



Water Chiller with air condensation and semi-hermetic compressors

TECNO-RAM



SUITABLE FOR EVERY CLIMATE

You can choose up to 6 versions for every model, on the basis of the maximum room temperature in which it will be installed. This temperature can vary from about 38° C to 50° C, while the minimum temperature is 5° C. Versions can be requested for environments of -10° C or -20° C.

SUITABLE FOR OUTDOOR INSTALLATION

The protection degree is IP54. The base, the uprights and all the casings are in galvanized carbon steel plate painted with polyester powders.

SEMI-HERMETIC COMPRESSORS

The use of top brand semi-hermetic compressors provides a guarantee of reliability and permits maintenance of the compressor heads and cylinders. The use of these compressors with gene-

rously dimensioned evaporators and condensers permits to obtain optimum energy efficiency.

SILENT

The use of special fans permits a considerable reduction in the level of acoustic pressure. For applications in which the noise generated by the chiller must be particularly contained, a silenced "S" version has been designed.

DOUBLE COOLING CIRCUIT

All models whose codes end with the number 2 have two independent cooling circuits which always guarantee 50% of the machines cooling capacity when maintenance is being carried out on one of the two. Only the models TECNO-RAM 351, 401, 501, and 601 have a single cooling circuit.



CONTROL AND MANAGEMENT

It is possible to choose between two micro-processor control units: "STAGE 3" and pCO. "STAGE 3", with a 3-digit segment display, measures and controls the water inlet and outlet temperatures, manages 16 different alarm conditions and manages two steps (50-100%). A kit is available for the computer control of up to 16 units via a serial line. The pCO, with a liquid crystal display, has all the functions of "STAGE 3" but allows a greater number of alarms to be managed, up to 4 steps, and compressor stops in pump-down, and uses pressure transducers for controlling the cooling circuits.

The addition of appropriate modules allows weekly operation to be programmed, working hours to be counted and data print-out. Furthermore, a serial connection not only permits monitoring by computer but also control via modem.

DE-SUPERHEATERS AND HEAT RECOVERY

All the chillers can be provided with superheaters for the recovery of 20% of the heat to be eliminated from the condenser, or heat recuperators for the recovery of 50% or 100% of this same heat.

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