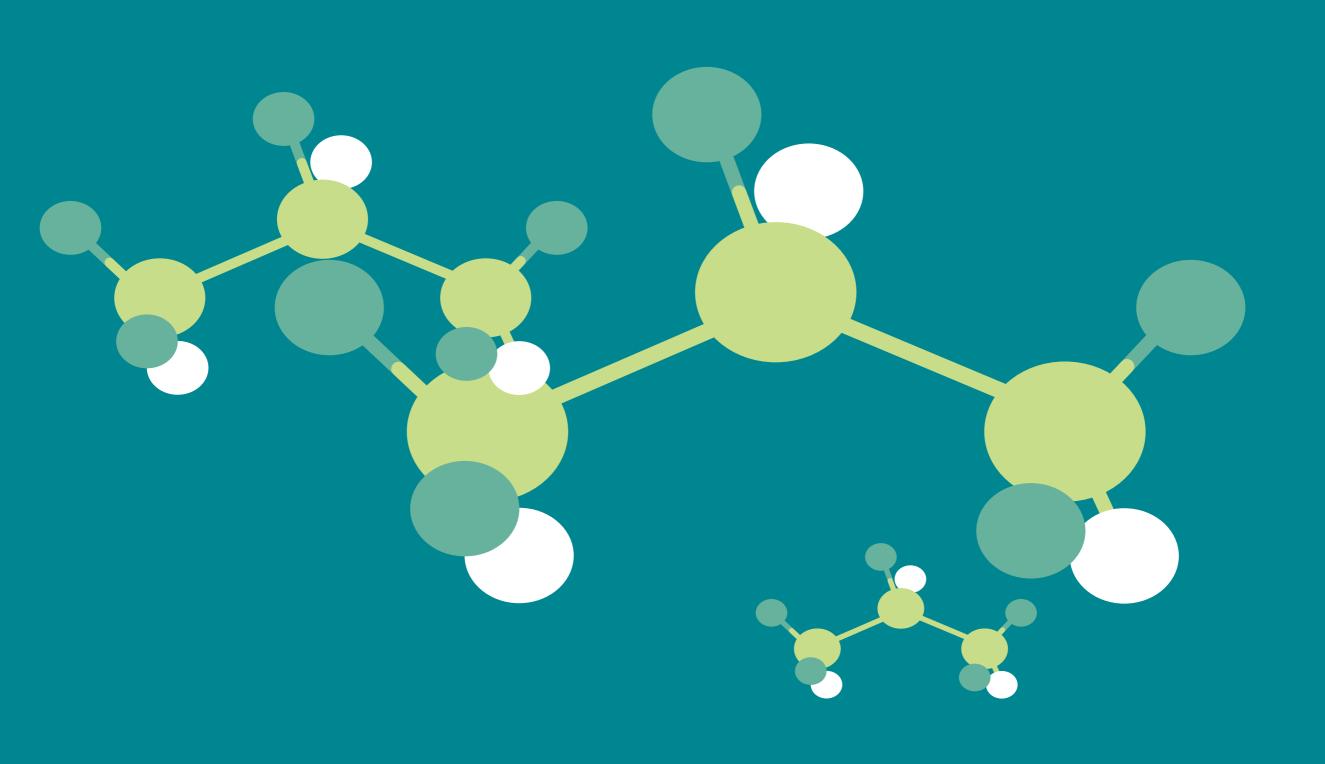


Variable capacity technology applied to light commercial appliances using natural refrigerants: The best option for fast growing economies

Andre Paz Rosa

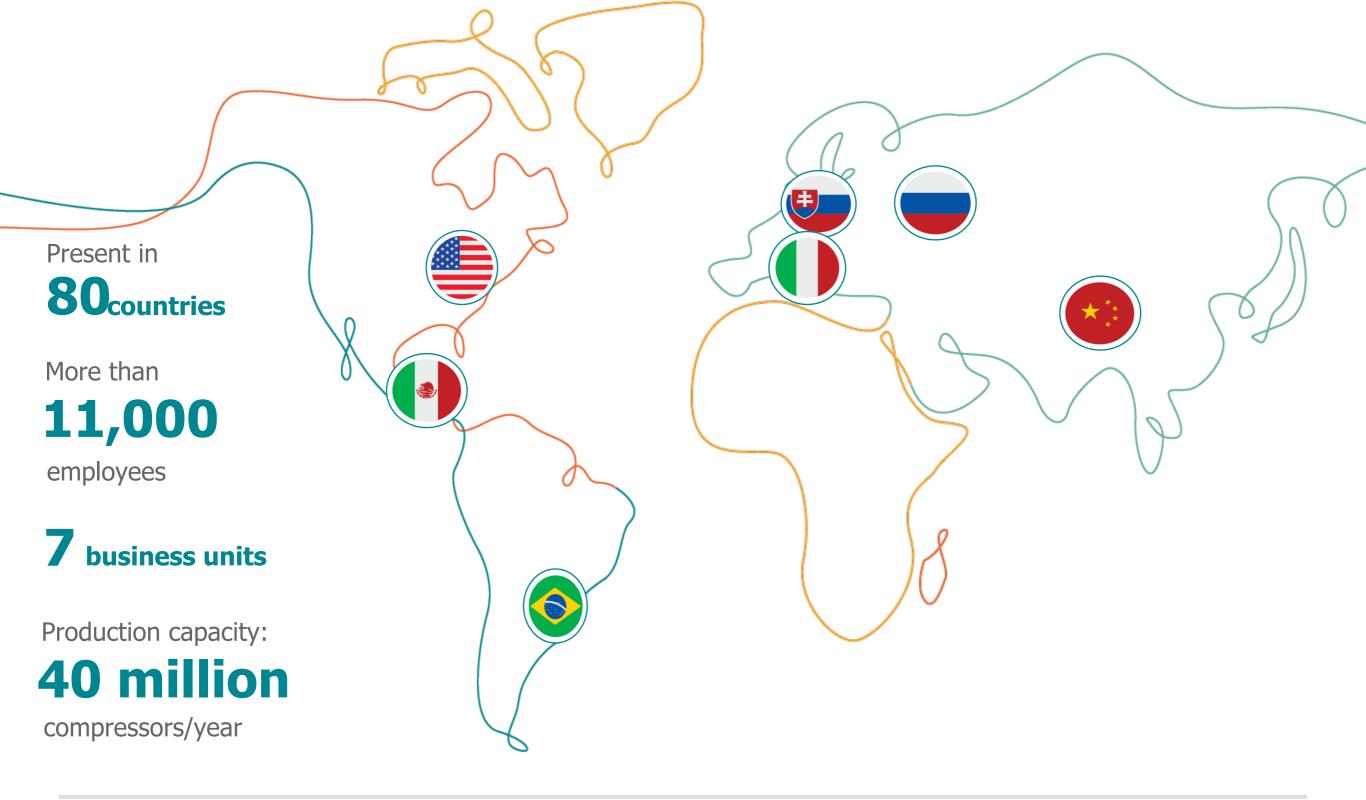


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Embraco

Overview



Energy Regulations For Refrigeration Applications



ALL REGIONS HAVE TO ADOPT ENERGY USAGE REGULATION TO MEET RECENT KIGALI AMENDMENT OBLIGATIONS



What is

the best option for Household and Light Commercial systems in low GWP for the future?





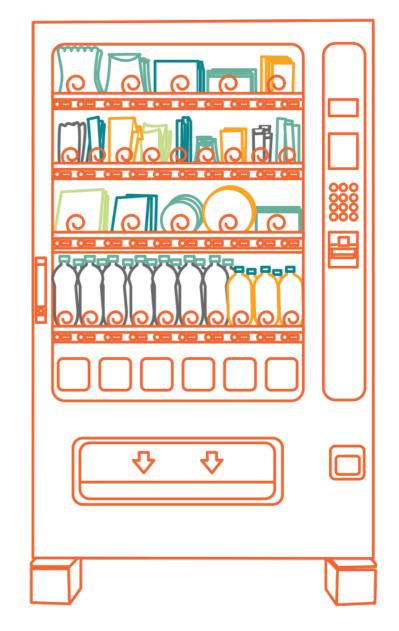
Hydrocarbons are the most sustainable choice.



Why Natural Refrigerants? Light commercial applications

With the 150g limit Natural Refrigerants (R290) already can cover most light commercial applications as well as supermarket merchandizers up to 1500 l freezers.

Multiple circuits can be used for equipment requiring more than 150 g of R-290









They are safe.

Most of the household and light commercial application's refrigerant charge are equivalent to the charge of 2 or 3 cigarette lighters.



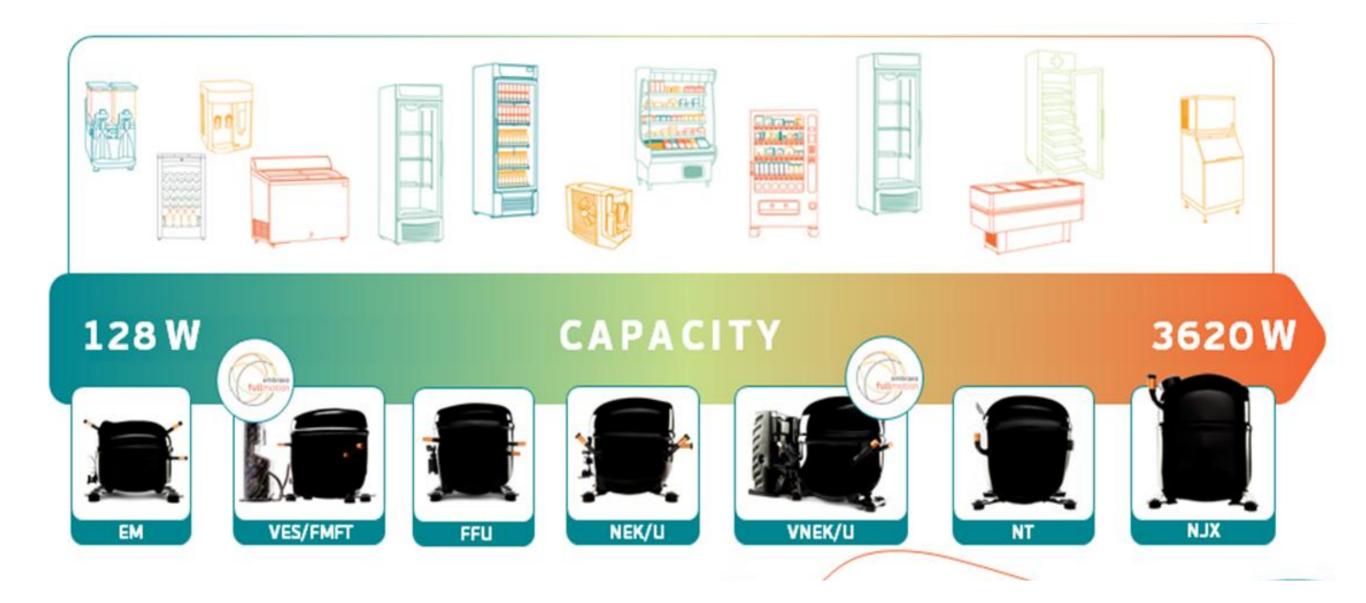
Technology that evolves with consciousness

Ideal combination of new technologies and miniaturization with natural refrigerants.



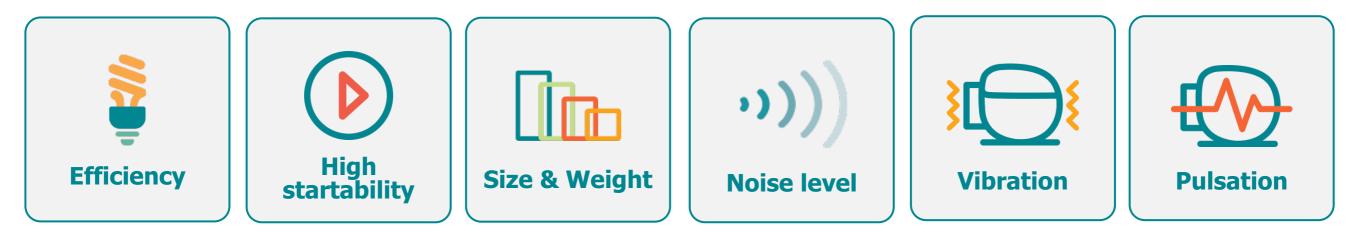


A complete range of products designed for HCs







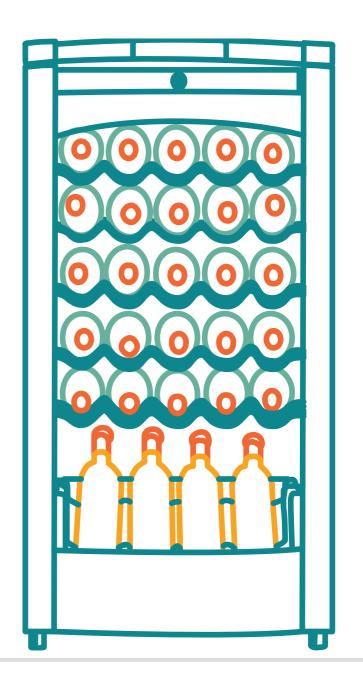




Fullmotion technology & hydrocarbons for wine cooler

On/off vs FMX compressor

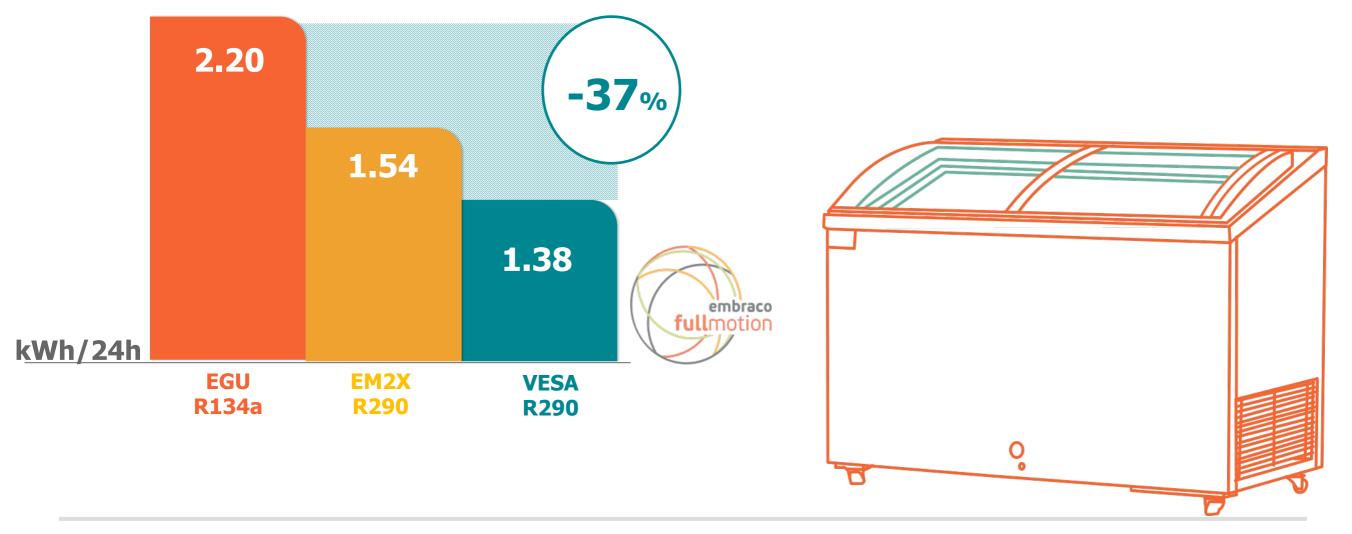






Fullmotion technology & hydrocarbons in an ice cream freezer (325L)

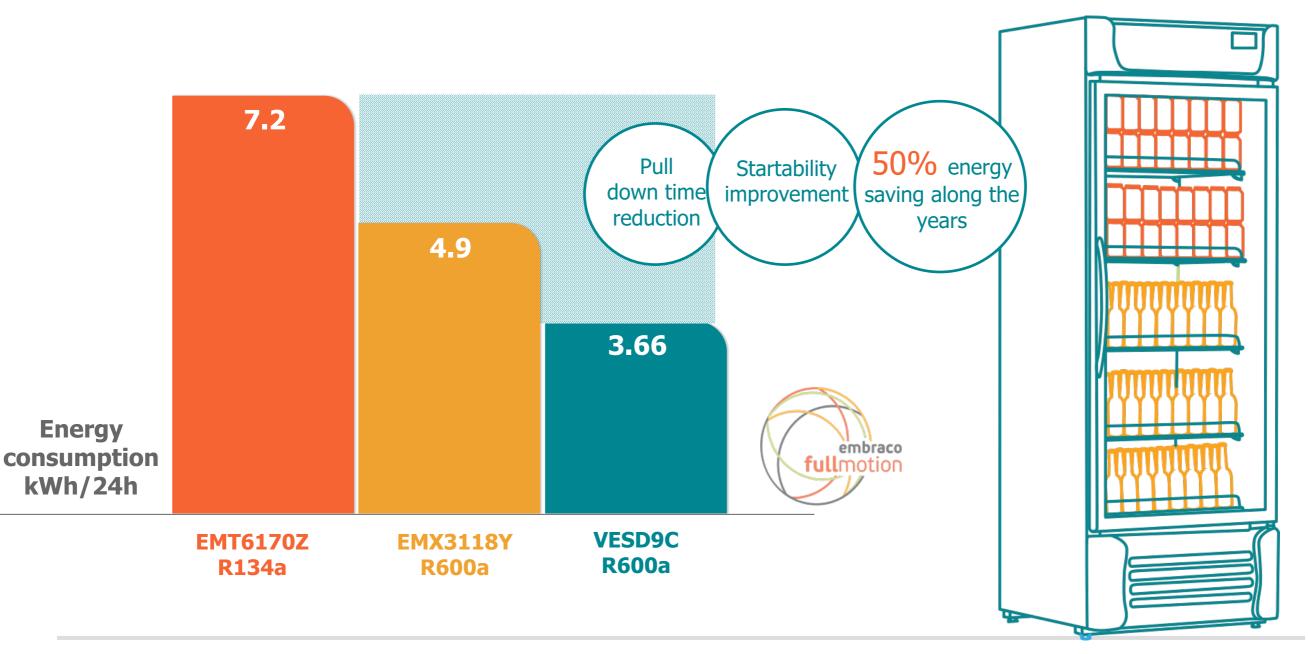
Keeping pace with toughest energy requirements coming from Specifiers every new season





Fullmotion technology & hydrocarbons in a bottle cooler

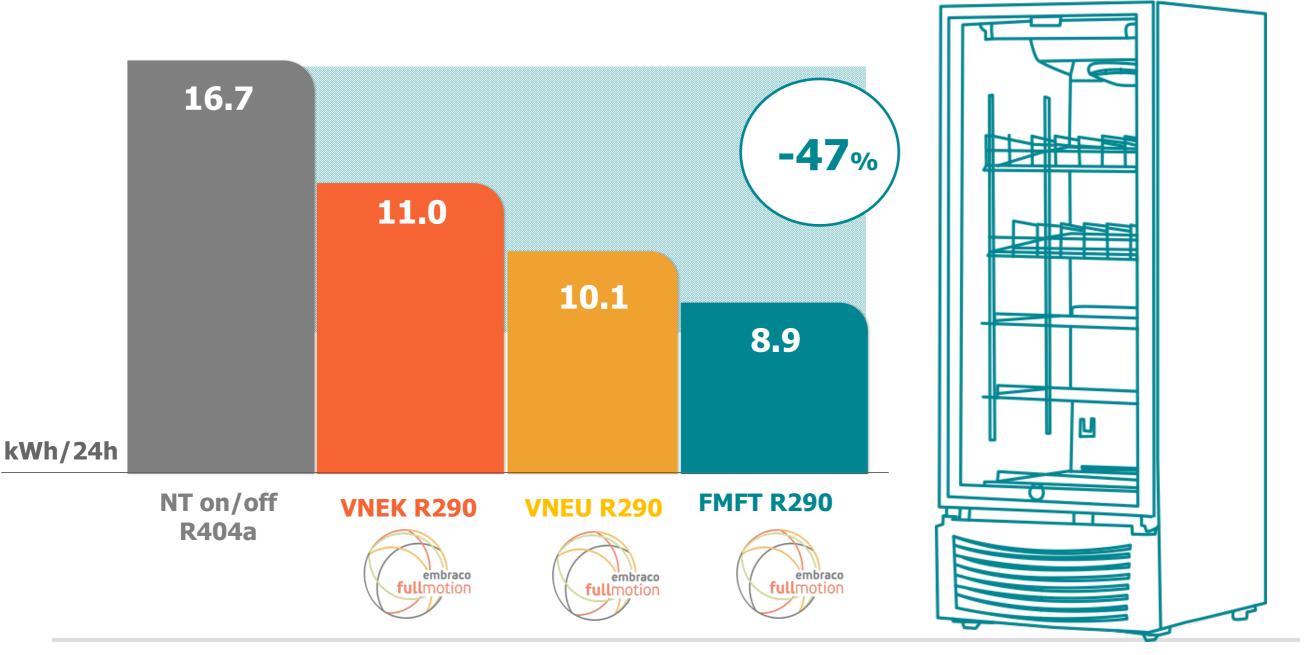
Variable speed coming to Bottle Cooler segment





Fullmotion technology & hydrocarbons on vertical freezer

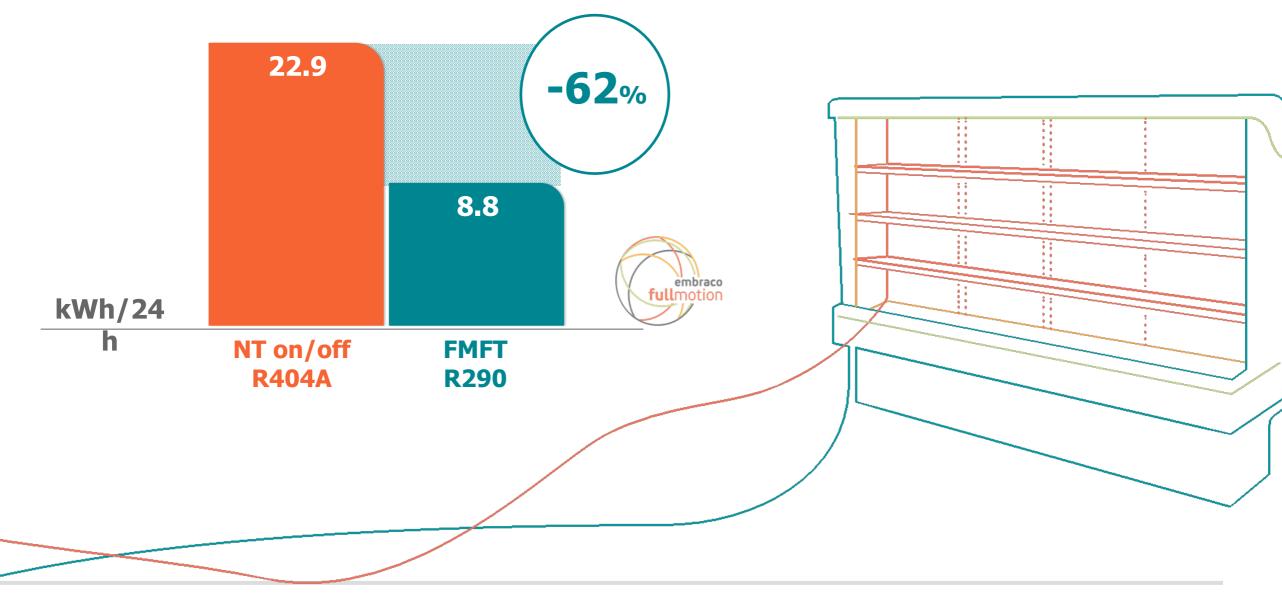
Constant energy improvement



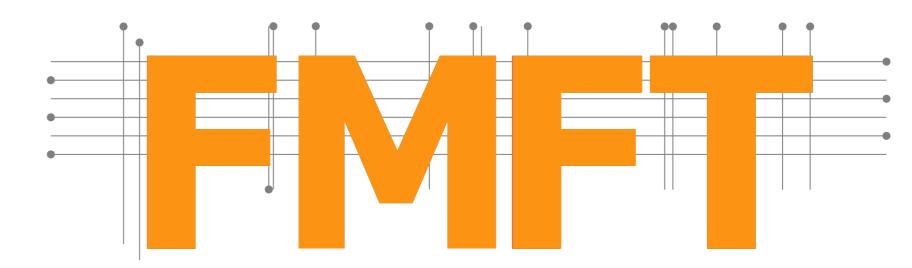


Fullmotion technology & hydrocarbons in a supermarket vertical freezer (2.5m)

Constant energy improvement







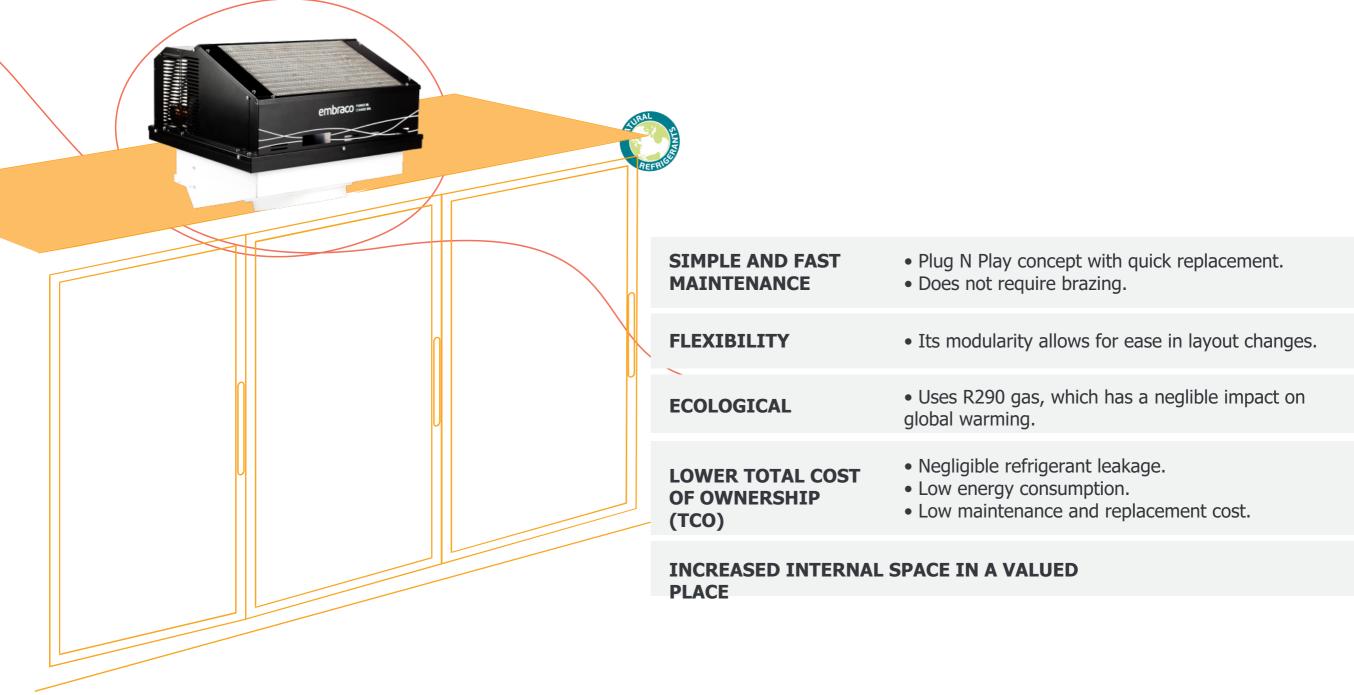


| Model | Aplication | Cooling | СОР | Inverter |
|--------------|------------|-------------------------------------|----------------------|------------------------|
| FMFT313 U | L/MBP | (460 – 860) W 1800 – 4500 rpm | (1,70 – 1,75) W/W | 1000W Bivolt |

Embraco top efficiency R290 Fullmotion for Light Commercial



PLUG N' COOL A NEW AND COMPLETE SOLUTION IN COMMERCIAL REFRIGERATION







The best option

for Household and Light Commercial

is combination of HC refrigerants and Fullmotion technology minimizing direct and indirect impact to global warming and bringing more efficiency to your business.



Thank you very much!