	91	212	(8)
(9)		HDD18.3		2571	501	401	344	198	89	9	3	6	62	171	321	466	(9)
(10)		CDD10.0		1720	3	4	18	82	185	328	389	374	211	103	20	4	(10)
(11)		CDD18.3		383	0	0	0	2	15	87	133	121	23	2	0	0	(11)
(12)	Wind	WSAvg		1.0	0.7	1.1	1.3	1.4	1.2	1.2	1.1	0.8	0.8	0.8	0.6	0.7	(12)
(13)	Precipitation	PrecAvg		1311	80	89	78	103	110	108	98	113	147	139	134	112	(13)
(14)		PrecMax		1793	213	243	177	221	224	225	262	266	385	424	254	231	(14)
(15)		PrecMin		860	10	1	14	11	33	42	26	6	36	15	8	1	(15)
(16)		PrecStd		188	49	62	43	50	48	47	53	64	89	90	60	58	(16)
(17)	Monthly Design Dry Bulb and Mean Coincident Wet Bulb Temperatures	0.4%	DB	15.5	16.9	22.7	26.7	29.0	33.8	35.2	35.7	29.5	25.7	20.1	16.6	(17)	
(18)			MCWB	10.7	10.1	12.6	15.8	19.6	23.4	23.0	23.0	20.8	18.4	14.3	11.8	(18)	
(19)		2%	DB	13.7	14.9	19.9	24.0	26.7	31.7	33.4	33.2	27.8	23.1	17.5	14.2	(19)	
(20)			MCWB	9.6	10.1	11.5	14.3	18.5	22.8	22.8	23.2	20.1	17.1	13.2	10.5	(20)	
(21)		5%	DB	12.0	13.6	17.4	21.8	24.8	30.0	31.7	31.2	26.1	21.3	15.4	12.5	(21)	
(22)			MCWB	8.7	9.3	10.5	13.6	17.5	22.0	22.3	22.4	19.4	16.3	12.7	9.4	(22)	
(23)		10%	DB	9.8	12.0	15.0	19.7	22.9	28.1	29.9	29.2	24.1	19.6	13.5	10.3	(23)	
(24)			MCWB	7.6	7.9	9.7	12.5	16.2	20.8	21.8	21.7	18.4	15.3	11.7	8.2	(24)	
(25)	Monthly Design Wet Bulb and Mean Coincident Dry Bulb Temperatures	0.4%	WB	11.2	11.6	13.4	17.0	21.3	25.4	25.0	25.3	21.8	19.1	15.2	12.1	(25)	
(26)			MCDB	14.3	15.4	21.3	25.3	27.0	31.5	32.3	32.5	27.7	24.2	17.9	15.7	(26)	
(27)		2%	WB	10.2	10.6	12.1	15.4	19.3	23.8	23.9	24.0	20.7	17.6	14.3	10.9	(27)	
(28)			MCDB	13.2	14.3	18.6	21.8	25.2	30.1	31.2	30.8	26.4	22.3	16.5	14.1	(28)	
(29)		5%	WB	9.2	9.6	11.0	14.3	18.1	22.5	23.1	23.0	19.8	16.6	13.2	9.7	(29)	
(30)			MCDB	11.7	13.4	16.4	19.7	23.7	28.6	30.2	29.6	25.0	20.6	15.1	12.2	(30)	
(31)		10%	WB	7.7	8.3	10.0	13.4	16.9	21.3	22.2	22.2	18.9	15.6	11.7	8.3	(31)	
(32)			MCDB	10.0	11.7	14.9	18.5	22.0	27.0	28.7	28.2	23.2	18.9	13.5	10.5	(32)	
(33)	Mean Daily Temperature Range		MDBR	7.9	9.0	11.4	12.0	10.6	11.8	12.4	12.1	11.2	10.4	7.3	7.6	(33)	
(34)		5% DB	MCDBR	11.2	13.6	16.9	16.6	14.0	14.3	15.5	15.6	14.8	13.6	11.9	10.9	(34)	
(35)			MCWBR	7.5	8.6	9.3	8.3	6.9	6.8	6.8	6.5	7.6	7.9	7.4	7.5	(35)	
(36)		5% WB	MCDBR	9.8	11.3	14.5	13.8	12.7	13.3	14.6	14.2	13.3	12.6	10.3	10.1	(36)	
(37)			MCWBR	6.8	7.4	8.4	7.0	6.6	6.8	6.9	6.5	7.0	7.6	6.7	7.1	(37)	
(38)	Clear-Sky Solar Irradiance	taub		0.329	0.353	0.394	0.430	0.442	0.452	0.449	0.439	0.422	0.392	0.366	0.325	(38)	
(39)		taud		2.396	2.279	2.235	2.153	2.170	2.191	2.216	2.252	2.273	2.313	2.381	2.457	(39)	
(40)		Ebn at Noon		764	808	824	824	826	818	815	808	786	754	709	733	(40)	
(41)		Edh at Noon		74	99	120	141	144	142	136	127	115	96	76	64	(41)	
(42)	All-Sky Solar Radiation	RadAvg		1.25	2.02	3.26	4.44	5.20	6.16	6.27	5.35	3.80	2.43	1.30	1.02	(42)	
(43)		RadStd		0.23	0.36	0.51	0.56	0.56	0.47	0.41	0.59	0.49	0.27	0.19	0.17	(43)	

Historical Trends

			DBAvg	Heating		Cooling			Degree-Days				
				99% DB	99% DP	1% DB	1% WB	1% DP	HDD10.0	HDD18.3	CDD10.0	CDD18.3	
			(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	
(44)	Station	Trend	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	(44)
(45)		Variability	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	(45)
(46)	Regional Trend (46 neighbors)		+0.55	+1.24	N/S	N/S	+0.45	+0.46	-124	-173	+106	+70	(46)

Nomenclature: See separate page

KATARINA, Slovenia

WMO: **140121**

Lat: **46.0941N** Lon: **14.3713E** Elev: **685** StdP: **93.36** Time Zone: **1.00 (EUC)** Period: **2004-2023** Grade: **D** WBAN: **99999**

Annual Heating, Humidification, and Ventilation Design Conditions

	Coldest Month	Heating DB		Humidification DP/MCDB and HR						Coldest Month WS/MCDB				MCWS/PCWD to 99.6% DB		WSF	
		99.6%	99%	99.6% DP	99.6% HR	99.6% MCDB	99% DP	99% HR	99% MCDB	0.4% WS	0.4% MCDB	1% WS	1% MCDB	MCWS	PCWD		
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
(1)	1	-8.7	-6.7	N/A	N/A	N/A	N/A	N/A	N/A	4.9	2.2	3.9	2.3	1.3	70	0.413	(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% DB	0.4% MCWB	1% DB	1% MCWB	2% DB	2% MCWB	0.4% WB	0.4% MCDB	1% WB	1% MCDB	2% WB	2% MCDB	MCWS	PCWD	
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
(2)	7	8.6	29.6	N/A	27.7	N/A	26.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.7	130	(2)

	Dehumidification DP/MCDB and HR									Enthalpy/MCDB						Extreme Max WB	
	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)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	(3)

Extreme Annual Design Conditions

	Extreme Annual WS				Extreme Annual Temperature				n-Year Return Period Values of Extreme Temperature								
					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)		(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
(4)	3.8	2.9	2.3	DB	-10.8	32.4	4.1	1.6	-13.8	33.5	-16.2	34.5	-18.5	35.3	-21.5	36.5	(4)
(5)				WB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	(5)

Monthly Climatic Design Conditions

				Annual	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
				(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
(6)	Temperatures and Degree-Days	DBAvg		10.3	0.6	2.0	5.3	9.8	13.2	18.7	20.3	19.6	15.4	10.9	5.6	2.0	(6)
(7)		DBStd		7.93	4.19	4.42	4.72	4.02	3.85	3.69	3.31	3.74	3.63	3.80	3.98	3.70	(7)
(8)		HDD10.0		1158	291	224	153	52	13	0	0	0	3	37	138	248	(8)
(9)		HDD18.3		3135	549	457	403	255	163	41	18	31	100	232	381	506	(9)
(10)		CDD10.0		1282	0	1	9	47	113	260	318	298	166	63	7	1	(10)
(11)		CDD18.3		217	0	0	0	0	5	51	78	70	13	0	0	0	(11)
(12)	Wind	WSAvg		0.4	0.4	1.1	0.4	0.5	0.4	0.3	0.3	0.2	0.4	0.4	0.7	0.4	(12)
(13)	Precipitation	PrecAvg		1679	86	103	110	125	135	140	145	146	192	176	180	142	(13)
(14)		PrecMax		2411	253	339	248	237	300	239	279	347	596	577	466	278	(14)
(15)		PrecMin		1181	4	1	7	7	40	30	45	42	29	14	7	0	(15)
(16)		PrecStd		273	57	79	71	59	64	57	63	79	128	127	103	79	(16)
(17)	Monthly Design Dry Bulb and Mean Coincident Wet Bulb Temperatures	0.4%	DB	11.2	14.0	18.7	22.7	25.6	30.3	31.3	32.5	26.5	21.8	16.4	12.2		(17)
(18)			MCWB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		(18)
(19)		2%	DB	8.8	11.0	15.9	20.0	23.2	28.2	29.6	29.5	23.7	19.2	13.4	10.0		(19)
(20)			MCWB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		(20)
(21)		5%	DB	7.2	9.0	13.5	17.7	21.3	26.3	27.6	27.3	21.9	17.2	11.8	8.6		(21)
(22)			MCWB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		(22)
(23)		10%	DB	6.1	7.3	11.6	15.7	19.3	24.5	25.9	25.1	20.4	15.7	10.7	7.3		(23)
(24)			MCWB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		(24)
(25)	Monthly Design Wet Bulb and Mean Coincident Dry Bulb Temperatures	0.4%	WB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		(25)
(26)			MCDB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		(26)
(27)		2%	WB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		(27)
(28)			MCDB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		(28)
(29)		5%	WB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		(29)
(30)			MCDB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		(30)
(31)		10%	WB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		(31)
(32)			MCDB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		(32)
(33)	Mean Daily Temperature Range		MDBR	5.1	6.2	7.5	7.8	8.2	8.2	8.6	8.4	7.4	6.2	4.8	4.9		(33)
(34)		5% DB	MCDBR	6.2	7.8	10.0	10.4	10.3	9.8	10.4	10.7	8.6	7.6	5.9	6.0		(34)
(35)			MCWBR	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		(35)
(36)		5% WB	MCDBR	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		(36)
(37)			MCWBR	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		(37)
(38)	Clear-Sky Solar Irradiance	taub		0.295	0.318	0.354	0.393	0.405	0.416	0.417	0.406	0.385	0.356	0.328	0.293		(38)
(39)		taud		2.489	2.392	2.345	2.247	2.247	2.263	2.271	2.310	2.350	2.410	2.473	2.525		(39)
(40)		Ebn at Noon		813	853	867	859	859	849	842	837	823	796	759	777		(40)
(41)		Edh at Noon		66	88	106	128	133	131	129	119	105	86	67	58		(41)
(42)	All-Sky Solar Radiation	RadAvg		1.30	2.12	3.34	4.43	5.13	5.96	6.08	5.19	3.76	2.46	1.32	1.04		(42)
(43)		RadStd		0.22	0.34	0.45	0.54	0.54	0.46	0.39	0.55	0.48	0.27	0.21	0.17		(43)

Historical Trends

		DBAvg	Heating		Cooling			Degree-Days			
			99% DB	99% DP	1% DB	1% WB	1% DP	HDD10.0	HDD18.3	CDD10.0	CDD18.3
		(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)
(44)	Station Trend	+0.69	+1.53	N/A	N/S	N/A	N/A	-210	-288	+156	N/S	(44)
(45)	Station Variability	0.7	1.9	N/A	1.4	N/A	N/A	191	249	145	65	(45)
(46)	Regional Trend (36 neighbors)	+0.60	+1.90	N/S	+0.73	+0.40	+0.45	-195	-275	+120	+30	(46)

Nomenclature: See separate page

KREDARICA, Slovenia

WMO: **140080**

Lat: **46.3789N** Lon: **13.8489E** Elev: **2515** StdP: **74.54** Time Zone: **1.00 (EUC)** Period: **1999-2023** Grade: **A** WBAN: **99999**

Annual Heating, Humidification, and Ventilation Design Conditions

	Coldest Month	Heating DB		Humidification DP/MCDB and HR						Coldest Month WS/MCDB				MCWS/PCWD to 99.6% DB		WSF	
		99.6%	99%	99.6%			99%			0.4%		1%					
				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)	(p)	
(1)	2	-18.8	-17.0	-31.0	0.3	-4.6	-27.9	0.4	-7.2	23.6	-8.9	21.5	-6.6	8.8	320	0.911	(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	4.2	15.0	9.3	13.7	8.7	12.5	8.2	11.0	13.4	10.1	12.5	9.2	11.5	3.2	130	(2)

	Dehumidification DP/MCDB and HR									Enthalpy/MCDB						Extreme Max WB	
	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)	9.9	10.4	12.2	8.9	9.7	11.2	8.1	9.1	10.3	39.1	13.5	36.4	12.5	34.1	11.7	15.6	(3)

Extreme Annual Design Conditions

	Extreme Annual WS				Extreme Annual Temperature				n-Year Return Period Values of Extreme Temperature								
					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)		(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
(4)	17.9	15.0	12.8	DB	-21.6	17.1	2.5	1.3	-23.5	18.1	-25.0	18.9	-26.4	19.6	-28.2	20.6	(4)
(5)				WB	-22.2	12.5	2.5	1.3	-24.0	13.5	-25.5	14.3	-26.9	15.0	-28.7	16.0	(5)

Monthly Climatic Design Conditions

				Annual	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
				(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
(6)	Temperatures and Degree-Days		DBAvg	-0.2	-7.2	-7.4	-5.4	-2.9	1.1	5.8	7.6	8.0	3.9	1.7	-2.6	-5.2	(6)
(7)			DBStd	6.90	5.21	5.37	4.59	4.02	3.52	3.71	3.22	3.28	3.80	4.19	4.75	5.01	(7)
(8)			HDD10.0	3752	533	487	479	387	277	134	87	79	183	257	379	471	(8)
(9)			HDD18.3	6756	791	720	737	637	536	377	332	321	432	515	629	729	(9)
(10)			CDD10.0	38	0	0	0	0	0	7	13	17	1	1	0	0	(10)
(11)			CDD18.3	0	0	0	0	0	0	0	0	0	0	0	0	0	(11)
(12)	Wind		WSAvg	5.5	7.2	6.8	6.0	5.2	5.0	4.2	4.0	4.0	4.6	5.6	6.2	6.9	(12)
(13)	Precipitation		PrecAvg	2041	92	102	111	138	174	196	208	221	232	228	204	134	(13)
(14)			PrecMax	2573	335	310	365	294	431	361	330	432	443	543	609	410	(14)
(15)			PrecMin	1497	1	3	9	19	83	48	61	115	98	0	18	0	(15)
(16)			PrecStd	294	80	71	77	74	71	84	63	74	99	132	152	89	(16)
(17)	Monthly Design Dry Bulb and Mean Coincident Wet Bulb Temperatures	0.4%	DB		5.8	6.3	4.9	6.8	10.9	15.5	16.2	16.9	13.5	12.2	9.0	6.6	(17)
(18)			MCWB		-1.8	-2.6	-2.4	1.3	4.5	8.8	10.8	10.5	5.4	4.1	1.6	-1.3	(18)
(19)		2%	DB		3.3	3.9	3.1	5.1	9.1	13.6	14.5	15.3	11.7	10.3	7.6	4.7	(19)
(20)			MCWB		-2.8	-3.6	-2.5	0.6	4.6	8.7	10.0	9.2	5.6	2.6	1.1	-2.4	(20)
(21)		5%	DB		1.6	2.0	1.8	3.8	7.4	12.4	13.3	14.0	10.2	8.7	5.5	3.1	(21)
(22)			MCWB		-3.8	-3.7	-2.8	0.0	4.0	8.0	9.3	8.4	5.0	2.4	-0.2	-3.2	(22)
(23)		10%	DB		0.0	0.1	0.6	2.3	6.0	11.1	12.1	12.4	8.9	7.2	3.5	1.5	(23)
(24)			MCWB		-4.6	-4.1	-3.3	-0.6	3.0	7.2	8.5	8.6	4.7	1.8	-1.1	-3.7	(24)
(25)	Monthly Design Wet Bulb and Mean Coincident Dry Bulb Temperatures	0.4%	WB		-0.4	-0.8	0.0	3.1	7.3	11.2	12.5	12.3	9.0	5.8	4.2	0.3	(25)
(26)			MCDB		2.5	2.3	1.8	4.9	9.0	13.7	14.6	15.0	11.5	8.6	7.3	3.2	(26)
(27)		2%	WB		-1.7	-2.0	-1.0	2.2	5.6	9.9	11.2	10.9	7.8	5.0	2.6	-0.9	(27)
(28)			MCDB		1.3	1.0	1.4	4.2	7.5	12.4	13.4	13.4	9.4	6.5	5.2	1.8	(28)
(29)		5%	WB		-2.7	-2.8	-1.8	1.1	4.4	8.8	10.1	10.0	6.9	4.3	1.2	-1.7	(29)
(30)			MCDB		0.2	0.3	0.3	2.7	6.2	11.2	12.4	12.5	8.6	6.1	2.9	1.1	(30)
(31)		10%	WB		-3.7	-3.6	-2.6	0.0	3.6	7.9	9.2	9.2	6.1	3.6	0.3	-2.6	(31)
(32)			MCDB		-0.8	-0.6	-0.5	1.2	5.3	10.3	11.5	11.5	7.9	5.5	1.7	0.0	(32)
(33)	Mean Daily Temperature Range		MDBR		4.9	5.0	4.5	4.1	3.9	4.3	4.4	4.2	4.1	4.1	4.4	4.7	(33)
(34)		5% DB	MCDBR		6.0	6.2	5.1	4.5	4.8	5.3	5.4	5.2	5.2	5.3	5.4	6.1	(34)
(35)			MCWBR		3.6	3.4	3.5	3.5	4.3	5.3	5.1	4.9	5.6	4.6	3.6	3.6	(35)
(36)		5% WB	MCDBR		5.4	5.2	4.5	3.7	4.3	4.9	5.0	4.7	4.7	4.4	4.3	5.1	(36)
(37)			MCWBR		4.3	4.0	3.8	3.3	4.1	5.2	5.1	4.8	5.1	4.2	3.7	4.0	(37)
(38)	Clear-Sky Solar Irradiance	taub			0.211	0.225	0.251	0.283	0.293	0.303	0.304	0.298	0.283	0.263	0.245	0.212	(38)
(39)		taud			2.446	2.387	2.356	2.509	2.512	2.507	2.500	2.528	2.571	2.635	2.678	2.483	(39)
(40)		Ebn at Noon			932	975	985	976	969	956	951	947	940	922	891	895	(40)
(41)		Edh at Noon			64	84	102	98	101	103	102	95	83	67	53	55	(41)
(42)	All-Sky Solar Radiation	RadAvg			1.42	2.26	3.46	4.42	5.00	5.75	5.92	5.06	3.78	2.51	1.42	1.15	(42)
(43)		RadStd			0.20	0.32	0.42	0.56	0.58	0.51	0.41	0.50	0.44	0.27	0.25	0.17	(43)

Historical Trends

			DBAvg	Heating		Cooling			Degree-Days			
				99% DB	99% DP	1% DB	1% WB	1% DP	HDD10.0	HDD18.3	CDD10.0	CDD18.3
			(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	
(44)	Station	Trend	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	(44)
(45)		Variability	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	(45)
(46)	Regional Trend (1 neighbor)		N/S	N/S	-2.13	N/S	N/S	N/S	N/A	N/A	N/A	N/A	(46)

Nomenclature: See separate page

LESCE, Slovenia

WMO: **140100**

Lat: **46.367N** Lon: **14.183E** Elev: **515** StdP: **95.29** Time Zone: **1.00 (EUC)** Period: **2012-2023** Grade: **B** WBAN: **99999**

Annual Heating, Humidification, and Ventilation Design Conditions

	Coldest Month	Heating DB		Humidification DP/MCDB and HR						Coldest Month WS/MCDB				MCWS/PCWD to 99.6% DB		WSF	
				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)	(p)	
(1)	1	-8.7	-6.9	-14.2	1.2	-3.7	-11.7	1.5	-2.4	9.1	6.3	7.5	4.5	0.9	310	0.456	(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)	7	10.6	30.0	20.7	28.6	20.2	27.1	19.5	21.8	28.3	20.9	27.2	20.0	26.2	3.1	120	(2)

	Dehumidification DP/MCDB and HR									Enthalpy/MCDB						Extreme Max WB	
	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)	19.4	15.1	26.0	18.6	14.3	24.7	17.7	13.5	23.4	66.3	28.5	62.7	27.3	59.7	26.2	24.5	(3)

Extreme Annual Design Conditions

	Extreme Annual WS				Extreme Annual Temperature				n-Year Return Period Values of Extreme Temperature								
					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)		(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
(4)	6.2	5.0	4.2	DB	-11.8	32.9	2.2	1.9	-13.4	34.3	-14.7	35.4	-15.9	36.4	-17.5	37.8	(4)
(5)				WB	-12.2	23.1	2.2	1.0	-13.8	23.8	-15.1	24.5	-16.3	25.0	-17.9	25.8	(5)

Monthly Climatic Design Conditions

				Annual	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
				(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
(6)	Temperatures and Degree-Days	DBAvg		10.4	0.5	2.2	5.3	9.9	13.7	18.9	20.6	20.1	15.4	11.0	5.8	1.3	(6)
(7)		DBStd		7.82	3.55	3.56	3.61	3.65	3.16	2.91	2.62	3.14	3.24	3.15	3.62	3.21	(7)
(8)		HDD10.0		1149	295	220	149	47	6	0	0	0	2	28	132	271	(8)
(9)		HDD18.3		3094	553	453	403	253	146	28	9	19	98	227	376	529	(9)
(10)		CDD10.0		1304	0	1	4	43	121	266	329	312	162	59	7	0	(10)
(11)		CDD18.3		207	0	0	0	0	2	44	80	73	8	0	0	0	(11)
(12)	Wind	WSAvg		1.6	1.3	1.6	1.8	1.9	1.8	1.8	1.8	1.7	1.5	1.4	1.3	1.1	(12)
(13)	Precipitation	PrecAvg		1466	74	72	95	102	111	137	141	138	158	161	170	107	(13)
(14)		PrecMax		2114	365	359	220	300	256	234	288	259	320	456	569	318	(14)
(15)		PrecMin		937	0	3	2	11	24	56	18	56	44	2	8	0	(15)
(16)		PrecStd		253	69	70	62	60	58	46	63	55	79	112	125	73	(16)
(17)	Monthly Design Dry Bulb and Mean Coincident Wet Bulb Temperatures	0.4%	DB	11.0	16.2	19.9	23.4	25.5	30.7	31.5	32.6	26.5	22.0	16.9	11.7	(17)	
(18)			MCWB	7.0	7.4	10.2	13.8	17.8	20.5	21.3	21.1	18.7	15.8	12.5	8.6	(18)	
(19)		2%	DB	8.7	11.6	17.0	21.0	23.6	28.9	29.9	30.0	24.9	20.0	13.9	9.7	(19)	
(20)			MCWB	5.7	6.2	9.4	12.3	16.3	20.2	20.8	20.8	18.1	14.6	11.5	6.7	(20)	
(21)		5%	DB	7.5	9.4	14.1	18.9	22.1	27.2	28.5	28.4	23.4	18.2	12.6	8.0	(21)	
(22)			MCWB	5.2	5.7	8.1	11.7	15.1	19.0	20.3	20.2	17.4	14.0	10.9	5.7	(22)	
(23)		10%	DB	6.0	7.8	11.7	16.9	20.2	25.5	27.0	26.6	21.5	16.3	11.4	6.3	(23)	
(24)			MCWB	4.1	4.9	6.8	10.7	14.2	18.2	19.6	19.6	16.4	13.2	9.7	4.3	(24)	
(25)	Monthly Design Wet Bulb and Mean Coincident Dry Bulb Temperatures	0.4%	WB	8.2	8.7	11.6	14.9	18.7	22.3	23.0	22.7	19.6	16.6	13.1	9.7	(25)	
(26)			MCDB	8.9	12.3	18.5	22.0	24.6	29.2	30.1	29.9	25.1	20.7	14.9	10.9	(26)	
(27)		2%	WB	6.9	7.4	10.0	13.4	17.0	20.8	21.9	21.6	18.7	15.4	12.1	7.8	(27)	
(28)			MCDB	8.4	10.3	15.6	19.1	22.7	27.3	28.1	28.5	24.1	18.8	13.3	9.2	(28)	
(29)		5%	WB	5.7	6.4	8.7	12.3	15.8	19.8	20.9	20.7	17.8	14.5	11.3	6.0	(29)	
(30)			MCDB	7.0	9.3	12.9	17.2	20.6	26.1	27.1	27.2	22.6	17.4	12.6	7.5	(30)	
(31)		10%	WB	4.3	5.1	7.5	11.4	14.7	18.7	20.0	19.9	16.9	13.6	9.9	4.4	(31)	
(32)			MCDB	5.8	7.6	11.4	15.8	19.1	24.5	26.2	25.8	20.7	16.0	11.2	5.9	(32)	
(33)	Mean Daily Temperature Range		MDBR	7.5	8.2	10.2	10.5	9.5	10.7	10.6	10.5	9.3	9.1	6.9	7.4	(33)	
(34)		5% DB	MCDBR	10.0	12.3	14.9	14.2	12.9	13.3	13.0	13.1	11.9	11.7	9.1	10.1	(34)	
(35)			MCWBR	7.0	8.1	8.7	7.5	6.5	6.1	5.9	5.9	6.1	7.0	6.3	7.3	(35)	
(36)		5% WB	MCDBR	8.0	10.7	13.1	12.3	11.8	12.8	12.1	12.2	11.1	10.0	7.1	8.6	(36)	
(37)			MCWBR	6.0	7.5	7.9	6.7	6.2	6.4	6.0	6.0	5.9	6.4	5.3	6.6	(37)	
(38)	Clear-Sky Solar Irradiance	taub		0.291	0.318	0.362	0.410	0.422	0.436	0.437	0.426	0.400	0.364	0.334	0.292	(38)	
(39)		taud		2.393	2.294	2.256	2.207	2.219	2.233	2.244	2.280	2.327	2.403	2.474	2.462	(39)	
(40)		Ebn at Noon		805	844	853	841	843	830	823	817	806	784	748	766	(40)	
(41)		Edh at Noon		71	95	115	133	136	135	132	123	107	86	67	60	(41)	
(42)	All-Sky Solar Radiation	RadAvg		1.35	2.20	3.39	4.41	5.04	5.80	5.95	5.08	3.74	2.48	1.36	1.08	(42)	
(43)		RadStd		0.20	0.33	0.42	0.54	0.55	0.48	0.39	0.52	0.47	0.27	0.23	0.17	(43)	

Historical Trends

			DBAvg	Heating		Cooling			Degree-Days				
				99% DB	99% DP	1% DB	1% WB	1% DP	HDD10.0	HDD18.3	CDD10.0	CDD18.3	
			(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	
(44)	Station	Trend	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	(44)
(45)		Variability	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	(45)
(46)	Regional Trend (44 neighbors)		+0.58	+2.02	N/S	+0.71	+0.37	+0.38	-167	-205	+95	+45	(46)

Nomenclature: See separate page

LISCA, Slovenia

WMO: **140240**

Lat: **46.0678N** Lon: **15.2850E** Elev: **941** StdP: **90.52** Time Zone: **1.00 (EUC)** Period: **1999-2023** Grade: **A** WBAN: **99999**

Annual Heating, Humidification, and Ventilation Design Conditions

	Coldest Month	Heating DB		Humidification DP/MCDB and HR						Coldest Month WS/MCDB				MCWS/PCWD to 99.6% DB		WSF	
		99.6%	99%	99.6%			99%			0.4%		1%					
				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)	(p)	
(1)	1	-10.7	-8.9	-17.1	0.9	-6.0	-14.1	1.2	-4.0	13.1	2.7	12.0	2.5	3.0	40	0.556	(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)	7	7.2	26.9	18.9	25.2	18.3	23.7	17.6	20.2	25.1	19.1	24.0	18.2	22.9	2.1	190	(2)

	Dehumidification DP/MCDB and HR									Enthalpy/MCDB						Extreme Max WB	
	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)	18.4	14.9	23.4	17.3	13.9	22.1	16.4	13.1	21.2	62.4	25.0	58.6	23.9	55.6	23.0	24.8	(3)

Extreme Annual Design Conditions

	Extreme Annual WS				Extreme Annual Temperature				n-Year Return Period Values of Extreme Temperature								
					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)		(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
(4)	10.6	9.3	8.3	DB	-12.6	29.4	3.0	2.4	-14.8	31.1	-16.5	32.5	-18.2	33.8	-20.3	35.6	(4)
(5)				WB	-13.2	21.7	2.8	1.3	-15.2	22.6	-16.8	23.3	-18.4	24.1	-20.4	25.0	(5)

Monthly Climatic Design Conditions

				Annual	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
				(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
(6)	Temperatures and Degree-Days		DBAvg	8.7	-0.9	0.4	3.5	7.9	12.2	16.4	18.4	18.1	13.4	9.4	4.3	0.6	(6)
(7)			DBStd	7.98	4.78	4.73	4.82	4.38	3.85	3.88	3.55	3.79	3.51	4.19	4.21	4.42	(7)
(8)			HDD10.0	1466	339	271	205	89	22	2	0	1	9	62	174	293	(8)
(9)			HDD18.3	3642	598	503	458	313	194	82	44	52	151	276	421	551	(9)
(10)			CDD10.0	987	0	1	5	26	88	194	261	252	111	44	3	1	(10)
(11)			CDD18.3	122	0	0	0	0	3	24	46	45	3	0	0	0	(11)
(12)	Wind		WSAvg	3.7	4.4	4.2	3.9	3.7	3.4	3.0	2.8	2.9	3.2	3.9	4.2	4.5	(12)
(13)	Precipitation		PrecAvg	1134	47	57	68	77	113	117	116	124	130	116	96	71	(13)
(14)			PrecMax	1415	127	145	168	154	212	190	238	358	281	301	260	133	(14)
(15)			PrecMin	820	0	2	10	11	33	35	32	10	26	6	0	0	(15)
(16)			PrecStd	148	33	40	39	37	45	47	51	67	69	72	54	37	(16)
(17)	Monthly Design Dry Bulb and Mean Coincident Wet Bulb Temperatures	0.4%	DB	11.0	13.9	16.3	20.1	23.4	27.4	28.8	29.5	23.1	20.0	14.3	11.4	(17)	
(18)			MCWB	4.2	5.1	8.4	11.7	16.4	19.3	19.1	19.4	17.3	14.2	10.3	4.5	(18)	
(19)		2%	DB	8.8	10.4	13.8	17.5	21.2	25.4	26.9	27.0	21.1	17.8	12.1	9.0	(19)	
(20)			MCWB	4.5	4.4	7.0	10.1	15.1	18.6	19.0	18.7	16.2	13.3	9.6	5.6	(20)	
(21)		5%	DB	6.8	7.6	11.4	15.6	19.5	23.7	25.1	25.1	19.5	16.0	10.8	7.5	(21)	
(22)			MCWB	4.5	3.5	6.1	9.4	14.0	17.8	18.4	18.1	15.3	12.6	9.0	5.1	(22)	
(23)		10%	DB	5.3	5.9	9.4	13.7	17.7	22.1	23.5	23.4	18.1	14.5	9.7	6.2	(23)	
(24)			MCWB	3.4	3.5	5.2	8.4	12.9	16.9	17.6	17.4	14.4	11.9	8.3	4.3	(24)	
(25)	Monthly Design Wet Bulb and Mean Coincident Dry Bulb Temperatures	0.4%	WB	7.0	6.6	9.2	12.7	17.5	20.9	21.5	21.6	18.3	15.6	11.7	8.0	(25)	
(26)			MCDB	7.9	9.7	14.7	17.9	21.7	25.7	26.1	26.4	22.0	18.6	12.8	8.9	(26)	
(27)		2%	WB	5.8	5.6	7.8	10.9	15.9	19.4	20.2	20.0	16.9	14.2	10.3	6.7	(27)	
(28)			MCDB	7.1	7.9	12.0	15.8	20.4	24.2	25.3	24.9	20.2	16.4	11.6	7.7	(28)	
(29)		5%	WB	4.7	4.7	6.9	9.9	14.6	18.3	19.1	19.0	15.8	13.3	9.4	5.8	(29)	
(30)			MCDB	6.2	6.9	10.1	14.4	18.5	23.0	24.1	23.7	18.9	15.1	10.5	6.9	(30)	
(31)		10%	WB	3.8	3.8	6.0	9.0	13.4	17.2	18.1	18.0	14.9	12.4	8.6	4.7	(31)	
(32)			MCDB	5.3	5.9	8.7	12.9	17.0	21.8	23.0	22.4	17.7	14.2	9.6	5.9	(32)	
(33)	Mean Daily Temperature Range		MDBR	4.1	4.7	6.0	6.7	6.6	6.9	7.2	6.7	5.6	5.0	4.0	4.0	(33)	
(34)		5% DB	MCDBR	5.6	6.5	8.4	8.9	8.2	8.3	8.4	8.2	6.8	6.5	4.7	5.3	(34)	
(35)			MCWBR	3.4	4.1	5.1	5.1	5.3	5.6	5.2	4.9	4.6	4.3	3.3	3.6	(35)	
(36)		5% WB	MCDBR	4.5	5.7	7.2	8.0	7.9	8.0	8.1	7.6	6.4	5.8	4.3	4.2	(36)	
(37)			MCWBR	3.1	4.1	4.7	4.8	5.4	5.7	5.5	5.1	4.6	4.2	3.3	3.5	(37)	
(38)	Clear-Sky Solar Irradiance	taub		0.285	0.305	0.334	0.364	0.376	0.386	0.386	0.378	0.362	0.337	0.316	0.283	(38)	
(39)		taud		2.527	2.456	2.397	2.313	2.309	2.317	2.328	2.356	2.395	2.444	2.497	2.559	(39)	
(40)		Ebn at Noon		831	874	891	889	886	876	871	865	848	820	777	796	(40)	
(41)		Edh at Noon		63	82	101	120	125	124	122	114	100	82	65	56	(41)	
(42)	All-Sky Solar Radiation	RadAvg		1.28	2.10	3.30	4.41	5.12	5.96	6.08	5.19	3.74	2.44	1.30	1.02	(42)	
(43)		RadStd		0.22	0.34	0.46	0.54	0.53	0.46	0.39	0.56	0.49	0.27	0.20	0.16	(43)	

Historical Trends

			DBAvg	Heating		Cooling			Degree-Days				
				99% DB	99% DP	1% DB	1% WB	1% DP	HDD10.0	HDD18.3	CDD10.0	CDD18.3	
			(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	
(44)	Station	Trend	+0.68	N/S	N/S	N/S	+0.56	+0.77	N/A	N/A	N/A	N/A	(44)
(45)		Variability	0.6	2.3	2.6	1.4	0.8	1.0	N/A	N/A	N/A	N/A	(45)
(46)	Regional Trend (19 neighbors)		+0.72	+1.61	N/S	N/S	+0.48	+0.55	-214	-309	+126	N/S	(46)

Nomenclature: See separate page

LJUBLJANA BEZIGRAD, Slovenia

WMO: **140150**

Lat: **46.0656N** Lon: **14.5122E** Elev: **298** StdP: **97.80** Time Zone: **1.00 (EUC)** Period: **1999-2023** Grade: **A** WBAN: **99999**

Annual Heating, Humidification, and Ventilation Design Conditions

	Coldest Month	Heating DB		Humidification DP/MCDB and HR						Coldest Month WS/MCDB				MCWS/PCWD to 99.6% DB		WSF	
				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)	(p)	
(1)	1	-7.9	-6.0	-13.0	1.3	-4.2	-10.5	1.6	-2.1	5.4	5.5	4.6	5.4	1.2	50	0.416	(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)	7	11.1	32.4	21.3	30.7	20.6	29.2	19.9	22.2	30.4	21.3	28.9	20.6	27.6	2.4	240	(2)

	Dehumidification DP/MCDB and HR									Enthalpy/MCDB						Extreme Max WB	
	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)	19.5	14.8	25.4	18.7	14.0	24.6	18.0	13.4	23.7	66.4	30.6	63.3	29.1	60.5	27.5	26.6	(3)

Extreme Annual Design Conditions

	Extreme Annual WS				Extreme Annual Temperature				n-Year Return Period Values of Extreme Temperature								
					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)		(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
(4)	5.2	4.4	3.7	DB	-10.4	35.0	3.0	1.8	-12.5	36.3	-14.3	37.3	-16.0	38.3	-18.2	39.6	(4)
(5)				WB	-10.9	23.9	2.9	1.0	-13.0	24.6	-14.6	25.2	-16.2	25.8	-18.3	26.6	(5)

Monthly Climatic Design Conditions

				Annual	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
				(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
(6)	Temperatures and Degree-Days	DBAvg		11.9	1.2	3.2	7.3	11.8	16.2	20.5	22.2	21.9	16.9	12.3	7.0	2.1	(6)
(7)		DBStd		8.20	3.97	3.81	3.72	3.58	3.23	3.35	3.02	3.11	3.26	3.74	4.13	3.94	(7)
(8)		HDD10.0		956	273	190	97	23	1	0	0	0	0	21	106	245	(8)
(9)		HDD18.3		2694	531	423	341	196	82	17	5	6	65	188	340	502	(9)
(10)		CDD10.0		1663	1	1	14	78	193	314	378	369	207	92	16	1	(10)
(11)		CDD18.3		362	0	0	0	1	16	81	125	117	22	1	0	0	(11)
(12)	Wind	WSAvg		1.3	1.1	1.4	1.6	1.7	1.6	1.5	1.4	1.2	1.1	1.1	1.1	1.0	(12)
(13)	Precipitation	PrecAvg		1373	68	86	80	99	119	118	123	132	170	132	136	110	(13)
(14)		PrecMax		1850	195	260	204	180	247	176	233	264	478	318	307	209	(14)
(15)		PrecMin		998	2	3	5	4	43	32	20	42	34	17	3	0	(15)
(16)		PrecStd		192	45	65	57	44	52	47	48	63	109	78	72	61	(16)
(17)	Monthly Design Dry Bulb and Mean Coincident Wet Bulb Temperatures	0.4%	DB	12.3	15.9	21.1	25.5	28.6	33.0	34.6	34.8	29.0	23.5	17.8	13.8		(17)
(18)			MCWB	9.0	8.0	11.2	14.8	18.7	21.4	21.8	21.8	19.5	17.0	13.2	11.0		(18)
(19)		2%	DB	10.2	12.2	18.3	22.9	26.5	31.1	32.5	32.4	26.8	21.2	15.4	11.4		(19)
(20)			MCWB	7.7	7.5	10.4	13.4	17.3	20.8	21.3	21.2	18.8	15.9	12.5	9.3		(20)
(21)		5%	DB	8.8	10.7	15.9	20.8	24.8	29.4	30.7	30.4	24.9	19.4	14.0	9.8		(21)
(22)			MCWB	6.8	7.0	9.3	12.6	16.4	19.8	20.6	20.6	17.7	15.1	12.0	8.0		(22)
(23)		10%	DB	7.2	9.3	13.7	18.7	22.9	27.7	29.0	28.5	22.9	17.8	12.7	7.9		(23)
(24)			MCWB	5.5	6.2	8.5	11.8	15.5	19.0	19.9	20.0	17.0	14.4	10.9	6.3		(24)
(25)	Monthly Design Wet Bulb and Mean Coincident Dry Bulb Temperatures	0.4%	WB	9.9	9.7	12.2	15.8	19.6	22.7	23.2	23.1	20.3	17.7	14.1	11.4		(25)
(26)			MCDB	11.7	13.1	19.1	23.5	27.1	30.9	31.8	32.1	26.8	21.8	16.4	13.4		(26)
(27)		2%	WB	8.2	8.6	11.0	14.3	18.1	21.6	22.2	22.0	19.3	16.7	13.1	9.7		(27)
(28)			MCDB	9.7	11.2	16.1	20.9	25.0	29.4	30.4	30.2	25.4	20.2	14.8	11.3		(28)
(29)		5%	WB	7.1	7.6	10.1	13.3	17.1	20.5	21.3	21.2	18.5	15.7	12.2	8.1		(29)
(30)			MCDB	8.5	10.4	14.4	19.2	23.5	27.8	29.0	28.5	23.7	18.6	13.8	9.7		(30)
(31)		10%	WB	5.7	6.3	9.2	12.3	16.1	19.5	20.5	20.5	17.6	14.8	11.0	6.5		(31)
(32)			MCDB	7.1	9.0	13.1	17.5	21.7	26.2	27.6	27.1	21.7	17.4	12.6	7.7		(32)
(33)	Mean Daily Temperature Range		MDBR	5.4	7.4	9.5	10.0	10.2	10.7	11.1	10.9	9.6	7.9	5.4	4.7		(33)
(34)		5% DB	MCDBR	7.4	11.0	14.4	14.3	13.4	13.2	13.6	13.9	12.5	10.1	7.2	6.8		(34)
(35)			MCWBR	5.1	6.7	7.5	6.6	5.5	5.0	4.7	4.7	5.2	5.2	4.5	5.0		(35)
(36)		5% WB	MCDBR	5.9	9.4	11.5	12.4	12.3	12.5	12.6	12.6	11.2	8.6	6.0	6.2		(36)
(37)			MCWBR	4.3	6.1	6.3	5.9	5.3	5.1	4.8	4.7	4.9	4.7	4.1	4.7		(37)
(38)	Clear-Sky Solar Irradiance	taub		0.315	0.341	0.380	0.424	0.437	0.448	0.449	0.437	0.414	0.382	0.351	0.312		(38)
(39)		taud		2.456	2.346	2.266	2.161	2.171	2.192	2.205	2.245	2.280	2.338	2.416	2.492		(39)
(40)		Ebn at Noon		783	823	836	828	829	820	813	808	792	762	724	747		(40)
(41)		Edh at Noon		69	92	115	140	143	141	138	127	113	92	72	60		(41)
(42)	All-Sky Solar Radiation	RadAvg		1.28	2.09	3.30	4.41	5.12	5.97	6.08	5.19	3.74	2.44	1.30	1.02		(42)
(43)		RadStd		0.22	0.34	0.46	0.54	0.53	0.46	0.39	0.56	0.49	0.27	0.20	0.16		(43)

Historical Trends

			DBAvg	Heating		Cooling			Degree-Days				
				99% DB	99% DP	1% DB	1% WB	1% DP	HDD10.0	HDD18.3	CDD10.0	CDD18.3	
			(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	
(44)	Station	Trend	+0.52	+1.47	N/S	+0.80	+0.62	+0.53	-124	-178	+121	+94	(44)
(45)		Variability	0.6	1.9	1.9	1.2	0.7	0.7	144	187	133	80	(45)
(46)	Regional Trend (39 neighbors)		+0.54	+1.74	N/S	N/S	+0.46	+0.53	-154	-186	+94	+60	(46)

Nomenclature: See separate page

LJUBLJANA BRNIK, Slovenia

WMO: **140140**

Lat: **46.218N** Lon: **14.473E** Elev: **388** StdP: **96.75** Time Zone: **1.00 (EUC)** Period: **1999-2023** Grade: **A** WBAN: **99999**

Annual Heating, Humidification, and Ventilation Design Conditions

	Coldest Month	Heating DB		Humidification DP/MCDB and HR						Coldest Month WS/MCDB				MCWS/PCWD to 99.6% DB		WSF	
				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)	(p)	
(1)	1	-11.8	-9.3	-14.8	1.1	-8.1	-12.2	1.4	-6.4	6.9	2.7	5.7	1.5	0.9	280	0.469	(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)	7	12.9	31.4	21.0	29.8	20.5	28.2	19.9	22.2	29.2	21.3	28.0	20.5	26.8	2.8	120	(2)

	Dehumidification DP/MCDB and HR									Enthalpy/MCDB						Extreme Max WB	
	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)	19.9	15.3	25.3	19.0	14.4	24.3	18.2	13.7	23.3	66.4	29.5	63.2	28.0	60.5	26.9	25.3	(3)

Extreme Annual Design Conditions

	Extreme Annual WS				Extreme Annual Temperature				n-Year Return Period Values of Extreme Temperature								
					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)		(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
(4)	6.1	5.1	4.2	DB	-15.5	33.8	4.0	1.7	-18.3	35.1	-20.7	36.1	-22.9	37.1	-25.8	38.3	(4)
(5)				WB	-15.8	23.6	3.9	0.9	-18.6	24.3	-20.9	24.8	-23.1	25.3	-26.0	26.0	(5)

Monthly Climatic Design Conditions

				Annual	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
				(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
(6)	Temperatures and Degree-Days	DBAvg		10.2	-0.6	1.4	5.4	9.9	14.4	18.7	20.4	20.1	15.2	10.8	5.6	0.6	(6)
(7)		DBStd		8.14	4.20	3.92	3.48	3.31	3.09	3.09	2.82	2.87	3.08	3.59	4.20	4.03	(7)
(8)		HDD10.0		1228	329	240	146	42	3	0	0	0	1	35	141	292	(8)
(9)		HDD18.3		3171	588	473	402	253	126	32	13	16	101	234	382	551	(9)
(10)		CDD10.0		1301	0	0	3	38	139	262	321	312	158	59	8	0	(10)
(11)		CDD18.3		201	0	0	0	0	4	43	76	70	7	0	0	0	(11)
(12)	Wind	WSAvg		1.4	1.2	1.4	1.7	1.7	1.7	1.6	1.6	1.4	1.3	1.2	1.2	1.1	(12)
(13)	Precipitation	PrecAvg		1330	62	74	85	88	109	127	126	131	138	135	153	100	(13)
(14)		PrecMax		1894	211	280	206	191	262	263	278	282	373	372	371	250	(14)
(15)		PrecMin		951	0	1	2	2	14	27	24	33	26	16	2	0	(15)
(16)		PrecStd		224	47	61	59	44	59	55	60	62	81	91	88	62	(16)
(17)	Monthly Design Dry Bulb and Mean Coincident Wet Bulb Temperatures	0.4%	DB	11.3	15.3	20.2	24.7	28.3	32.1	33.8	34.1	27.9	22.9	17.3	12.4	(17)	
(18)			MCWB	8.2	8.1	10.8	14.6	18.4	21.1	21.1	21.5	19.5	17.0	13.2	10.3	(18)	
(19)		2%	DB	9.2	11.6	17.7	22.1	25.9	30.2	31.4	31.3	26.0	20.5	14.7	10.2	(19)	
(20)			MCWB	6.9	7.1	10.1	12.9	17.2	20.5	21.0	21.0	18.7	16.0	12.3	8.4	(20)	
(21)		5%	DB	7.4	9.8	15.0	20.1	24.1	28.5	29.8	29.4	24.1	18.8	13.2	8.3	(21)	
(22)			MCWB	5.8	6.3	9.0	12.5	16.3	19.7	20.5	20.5	17.8	14.8	11.6	7.1	(22)	
(23)		10%	DB	5.6	8.0	12.7	17.9	22.1	26.6	28.0	27.4	22.1	16.9	11.8	6.3	(23)	
(24)			MCWB	4.6	5.5	7.9	11.5	15.3	18.9	20.0	19.9	16.7	13.9	10.4	5.5	(24)	
(25)	Monthly Design Wet Bulb and Mean Coincident Dry Bulb Temperatures	0.4%	WB	9.2	9.4	12.3	15.8	19.5	22.9	23.2	23.2	20.6	17.5	14.2	10.7	(25)	
(26)			MCDB	10.2	13.1	18.2	22.6	26.1	29.7	30.7	30.2	26.2	21.4	16.2	11.8	(26)	
(27)		2%	WB	7.5	8.1	10.8	14.2	18.1	21.4	22.1	22.1	19.3	16.5	12.8	8.9	(27)	
(28)			MCDB	8.6	10.5	16.2	20.2	24.5	28.3	29.5	29.0	24.6	19.8	14.3	9.8	(28)	
(29)		5%	WB	6.2	6.9	9.6	13.1	17.0	20.4	21.2	21.2	18.4	15.5	11.8	7.2	(29)	
(30)			MCDB	7.1	9.2	13.7	18.6	22.9	27.0	28.0	27.7	22.9	18.1	13.1	8.1	(30)	
(31)		10%	WB	4.5	5.5	8.6	12.0	15.9	19.3	20.4	20.4	17.3	14.3	10.5	5.6	(31)	
(32)			MCDB	5.4	7.8	12.0	16.9	20.9	25.5	26.7	26.5	21.1	16.5	11.6	6.1	(32)	
(33)	Mean Daily Temperature Range		MDBR	7.8	9.7	12.0	12.4	12.2	12.4	12.9	12.6	11.4	10.1	7.3	6.6	(33)	
(34)		5% DB	MCDBR	10.3	13.7	17.3	17.6	16.1	15.5	15.9	16.1	14.6	12.7	9.6	9.4	(34)	
(35)			MCWBR	7.7	9.2	10.4	9.5	8.2	7.1	6.7	6.9	7.8	8.1	6.9	7.5	(35)	
(36)		5% WB	MCDBR	8.5	12.1	14.3	15.1	14.6	14.6	14.6	14.5	12.9	11.2	8.1	8.2	(36)	
(37)			MCWBR	6.8	8.6	9.0	8.5	7.6	7.1	6.7	6.8	7.2	7.5	5.9	6.8	(37)	
(38)	Clear-Sky Solar Irradiance	taub		0.306	0.331	0.373	0.417	0.430	0.442	0.443	0.432	0.407	0.373	0.343	0.304	(38)	
(39)		taud		2.449	2.343	2.286	2.179	2.190	2.209	2.222	2.256	2.297	2.362	2.438	2.495	(39)	
(40)		Ebn at Noon		792	833	844	835	835	825	818	812	798	772	735	756	(40)	
(41)		Edh at Noon		68	92	113	137	140	139	135	126	111	90	70	59	(41)	
(42)	All-Sky Solar Radiation	RadAvg		1.29	2.12	3.32	4.41	5.10	5.91	6.03	5.14	3.72	2.44	1.31	1.03	(42)	
(43)		RadStd		0.21	0.34	0.45	0.54	0.53	0.46	0.39	0.54	0.49	0.27	0.21	0.16	(43)	

Historical Trends

			DBAvg	Heating		Cooling			Degree-Days				
				99% DB	99% DP	1% DB	1% WB	1% DP	HDD10.0	HDD18.3	CDD10.0	CDD18.3	
			(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	
(44)	Station	Trend	+0.46	+2.10	N/S	N/S	+0.57	+0.77	-136	-173	+89	+58	(44)
(45)		Variability	0.6	2.5	2.4	1.2	0.6	0.8	165	203	110	65	(45)
(46)	Regional Trend (40 neighbors)		+0.52	+1.80	N/S	N/S	+0.44	+0.49	-147	-173	+90	+56	(46)

Nomenclature: See separate page

MARIBOR SLIVNICA, Slovenia

WMO: **140260**

Lat: **46.4797N** Lon: **15.6819E** Elev: **267** StdP: **98.16** Time Zone: **1.00 (EUC)** Period: **1999-2023** Grade: **A** WBAN: **99999**

Annual Heating, Humidification, and Ventilation Design Conditions

	Coldest Month	Heating DB		Humidification DP/MCDB and HR						Coldest Month WS/MCDB				MCWS/PCWD to 99.6% DB		WSF	
				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)	(p)	
(1)	1	-10.5	-8.1	-13.8	1.2	-8.1	-11.2	1.5	-5.4	9.8	8.4	8.6	7.6	1.2	10	0.473	(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)	7	11.9	32.2	21.1	30.5	20.6	28.9	20.0	22.4	29.6	21.4	28.5	20.7	27.5	3.5	190	(2)

	Dehumidification DP/MCDB and HR									Enthalpy/MCDB						Extreme Max WB	
	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)	20.0	15.2	26.1	19.0	14.3	24.8	18.2	13.6	23.8	66.6	29.5	63.3	28.5	60.4	27.5	26.8	(3)

Extreme Annual Design Conditions

	Extreme Annual WS				Extreme Annual Temperature				n-Year Return Period Values of Extreme Temperature								
					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)		(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
(4)	8.3	7.1	6.0	DB	-14.0	34.4	4.2	1.8	-17.0	35.7	-19.4	36.8	-21.8	37.8	-24.8	39.1	(4)
(5)				WB	-14.4	23.8	4.1	1.2	-17.4	24.7	-19.8	25.4	-22.0	26.0	-25.0	26.9	(5)

Monthly Climatic Design Conditions

				Annual	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
				(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
(6)	Temperatures and Degree-Days	DBAvg		11.1	0.3	2.5	6.4	11.0	15.5	19.7	21.2	20.8	16.1	11.6	6.5	1.5	(6)
(7)		DBStd		8.20	4.51	4.37	4.03	3.66	3.27	3.26	2.85	3.03	3.19	3.80	4.26	4.05	(7)
(8)		HDD10.0		1079	300	211	122	31	2	0	0	0	1	28	121	265	(8)
(9)		HDD18.3		2900	558	443	369	219	98	23	8	12	81	209	356	523	(9)
(10)		CDD10.0		1497	1	1	11	62	173	291	348	334	184	78	15	1	(10)
(11)		CDD18.3		276	0	0	0	1	11	63	98	88	14	1	0	0	(11)
(12)	Wind	WSAvg		2.3	2.1	2.5	2.8	2.7	2.5	2.2	2.1	1.9	2.0	2.1	2.1	2.0	(12)
(13)	Precipitation	PrecAvg		920	33	45	48	62	97	99	101	106	108	82	77	63	(13)
(14)		PrecMax		1224	97	142	128	163	221	200	196	200	220	265	190	126	(14)
(15)		PrecMin		705	2	1	6	4	27	5	28	14	32	1	0	0	(15)
(16)		PrecStd		111	22	36	33	31	48	43	45	50	51	58	40	36	(16)
(17)	Monthly Design Dry Bulb and Mean Coincident Wet Bulb Temperatures	0.4%	DB	13.9	16.8	21.1	25.7	28.8	33.1	34.2	34.6	28.6	24.5	19.3	14.4	(17)	
(18)			MCWB	9.3	9.8	11.6	15.5	18.3	21.1	21.7	21.3	19.6	17.2	13.8	10.8	(18)	
(19)		2%	DB	11.4	13.5	18.6	22.8	26.6	31.1	32.0	32.2	26.5	22.2	16.7	12.1	(19)	
(20)			MCWB	8.1	8.2	10.5	13.3	17.5	20.8	21.3	21.1	18.8	16.4	12.6	9.0	(20)	
(21)		5%	DB	9.5	11.5	16.4	20.9	24.7	29.3	30.4	30.2	24.8	20.2	14.6	9.9	(21)	
(22)			MCWB	6.8	7.2	10.0	12.9	16.6	20.1	20.6	20.6	18.0	15.3	11.7	7.4	(22)	
(23)		10%	DB	7.2	9.8	14.1	18.8	22.9	27.3	28.7	28.2	23.0	18.4	13.1	7.5	(23)	
(24)			MCWB	4.9	6.2	8.8	11.9	15.7	19.1	19.9	20.0	17.0	14.3	10.7	5.5	(24)	
(25)	Monthly Design Wet Bulb and Mean Coincident Dry Bulb Temperatures	0.4%	WB	10.0	10.3	12.5	16.1	19.8	23.2	23.7	23.5	20.7	18.1	14.3	11.3	(25)	
(26)			MCDB	12.9	16.2	19.0	24.3	26.3	30.6	30.9	30.8	27.0	23.5	18.0	14.0	(26)	
(27)		2%	WB	8.4	8.9	11.4	14.5	18.4	21.7	22.4	22.2	19.4	16.8	13.2	9.3	(27)	
(28)			MCDB	11.0	12.6	17.4	21.1	24.9	28.9	29.6	29.5	25.3	21.3	16.0	11.7	(28)	
(29)		5%	WB	7.0	7.8	10.3	13.4	17.3	20.7	21.4	21.3	18.5	15.8	12.1	7.6	(29)	
(30)			MCDB	9.3	11.0	15.6	19.2	23.4	27.9	28.4	28.3	23.8	19.5	14.5	9.6	(30)	
(31)		10%	WB	5.2	6.4	9.2	12.4	16.3	19.7	20.6	20.5	17.5	14.7	10.8	5.7	(31)	
(32)			MCDB	7.1	9.4	13.6	17.8	21.8	26.4	27.4	27.0	22.1	17.9	12.9	7.2	(32)	
(33)	Mean Daily Temperature Range		MDBR	7.7	9.4	10.8	11.3	10.9	11.4	11.9	11.8	10.5	9.9	7.5	7.2	(33)	
(34)		5% DB	MCDBR	11.0	13.3	15.3	15.8	14.3	14.6	14.9	15.3	13.3	12.7	10.6	10.8	(34)	
(35)			MCWBR	7.6	8.5	8.7	7.8	6.7	6.1	5.9	6.0	6.5	7.4	6.9	7.8	(35)	
(36)		5% WB	MCDBR	10.3	12.2	13.8	13.3	12.9	13.7	13.6	13.6	12.3	11.4	9.3	10.0	(36)	
(37)			MCWBR	7.3	8.2	8.1	6.9	6.4	6.0	5.9	6.0	6.3	6.8	6.2	7.5	(37)	
(38)	Clear-Sky Solar Irradiance	taub		0.312	0.338	0.373	0.410	0.426	0.439	0.437	0.429	0.407	0.375	0.350	0.311	(38)	
(39)		taud		2.474	2.366	2.294	2.204	2.207	2.218	2.239	2.257	2.303	2.362	2.420	2.502	(39)	
(40)		Ebn at Noon		784	824	843	841	839	827	823	814	797	768	721	744	(40)	
(41)		Edh at Noon		67	90	111	134	138	137	133	125	110	90	71	59	(41)	
(42)	All-Sky Solar Radiation	RadAvg		1.29	2.13	3.33	4.44	5.12	5.86	5.97	5.10	3.71	2.46	1.30	1.00	(42)	
(43)		RadStd		0.20	0.33	0.42	0.52	0.51	0.46	0.37	0.52	0.49	0.27	0.20	0.16	(43)	

Historical Trends

			DBAvg	Heating		Cooling			Degree-Days				
				99% DB	99% DP	1% DB	1% WB	1% DP	HDD10.0	HDD18.3	CDD10.0	CDD18.3	
			(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	
(44)	Station	Trend	+0.46	+1.78	+1.30	N/S	+0.72	+0.93	-143	-165	+84	+54	(44)
(45)		Variability	0.6	2.5	2.4	1.3	0.8	1.0	171	202	100	69	(45)
(46)	Regional Trend (62 neighbors)		+0.60	+1.79	N/S	N/S	+0.37	+0.40	-168	-202	+102	+61	(46)

Nomenclature: See separate page

MURSKA SOBOTA, Slovenia

WMO: **140310**

Lat: **46.6521N** Lon: **16.1913E** Elev: **187** StdP: **99.10** Time Zone: **1.00 (EUC)** Period: **1999-2023** Grade: **A** WBAN: **99999**

Annual Heating, Humidification, and Ventilation Design Conditions

	Coldest Month	Heating DB		Humidification DP/MCDB and HR						Coldest Month WS/MCDB				MCWS/PCWD to 99.6% DB		WSF	
		99.6%	99%	99.6%			99%			0.4%		1%					
				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)	(p)	
(1)	1	-10.8	-7.7	-14.0	1.1	-8.5	-11.0	1.5	-5.6	8.5	5.4	7.4	5.1	0.9	20	0.442	(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)	7	12.0	32.2	21.5	30.5	21.0	29.0	20.3	22.7	29.8	21.8	28.8	21.0	27.6	2.2	180	(2)

	Dehumidification DP/MCDB and HR									Enthalpy/MCDB						Extreme Max WB	
	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)	20.4	15.4	26.1	19.5	14.6	25.1	18.7	13.8	23.9	67.8	29.8	64.5	29.0	61.5	27.7	25.8	(3)

Extreme Annual Design Conditions

	Extreme Annual WS				Extreme Annual Temperature				n-Year Return Period Values of Extreme Temperature								
					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)		(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
(4)	7.1	5.8	4.7	DB	-14.1	34.6	4.9	2.2	-17.7	36.2	-20.5	37.5	-23.3	38.7	-26.9	40.3	(4)
(5)				WB	-14.5	24.1	4.8	1.1	-17.9	24.8	-20.8	25.5	-23.5	26.1	-27.0	26.9	(5)

Monthly Climatic Design Conditions

				Annual	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
				(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
(6)	Temperatures and Degree-Days		DBAvg	11.2	0.2	2.7	6.4	11.2	15.7	19.7	21.5	21.0	16.2	11.8	6.1	1.3	(6)
(7)			DBStd	8.29	4.35	4.24	4.21	3.78	3.27	3.33	2.84	3.09	3.29	3.73	4.24	3.69	(7)
(8)			HDD10.0	1091	305	205	124	31	2	0	0	0	1	25	129	270	(8)
(9)			HDD18.3	2897	563	438	371	213	93	23	7	10	81	204	366	527	(9)
(10)			CDD10.0	1526	0	1	11	68	179	291	355	342	185	81	13	1	(10)
(11)			CDD18.3	291	0	0	0	1	12	64	104	93	16	1	0	0	(11)
(12)	Wind		WSAvg	1.8	1.6	2.0	2.2	2.2	2.0	1.8	1.7	1.5	1.5	1.5	1.5	1.5	(12)
(13)	Precipitation		PrecAvg	797	31	38	44	55	78	96	94	102	96	65	61	39	(13)
(14)			PrecMax	1093	92	116	123	124	168	177	194	222	310	194	188	90	(14)
(15)			PrecMin	506	0	0	1	3	32	5	15	7	20	1	1	3	(15)
(16)			PrecStd	138	24	32	33	27	35	39	42	58	61	45	45	25	(16)
(17)	Monthly Design Dry Bulb and Mean Coincident Wet Bulb Temperatures	0.4%	DB	13.1	16.3	20.9	25.3	29.2	32.9	34.3	34.8	28.9	24.6	19.3	14.1	(17)	
(18)			MCWB	9.5	10.0	12.0	15.4	19.1	22.0	22.0	21.9	20.0	17.9	14.2	10.3	(18)	
(19)		2%	DB	11.0	13.3	18.5	22.7	27.0	31.0	32.0	32.2	26.7	22.1	16.4	11.2	(19)	
(20)			MCWB	7.9	8.4	11.1	13.9	18.4	21.3	21.5	21.4	19.2	16.5	12.7	8.2	(20)	
(21)		5%	DB	8.8	11.4	16.1	20.8	24.9	29.2	30.4	30.3	25.0	20.2	14.3	8.5	(21)	
(22)			MCWB	6.3	7.4	10.0	13.3	17.2	20.5	20.9	21.0	18.3	15.3	11.7	6.4	(22)	
(23)		10%	DB	6.2	9.6	13.7	18.8	23.0	27.3	28.8	28.3	23.1	18.4	12.5	6.3	(23)	
(24)			MCWB	4.4	6.1	8.8	12.1	16.1	19.5	20.2	20.3	17.2	14.5	10.5	4.9	(24)	
(25)	Monthly Design Wet Bulb and Mean Coincident Dry Bulb Temperatures	0.4%	WB	9.7	10.4	13.0	16.7	20.3	23.3	23.9	23.7	21.0	18.5	14.6	10.6	(25)	
(26)			MCDB	12.4	15.7	19.7	23.3	27.1	30.4	31.5	31.2	27.2	23.8	17.7	14.0	(26)	
(27)		2%	WB	8.2	9.0	11.5	15.0	19.0	22.1	22.6	22.6	19.8	16.9	13.2	8.4	(27)	
(28)			MCDB	10.6	12.6	17.4	21.0	26.0	29.4	29.7	29.8	25.6	21.2	15.8	11.0	(28)	
(29)		5%	WB	6.4	7.7	10.4	13.8	17.8	21.1	21.6	21.8	18.9	15.9	12.0	6.6	(29)	
(30)			MCDB	8.4	11.2	15.2	19.5	23.5	28.0	28.5	28.7	24.1	19.3	14.2	8.1	(30)	
(31)		10%	WB	4.7	6.4	9.3	12.7	16.7	20.1	20.8	20.8	17.8	14.9	10.6	5.1	(31)	
(32)			MCDB	6.1	9.1	13.5	17.9	21.9	26.3	27.3	27.1	22.0	18.0	12.3	6.2	(32)	
(33)	Mean Daily Temperature Range		MDBR	7.0	9.0	10.7	11.2	10.7	11.4	12.0	11.6	10.7	10.1	7.1	6.2	(33)	
(34)		5% DB	MCDBR	10.6	12.8	15.1	15.3	14.4	14.5	14.9	14.9	13.8	12.8	10.4	9.9	(34)	
(35)			MCWBR	7.6	8.4	8.8	7.8	6.7	6.0	5.8	5.7	6.8	7.6	7.2	7.3	(35)	
(36)		5% WB	MCDBR	10.0	12.0	13.5	13.4	13.0	13.7	13.4	13.9	12.8	11.8	9.4	9.2	(36)	
(37)			MCWBR	7.4	8.1	8.2	7.0	6.5	6.1	5.8	6.0	6.5	7.3	6.5	7.0	(37)	
(38)	Clear-Sky Solar Irradiance		taub	0.317	0.343	0.374	0.411	0.426	0.440	0.439	0.432	0.408	0.376	0.355	0.317	(38)	
(39)			taud	2.469	2.386	2.286	2.194	2.195	2.206	2.227	2.242	2.294	2.357	2.405	2.495	(39)	
(40)			Ebn at Noon	774	818	840	839	838	826	821	810	795	765	711	732	(40)	
(41)			Edh at Noon	67	88	112	135	139	139	134	127	111	90	71	59	(41)	
(42)	All-Sky Solar Radiation		RadAvg	1.22	2.07	3.29	4.55	5.25	5.98	6.01	5.17	3.77	2.46	1.29	0.93	(42)	
(43)			RadStd	0.18	0.32	0.41	0.50	0.50	0.50	0.36	0.49	0.46	0.28	0.17	0.14	(43)	

Historical Trends

			DBAvg	Heating		Cooling			Degree-Days				
				99% DB	99% DP	1% DB	1% WB	1% DP	HDD10.0	HDD18.3	CDD10.0	CDD18.3	
			(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	
(44)	Station	Trend	+0.47	+1.74	N/S	N/S	+0.77	+0.98	N/A	N/A	N/A	N/A	(44)
(45)		Variability	0.7	3.3	3.1	1.4	0.8	1.0	N/A	N/A	N/A	N/A	(45)
(46)	Regional Trend (66 neighbors)		+0.63	+1.83	N/S	N/S	+0.36	+0.38	-175	-210	+105	+62	(46)

Nomenclature: See separate page

NOVA GORICA, Slovenia

WMO: **141060**

Lat: **45.8954N** Lon: **13.6241E** Elev: **56** StdP: **100.65** Time Zone: **1.00 (EUC)** Period: **1999-2023** Grade: **A** WBAN: **99999**

Annual Heating, Humidification, and Ventilation Design Conditions

	Coldest Month	Heating DB		Humidification DP/MCDB and HR						Coldest Month WS/MCDB				MCWS/PCWD to 99.6% DB		WSF	
				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)	(p)	
(1)	1	-5.2	-3.8	-13.3	1.2	0.9	-10.2	1.6	2.9	8.3	4.2	7.3	4.5	1.4	90	0.420	(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)	7	12.4	33.7	21.7	32.1	21.3	30.6	20.7	23.1	30.7	22.2	29.7	21.5	28.7	2.8	90	(2)

	Dehumidification DP/MCDB and HR									Enthalpy/MCDB						Extreme Max WB	
	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)	20.7	15.5	26.0	19.9	14.7	25.1	19.2	14.0	24.2	68.5	30.7	65.4	29.8	62.8	28.8	27.0	(3)

Extreme Annual Design Conditions

	Extreme Annual WS				Extreme Annual Temperature				n-Year Return Period Values of Extreme Temperature								
					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)		(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
(4)	7.4	6.4	5.4	DB	-7.6	36.0	2.0	1.5	-9.1	37.1	-10.2	38.0	-11.3	38.8	-12.7	39.9	(4)
(5)				WB	-8.4	24.6	2.0	1.1	-9.8	25.4	-11.0	26.1	-12.2	26.7	-13.7	27.5	(5)

Monthly Climatic Design Conditions

				Annual	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
				(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
(6)	Temperatures and Degree-Days		DBAvg	13.6	4.1	5.4	8.6	12.4	17.0	21.4	23.5	23.1	18.6	14.3	9.3	5.1	(6)
(7)			DBStd	7.46	3.09	2.89	2.94	2.88	2.79	2.92	2.52	2.82	2.75	3.20	3.69	3.19	(7)
(8)			HDD10.0	602	186	131	60	11	0	0	0	0	0	4	55	155	(8)
(9)			HDD18.3	2192	443	363	301	178	59	7	1	2	31	127	270	411	(9)
(10)			CDD10.0	1923	2	1	17	83	218	343	417	406	258	139	36	3	(10)
(11)			CDD18.3	468	0	0	0	1	18	100	160	149	38	3	0	0	(11)
(12)	Wind		WSAvg	2.0	1.8	2.2	2.3	2.2	2.1	1.9	2.0	2.0	2.0	1.9	1.9	1.7	(12)
(13)	Precipitation		PrecAvg	1432	95	83	99	95	121	121	96	131	134	169	155	132	(13)
(14)			PrecMax	2304	323	312	306	214	266	269	245	342	367	497	452	291	(14)
(15)			PrecMin	904	2	7	1	4	22	18	14	2	17	18	14	24	(15)
(16)			PrecStd	320	74	66	73	56	68	64	66	87	77	127	107	83	(16)
(17)	Monthly Design Dry Bulb and Mean Coincident Wet Bulb Temperatures	0.4%	DB	13.8	16.1	21.6	25.1	29.6	34.3	35.7	36.0	30.3	25.0	20.1	15.2	(17)	
(18)			MCWB	10.9	8.8	11.7	14.0	19.3	21.9	21.8	22.2	19.9	17.3	14.9	12.3	(18)	
(19)		2%	DB	12.0	13.9	18.7	22.7	27.3	32.0	33.5	34.0	28.6	23.1	17.8	13.0	(19)	
(20)			MCWB	9.1	8.3	11.1	13.7	18.0	21.1	21.9	21.6	19.2	17.2	14.1	10.3	(20)	
(21)		5%	DB	10.4	12.4	16.5	21.0	25.7	30.5	32.0	32.2	26.9	21.5	16.3	11.3	(21)	
(22)			MCWB	8.0	7.9	9.9	13.1	17.2	20.6	21.3	21.3	18.5	16.7	13.3	8.6	(22)	
(23)		10%	DB	9.1	10.8	14.7	19.3	23.9	29.0	30.5	30.4	25.0	20.0	14.8	10.0	(23)	
(24)			MCWB	7.1	7.5	9.2	12.4	16.2	20.0	20.7	20.9	17.9	16.0	12.4	7.8	(24)	
(25)	Monthly Design Wet Bulb and Mean Coincident Dry Bulb Temperatures	0.4%	WB	12.0	11.3	13.5	16.3	20.5	23.6	24.3	24.2	21.7	19.5	16.2	13.0	(25)	
(26)			MCDB	13.1	14.1	18.7	21.7	27.2	31.0	31.6	32.2	27.0	22.4	18.2	14.5	(26)	
(27)		2%	WB	10.3	9.9	12.1	15.0	19.0	22.2	23.1	23.1	20.6	18.6	15.1	11.3	(27)	
(28)			MCDB	11.2	11.9	16.1	19.6	25.7	29.8	30.8	30.7	26.0	21.3	16.9	12.7	(28)	
(29)		5%	WB	8.9	9.0	11.3	14.0	18.0	21.3	22.2	22.2	19.8	17.7	14.1	9.6	(29)	
(30)			MCDB	9.8	11.0	14.7	18.9	23.8	28.7	29.8	29.7	24.8	20.3	15.8	10.5	(30)	
(31)		10%	WB	7.7	8.2	10.5	13.2	17.1	20.5	21.4	21.5	18.9	16.8	13.0	8.5	(31)	
(32)			MCDB	8.6	10.1	13.5	17.8	22.2	27.5	28.7	28.6	23.2	19.1	14.3	9.5	(32)	
(33)	Mean Daily Temperature Range		MDBR	8.3	9.4	10.3	10.8	10.8	12.0	12.4	12.3	11.2	9.6	8.4	8.2	(33)	
(34)		5% DB	MCDBR	10.3	13.1	14.8	14.8	14.2	14.4	14.6	15.3	14.3	11.7	9.8	10.3	(34)	
(35)			MCWBR	7.1	8.1	8.1	7.0	5.9	5.3	5.0	5.0	5.9	6.4	6.2	7.0	(35)	
(36)		5% WB	MCDBR	6.2	9.3	11.2	11.8	12.5	13.3	13.7	13.5	11.5	8.7	7.5	6.7	(36)	
(37)			MCWBR	4.8	6.4	6.8	6.1	5.7	5.5	5.4	5.2	5.6	5.3	5.0	5.1	(37)	
(38)	Clear-Sky Solar Irradiance	taub		0.333	0.361	0.401	0.448	0.461	0.473	0.473	0.457	0.434	0.404	0.371	0.331	(38)	
(39)		taud		2.440	2.340	2.211	2.105	2.117	2.136	2.157	2.209	2.243	2.285	2.369	2.477	(39)	
(40)		Ebn at Noon		760	801	814	806	808	799	793	790	772	737	698	723	(40)	
(41)		Edh at Noon		71	94	122	148	151	149	145	132	118	98	76	62	(41)	
(42)	All-Sky Solar Radiation	RadAvg		1.38	2.25	3.53	4.65	5.40	6.19	6.33	5.39	3.99	2.57	1.45	1.14	(42)	
(43)		RadStd		0.21	0.29	0.44	0.55	0.57	0.46	0.38	0.48	0.36	0.27	0.23	0.17	(43)	

Historical Trends

			DBAvg	Heating		Cooling			Degree-Days				
				99% DB	99% DP	1% DB	1% WB	1% DP	HDD10.0	HDD18.3	CDD10.0	CDD18.3	
			(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	
(44)	Station	Trend	+0.39	N/S	N/S	N/S	+0.58	+0.54	N/A	N/A	N/A	N/A	(44)
(45)		Variability	0.5	1.3	2.4	1.4	0.7	0.7	N/A	N/A	N/A	N/A	(45)
(46)	Regional Trend (26 neighbors)		+0.54	+1.14	N/S	+0.69	+0.46	+0.40	-110	-147	+97	+80	(46)

Nomenclature: See separate page

NOVO MESTO, Slovenia

WMO: **141210**

Lat: **45.8018N** Lon: **15.1773E** Elev: **220** StdP: **98.71** Time Zone: **1.00 (EUC)** Period: **1999-2023** Grade: **A** WBAN: **99999**

Annual Heating, Humidification, and Ventilation Design Conditions

	Coldest Month	Heating DB		Humidification DP/MCDB and HR						Coldest Month WS/MCDB				MCWS/PCWD to 99.6% DB		WSF	
				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)	(p)	
(1)	1	-9.1	-6.8	-12.7	1.3	-5.6	-10.2	1.6	-3.9	6.3	8.9	5.4	6.9	1.5	50	0.428	(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)	7	11.6	32.2	21.3	30.5	20.9	28.9	20.4	22.7	29.4	21.8	28.4	21.0	27.5	2.3	50	(2)

	Dehumidification DP/MCDB and HR									Enthalpy/MCDB						Extreme Max WB	
	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)	20.6	15.7	26.5	19.6	14.7	25.1	18.7	13.9	23.8	68.3	29.3	64.8	28.5	61.6	27.6	26.3	(3)

Extreme Annual Design Conditions

	Extreme Annual WS				Extreme Annual Temperature				n-Year Return Period Values of Extreme Temperature								
					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)		(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
(4)	5.7	4.7	3.9	DB	-12.6	34.9	3.2	1.9	-14.9	36.2	-16.8	37.4	-18.6	38.4	-20.9	39.8	(4)
(5)				WB	-12.9	24.2	3.2	1.0	-15.2	24.9	-17.0	25.5	-18.8	26.1	-21.1	26.9	(5)

Monthly Climatic Design Conditions

				Annual	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
				(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
(6)	Temperatures and Degree-Days	DBAvg		11.6	1.1	3.1	7.0	11.4	15.7	19.8	21.5	21.3	16.4	12.0	6.7	2.2	(6)
(7)		DBStd		8.06	4.32	4.31	4.00	3.66	3.21	3.28	2.87	3.08	3.16	3.89	4.30	4.09	(7)
(8)		HDD10.0		989	276	194	107	28	2	0	0	0	1	26	114	242	(8)
(9)		HDD18.3		2770	533	426	351	209	93	21	7	9	74	198	348	499	(9)
(10)		CDD10.0		1561	1	2	15	69	178	294	356	349	192	87	16	2	(10)
(11)		CDD18.3		300	0	0	0	1	12	66	104	101	16	1	0	0	(11)
(12)	Wind	WSAvg		1.5	1.4	1.6	1.8	1.8	1.6	1.5	1.4	1.4	1.3	1.3	1.3	1.3	(12)
(13)	Precipitation	PrecAvg		1153	56	70	62	86	107	106	103	117	133	119	108	85	(13)
(14)		PrecMax		1482	136	201	136	228	176	190	202	273	274	335	237	158	(14)
(15)		PrecMin		827	5	1	3	6	32	24	15	14	26	17	3	0	(15)
(16)		PrecStd		161	35	52	37	46	42	41	47	70	78	75	48	43	(16)
(17)	Monthly Design Dry Bulb and Mean Coincident Wet Bulb Temperatures	0.4%	DB	14.5	16.8	21.6	25.8	28.9	33.0	34.2	34.8	28.7	24.9	19.7	15.2	(17)	
(18)			MCWB	9.9	9.0	11.8	14.7	18.6	21.6	21.2	21.5	19.8	17.5	13.4	11.2	(18)	
(19)		2%	DB	12.2	13.9	18.9	23.1	26.7	31.0	32.2	32.2	26.6	22.4	16.9	12.8	(19)	
(20)			MCWB	8.7	8.7	10.5	13.5	17.7	21.2	21.4	21.5	19.3	16.8	12.6	9.6	(20)	
(21)		5%	DB	10.0	12.1	16.6	21.1	24.9	29.3	30.4	30.1	24.7	20.4	14.8	10.4	(21)	
(22)			MCWB	7.4	7.8	9.7	12.6	16.9	20.5	20.9	21.0	18.2	15.6	11.9	8.2	(22)	
(23)		10%	DB	7.6	10.3	14.5	18.9	23.0	27.4	28.7	28.1	22.8	18.4	13.0	7.8	(23)	
(24)			MCWB	5.7	6.7	9.1	11.8	15.8	19.5	20.3	20.4	17.4	14.5	11.1	6.4	(24)	
(25)	Monthly Design Wet Bulb and Mean Coincident Dry Bulb Temperatures	0.4%	WB	10.5	10.5	12.5	16.1	20.1	23.5	23.9	24.1	21.0	18.3	14.4	11.6	(25)	
(26)			MCDB	13.6	14.9	19.6	22.7	26.7	30.2	30.8	31.0	26.8	23.4	17.2	14.8	(26)	
(27)		2%	WB	9.1	9.3	11.2	14.5	18.6	22.2	22.7	22.7	19.8	17.1	13.3	9.8	(27)	
(28)			MCDB	11.7	13.2	16.9	21.5	24.6	29.2	29.4	29.1	25.4	21.7	15.9	12.4	(28)	
(29)		5%	WB	7.6	8.2	10.4	13.4	17.5	21.0	21.6	21.8	18.9	16.1	12.3	8.3	(29)	
(30)			MCDB	9.8	11.6	15.4	19.3	23.4	27.9	28.5	27.9	23.8	19.7	14.7	10.3	(30)	
(31)		10%	WB	6.0	6.9	9.5	12.5	16.4	20.0	20.8	20.9	17.9	15.0	11.1	6.5	(31)	
(32)			MCDB	7.6	9.9	13.8	17.7	21.8	26.3	27.5	26.9	21.7	17.8	13.1	7.7	(32)	
(33)	Mean Daily Temperature Range		MDBR	6.6	8.7	10.5	10.8	10.8	11.2	11.6	11.3	10.1	9.2	6.6	6.0	(33)	
(34)		5% DB	MCDBR	10.5	13.2	15.3	15.7	14.4	14.3	14.8	14.8	13.4	12.2	10.2	10.1	(34)	
(35)			MCWBR	7.0	8.0	8.0	7.3	6.4	5.9	5.8	5.5	6.5	6.8	6.2	7.0	(35)	
(36)		5% WB	MCDBR	9.4	11.7	12.8	13.3	12.8	13.1	13.4	12.9	12.1	11.1	8.4	9.1	(36)	
(37)			MCWBR	6.3	7.3	6.9	6.4	6.1	5.9	5.9	5.8	6.2	6.4	5.2	6.5	(37)	
(38)	Clear-Sky Solar Irradiance	taub		0.323	0.348	0.386	0.423	0.435	0.446	0.445	0.434	0.416	0.386	0.360	0.319	(38)	
(39)		taud		2.433	2.330	2.257	2.166	2.183	2.201	2.222	2.256	2.282	2.323	2.394	2.479	(39)	
(40)		Ebn at Noon		773	816	831	830	832	823	818	812	791	759	715	740	(40)	
(41)		Edh at Noon		71	94	117	139	142	140	136	126	113	94	74	62	(41)	
(42)	All-Sky Solar Radiation	RadAvg		1.26	2.06	3.28	4.42	5.16	6.07	6.18	5.28	3.77	2.43	1.30	1.02	(42)	
(43)		RadStd		0.22	0.35	0.49	0.55	0.55	0.46	0.40	0.58	0.49	0.27	0.20	0.17	(43)	

Historical Trends

			DBAvg	Heating		Cooling			Degree-Days				
				99% DB	99% DP	1% DB	1% WB	1% DP	HDD10.0	HDD18.3	CDD10.0	CDD18.3	
			(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	
(44)	Station	Trend	+0.44	+1.18	N/S	N/S	+0.86	+0.99	N/A	N/A	N/A	N/A	(44)
(45)		Variability	0.6	1.8	2.1	1.3	0.8	1.0	N/A	N/A	N/A	N/A	(45)
(46)	Regional Trend (49 neighbors)		+0.54	+1.44	N/S	N/S	+0.44	+0.49	-131	-171	+91	+57	(46)

Nomenclature: See separate page

PORTOROZ SECOVLJE, Slovenia

WMO: **141050**

Lat: **45.4753N** Lon: **13.6160E** Elev: **2** StdP: **101.30** Time Zone: **1.00 (EUC)** Period: **1999-2023** Grade: **A** WBAN: **99999**

Annual Heating, Humidification, and Ventilation Design Conditions

	Coldest Month	Heating DB		Humidification DP/MCDB and HR						Coldest Month WS/MCDB				MCWS/PCWD to 99.6% DB		WSF	
				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)	(p)	
(1)	**1**	**-3.4**	**-2.0**	**-14.0**	**1.1**	**0.0**	**-10.6**	**1.5**	**2.2**	**9.3**	**6.6**	**8.3**	**6.9**	**3.6**	**120**	**0.444**	(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)	**7**	**11.6**	**32.9**	**22.5**	**31.6**	**22.1**	**30.4**	**21.6**	**24.2**	**30.6**	**23.3**	**29.7**	**22.5**	**28.9**	**3.6**	**320**	(2)

	Dehumidification DP/MCDB and HR									Enthalpy/MCDB						Extreme Max WB	
	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)	**22.0**	**16.6**	**28.7**	**21.0**	**15.6**	**27.6**	**20.1**	**14.8**	**26.5**	**72.1**	**30.6**	**68.8**	**29.8**	**65.9**	**28.9**	**26.8**	(3)

Extreme Annual Design Conditions

	Extreme Annual WS				Extreme Annual Temperature				n-Year Return Period Values of Extreme Temperature								
					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)		(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
(4)	**8.1**	**6.9**	**6.0**	DB	**-5.9**	**35.1**	**2.4**	**1.3**	**-7.7**	**36.0**	**-9.1**	**36.7**	**-10.5**	**37.4**	**-12.2**	**38.3**	(4)
(5)				WB	**-7.6**	**25.7**	**2.2**	**0.7**	**-9.2**	**26.2**	**-10.5**	**26.7**	**-11.7**	**27.1**	**-13.3**	**27.6**	(5)

Monthly Climatic Design Conditions

				Annual	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
				(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
(6)	**Temperatures and Degree-Days**	DBAvg		**14.4**	**5.3**	**6.1**	**9.2**	**13.0**	**17.4**	**21.7**	**23.7**	**23.5**	**19.5**	**15.2**	**10.9**	**6.8**	(6)
(7)		DBStd		**7.12**	**3.06**	**3.01**	**3.03**	**2.81**	**2.64**	**2.65**	**2.32**	**2.54**	**2.79**	**3.12**	**3.44**	**3.18**	(7)
(8)		HDD10.0		**461**	**149**	**112**	**50**	**7**	**0**	**0**	**0**	**0**	**0**	**3**	**31**	**108**	(8)
(9)		HDD18.3		**1951**	**404**	**343**	**282**	**159**	**50**	**4**	**1**	**1**	**21**	**103**	**224**	**359**	(9)
(10)		CDD10.0		**2064**	**3**	**3**	**26**	**98**	**229**	**350**	**424**	**418**	**284**	**164**	**57**	**8**	(10)
(11)		CDD18.3		**512**	**0**	**0**	**0**	**0**	**20**	**104**	**166**	**161**	**54**	**7**	**0**	**0**	(11)
(12)	**Wind**	WSAvg		**2.9**	**2.6**	**2.9**	**3.1**	**3.0**	**2.8**	**2.9**	**3.0**	**2.9**	**2.9**	**2.8**	**2.7**	**2.6**	(12)
(13)	**Precipitation**	PrecAvg		**955**	**54**	**62**	**58**	**65**	**71**	**75**	**60**	**74**	**126**	**101**	**118**	**90**	(13)
(14)		PrecMax		**1462**	**168**	**197**	**183**	**136**	**189**	**200**	**264**	**325**	**303**	**274**	**281**	**238**	(14)
(15)		PrecMin		**595**	**0**	**1**	**0**	**0**	**3**	**5**	**4**	**2**	**17**	**19**	**10**	**0**	(15)
(16)		PrecStd		**208**	**38**	**49**	**43**	**40**	**48**	**44**	**54**	**65**	**80**	**64**	**74**	**64**	(16)
(17)	**Monthly Design Dry Bulb and Mean Coincident Wet Bulb Temperatures**	0.4%	DB	**15.2**	**15.4**	**20.0**	**24.6**	**29.2**	**33.1**	**34.4**	**34.8**	**30.4**	**24.9**	**20.3**	**16.7**	(17)	
(18)			MCWB	**12.6**	**10.5**	**12.4**	**15.1**	**20.2**	**22.7**	**22.7**	**22.8**	**20.5**	**18.8**	**16.4**	**13.7**	(18)	
(19)		2%	DB	**13.3**	**13.9**	**17.9**	**22.5**	**27.1**	**31.4**	**32.8**	**33.1**	**28.7**	**23.4**	**18.7**	**14.5**	(19)	
(20)			MCWB	**10.9**	**10.1**	**11.6**	**14.3**	**19.2**	**22.0**	**22.3**	**22.6**	**20.0**	**18.1**	**15.2**	**12.1**	(20)	
(21)		5%	DB	**11.6**	**12.7**	**16.3**	**20.8**	**25.5**	**30.0**	**31.6**	**31.7**	**27.3**	**22.1**	**17.4**	**12.9**	(21)	
(22)			MCWB	**9.3**	**9.4**	**11.1**	**13.8**	**17.9**	**21.3**	**22.0**	**22.2**	**19.9**	**17.6**	**14.3**	**10.5**	(22)	
(23)		10%	DB	**10.3**	**11.5**	**14.9**	**19.3**	**23.9**	**28.6**	**30.3**	**30.2**	**25.8**	**20.7**	**16.2**	**11.6**	(23)	
(24)			MCWB	**8.2**	**8.6**	**10.4**	**13.2**	**17.1**	**20.6**	**21.7**	**21.7**	**19.1**	**17.0**	**13.6**	**9.4**	(24)	
(25)	**Monthly Design Wet Bulb and Mean Coincident Dry Bulb Temperatures**	0.4%	WB	**13.0**	**12.4**	**13.9**	**17.1**	**21.5**	**24.7**	**25.3**	**25.3**	**22.6**	**20.3**	**17.2**	**14.2**	(25)	
(26)			MCDB	**14.9**	**14.3**	**17.1**	**22.7**	**27.4**	**30.8**	**31.5**	**31.3**	**27.6**	**23.3**	**19.3**	**16.3**	(26)	
(27)		2%	WB	**11.3**	**11.1**	**12.9**	**15.8**	**19.9**	**23.3**	**24.2**	**24.2**	**21.6**	**19.3**	**16.0**	**12.5**	(27)	
(28)			MCDB	**13.0**	**13.0**	**16.3**	**20.6**	**25.9**	**29.6**	**30.8**	**30.5**	**26.6**	**22.3**	**18.1**	**14.3**	(28)	
(29)		5%	WB	**10.1**	**10.2**	**12.1**	**14.8**	**18.7**	**22.2**	**23.2**	**23.3**	**20.8**	**18.4**	**15.0**	**11.2**	(29)	
(30)			MCDB	**11.1**	**11.8**	**15.4**	**19.1**	**24.1**	**28.7**	**29.7**	**29.7**	**25.8**	**21.2**	**16.9**	**12.5**	(30)	
(31)		10%	WB	**8.9**	**9.2**	**11.2**	**13.9**	**17.7**	**21.3**	**22.4**	**22.5**	**19.9**	**17.5**	**14.0**	**10.1**	(31)	
(32)			MCDB	**9.8**	**10.9**	**14.1**	**17.9**	**22.8**	**27.6**	**28.9**	**29.0**	**24.7**	**20.0**	**15.8**	**11.0**	(32)	
(33)	**Mean Daily Temperature Range**		MDBR	**7.6**	**8.4**	**9.6**	**10.2**	**10.5**	**11.1**	**11.6**	**11.6**	**10.5**	**9.0**	**7.7**	**7.5**	(33)	
(34)		5% DB	MCDBR	**8.3**	**9.9**	**11.4**	**13.1**	**12.8**	**12.9**	**13.1**	**13.4**	**12.2**	**9.7**	**7.9**	**8.1**	(34)	
(35)			MCWBR	**6.2**	**6.9**	**7.0**	**7.1**	**6.6**	**6.3**	**6.4**	**6.5**	**6.0**	**5.7**	**5.5**	**5.9**	(35)	
(36)		5% WB	MCDBR	**6.0**	**7.6**	**9.3**	**11.0**	**11.8**	**12.3**	**12.3**	**12.2**	**10.4**	**8.2**	**6.6**	**6.3**	(36)	
(37)			MCWBR	**4.8**	**5.9**	**6.3**	**6.5**	**6.5**	**6.5**	**6.6**	**6.6**	**5.9**	**5.3**	**4.8**	**4.9**	(37)	
(38)	**Clear-Sky Solar Irradiance**	taub		**0.341**	**0.366**	**0.401**	**0.439**	**0.452**	**0.462**	**0.463**	**0.449**	**0.427**	**0.405**	**0.375**	**0.339**	(38)	
(39)		taud		**2.459**	**2.361**	**2.262**	**2.182**	**2.200**	**2.226**	**2.238**	**2.281**	**2.314**	**2.329**	**2.401**	**2.490**	(39)	
(40)		Ebn at Noon		**757**	**800**	**818**	**817**	**818**	**810**	**803**	**800**	**784**	**742**	**702**	**721**	(40)	
(41)		Edh at Noon		**71**	**93**	**117**	**138**	**140**	**137**	**134**	**124**	**110**	**95**	**75**	**63**	(41)	
(42)	**All-Sky Solar Radiation**	RadAvg		**1.32**	**2.20**	**3.56**	**4.85**	**5.77**	**6.60**	**6.68**	**5.68**	**4.16**	**2.60**	**1.44**	**1.09**	(42)	
(43)		RadStd		**0.23**	**0.28**	**0.46**	**0.52**	**0.55**	**0.40**	**0.36**	**0.47**	**0.32**	**0.26**	**0.20**	**0.17**	(43)	

Historical Trends

		DBAvg	Heating		Cooling			Degree-Days				
			99% DB	99% DP	1% DB	1% WB	1% DP	HDD10.0	HDD18.3	CDD10.0	CDD18.3	
		(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	
(44)	Station Trend	**+0.38**	**+0.75**	**N/S**	**N/S**	**+0.45**	**+0.42**	**-83**	**-117**	**+67**	**+78**	(44)
(45)	Station Variability	**0.5**	**1.3**	**2.3**	**1.0**	**0.6**	**0.6**	**122**	**171**	**130**	**96**	(45)
(46)	Regional Trend (26 neighbors)	**+0.53**	**+1.10**	**N/S**	**+0.63**	**+0.35**	**+0.29**	**-98**	**-137**	**+98**	**+77**	(46)

Nomenclature: See separate page

POSTOJNA, Slovenia

WMO: **141120**

Lat: **45.767N** Lon: **14.200E** Elev: **533** StdP: **95.08** Time Zone: **1.00 (EUC)** Period: **2012-2023** Grade: **B** WBAN: **99999**

Annual Heating, Humidification, and Ventilation Design Conditions

	Coldest Month	Heating DB		Humidification DP/MCDB and HR						Coldest Month WS/MCDB				MCWS/PCWD to 99.6% DB		WSF	
		99.6%	99%	99.6% DP	99.6% HR	99.6% MCDB	99% DP	99% HR	99% MCDB	0.4% WS	0.4% MCDB	1% WS	1% MCDB	MCWS	PCWD		
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
(1)	**1**	**-8.1**	**-6.1**	**-13.4**	**1.3**	**-5.1**	**-10.6**	**1.6**	**-0.5**	**8.6**	**0.5**	**6.6**	**2.7**	**0.7**	**150**	**0.468**	(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% DB	0.4% MCWB	1% DB	1% MCWB	2% DB	2% MCWB	0.4% WB	0.4% MCDB	1% WB	1% MCDB	2% WB	2% MCDB	MCWS	PCWD	
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
(2)	**7**	**12.7**	**30.9**	**20.2**	**29.3**	**19.8**	**27.7**	**19.2**	**21.4**	**28.5**	**20.5**	**27.4**	**19.8**	**26.3**	**2.1**	**260**	(2)

	Dehumidification DP/MCDB and HR									Enthalpy/MCDB						Extreme Max WB	
	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)	**19.0**	**14.7**	**25.1**	**18.1**	**13.9**	**23.8**	**17.4**	**13.3**	**22.9**	**64.7**	**28.7**	**61.6**	**27.6**	**58.9**	**26.5**	**24.5**	(3)

Extreme Annual Design Conditions

	Extreme Annual WS				Extreme Annual Temperature				n-Year Return Period Values of Extreme Temperature								
					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)		(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
(4)	**6.4**	**5.4**	**4.6**	DB	**-11.1**	**33.5**	**2.1**	**1.6**	**-12.6**	**34.7**	**-13.8**	**35.7**	**-15.0**	**36.6**	**-16.6**	**37.8**	(4)
(5)				WB	**-11.8**	**23.0**	**2.1**	**1.1**	**-13.2**	**23.8**	**-14.4**	**24.4**	**-15.6**	**25.1**	**-17.1**	**25.9**	(5)

Monthly Climatic Design Conditions

				Annual	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
				(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
(6)	**Temperatures and Degree-Days**	DBAvg		**10.8**	**1.6**	**3.1**	**5.7**	**9.4**	**13.4**	**18.5**	**20.4**	**20.2**	**15.6**	**11.7**	**6.8**	**2.8**	(6)
(7)		DBStd		**7.35**	**3.76**	**3.74**	**3.27**	**3.37**	**3.04**	**2.79**	**2.45**	**2.82**	**3.05**	**3.11**	**3.70**	**3.60**	(7)
(8)		HDD10.0		**998**	**259**	**194**	**137**	**49**	**6**	**0**	**0**	**0**	**1**	**21**	**108**	**223**	(8)
(9)		HDD18.3		**2942**	**518**	**427**	**393**	**268**	**155**	**33**	**9**	**16**	**89**	**207**	**347**	**481**	(9)
(10)		CDD10.0		**1291**	**0**	**1**	**2**	**31**	**111**	**253**	**323**	**315**	**171**	**72**	**11**	**1**	(10)
(11)		CDD18.3		**192**	**0**	**0**	**0**	**0**	**2**	**36**	**74**	**72**	**8**	**0**	**0**	**0**	(11)
(12)	**Wind**	WSAvg		**1.9**	**2.1**	**2.3**	**2.2**	**2.0**	**1.9**	**1.6**	**1.6**	**1.7**	**1.7**	**2.0**	**2.2**	**2.2**	(12)
(13)	**Precipitation**	PrecAvg		**1515**	**93**	**109**	**99**	**114**	**127**	**115**	**99**	**111**	**167**	**159**	**171**	**152**	(13)
(14)		PrecMax		**2069**	**333**	**329**	**274**	**286**	**298**	**239**	**181**	**224**	**373**	**524**	**436**	**399**	(14)
(15)		PrecMin		**1010**	**4**	**2**	**6**	**0**	**19**	**17**	**33**	**16**	**26**	**14**	**3**	**0**	(15)
(16)		PrecStd		**256**	**73**	**85**	**76**	**69**	**72**	**56**	**44**	**59**	**101**	**106**	**105**	**93**	(16)
(17)	**Monthly Design Dry Bulb and Mean Coincident Wet Bulb Temperatures**	0.4%	DB	**11.1**	**16.6**	**20.1**	**22.7**	**25.2**	**31.1**	**32.8**	**34.1**	**27.6**	**23.1**	**18.2**	**13.7**	(17)
(18)			MCWB	**8.2**	**7.8**	**9.8**	**13.1**	**17.1**	**19.9**	**20.0**	**20.7**	**18.0**	**16.0**	**11.9**	**10.0**	(18)
(19)		2%	DB	**9.8**	**11.5**	**16.8**	**20.5**	**23.7**	**29.2**	**30.8**	**31.2**	**25.8**	**20.2**	**14.9**	**10.8**	(19)
(20)			MCWB	**7.7**	**6.5**	**9.2**	**11.6**	**15.8**	**19.7**	**20.4**	**20.3**	**17.8**	**14.9**	**12.4**	**8.7**	(20)
(21)		5%	DB	**8.9**	**9.7**	**14.1**	**18.7**	**22.1**	**27.5**	**29.3**	**29.4**	**24.1**	**18.3**	**13.6**	**9.4**	(21)
(22)			MCWB	**7.2**	**6.9**	**8.0**	**11.0**	**15.0**	**18.8**	**20.0**	**19.7**	**17.1**	**14.4**	**11.7**	**7.9**	(22)
(23)		10%	DB	**7.7**	**8.7**	**11.6**	**16.7**	**20.2**	**25.9**	**27.7**	**27.4**	**22.0**	**16.7**	**12.4**	**8.2**	(23)
(24)			MCWB	**6.4**	**6.5**	**7.1**	**10.3**	**14.1**	**17.9**	**19.2**	**19.5**	**16.5**	**13.7**	**10.9**	**6.9**	(24)
(25)	**Monthly Design Wet Bulb and Mean Coincident Dry Bulb Temperatures**	0.4%	WB	**9.6**	**9.4**	**11.2**	**14.2**	**18.4**	**22.0**	**22.7**	**22.3**	**19.4**	**17.1**	**13.6**	**10.9**	(25)
(26)			MCDB	**10.3**	**12.6**	**17.6**	**20.8**	**23.8**	**28.9**	**30.0**	**29.6**	**24.5**	**20.7**	**15.2**	**12.0**	(26)
(27)		2%	WB	**8.7**	**8.6**	**9.9**	**12.8**	**16.8**	**20.5**	**21.4**	**21.2**	**18.5**	**15.9**	**12.8**	**9.3**	(27)
(28)			MCDB	**9.4**	**10.0**	**14.0**	**18.2**	**22.4**	**27.2**	**28.6**	**28.3**	**23.9**	**18.8**	**14.3**	**10.3**	(28)
(29)		5%	WB	**7.6**	**7.9**	**8.9**	**11.9**	**15.7**	**19.4**	**20.6**	**20.5**	**17.9**	**15.1**	**12.0**	**8.2**	(29)
(30)			MCDB	**8.5**	**9.2**	**12.4**	**16.5**	**20.8**	**26.0**	**27.6**	**27.4**	**23.0**	**17.3**	**13.3**	**9.2**	(30)
(31)		10%	WB	**6.5**	**6.9**	**8.1**	**11.1**	**14.6**	**18.5**	**19.7**	**19.8**	**17.1**	**14.3**	**11.1**	**7.1**	(31)
(32)			MCDB	**7.6**	**8.7**	**10.9**	**15.3**	**19.4**	**24.8**	**26.6**	**26.1**	**21.3**	**16.3**	**12.5**	**8.2**	(32)
(33)	**Mean Daily Temperature Range**		MDBR	**6.9**	**7.7**	**9.8**	**11.0**	**10.2**	**12.3**	**12.7**	**12.4**	**10.5**	**8.9**	**6.7**	**7.0**	(33)
(34)		5% DB	MCDBR	**8.8**	**11.2**	**16.5**	**16.3**	**13.7**	**15.1**	**15.7**	**16.3**	**14.1**	**11.7**	**9.2**	**9.7**	(34)
(35)			MCWBR	**6.2**	**7.2**	**9.7**	**9.0**	**6.9**	**6.8**	**6.8**	**6.6**	**7.0**	**7.1**	**6.4**	**7.1**	(35)
(36)		5% WB	MCDBR	**5.3**	**7.5**	**12.6**	**13.0**	**12.4**	**14.1**	**14.5**	**13.6**	**12.4**	**9.9**	**8.0**	**7.3**	(36)
(37)			MCWBR	**4.4**	**5.4**	**7.8**	**7.5**	**6.6**	**6.8**	**6.9**	**6.2**	**6.6**	**6.4**	**5.8**	**5.7**	(37)
(38)	**Clear-Sky Solar Irradiance**	taub		**0.307**	**0.331**	**0.366**	**0.404**	**0.417**	**0.426**	**0.427**	**0.415**	**0.394**	**0.369**	**0.341**	**0.305**	(38)
(39)		taud		**2.469**	**2.374**	**2.311**	**2.222**	**2.223**	**2.242**	**2.255**	**2.295**	**2.332**	**2.376**	**2.450**	**2.513**	(39)
(40)		Ebn at Noon		**798**	**839**	**854**	**849**	**848**	**840**	**834**	**830**	**815**	**782**	**744**	**764**	(40)
(41)		Edh at Noon		**68**	**90**	**110**	**132**	**136**	**134**	**131**	**121**	**107**	**89**	**70**	**60**	(41)
(42)	**All-Sky Solar Radiation**	RadAvg		**1.30**	**2.11**	**3.37**	**4.52**	**5.29**	**6.16**	**6.28**	**5.35**	**3.87**	**2.48**	**1.35**	**1.05**	(42)
(43)		RadStd		**0.22**	**0.33**	**0.47**	**0.55**	**0.56**	**0.46**	**0.39**	**0.55**	**0.44**	**0.27**	**0.20**	**0.17**	(43)

Historical Trends

		DBAvg	Heating		Cooling			Degree-Days			
			99% DB	99% DP	1% DB	1% WB	1% DP	HDD10.0	HDD18.3	CDD10.0	CDD18.3
		(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)
(44)	Station Trend	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	(44)
(45)	Station Variability	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	(45)
(46)	Regional Trend (24 neighbors)	**+0.44**	**+1.84**	**N/S**	**N/S**	**N/S**	**N/S**	**-142**	**-173**	**+79**	**+37**	(46)

Nomenclature: See separate page

RATECE, Slovenia

WMO: **140070**

Lat: **46.500N** Lon: **13.717E** Elev: **865** StdP: **91.36** Time Zone: **1.00 (EUC)** Period: **2012-2023** Grade: **B** WBAN: **99999**

Annual Heating, Humidification, and Ventilation Design Conditions

	Coldest Month	Heating DB		Humidification DP/MCDB and HR						Coldest Month WS/MCDB				MCWS/PCWD to 99.6% DB		WSF	
		99.6%	99%	99.6%			99%			0.4%		1%					
				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)	(p)	
(1)	1	-12.9	-10.7	-15.9	1.0	-11.0	-13.6	1.3	-8.1	3.6	1.6	3.2	0.2	0.4	270	0.504	(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)	7	12.7	29.0	19.2	27.4	18.6	25.7	17.8	20.2	27.3	19.2	26.1	18.3	24.7	1.7	90	(2)

	Dehumidification DP/MCDB and HR									Enthalpy/MCDB						Extreme Max WB	
	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)	17.5	13.9	24.1	16.7	13.2	22.7	15.9	12.5	21.4	62.0	27.6	58.6	26.2	55.4	24.8	23.3	(3)

Extreme Annual Design Conditions

	Extreme Annual WS				Extreme Annual Temperature				n-Year Return Period Values of Extreme Temperature								
					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)		(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
(4)	3.5	3.0	2.4	DB	-15.8	31.8	2.6	1.7	-17.7	33.0	-19.2	34.0	-20.6	35.0	-22.5	36.2	(4)
(5)				WB	-16.3	21.8	2.6	0.7	-18.2	22.3	-19.7	22.8	-21.1	23.2	-23.0	23.7	(5)

Monthly Climatic Design Conditions

				Annual	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
				(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
(6)	Temperatures and Degree-Days	DBAvg		8.1	-2.1	-0.2	3.1	7.4	11.4	16.6	18.4	17.6	13.4	9.2	3.6	-1.3	(6)
(7)		DBStd		7.88	3.55	3.51	3.40	3.54	3.24	2.98	2.66	3.09	3.07	3.21	3.82	3.29	(7)
(8)		HDD10.0		1589	374	284	213	91	23	0	0	0	7	54	193	349	(8)
(9)		HDD18.3		3798	632	518	472	328	216	69	32	51	147	284	442	608	(9)
(10)		CDD10.0		914	0	0	0	13	65	198	261	237	111	29	1	0	(10)
(11)		CDD18.3		80	0	0	0	0	0	16	34	29	1	0	0	0	(11)
(12)	Wind	WSAvg		0.9	0.7	0.9	1.0	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7	0.6	(12)
(13)	Precipitation	PrecAvg		1526	73	74	85	100	125	128	154	165	154	183	177	107	(13)
(14)		PrecMax		2081	361	328	217	207	306	256	331	389	287	457	543	395	(14)
(15)		PrecMin		1135	3	0	2	16	25	39	30	92	52	0	9	0	(15)
(16)		PrecStd		254	72	75	58	56	58	53	61	63	67	112	137	85	(16)
(17)	Monthly Design Dry Bulb and Mean Coincident Wet Bulb Temperatures	0.4%	DB	8.7	11.5	18.4	22.1	24.7	29.7	31.2	31.0	25.4	21.6	16.9	8.6	(17)	
(18)			MCWB	4.6	5.2	8.8	12.0	16.7	18.8	20.1	19.7	17.1	14.5	10.7	5.6	(18)	
(19)		2%	DB	5.9	9.4	15.5	19.5	22.5	27.8	29.0	28.9	23.9	19.1	12.5	6.4	(19)	
(20)			MCWB	3.3	4.5	7.8	10.6	14.5	18.1	19.3	19.4	16.8	13.0	8.8	4.3	(20)	
(21)		5%	DB	4.3	7.2	12.5	17.3	20.7	26.1	27.4	26.9	22.1	17.1	10.6	4.7	(21)	
(22)			MCWB	2.2	3.4	6.1	9.8	13.6	17.6	18.8	18.7	15.9	12.3	8.8	3.0	(22)	
(23)		10%	DB	2.7	5.2	9.7	15.0	18.6	24.4	25.6	25.0	20.2	14.9	9.3	3.0	(23)	
(24)			MCWB	1.3	2.2	4.8	9.0	12.8	16.6	17.9	18.0	14.9	11.1	8.1	1.7	(24)	
(25)	Monthly Design Wet Bulb and Mean Coincident Dry Bulb Temperatures	0.4%	WB	5.5	6.1	9.7	13.2	17.4	20.5	21.4	21.2	18.1	15.3	11.2	6.5	(25)	
(26)			MCDB	7.7	10.1	17.3	20.9	23.8	27.8	28.6	28.5	24.0	20.5	14.7	7.5	(26)	
(27)		2%	WB	4.0	4.9	8.2	11.6	15.6	19.1	20.3	20.1	17.2	13.7	10.1	4.8	(27)	
(28)			MCDB	5.7	8.8	14.3	17.3	20.8	26.5	27.6	27.1	22.7	17.7	11.6	6.0	(28)	
(29)		5%	WB	2.7	3.8	6.6	10.4	14.2	18.1	19.3	19.2	16.4	12.8	9.2	3.2	(29)	
(30)			MCDB	3.8	6.7	11.9	15.8	19.2	24.9	26.2	25.8	21.5	16.2	10.4	4.6	(30)	
(31)		10%	WB	1.5	2.7	5.3	9.4	13.1	17.1	18.3	18.2	15.4	11.8	8.0	1.8	(31)	
(32)			MCDB	2.6	4.9	9.2	14.2	17.7	23.1	24.6	24.3	19.5	14.3	9.2	2.7	(32)	
(33)	Mean Daily Temperature Range		MDBR	8.8	9.3	11.5	12.1	10.9	12.7	12.7	12.4	11.3	10.8	7.6	8.0	(33)	
(34)		5% DB	MCDBR	10.6	13.1	16.8	16.8	15.1	15.8	15.8	15.7	14.7	14.3	10.7	9.8	(34)	
(35)			MCWBR	7.9	8.9	9.7	9.2	8.0	7.4	7.3	7.3	8.1	8.5	7.7	7.5	(35)	
(36)		5% WB	MCDBR	8.9	11.5	15.4	14.2	13.5	14.9	15.0	14.9	13.3	11.8	9.2	8.7	(36)	
(37)			MCWBR	7.0	8.1	9.2	8.3	7.6	7.4	7.4	7.5	7.5	7.3	6.9	7.0	(37)	
(38)	Clear-Sky Solar Irradiance	taub		0.271	0.296	0.339	0.390	0.400	0.416	0.418	0.407	0.381	0.345	0.316	0.269	(38)	
(39)		taud		2.382	2.302	2.207	2.253	2.275	2.278	2.285	2.322	2.373	2.470	2.535	2.397	(39)	
(40)		Ebn at Noon		830	872	876	861	863	848	840	835	826	809	776	790	(40)	
(41)		Edh at Noon		70	94	120	127	129	129	127	118	102	80	63	62	(41)	
(42)	All-Sky Solar Radiation	RadAvg		1.46	2.30	3.48	4.38	4.88	5.62	5.82	4.98	3.75	2.52	1.44	1.19	(42)	
(43)		RadStd		0.19	0.31	0.41	0.57	0.60	0.54	0.41	0.50	0.44	0.27	0.26	0.17	(43)	

Historical Trends

			DBAvg	Heating		Cooling			Degree-Days				
				99% DB	99% DP	1% DB	1% WB	1% DP	HDD10.0	HDD18.3	CDD10.0	CDD18.3	
			(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	
(44)	Station	Trend	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	(44)
(45)		Variability	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	(45)
(46)	Regional Trend (31 neighbors)		+0.67	+1.73	N/S	N/S	+0.47	+0.52	-210	-299	+122	+27	(46)

Nomenclature: See separate page

SLOVENJ GRADEC, Slovenia

WMO: **140210**

Lat: **46.4896N** Lon: **15.1112E** Elev: **444** StdP: **96.10** Time Zone: **1.00 (EUC)** Period: **1999-2023** Grade: **B** WBAN: **99999**

Annual Heating, Humidification, and Ventilation Design Conditions

	Coldest Month	Heating DB		Humidification DP/MCDB and HR						Coldest Month WS/MCDB				MCWS/PCWD to 99.6% DB		WSF	
		99.6%	99%	99.6%			99%			0.4%		1%					
				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)	(p)	
(1)	1	-12.5	-9.6	-15.5	1.0	-9.9	-12.6	1.3	-7.3	6.5	1.3	5.7	2.4	0.5	130	0.469	(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)	7	11.4	30.3	20.7	28.7	20.1	27.1	19.3	21.7	28.4	20.7	27.0	19.8	25.9	2.6	140	(2)

	Dehumidification DP/MCDB and HR									Enthalpy/MCDB						Extreme Max WB	
	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)	19.4	15.0	25.1	18.5	14.1	24.0	17.6	13.3	22.8	65.4	28.5	61.8	27.2	58.8	26.0	24.6	(3)

Extreme Annual Design Conditions

	Extreme Annual WS				Extreme Annual Temperature				n-Year Return Period Values of Extreme Temperature								
					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)		(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
(4)	5.5	4.8	4.2	DB	-15.2	32.9	3.8	1.7	-17.9	34.1	-20.1	35.1	-22.2	36.0	-25.0	37.3	(4)
(5)				WB	-15.3	23.4	4.0	1.0	-18.1	24.1	-20.5	24.6	-22.7	25.2	-25.6	25.9	(5)

Monthly Climatic Design Conditions

				Annual	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
				(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
(6)	Temperatures and Degree-Days	DBAvg		9.8	-1.0	1.2	4.9	9.4	13.9	18.6	19.9	19.2	14.8	11.0	5.2	-0.1	(6)
(7)		DBStd		8.14	3.87	3.69	3.92	3.80	3.40	3.26	2.98	3.09	3.14	3.28	3.95	3.41	(7)
(8)		HDD10.0		1305	342	246	161	56	6	0	0	0	2	29	151	313	(8)
(9)		HDD18.3		3293	599	479	417	268	142	36	18	27	113	227	395	572	(9)
(10)		CDD10.0		1229	0	0	2	37	126	259	308	286	145	60	6	0	(10)
(11)		CDD18.3		177	0	0	0	0	4	44	68	55	6	0	0	0	(11)
(12)	Wind	WSAvg		1.5	1.3	1.6	1.8	1.9	1.8	1.7	1.6	1.4	1.3	1.5	1.4	1.2	(12)
(13)	Precipitation	PrecAvg		1168	45	49	59	76	106	137	142	139	130	108	102	74	(13)
(14)		PrecMax		1497	170	169	133	190	218	263	285	248	285	249	232	168	(14)
(15)		PrecMin		836	2	0	0	9	38	48	42	25	46	1	1	0	(15)
(16)		PrecStd		146	37	43	39	43	47	53	64	58	61	61	57	44	(16)
(17)	Monthly Design Dry Bulb and Mean Coincident Wet Bulb Temperatures	0.4%	DB	11.4	14.2	19.5	23.8	26.6	31.0	32.3	32.6	26.9	22.7	16.8	11.6		(17)
(18)			MCWB	8.4	7.6	10.6	13.7	17.2	20.3	20.7	20.8	18.9	16.4	12.1	8.9		(18)
(19)		2%	DB	8.3	11.0	16.5	21.0	24.4	29.1	30.4	30.2	24.8	20.3	14.6	8.4		(19)
(20)			MCWB	5.7	6.3	9.6	12.4	16.2	19.8	20.7	21.0	18.2	15.0	11.6	6.2		(20)
(21)		5%	DB	6.0	9.1	14.1	19.0	22.7	27.5	28.7	28.1	22.9	18.5	12.9	5.6		(21)
(22)			MCWB	3.9	5.6	8.4	12.0	15.3	19.2	20.3	20.3	17.1	14.3	10.9	4.1		(22)
(23)		10%	DB	4.1	7.1	11.9	16.8	20.9	25.8	27.0	26.2	21.0	16.8	11.1	4.0		(23)
(24)			MCWB	2.4	4.1	7.5	11.0	14.5	18.2	19.4	19.3	16.0	13.5	9.6	2.9		(24)
(25)	Monthly Design Wet Bulb and Mean Coincident Dry Bulb Temperatures	0.4%	WB	8.9	8.5	11.6	14.9	18.6	22.2	23.1	22.9	19.6	17.0	13.3	9.6		(25)
(26)			MCDB	10.9	12.5	18.1	21.0	24.2	29.1	29.5	29.7	25.5	21.8	15.3	11.2		(26)
(27)		2%	WB	6.2	7.3	10.2	13.6	17.0	20.7	21.8	21.6	18.7	15.7	12.2	6.6		(27)
(28)			MCDB	8.1	10.5	15.0	19.3	23.3	27.6	28.4	28.3	24.0	19.1	14.2	8.1		(28)
(29)		5%	WB	4.4	5.9	9.1	12.4	16.0	19.7	20.8	20.6	17.7	14.8	11.1	4.5		(29)
(30)			MCDB	5.8	8.9	13.4	17.7	21.5	26.1	27.2	26.5	22.2	17.9	12.7	5.4		(30)
(31)		10%	WB	2.7	4.5	8.0	11.4	15.1	18.8	19.9	19.6	16.5	13.8	9.6	3.1		(31)
(32)			MCDB	3.9	7.0	11.8	16.0	19.9	25.0	26.2	25.1	20.0	16.5	11.2	3.9		(32)
(33)	Mean Daily Temperature Range		MDBR	7.8	9.1	11.4	11.0	10.4	11.2	11.4	11.2	10.7	9.8	6.8	6.4		(33)
(34)		5% DB	MCDBR	10.4	13.5	16.3	15.3	14.0	14.0	14.4	15.1	13.9	12.5	10.7	9.5		(34)
(35)			MCWBR	7.6	9.1	9.7	8.0	6.6	6.2	6.3	6.9	7.6	7.7	7.5	7.1		(35)
(36)		5% WB	MCDBR	9.2	12.6	14.3	13.2	12.6	13.5	13.5	13.6	13.3	11.2	9.1	8.2		(36)
(37)			MCWBR	6.9	8.9	8.8	7.1	6.2	6.2	6.3	6.8	7.3	7.1	6.6	6.4		(37)
(38)	Clear-Sky Solar Irradiance	taub		0.301	0.325	0.367	0.410	0.422	0.436	0.436	0.427	0.403	0.370	0.341	0.300		(38)
(39)		taud		2.433	2.304	2.315	2.218	2.238	2.244	2.262	2.289	2.331	2.393	2.462	2.481		(39)
(40)		Ebn at Noon		794	836	850	841	842	830	824	816	802	776	736	756		(40)
(41)		Edh at Noon		69	95	109	132	134	134	130	122	107	87	68	59		(41)
(42)	All-Sky Solar Radiation	RadAvg		1.30	2.15	3.34	4.39	5.06	5.80	5.93	5.05	3.68	2.45	1.30	1.03		(42)
(43)		RadStd		0.21	0.33	0.42	0.52	0.51	0.45	0.38	0.53	0.50	0.27	0.21	0.16		(43)

Historical Trends

		DBAvg	Heating		Cooling			Degree-Days			
			99% DB	99% DP	1% DB	1% WB	1% DP	HDD10.0	HDD18.3	CDD10.0	CDD18.3
		(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)
(44)	Station Trend	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
(45)	Station Variability	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
(46)	Regional Trend (43 neighbors)	+0.56	+1.95	N/S	N/S	+0.35	+0.39	-164	-194	+93	+57

Nomenclature: See separate page

VOGEL, Slovenia

WMO: **140061**

Lat: **46.2636N** Lon: **13.8408E** Elev: **1535** StdP: **84.19** Time Zone: **1.00 (EUC)** Period: **2004-2023** Grade: **D** WBAN: **99999**

Annual Heating, Humidification, and Ventilation Design Conditions

	Coldest Month	Heating DB		Humidification DP/MCDB and HR						Coldest Month WS/MCDB				MCWS/PCWD to 99.6% DB		WSF	
				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)	(p)	
(1)	1	-13.0	-11.4	N/A	N/A	N/A	N/A	N/A	N/A	8.1	-1.6	7.1	-2.6	0.6	50	0.599	(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)	7	7.9	22.2	N/A	20.7	N/A	19.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.0	230	(2)

	Dehumidification DP/MCDB and HR									Enthalpy/MCDB						Extreme Max WB	
	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)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	(3)

Extreme Annual Design Conditions

	Extreme Annual WS				Extreme Annual Temperature				n-Year Return Period Values of Extreme Temperature								
					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)		(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
(4)	6.9	5.4	4.1	DB	-16.6	27.0	3.9	4.6	-19.5	30.3	-21.8	32.9	-24.0	35.5	-26.9	38.8	(4)
(5)				WB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	(5)

Monthly Climatic Design Conditions

				Annual	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
				(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
(6)	Temperatures and Degree-Days		DBAvg	5.0	-2.6	-2.3	-1.1	3.0	7.3	12.1	13.9	13.4	9.4	6.0	1.6	-1.2	(6)
(7)			DBStd	7.16	4.30	4.64	4.51	3.76	3.61	3.56	3.20	3.24	3.47	4.03	4.39	4.32	(7)
(8)			HDD10.0	2211	392	344	346	211	99	19	6	8	51	134	252	348	(8)
(9)			HDD18.3	4877	650	578	604	461	341	188	142	157	267	382	501	607	(9)
(10)			CDD10.0	382	0	0	0	1	17	82	126	112	33	11	1	0	(10)
(11)			CDD18.3	7	0	0	0	0	0	1	3	3	0	0	0	0	(11)
(12)	Wind		WSAvg	0.8	0.8	1.2	0.8	0.7	0.8	0.6	0.5	0.5	0.6	0.9	0.9	0.7	(12)
(13)	Precipitation		PrecAvg	1972	96	99	115	147	148	170	167	164	212	240	250	164	(13)
(14)			PrecMax	2638	449	440	353	332	291	294	289	293	411	597	812	457	(14)
(15)			PrecMin	1476	5	2	3	22	43	36	59	80	82	0	39	0	(15)
(16)			PrecStd	314	89	93	78	77	59	67	55	61	96	135	173	125	(16)
(17)	Monthly Design Dry Bulb and Mean Coincident Wet Bulb Temperatures	0.4%	DB	9.6	9.7	9.7	14.7	19.5	22.6	24.1	24.3	20.6	18.0	14.5	9.7	(17)
(18)			MCWB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	(18)
(19)		2%	DB	6.7	7.3	8.2	11.7	16.7	21.0	22.1	22.3	18.1	15.8	11.2	6.8	(19)
(20)			MCWB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	(20)
(21)		5%	DB	4.7	5.2	6.4	10.1	14.6	19.4	20.7	20.2	16.3	13.9	8.6	5.2	(21)
(22)			MCWB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	(22)
(23)		10%	DB	2.7	3.6	4.4	8.6	12.9	18.0	19.3	18.6	14.6	11.4	7.2	4.0	(23)
(24)			MCWB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	(24)
(25)	Monthly Design Wet Bulb and Mean Coincident Dry Bulb Temperatures	0.4%	WB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	(25)
(26)			MCDB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	(26)
(27)		2%	WB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	(27)
(28)			MCDB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	(28)
(29)		5%	WB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	(29)
(30)			MCDB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	(30)
(31)		10%	WB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	(31)
(32)			MCDB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	(32)
(33)	Mean Daily Temperature Range		MDBR	5.9	7.3	6.5	6.5	6.5	7.4	7.9	7.7	7.2	6.7	5.6	6.0	(33)
(34)		5% DB	MCDBR	8.3	9.0	8.3	8.7	8.8	8.8	9.5	9.6	8.9	9.4	8.2	7.9	(34)
(35)			MCWBR	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	(35)
(36)		5% WB	MCDBR	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	(36)
(37)			MCWBR	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	(37)
(38)	Clear-Sky Solar Irradiance		taub	0.248	0.267	0.300	0.338	0.348	0.359	0.360	0.351	0.333	0.308	0.285	0.250	(38)
(39)			taud	2.421	2.358	2.332	2.382	2.381	2.381	2.381	2.416	2.459	2.526	2.578	2.498	(39)
(40)			Ebn at Noon	872	915	926	916	913	901	895	891	881	859	825	835	(40)
(41)			Edh at Noon	67	88	106	112	116	117	115	107	93	75	59	56	(41)
(42)	All-Sky Solar Radiation		RadAvg	1.40	2.25	3.46	4.46	5.08	5.84	6.01	5.13	3.82	2.52	1.42	1.14	(42)
(43)			RadStd	0.20	0.31	0.42	0.56	0.58	0.50	0.40	0.50	0.43	0.27	0.24	0.17	(43)

Historical Trends

			DBAvg	Heating		Cooling			Degree-Days				
				99% DB	99% DP	1% DB	1% WB	1% DP	HDD10.0	HDD18.3	CDD10.0	CDD18.3	
			(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	
(44)	Station	Trend	+0.83	N/S	N/A	N/S	N/A	N/A	-258	-307	+89	N/S	(44)
(45)		Variability	0.8	2.0	N/A	1.1	N/A	N/A	257	287	73	7	(45)
(46)	Regional Trend (6 neighbors)		+0.71	+1.49	N/S	N/S	+0.51	+0.58	-272	-331	+94	N/S	(46)

Nomenclature: See separate page

Nomenclature — Tables of Climate Design Conditions

CDD*n*	Cooling degree-days base *n*°C, °C-day
DB	Dry bulb temperature, °C
DBAvg	Average daily dry bulb temperature, °C
DBStd	Standard deviation of daily average dry bulb temperature, °C
DP	Dew point temperature, °C
Ebn at Noon	Clear sky beam normal irradiance at solar noon, W/m²
Edh at Noon	Clear sky diffuse horizontal irradiance at solar noon, W/m²
Elev	Elevation, m
Enth	Enthalpy, kJ/kg, base 0°C and 101.325kPa
Grade	Quality of stations, from A (best measured) to E (uncalibrated modelled)
HDD*n*	Heating degree-days base *n*°C, °C-day
HR	Humidity ratio, g of moisture per kg of dry air
Lat	Latitude, °
Long	Longitude, °
MCDB	Mean coincident dry bulb temperature, °C
MCDBR	Mean coincident dry bulb temperature range, °C
MCWB	Mean coincident wet bulb temperature, °C
MCWBR	Mean coincident wet bulb temperature range, °C
MCWS	Mean coincident wind speed, m/s
MDBR	Mean dry bulb temperature range, °C
N/A	Not available/applicable
N/S	Not statistically significant
PCWD	Prevailing coincident wind direction, °, 0 = North, 90 = East
Period	Range of years used to calculate design conditions
PrecAvg	Average precipitation, mm
PrecMax	Maximum precipitation, mm
PrecMin	Minimum precipitation, mm
PrecStd	Standard deviation of precipitation, mm
RadAvg	Monthly-average daily all sky solar radiation, kWh/m²
RadStd	Standard deviation of monthly-average daily all sky solar radiation, kWh/m²
StdP	Standard pressure at station elevation, kPa
taub	Clear sky optical depth for beam irradiance
taud	Clear sky optical depth for diffuse irradiance
Time Zone	Hours ahead or behind UTC, and time zone code
Trend	Slope of linear fit through yearly temperature or degree-day values, °C/decade or °C-day/decade
Variability	Standard deviation of yearly temperature or degree-day values, °C or °C-day
WB	Wet bulb temperature, °C
WBAN	Weather Bureau Army Navy number
WMO	Station identifier derived from the World Meteorological Organziation
WS	Wind speed, m/s
WSAvg	Average wind speed, m/s
WSF	Weather and shielding factor

Numbers (1) to (46) and letters (a) to (p) are row and column references to quickly point to an element in the table. For example, the 5% design wet bulb temperature for July can be found in row (29), column (k).