



Frascold S.p.A.
Rescaldina-ITALY

OIL SPECIFICATION

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Date 22/05/2017

	Refrigerant	App.	Compressor Series	Oil Type	Viscosity	Frascold Name	Oil Brand Product Name	Spare Part Code	Note
RECIPROCATING	HFO HFC R22	L M H	A-B-D-F-Q-S Two stage	POE	32 cSt	32POE	CPI_Emkarate RL32H		Standard oil charge
								T00SACD321 T00SACD325 T00SACD3223 T00SACD32200	1 Litre Can 5 Litres Can 20 Litres Pail 200 Litres Drum
			V-Z-W Open C6	POE	68 cSt	68POE	CPI_Emkarate RL68H		Standard oil charge
								T00SACD681 T00SACD685 T00SACD6820	1 Litre Can 5 Litres Can 20 Litres Pail
	R22	L M	A-B-D-F-Q-S	MIN	32 cSt	32MIN	TOTAL_Lunaria FR32		Alternative oil
								T00SFR325	5 Litres Can
		M H	V-Z-W	MIN	68 cSt	68MIN	TOTAL_Lunaria FR68		Alternative oil
								T00SFR685 T00SFR6820 T00SFR68	5 Litres Can 20 Litres Pail 208 Litres Drum
	L	Two stage	AB	46 cSt	46AB	TOTAL_Lunaria FR46 LT		Alternative oil	
							T00SPX454220	20 Litres Pail	
	R290 R1270	L M H	A-B-D-F-Q-S-V-Z	PAG	68 cSt	68PAG	LUBRIZOL CPI_1516-68		Standard oil charge
								T00SPAG68HC1 T00SPAG68HC19 T00SPAG68HC	1 Litre Can 19 Litres Pail 208 Litres Drum
W			PAG	150 cSt	150PAG	LUBRIZOL CPI_1516-150		Standard oil charge	
							T00SPAG1501 T00SPAG15020	3,8 Litres Can 19 Litres Pail	



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RECIPROCATING	R717 (NH3)	L M H	Open C6	MIN	68 cSt	68MIN	LUBRIZOL CPI Pale Oil 68		Standard oil charge	
									T00SFR685 T00SFR6820 T00SFR68	5 Litres Can 20 Litres Pail 208 Litres Drum
			SK (subcritical)							Standard oil charge
	R744 (CO ₂)	Booster	TK (transcritical) Motor-2 (small)	POE	85 cSt	85POE-C	FUCHS_Reniso C 85E			Standard oil charge
									T00SACD85/CO2 T00SACD85200	10 Litres Pail 200 Litres Drum
			SK (subcritical)							Alternative oil
			TK (transcritical) Motor-2 (small)	PAG	68 cSt	68PAG-C	SHRIEVE_ZeroI RFL 68-EP			Alternative oil
									T00SPAG681 T00SPAG6816	1 Litre Can 20 Litres Pail
			TK (transcritical) Motor-1 (large)	POE	85 cSt	85POE-C	FUCHS_Reniso C 85E			Alternative oil
								T00SACD85/CO2	10 Litres Pail	
		Heat Pump	TK (transcritical) Motor-1 (large)	PAG	68 cSt	68PAG-C	SHRIEVE_ZeroI RFL 68-EP			Standard oil charge
									T00SPAG681 T00SPAG6816	1 Litre Can 20 Litres Pail
	Cascade	SK for Cascade	POE	68 cSt	68POE-C	LUBRIZOL CPI Emkarate RL68HB			Alternative oil	
								T00SACD68/SK5 T00SACD68/SK20 T00SACD68/SK	5 Litres Can 20 Litres Pail 200 Litres Drum	



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SCREW	HFO HFC R22	L M	CX-CT	POE	170 cSt	170POE	LUBRIZOL CPI Emkarate RL170H		Standard oil charge	
								T00SRL170H5 T00SRL170H20 T00SRL170H200	5 Litres Can 20 Litres Pail 200 Litres Drum	
	HFO HFC	L M H	NR – RT ATS	POE	170 cSt	170POE	LUBRIZOL CPI Emkarate RL170H		Recommended oil	
								T00SRL170H5 T00SRL170H20 T00SRL170H200	5 Litres Can 20 Litres Pail 200 Litres Drum	
	R22	L M H	CX-CT	POE	300 cSt	300POE	LUBRIZOL CPI CP-4214-320		Alternative oil	
								T00SRL300H5 T00SRL300H20	5 Litres Can 20 Litres Pail	
		L M	NR – RT	AB	100 cSt	100AB	MOBIL Zerice S100	na	Recommended oil	
		H	NR – RT	POE	150 cSt	150POE	CPI CP-4214-150	na	Recommended oil	
		L M	ATS	AB	100 cSt	100AB	MOBIL Zerice S100	na	Recommended oil	
		H	ATS	POE	150 cSt	150POE	CPI CP-4214-150	na	Recommended oil	
	R290 R1270	L M H	CX	PAG	150 cSt	150PAG	LUBRIZOL CPI_1516-150		Recommended oil	
								T00SPAG1501 T00SPAG15020	3,8 Litres Can 19 Litres Pail	
	R717 (NH3)	L M H	ATS	MIN		46/68 cSt	46MIN-A	Fuchs Reniso KS 46, KC 68	na	Recommended oil
				PAO		68 cSt	68PAO-A	Gargoile Arctic SHC226E	na	Recommended oil

Legenda

- **Standard Oil Charge:** included in extent of delivery
- **Alternative Oil:** available on request and charged in the compressor
- **Recommended Oil:** approved oil but NOT supplied by Frascold

- **AB** Alkyl Benzene Oil
- **MIN** Mineral Oil
- **PAG** Polyalkylene Glycol Oil
- **PAO** Poly-alpha-olefin Oil
- **POE** Polyolester Oil (see warning here below)

WARNING *POE Oil must be handled carefully, refer to producer Safety Data Sheet
Use proper protective equipment (gloves, eye protection, etc.).
Do NOT put POE Oil in contact with any surface or material that might be harmed by,
such as polymers (e.g. PVC/CPVC and polycarbonate).*

- **L** Low Temperature Application (Refrigeration) for R407A, R407C, R407F, R422A/D, R438A
- **M** Medium Temperature Application (Refrigeration, Air-Conditioning)
- **H** High Temperature Application (Air-Conditioning, Heat Pump)

For specific product availability and performance data refer to Frascold sales literature

Refer to Application Engineering bulletins, change-over guidelines etc... for additional information visit web site Frascold.it

Approved lubricants

POE OIL

- Castrol Icematic SW32, Icematic SW68, Icematic SW170
- Fuchs Reniso C 85E
- Lubrizol CPI Emkarate RL32H, Emkarate RL68H, Emkarate RL170H,
- Lubrizol CPI CP-4214-150, CP-4214-320
- Lubrizol CPI Emkarate RL68HB
- Mobil EAL Arctic 32, EAL Arctic 68, EAL Arctic 150
- Total Planetelf ACD32, Planetelf ACD68, Planetelf ACD150

PAG OIL

- Lubrizol CPI CPI-1516-68, CPI-1516-150
- Shrieve Zerol RFL 68-EP

MIN OIL

- Fuchs Reniso KS 46, Reniso KC 68
- Lubrizol CPI Pale Oil 68
- Total Lunaria FR-32, Lunaria FR-68

AB OIL

- Mobil Zerice S100
- Total Lunaria FR 46 LT