



Refrigerants

R-407F (Performax LT)

GUARANTEED COMMERCIAL SPECIFICATIONS

STANDARD SPECIFICATIONS	LIMIT VALUE
Composition	
- R-32	30 % (± 2 %)
- R-125	30 % (± 2 %)
- R-134a	40 % (± 2 %)
Purity	≥ 99,5 % poids
Water Content	≤ 10 ppm weight
Chloride ion test (with silver nitrate)	Negative
Acidity (Hcl)	≤ 1 ppm weight
Non-condensable content (gas phase)	≤ 1,5 % volume
High boiling Residue	≤ 0.01 % volume

MAIN APPLICATIONS

Performax LT is a “non azeotropic” HFC blend, designed for commercial and direct expansion industrial refrigeration applications. It can be used for new or existing systems as a replacement for R-404A. R-407F is mainly used in new refrigeration units in supermarkets, cold stores, food preservation storage units, cooling display cabinets and for refrigerated transport.

OILS

Use a polyolester oil (POE).

Check with **Climalife** regarding the viscosity of the oil selected for your application, and the miscibility with the fluid under consideration.

PRECAUTIONS OF USE

Refer to the Safety Data Sheet*.

REGULATION

Use, implementation and recovery are governed by European regulation no. 2024/573. It is also important to refer to the regulations in force in each country in Europe and outside Europe.

*Find Safety Data Sheets (SDS) directly on our website www.climalife.com

PERFORMAX LT PHYSICAL PROPERTIES

Molar Mass	g/mol	82,1
Melting Point	°C	N/A
Boiling Point (at 1,013 bar)	°C	-46,06
Temperature glide at 1,013 bar	K	6,40
Saturated liquid density 25°C	kg/m ³	1117
Saturated vapour density at boiling point	kg/m ³	4,465
Vapour pressure at: 25°C	bar	13,11
50°C	bar	24,31
Critical Temperature	°C	82,66
Critical Pressure	bar	47,55
Critical Density	kg/m ³	477
Latent heat of vaporisation at boiling point	kJ/kg	257,21
Thermal conductivity of liquid at 25°C	W/m.K	0,086
Thermal conductivity of Vapour at 1,013 bar	W/m.K	0,014
Surface Tension at 25°C	10 ⁻³ N/m	6,63
Viscosity of liquid at 25°C	10 ⁻³ Pa.s	0,1440
Viscosity of Vapour at 1,013 bar	10 ⁻³ Pa.s	0,013
Specific heat of liquid at 25°C	kJ/(kg.K)	1,575
Specific heat of vapour at 1,013 bar	kJ/(kg.K)	0,834
Cp/Cv ratio at 25°C at 1,013 bar		1,152
Flammability in air		Non-flammable
Flash point	°C	None
Classification NF-EN 378 / ASHRAE PE(S)R		A1 Category 2
Ozone Depletion Potential	(R-11 = 1)	0
GWP according to Regulation (EU) 2024/573 (F-Gas III)	(CO ₂ = 1)	1825
GWP (AR4 / AR6)		1825 / 1965

Please contact your distributor or our **Climalife** sales department for more information. In addition, if the refrigeration system you want to install, or are working on, does not appear to be a typical installation, please do not hesitate to contact us for advice and information.

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.



For more information, please visit our website:
climalife.com/contact_us



web