

Stacked bar chart showing cooling and heating degree-hours by month. The left y-axis represents degree-hours in hundreds (0 to 60), and the right y-axis represents degree-hours in millions (0 to 60). The x-axis shows months from December to November. Cooling degree-hours (blue) are highest in winter months (Dec-Mar), while heating degree-hours (red) are highest in summer months (Jun-Sep). The chart shows a seasonal shift in energy demand.

Month	Cooling degree-hours (hundreds)	Heating degree-hours (hundreds)
Dec	10	50
Jan	13	47
Feb	10	50
Mar	10	50
Apr	10	50
May	10	50
Jun	10	50
Jul	10	50
Aug	10	50
Sep	10	50
Oct	10	50
Nov	10	50

Month	Mean clear days (Days)	Mean cloudy days (Days)	Solar irradiation (MJ/m²)
Dec	11.5	6.5	10.5
Jan	12.0	6.0	10.0
Feb	12.0	5.5	9.5
Mar	12.0	6.5	8.5
Apr	10.5	7.5	7.5
May	10.5	7.5	6.5
Jun	9.5	8.5	6.0
Jul	9.5	11.5	6.5
Aug	7.5	12.0	7.5
Sep	8.5	10.5	8.5
Oct	11.5	7.0	10.0
Nov	11.5	6.5	10.5

Month	Mean rainy days	Mean monthly rainfall (mm)
Dec	6.5	45
Jan	7.2	85
Feb	7.5	95
Mar	7.2	65
Apr	4.5	40
May	5.5	45
Jun	4.8	40
Jul	4.5	45
Aug	4.2	35
Sep	5.5	45
Oct	5.8	55
Nov	8.5	65

Figure 1 is a line graph showing the mean daily maximum and minimum temperatures at the Confort zone from December to November. The y-axis represents temperature in degrees Celsius (°C), ranging from -5 to 45. The x-axis shows the months from Dec to Nov. The mean daily maximum temperature (pink line) starts at 35.0 in Dec, peaks at 48.0 in Jan, and ends at 43.0 in Nov. The mean daily minimum temperature (purple line) starts at 9.8 in Dec, dips to -1.6 in Aug, and ends at 15.0 in Nov. A shaded gray area represents the Confort zone, bounded by approximately 10°C and 25°C. Extreme maximum and minimum values are marked with red and blue dots respectively.

Month	Mean daily maximum (°C)	Extreme maximum (°C)	Mean daily minimum (°C)	Extreme minimum (°C)
Dec	35.0	-	9.8	9.8
Jan	48.0	48.0	-	-
Mar	40.5	40.5	-	-
May	-	-	2.1	2.1
Aug	26.7	26.7	-1.6	-1.6
Sep	-	-	2.5	2.5
Nov	43.0	43.0	15.0	-

Figure 1 displays wind rose plots for the four seasons (Summer, Autumn, Winter, Spring) at four different times of day (0900 Hrs., 1500 Hrs., 2100 Hrs., 0300 Hrs.). The plots show wind frequency by direction and speed. A color scale on the right indicates wind speed in km/h (0-10, 10-20, 20-30, 30-40). A compass rose indicates cardinal and ordinal directions.

**DEVELOPMENT
APPLICATION**

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Drawing Reference	Revision
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