Altitude Unit Performance Adjustment

Altitude
The altitude given in the chart below is the distance above sea level of the unit installation. All performance data given in the specification sheet is at sea level. Correction factors must be used at higher altitudes to correctly size and specify unit equipment.

Barometer
This measurement is of the atmospheric pressure at the corresponding altitude. This may be found using a Barometer. Barometric pressure measurements are given in inches of mercury.

Total Capacity Correction Factor
This factor is used to adjust the Total unit capacity (Sensible + Latent) at a given altitude. Once a rating point is selected from the cooling capacity chart based on indoor and outdoor conditions, multiply the correction factor and total capacity for the installed unit altitude.

Sensible Capacity Correction Factor
This factor is used to adjust the Sensible unit capacity at a given altitude. Once a rating point is selected from the cooling capacity chart based on indoor and outdoor conditions, multiply the correction factor and sensible capacity for the installed unit altitude.

Condenser Intake Temperature Correction Factor
This factor is used to adjust the highest allowable condenser intake air temperature recommended for the unit. Select the highest outdoor temperature given in the cooling capacity chart and multiply by the condenser intake temperature correction factor for the installed unit altitude. This will indicate the highest allowable condenser intake temperature measured at the condenser intake grille(s).

Altitude Feet	Altitude Meters	Barometer Inches Mercury	Total Capacity Correction Factor	Sensible Capacity Correction Factor	Condenser Intake Temperature Correction Factor
0 (sea level)	0	29.92	1	1	1
1000	305	29.85	.99	.98	.99
2000	610	27.82	.98	.95	.99
3000	914	26.81	.98	.93	.98
4000	1219	25.84	.97	.91	.98
5000	1524	24.89	.96	.89	.97
6000	1829	23.98	.95	.87	.96
7000	2134	23.09	.94	.85	.95
8000	2438	22.12	.93	.83	.94

Note: Correction factors are meant to be used as a guide to help select equipment based on performance requirements. Actual performance may vary based on unit model and installation.