

## R-407C (English version)

Chemical name: Difluoromethane / pentafluoroethane / tetrafluoroethane  
 Formula:  $\text{CH}_2\text{F}_2$  /  $\text{CHF}_2\text{CF}_3$  /  $\text{CH}_2\text{FCF}_3$

### Specification / grade

Purity	99.5 weight %		
Mixture	R-32	Min 21 – Max 25	weight %
	R-125	Min 23 – Max 27	weight %
	R-134a	Min 50 – Max.54	weight %
Impurity	Moisture	10	ppm
	Residue	50	ppm
	Acidity as HCl	0.1	ppm
	Non soluble gasses in evaporated phase	1.5	vol %

### Cylinder / content specification

	$V_{\text{cyl}}$ (l)	$m_{\text{gas}}$ (kg)	Product code
Cylinders	12	11	2250112
	27	25	2250127
	61	55	2250161

### Cylinder characteristics

Colour according to standard	--	
Shoulder	Pure white	RAL 9010
Cylindrical part	Pure white	RAL 9010
Connection according to NEN 3268	RU 1	

### Thermo physical properties

Average molecular weight (kg/kmol)	86.2		
Density saturated vapour (kg/m <sup>3</sup> at -15 °C)	11.06		
Density liquid (kg/m <sup>3</sup> at 25 °C)	1136		
Boiling point (°C) (K)	-43.6	respective	229.6
Critical temperature (°C) (K)	86.7	respective	359.9
Vapour pressure (bar at 25 °C)	11.85		

### Additional information

Material Safety Data Sheet	Cooling gas R 407 C (VIB nr. 9207)
Product description	Colourless liquid with ethereal odour
Designation according to ASHRAE	R-407C
Ozone depletion potential (O.D.P.) (CFK - 11 = 1)	0
Warming up factor (HGWP) (CFK - 11 = 1)	0.38

### Applications

Cooling agent for temperature area between -10 °C and +18 °C	Refrigerators, beverage coolers, commercial cooled storage
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Linde Gas Benelux B.V.  
 Havenstraat 1, P.O. Box 78, NL-3100 AB Schiedam  
 www.linde-gas.nl

#### ORDER:

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