## ASHRAE Equipment Life Expectancy chart

ASHRAE is the industry organization that sets the standards and guidelines for most all HVAC-R equipment. For additional info about ASHRAE the website is <u>www.ashrae.org</u>.

Equipment Item	Median Years	Equipment Item	Median Years	
Air conditioners		Air terminals		1
Window unit Residential single or Split Package	10 15	Diffusers, grilles, and register Induction and fan coil units VAV and double-duct boxes	rs 27 20 20	E
Commercial through-the wall Water-cooled package	15 15	Air washers	17	
Heat Pumps		Ductwork	30	
Residential air-to-air Commercial air-to-air Commercial water-to-air	15 15 19	Dampers	20	ł
Roof-top air conditioners Single-zone Multi-zone	15 15	Fans Centrifugal Axial Propeller Ventilating roof-mounted	25 20 15 20	ſ
Boilers, hot water (steam) Steel water-tube Steel fire-tube Cast iron Electric	24 (30) 25 (25) 35 (30) 15	Coils DX, water, or steam Electric	20 15	S E I
Burners	21	Heat Exchangers Shell-and-tube	24	E
Furnaces Gas- or oil-fired	18	Reciprocating compressors	20	(
Unit heaters Gas or electric Hot water or steam	13 20	Packaged chillers Reciprocating Centrifugal Absorption	20 23 23	`
Radiant Heaters Electric Hot water or steam	10 25	Cooling towers Galvanized metal Wood Ceramic	20 20 34	

Equipment Item	Median Years
Air-cooled condensers	20
Evaporative condensers	20
Insulation Molded Blanket	20 24
Pumps	
Base-mounted Pipe-mounted Sump and well Condensate 15	20 10 10
Reciprocating engines	20
Steam turbines	30
Electric motors	18
Motor starters	17
Electric transformers	30
Controls Pneumatic Electric Electronic	20 16 15
Valve actuators	
Hydraulic Pneumatic Self-contained	15 20 10