

DESCRIPTION 1.1.5 Indoor and Outdoor Fans: The fans move air across the coils, picking up or giving off heat. The cooled air is distributed throughout the house by the indoor fan. The indoor fan is often also the furnace fan (usually modified for increased airflow). On independent systems, a separate fan is provided.

The outdoor fan moves air over the outdoor coil. This cools and condenses the refrigerant, which has been heated to above the outdoor air temperature by the compressor. The outdoor fan is in the condenser cabinet.

INDOOR FAN PROBLEMS Fan bearings and motors can wear out. On belt driven fans, the belt tension can be incorrect or the pulleys may be improperly set up. Missing air filters allow the blower (fan) to get dirty. Fans that are unbalanced can be noisy, especially attic fans as the noise is transmitted through the rafters and ceilings. Bad bearings can also make the fan noisy. Fans may be inoperative due to belt or pulley problems, a failed electric motor, or interrupted electrical supply.

