

System Brochure

FCCP+

Free Cooling
Chiller Plant



Free Cooling Chiller Plant

SYSTEM INFORMATION

FCCP™ is a compact and HIGHLY EFFICIENT industrial cooling system. It substantially reduces cooling energy costs in manufacturing industries and data centers, where cooling is needed throughout the year. Based on the principle of free cooling, the intelligent sys-

tem automatically switches off the consumption of electricity when outdoor temperatures reach a predefined level. For industries in mild and cold climate zones, the system can deliver this free energy for up to 6 months in a year. It is a smart alternative to traditional chillers.

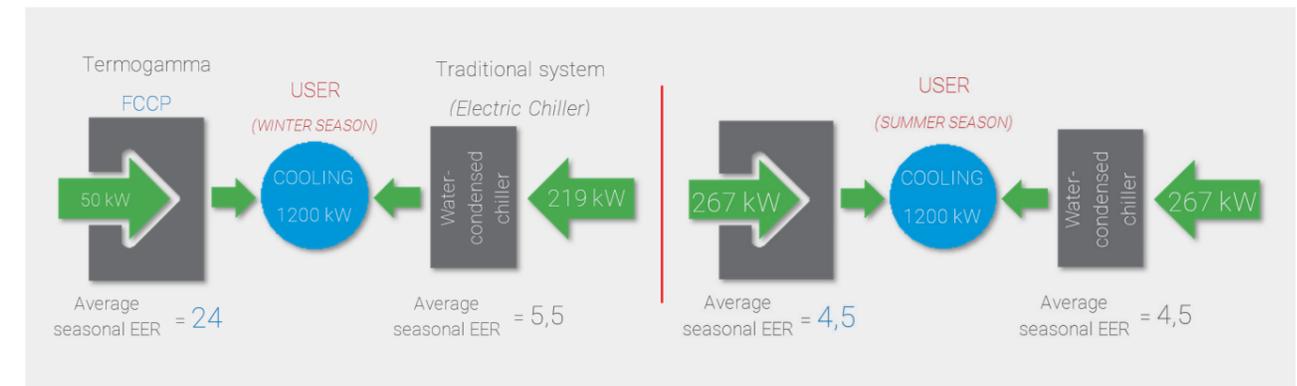


MAIN FIELDS OF APPLICATION ARE

- ✓ FCCP™ is a PLUG&PLAY COOLING ENERGY PRODUCTION (chilled water) system with integrated FREE-COOLING technology;
- ✓ FCCP™ INCREASES ENERGY EFFICIENCY: water-condensed chillers combined with Free-Cooling technology provide very high energy efficiency rates;
- ✓ REDUCES GREENHOUSE GASES EMISSIONS (CO₂);
- ✓ REDUCED FOOTPRINT of the system, concentrating high cooling capacities inside a unique prefabricated outdoor module;
- ✓ PRODUCES FINANCIAL SAVINGS in utility bills;
- ✓ EASY AND FAST INSTALLATION and ready for REMOTE MONITORING and CONTROL: Termogamma takes care of the entire implementation process (as EPC and manufacturer of the system), from the engineering step to the complete system installation;
- ✓ FULL SERVICE MAINTENANCE with an included WARRANTY EXTENSION up to 3 years from start-up date;
- ✓ Two versions available: with COOLING TOWER or with DRY-COOLERS, depending on availability of water.

BENEFITS

- ✓ INDUSTRIAL FACILITIES (food conservation, pharma, plastic, ...) with continuous cooling requirements;
- ✓ AIR-CONDITIONING of buildings (Malls, government buildings);
- ✓ DATA CENTRES;
- ✓ LARGE/MEDIUM COMMERCIAL BUILDINGS;
- ✓ Any applications where cooling requirements are needed throughout the year.



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