

**Main physical-chemical properties of Performax™ LT**

- Boiling point at 1.013 bar: - 46,06°C
- Temperature glide at 1.013 bar: 6,40°K
- Critical temperature: + 82,66°C
- Flammability in air: non-flammable
- NF-EN 378 classification: L1
- Potential for action on ozone (R-11=1): 0
- GWP (CO<sub>2</sub> = 1): 1824

**The technical tools available to you**

- A technical department that studies and assists with the use of **Performax™ LT**
- Performance curves available for comparison with R-404A
- Thermodynamic modelling: recommended for all installations with evaporating temperatures <-25°C

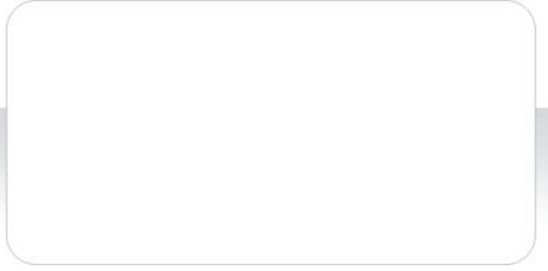
The information contained in this product sheet is the result of our studies and experience. It is provided in good faith, but should not, under any circumstance, be taken to constitute a guarantee on our part or an assumption of our responsibility. This is particularly the case when third party rights are at stake or in situations where a user of one of our products fails to observe applicable regulations.



**Performax™ LT**

For better energy efficiency in your facilities

More details on:  
[www.climalife.dehon.com](http://www.climalife.dehon.com)



Solutions to give you the lead

Climalife UK  
Surety House - Third way  
Avonmouth - BRISTOL BS11 9HL - UK  
Tel.: 00 44 11 79 80 25 20 - Fax: 00 44 11 79 80 25 21  
marketing@idsrefrigeration.co.uk  
[www.climalife.dehon.com](http://www.climalife.dehon.com)

Conception: Elao - Pictures credits: Fotolia, Shutterstock, iStockphoto, Rémy Delacloche, dehon service, Performax LT 01/07.11/1/1/EN

The New Solution  
**Performax™ LT**

To reduce the energy consumption of refrigeration systems and cope with regulatory changes



# Performax™ LT

The best combination to reduce energy consumption and face up to regulatory changes

- Improved energy efficiency
- Reduced operating costs
- Reduced carbon footprint

In a European political context of reducing greenhouse gas emissions and decreasing energy consumption, Climalife offers the best suited refrigerant to help achieve these goals with your installations.

With a GWP of 1824, the **Performax™ LT** is a new product on the refrigeration market to reduce your energy bill while reducing your carbon footprint.

Developed by the Honeywell R & D department, this is an HFC refrigerant for commercial and industrial refrigeration applications.

**Performax™ LT** replaces R-404A in new and existing facilities. It improves the efficiency of the system, thus reduces energy consumption and the overall impact on the environment.

These are essential gains in the field of commercial refrigeration for which energy represents over 50% of the climate impact.

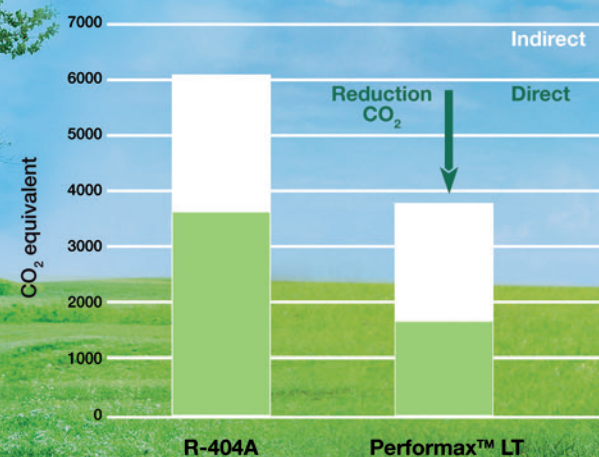


## 1. Improved energy efficiency

- Gain in capacity\*
- Better performance ratio

\*: condensing +40°C / evaporation -30°C / 0°C

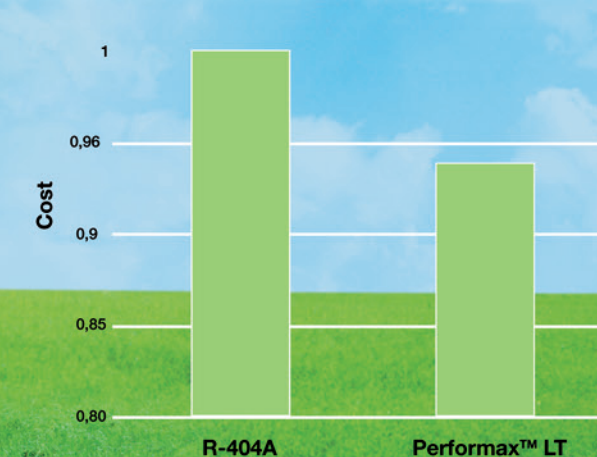
### Carbon footprint



## 2. Reduced operating costs

- A real saving for your clients
- Significant for commercial uses where refrigeration represents approximately 50% of energy consumption

### Operating costs

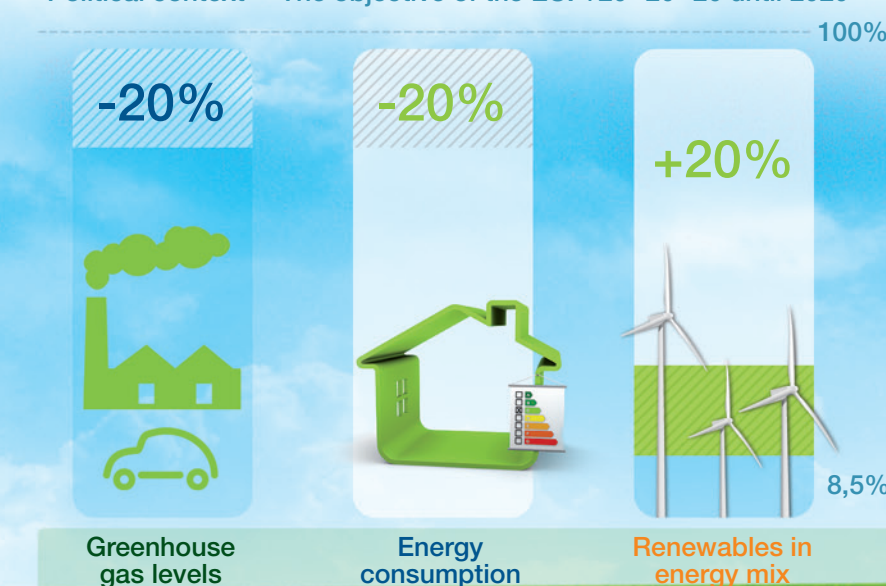


## 3. In line with EU policy

- Reducing energy consumption
- Reducing carbon footprint (using a fluid with a lower GWP reduces the carbon footprint)
- Reduction in greenhouse gases

\*Source: Directorate - General for Energy / European Commission

Political context\* - The objective of the EU: +20 -20 -20 until 2020

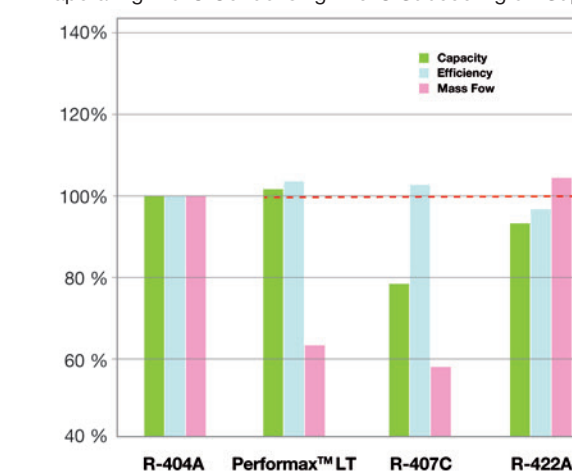


## Areas of application of Performax™ LT

Commercial and industrial cooling, refrigerated transport. Preferably used in new facilities or to replace the R-404A for direct expansion systems of the following types:

- cooling units for large outlets (supermarkets and hypermarkets),
- cold stores,
- food preservation storage units,
- transport...

Comparison with R-404A  
Evaporating -25°C Condensing +40°C Subcooling 5K Superheat 5K



## Performax™ LT, a simple solution for converting R-404A systems

- Use of the same oil (facilities are often recent and filled with polyol ester oil). Viscosity should be selected for the type of compressor and its working conditions.
- Compatible with R-404A or R-507 equipment.
- Check the expansion device in accordance with the installation and adjust the system if required for optimum performance.