

Fujitsu Halcyon Equipment used at High Altitudes

When air conditioners and heat pumps are installed in areas above sea level, capacity is reduced due to decreased air density. Equipment size must be increased to meet the load requirements. The following correction factors apply to Fujitsu Halcyon air conditioners and heat pumps for both heating and cooling operation. The indoor and outdoor units need to be sized based on the capacity reduction due to decreased air density.

Examples:

An air source system installed at 5,000 feet above sea level would operate at 83% its normal capacity when compared to its performance at sea level. Therefore, the indoor unit(s) and outdoor unit(s) need to have at least 17% higher capacity to provide the same cooling and heating performance as the units would at sea level conditions.

Altitude in Feet Above Sea Level	Correction Factor
0	1
1,000	0.96
2,000	0.93
3,000	0.9
4,000	0.86
5,000	0.83
6000	0.8
7,000	0.77
8,000	0.74
9,000	0.71
10,000	0.69