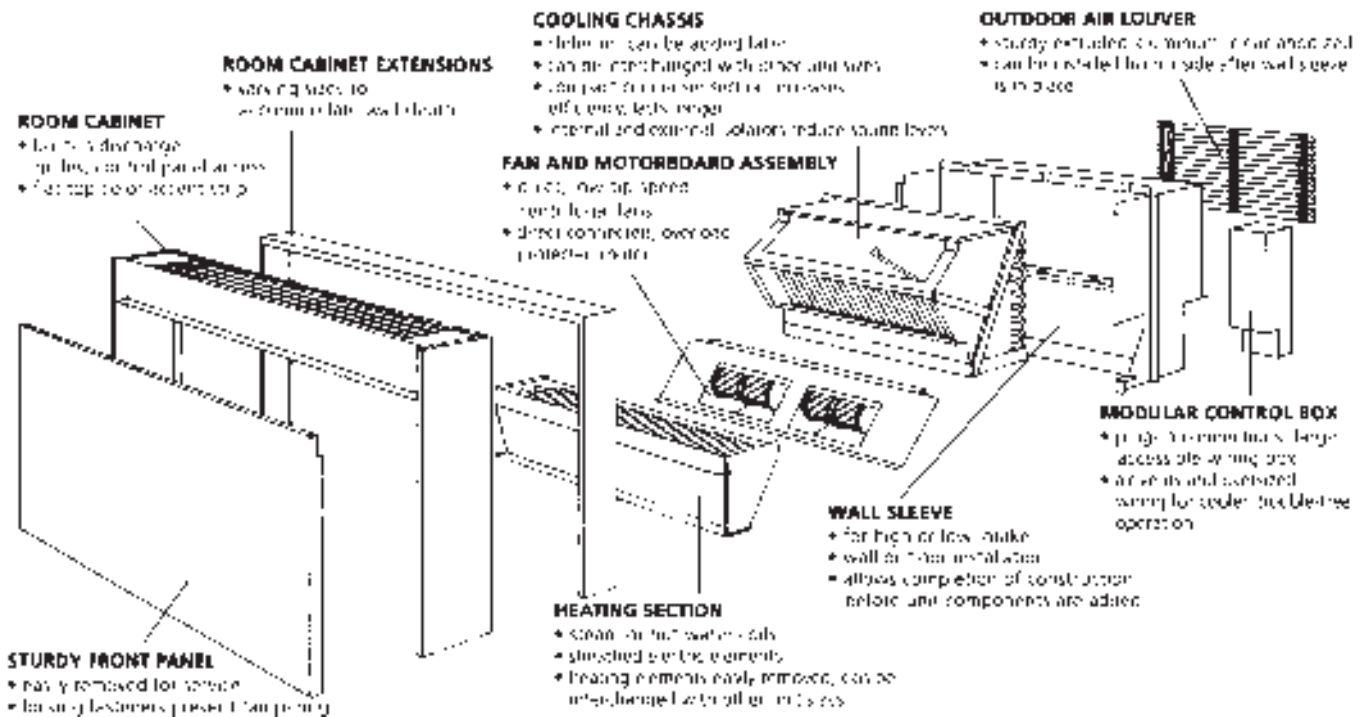


The CNI Modular ULTRAMATE™ air conditioning unit consists of four major functional components-cooling chassis, fan and motorboard assembly, heating section and control system. The cooling chassis is a completely self-contained refrigeration circuit within the compact chassis. The fan and motorboard assembly is removable independent of the heating section. Either an electric heating section or hot water or steam heating coils can be selected. The modular control box features plug-in connections.



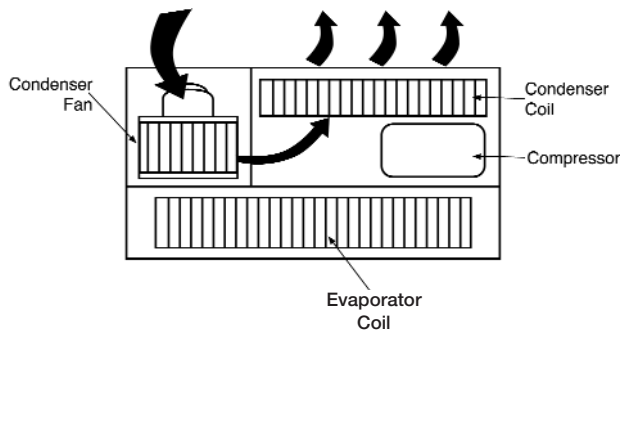
A Compact Efficient Refrigeration Section

Components of the refrigeration section are arranged compactly but easily accessible. The coil is produced from copper tubes and aluminum fins. The Condenser fan is a single inlet, centrifugal type for quiet operation and low power consumption. The solenoid operated damper automatically closes when the control switch is turned to "Vent Off" or the unit is off completely. The condenser fan and motor are easily removed for cleaning or replacement.

Lower Power Consumption

The compact arrangement of condenser section components has resulted in more efficient operation and lower operating pressures. This also is reflected in longer equipment life. The condenser fan is turned 90° from the usual position. Outdoor air enters the fan and is blown past the compressor and discharges through the condenser coil. The air flow pattern, illustrated in the drawing, minimizes the recirculation of hot condenser discharge air back into the fan intake. Recirculation in the CNI Modular ULTRAMATE™ is practically eliminated to 1% as compared with up to 12% recirculation of alternate arrangements. This results in lower system operating pressures and more capacity from the same compressor size.

MODULAR ULTRAMATE™



COMPETITOR'S ARRANGEMENT

