

Unit description



Indoor unit for the production of chilled water featuring semihermetic screw compressors optimized to operate with low compression ratio and R513A, shell and tubes evaporator designed by Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A. and shell and tube condenser and electronic expansion valve. Base and supporting structure is made of polyester painted galvanized steel. Eurovent certification. The unit results extremely compact, thanks to the peculiar construction layout, without base frame and panels. The high performance's level is achieved thanks to the accurate sizing of all internal components.

Configurations

- - - Basic function
- **D** - Partial condensing heat recovery function
- **R** - Total condensing heat recovery function

Features

- **LOW GWP REFRIGERANT**
New generation refrigerant R513A, with reduced greenhouse effect in comparison with traditional HFC refrigerants (Global Warming Potential GWP of R513A = 572, GWP of R134a = 1300 as per IPCC rev. 5th) and zero impact on the ozone layer. Not flammable (ASHRAE 34, ISO 817: class A1).
- **ErP READY**
Thanks to the high level of efficiency at part load, the unit can meet and exceed the minimum energy efficiency threshold rated by the Seasonal Energy Performance Ratio SEPR HT, in accordance with the eco-sustainable design requirements for all products using energy. The unit is already compliant with the minimum seasonal efficiency requirements that will start from 2021.

- **MAXIMUM COMPACTNESS**
Maximum compactness to achieve a very high flexibility in the design process and installation operations, offering a premium solution in case of reduced clearances or when retrofitting existing installations.
- **ELECTRONIC EXPANSION VALVE SUPPLIED STANDARD**
The use of the electronic expansion valve generates considerable benefits, especially in cases of variability of the source temperature. The electronic expansion valve guarantees speed in reaching machine stability and an extension of the operating limits.

Accessories

- VPF (Variable Primary Flow) system
- Several devices for condensation's control
- Set-up for remote connectivity with ModBus, Echelon, Bacnet, Bacnet over-IP.
- Touch Screen visual display
- KIPLink user interface
- Kit HWT, High Water Temperature
- Fast restart
- Double power supply with automatic changeover (ATS) or motorized changeover