

2009 ASHRAE Design Conditions

Station	Heating DB		Cooling DB/MCWB						Evaporation WB/MCDB				Dehumidification DP/HR/MCDB					
			0.4%		1%		2%		0.4%		1%		0.4%			1%		
	99.6%	99%	DB	MCWB	DB	MCWB	DB	MCWB	WB	MCDB	WB	MCDB	DP	HR	MCDB	DP	HR	MCDB
HOUSTON BUSH INTERCONTINENTAL	29.1	32.9	96.8	76.6	95.0	76.6	93.3	76.6	80.1	89.0	79.3	88.2	77.9	145.7	82.9	77.2	142.2	82.5
HOUSTON WILLIAM P HOBBY AP	31.3	35.7	95.1	77.6	93.3	77.5	91.9	77.2	80.5	89.0	80.0	88.3	78.7	149.4	83.5	77.8	144.9	83.0
HOUSTON/D.W. HOOKS	30.2	34.0	98.7	76.0	95.3	76.7	93.0	76.6	80.3	88.2	79.5	87.7	79.1	151.8	82.6	77.4	143.5	82.4
HOUSTON/ELLINGTON	32.0	36.1	96.1	78.3	94.4	78.4	92.8	78.3	82.0	88.6	81.2	88.0	81.0	161.1	84.1	79.4	152.5	83.5

Notes:

1. Percentiles are the percent of time conditions are met or exceeded per year.
2. Tables are also available with much of the same data per month.
3. ASHRAE Design Conditions are updated every four years.

Acronyms:

DB	Dry Bulb Temperature (°F)
MCWB	Mean Coincident Wet Bulb Temperature (°F)
WB	Wet Bulb (°F)
DP	Dew Point (°F)
HR	Humidity Ratio (grains of moisture per lb of dry air)
WS	Wind Speed (mph)
HDD	Annual heating degree-days, base 65°F (°F-day)
CDD	Annual cooling degree-days, base 65°F (°F-day)