ICEqube™

Ice Qube Cooling System Estimated Life Expectancy
Mean Time To Failure **(MTTF)**

The life expectancy of a system, which utilizes many different components, is difficult to determine without actual field or 'simulated' controlled laboratory conditions. Following is a list of the major components used in the manufacture of Ice Qube air conditioning systems and the life expectancy under 'normal' operating conditions, and are given only as an estimation and not as any warranty or guaranty:

Controllers	410 years
Transformers	30 years
Control relay contacts	100K cycles
Refrigeration system	10 years
Blowers	10 years

Based on the most recent data of cooling system shipments, reported field failures, assuming 70 percent commissioned and 12 hours per day of operations, the 4-year average MTTF calculates to 98,310 hours (22.4 years).

Naturally, the operating environment will affect the life expectancy of an Ice Qube cooling system, or any of its components. Operation in corrosive environments or extreme conditions of moisture, heat, dust or other contaminants will accelerate the deterioration of components and reduce the life expectancy.

An estimated 25+ year life is possible with proper maintenance, dependent on environment and use.

Scott Palmer- General Manager

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