



ASHRAE Equipment Life Expectancy in Years

Air Distribution

Ductwork	30
Window unit	10
Residential single or split package	15
Commercial through-the-wall	15
Water-cooled package	15
Single-zone roof-top	15
Multi-zone roof-top	15

Centrifugal fans	25
Axial fans	20
Propeller fans	15
Ventilating roof-mounted fans	20
Dampers	20
Heat pump (residential air-to-air)	15
Heat pump (commercial air-to-air)	15
Heat pump (commercial water-to-air)	19



Heating

Boiler (steel water-tube, hot water)	24
Boiler (steel water-tube, steam)	30
Boiler (steel fire-tube, hot water)	25
Boiler (steel fire-tube, steam)	25
Boiler (cast iron, hot water)	35
Boiler (cast iron, steam)	30

Furnaces (gas- or oil-fired)	18
Boiler (electric)	15
Burners	21
Unit heaters (gas or electric)	13
Unit heaters (hot water or steam)	20
Radiant heaters (electric)	10
Radiant heaters (hot water or steam)	25

Heat Rejection

Heat exchangers, shell-and-tube	24
Cooling towers, galvanized metal	20
Cooling towers, wood	20
Cooling towers, ceramic	34
Air-cooled condensers	20
Evaporative condensers	20



Cooling/Heating Pumps

Base-mounted pumps	20
Pipe-mounted pumps	10
Sump and well pumps	10
Condensate pumps	15

Cooling

Reciprocating chillers	20
Centrifugal chillers	20
Absorption chillers	34



Controls

Pneumatic	20
Electric	16
Electronic	15

Miscellaneous

Diffusers, grilles, and registers	27	Blanket insulation	24
Induction and fan coil units	20	Electric transformers	30
VAV and double-duct boxes	20	Reciprocating engines	20
Air washers	17	Steam turbines	30
DX, water, or steam coils	20	Electric motors	18
Electric coils	15	Motor starters	17
Reciprocating compressors	20	Self-contained valve actuators	10
Molded insulation	20	Hydraulic valve actuators	15
		Pneumatic valve actuators	20



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ASHRAE is the industry organization that sets the standards and guidelines for most all HVAC-R equipment. For additional info about ASHRAE visit their website at www.ashrae.org.