Low operating cost

ERAD~E- is the result of careful design, aimed to optimize the energy efficiency of the condensing units, with the objective of bringing down operating costs and improving installation profitability, effectiveness and economical management.
The ERAD~E- condensing units use the new very high efficiency single rotor screw compressor design, large condenser coil surface area for maximum heat transfer and low discharge pressure, and advanced technology condenser fans.

Low operating sound levels

Very low sound levels both at full load and part load conditions are achieved by the latest compressor design and by a unique new fan that moves large volume of air at exceptionally low sound levels and by the virtually vibration-free operation.

Excellent serviceability

Field serviceability has not been sacrificed to meet design performance objectives. The compressor is equipped with discharge, liquid and suction shut off valves. The compressor and serviceable components such as filter driers are located on the outside edges of the base allowing easy access. The shaped of the coil allows easy access for inspection and service. The MicroTech III controller gives detailed information on the causes of an alarm or fault.

Proven reliability

Extensive quality control checks during testing and prior shipment guarantee the delivery of a state of the art product.

Infinite capacity control

Cooling capacity control is infinitely variable by means of a single screw compressor controlled by microprocessor system. Each unit has infinitely variable capacity control from 100% down to 25%. This modulation allows the compressor capacity to exactly match the required cooling load.

In case a compressor with load step control is used, the compressor capacity, at partial loads, will be too high or too low compared to the building cooling load. The result is an increase in unit energy costs, particularly at the part load conditions at which the unit operates most of the time.

The ERAD~E- condensing units with stepless regulation offer benefits that the units with step regulation are unable to match. Only a condensing unit with stepless regulation is able to follow the system’s cooling demand at any time and to deliver chilled liquid or air at setpoint.