

REFRIGERANT INFORMATION CHART

Existing Equipment

Refrigerant	Trade Name	Safety Classification	GWP 4th	GWP 5th	Comments
R-407A		A1	2107	1923	R-404A Replacements
R-442A	RS50	A1	1888	1754	
R-407F	Performax	A1	1825	1674	
R-452A	Opteon XP44	A1	2140	1945	
R-449A	Opteon XP40	A1	1397	1282	
R-448A	Soltice N40	A1	1387	1273	
R-450A	Soltice N13	A1	605	547	R-134a Replacements
R-513A	Opteon XP10		631	573	
There are Currently no R-410A Retrofit Options					R-410A Replacements
R-438A	MO99	A1	2265	2059	R-422D, R-417A Replacements
R-453A	RS70	A1	1765	1636	

Note; Prior to retrofitting, check conversion guidelines and satisfy yourself that the replacement is suitable for your application.

New Equipment

Refrigerant	Trade Name	Safety Classification	GWP 4th	GWP 5th	Comments
R-452A	Opteon XP44	A1	2140	1945	Transport Refrigeration and Small Hermetics
R-407A		A1	2107	1923	MT and LT Refrigeration
R-407F	Performax LT	A1	1825	1674	MT and LT Refrigeration
R-449A	Opteon XP40	A1	1397	1282	MT and LT Refrigeration
R-448A	Soltice N40	A1	1387	1273	MT and LT Refrigeration
R-452B	Opteon XL55	A2L	698	676	Air Conditioning and Heat Pumps
R-452B	Soltice L41y	A2L	698	676	Air Conditioning and Heat Pumps
R-32		A2L	675	677	Air Conditioning and Heat Pumps
R-513A	Opteon XP10	A1	631	573	HT and MT Refrigeration, Chillers, Heat Pumps
R-450A	Soltice N13	A1	605	547	HT and MT Refrigeration, Chillers, Heat Pumps
R-454B	Opeteon XL41	A2L	466	467	Air Conditioning and Heat Pumps
R-454A	Opeteon XL40	A2L	239	238	MT and LT Refrigeration
R-454C	Opeteon XL20	A2L	148	146	MT and LT Refrigeration
R-455A	Soltice L40X	A2L	148	146	MT and LT Refrigeration
R-1270	Propylene	A3	2	2	Small Hermetics, MT and LT Refrigeration
R-290	Propane	A3	3	3	Small Hermetics MT<, Air Conditioning & Chillers
R-600a	Iso-butane	A3	3	3	Domestic Refrigeration and Small MT Hermetics
R-744	CO2	A1	1	1	Supermarket & Industrial New Equipment only
R-1234yf		A2L	4	<1	Car AC, Chillers
R-1234ze	Soltice ze	A2L	7	<1	Chillers and Heat Pumps
R-1233zd	Soltice zd	A1	5	1	Low Pressure Chillers
Ammonia	R-717	B2L	0	0	Industrial Refrigeration

Check compressor approvals and recommended applications, also refer to EN378 for charge size limitations for application

ISO 817 Safety Classification:

- A1 = non flammable
- A2L = mildly flammable
- A3 = highly flammable
- B2L = mildly flammable

Note; The information provided above is given and reference only. It is provided in all good faith, and should not be taken to constitute a guarantee on our part or an assumption of responsibility. Always refer to official manufacturers' data sheets for specific applications.