

## Heating Systems

Heating systems are what homes and businesses use to generate and distribute heat throughout their buildings. There are various ways to do this. Some require the burning of a fuel within the building itself where it is then distributed. Others have a fuel burned at an electric generating plant where the heat is used to make electricity. The homes and businesses then use this electricity to create the heat they need.

Some newer types of heating systems use heat from their surrounding environment. These types typically are more expensive than more traditional types of heating systems.

Types of heating systems	Specific Name	Heating Method
<b>Conventional</b>	<b><u>Radiator</u></b>	1-Conduction to surrounding air 2-Convection currents distribute heat through air in room 3-Conducted to people and objects in room by contact with heated air
	<b><u>Forced-Air</u></b>	1-Convection currents distribute heat through air in room 2-Conducted to people and objects in room by contact with heated air
	<b><u>Radiant Electric</u></b>	1-Without Fan:Infrared radiation directly heats whatever absorbs it 2-With Fan:Convection currents distribute heat through air in room
<b>Solar</b>	<b><u>Passive</u></b>	1-Thermal energy absorbed by objects and materials while in sunlight. 2-Heat given off as infrared radiation when not in sunlight
	<b><u>Active</u></b>	1-Thermal energy absorbed by objects and materials while in sunlight. 2-Fans/pumps used to circulate heat to where it is needed
<b>Geothermal</b>	<b><u>Geothermal</u></b>	1-Heat below ground conducted to liquids in pipes. 2-Pumps used to circulate heat to where it is needed.