



VIN-FP-210/004

climalife®

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 % weight
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

The use and implementation of Performax LT are governed by EU Regulation n° 517/2014.

The recovery of Performax LT is mandatory under EU Regulation n° 517/2014.

(Refer to the regulations enforced in each country).

* Find the Safety Data Sheet (SDS) directly on our website www.climalife.dehon.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
NF-EN 378 Classification		A1
Ozone Depletion Potential	(R-11 = 1)	0
GWP	(CO ₂ = 1)	1824

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.

Les renseignements contenus dans cette fiche produit sont les résultats de nos études et de notre expérience. Ils sont donnés de bonne foi, mais ne peuvent en aucun cas constituer de notre part une garantie, ni engager notre responsabilité, particulièrement en cas d'atteinte aux droits des tiers, ni en cas de manquement des utilisateurs de nos produits aux réglementations en vigueur les concernant.

Pour toute information complémentaire, consultez notre site internet :



http://www.climalife.dehon.com/contact_us