



Chillers with R290 refrigerant and integrated free cooling module

Refrigeration units operating on the basis of the environmentally friendly R290 refrigerant, also known as propane, are modern cooling devices designed for process cooling installations. They offer exceptional efficiency, precise multi-stage performance control and very quiet operation. This product line includes versions tailored to a variety of investor needs, along with a wide selection of optional upgrades. The devices use plate exchangers with one or two independent cooling circuits and one water circuit. The evaporators are insulated. For safety, a differential pressure switch is installed that turns off the compressors in the event of lack of water circulation.

OPTIONS:

- Inverter speed control of fans
- Vibration isolators
- Superheat heat recovery
- Side cover panels
- EC fans
- Soft start



TECHNICAL DATA - CHILLERS WITH R290 REFRIGERANT

FEATURES	BENEFITS
High efficiency thanks to inverter-controlled piston compressors	Hydraulic module for heat recovery
Natural propane refrigerant (R290) with low GWP=3	Silent version
High efficiency EC axial fans (standard)	Capacity regulation of all compressors
Compact size	Quality of workmanship - components from leading manufacturers
PLC driver	High efficiency
Propane is not corrosive	Economical refrigerant

OUR DEVICES FALL WITHIN THE SCOPE OF ECO-DESIGN IMPLEMENTED IN ACCORDANCE WITH REGULATION NO. 2015/109

PROPANE NOT SUBJECT TO FLUORINATED GREENHOUSE GAS REGULATIONS. WE WILL BE HAPPY TO ADVISE YOU ON HOW TO APPLY FOR FUNDING FOR REFRIGERATION UNITS POWERED BY NATURAL REFRIGERANTS

Model	Compressor type	Cooling capacity in kW*	Total power consumption	Total current consumption**	EER	SEPR***	Refrigerant
FRIZO-propane-60	semi-hermetic piston type	60,6	18,6	32,8	3,26	6,51	R290
FRIZO-propane-80	semi-hermetic piston type	84,4	27	60,6	3,13	5,43	R290
FRIZO-propane-100	semi-hermetic piston type	103	33,5	64,8	3,07	5,4	R290
FRIZO-propane-130	semi-hermetic piston type	133,3	42	74,6	3,17	5,74	R290
FRIZO-propane-150	semi-hermetic piston type	146,7	46,2	80,7	3,18	5,8	R290
FRIZO-propane-180	semi-hermetic piston type	175,7	57,2	100	3,07	6,12	R290

* ETHYLENE GLYCOL 30% 12/7°C, AMBIENT TEMPERATURE 35°C

** COMPRESSORS + FANS

***SEPR VALUE DETERMINED FOR WATER, 12/7°C