Options (on request)

Total heat recovery – Provided with plate to plate heat exchangers to produce hot water.

Partial heat recovery – Plate to plate heat exchangers installed between the compressor discharge and the condenser coil, allowing to produce hot water.

Soft starter – Electronic starting device to reduce the mechanical stress during compressor start-up.

Compressor thermal overload relays – Safety devices against compressor motor overloading. This device together with internal motor protection (standard) guarantee the best safety system for compressor motor.

Under/Over Voltage – This device control the voltage value of power supply and stop the chiller if the value exceeds the allowed operating limits.

Energy Meter – This device allows to measure the energy absorbed by the condensing unit during its life. It is installed inside the control box mounted on a DIN rail and show on a digital display: Line-to-Line Voltage, Phase and Average Current, Active and Reactive Power, Active Energy, Frequency.

Capacitors for power factor correction – To increase the operating power factor of the unit at nominal operating conditions. The capacitors are “dry” self-regenerating type with over pressure disconnectiong safety device insulated with a no toxic dielectric mix with no PCB or PCT.

Current limit – To limit maximum absorbed current of the unit whenever is required

Fan speed regulation – To control the fan speed revolution for smooth operating control of the unit during low ambient temperature operation. This option improves also the sound level of the unit.

With “Fan speed regulation” option, by different microprocessor setting, it is also possible to set the “Fan Silent Mode” configuration. It means that the microprocessor clock switches the fan at low speed according to the client setting (i.e. Night & Day), providing that the ambient temperature/condensing pressure is allowing the speed change.
It allows a perfect condensing control down to –10°C.

Speedtrol – Continuous fan speed modulation on the first fan of the circuit. It allows the unit working with air temperature down to –18°C.

Condenser coil guards

Cu-Cu condensing coils – To give better protection against corrosion in aggressive environments.

Cu-Cu-Sn condensing coils – To give better protection against corrosion in aggressive and in salty air environments.

Alucoat condensing coils – Fins are protected by a special acrylic paint with a high resistance to corrosion.

High pressure side manameter

Kit container

Rubber type anti vibration mounts – Supplied separately, these are positioned under the base of the unit during installation to reduce vibrations.

Spring type anti vibration mounts – Supplied separately, these are positioned under the base of the unit during installation. Ideal for dampening vibrations for installation on roofs and metallic structures.

Double pressure relief valve with diverter

Compressors circuit breakers