Superior control logic

The new MicroTech III controller provides an easy to use control. The control logic is designed to guarantee a stable operation, to provide maximum efficiency, to continue operation in unusual operating conditions and to provide a history of unit operation. One of the greatest benefits is the easy interface with LonWorks, Bacnet, Ethernet TCP/IP or Modbus communications.

Code requirements – Safety and observant of laws/directives

All ERAD~E- units are designed and manufactured in accordance with applicable selections of the following:

Construction of pressure vessel	97/23/EC (PED)
Machinery Directive	2006/42/EC
Low Voltage	2006/95/EC
Electromagnetic Compatibility	2004/108/EC
Electrical & Safety codes	EN 60204–1 / EN 60335-2-40
Manufacturing Quality Stds	UNI – EN ISO 9001:2004

Certifications

All units manufactured by Daikin are CE marked, complying with European directives in force, concerning manufacturing and safety. On request units can be produced complying with laws in force in non-European countries (ASME, GOST, etc.), and with other applications, such as naval (RINA, etc.).

Versions

ERAD~E- is available in a Standard Efficiency version:

S: Standard Efficiency
10 sizes to cover a range from 116 up to 488 kW with an EER up to 3.30 (data referred to Standard Sound configuration)

The EER (Energy Efficiency Ratio) is the ratio of the Cooling Capacity to the Power Input of the unit. The Power Input includes: the power input for operation of the compressor and fans, the power input of all control and safety devices.

Sound configurations

ERAD~E- is available in two different sound level configurations:

S: Standard Sound
Condenser fan rotating at 920 rpm, rubber antivibration under compressor

L: Low Sound
Condenser fan rotating at 715 rpm, rubber antivibration under compressor, compressor sound enclosure