R407A refrigerant is an energy efficient, low GWP refrigerant designed for use in medium and low temperature supermarket applications. It is suitable for new installations and retrofits on existing R-22, R-507 and R-404A units. Klea® 407A meets the GWP requirements beyond 2030 under the EU F-Gas Regulations for industrial and commercial refrigeration.

Composition (wt%) R-32/R-125/R-134a = 20/40/40

Please note that not all products are available in all markets.

R407A Refrigerant Physical Properties – Klea® 407A

Property	S.I. Units	Value	British Units	Value
Molecular Weight	kg/kmol	90.11	lbm/lbmol	90.11
Critical Temperature	°C	82.26	°F	180.06
Critical Pressure	bara	45.15	psia	654.87
Critical Density	kg/m_3	498.86	lb/ft_3	31.14
Atmospheric Bubble Point	°C	-45.007	°F	-49.0
Atmospheric Dew Point	°C	-38.593	°F	-37.5
Latent Heat of Vapourisation at Atmospheric Pressure	kJ/kg	238.36	BTU_{IT}/lb	102.48
Saturated Vapour Density at Atmospheric Pressure	kg/m_3	4.8824	lb/ft_3	0.30
Liquid Vapour Pressure @25°C	bara	12.531	psia	181.7
Coefficient of Volumetric Thermal Expansion for Saturated Liquid at 25°C	$°C^{-1}$	0.0042611	$°F^{-1}$	0.00237
Speed of Sound* for Saturated Vapour at 25°C	m/s	149.33	ft/s	489.93
Adiabatic Exponent* for Saturated Vapour at 25°C		1.34		1.34
Latent Heat of Vapourisation at 25°C	kJ/kg	172.17	BTU_{IT}/lb	74.02
Saturated Vapour Density at 25°C	kg/m_3	49.749	lb/ft_3	3.11
Saturated Vapour Density at 0°C	kg/m_3	22.441	lb/ft_3	1.40