

CURRENT APPROVAL STATUS WITH HFC REFRIGERANTS

COMPRESSOR MANUFACTURER	TYPE OF MODEL	APPROVED LUBRICANT
APV BAKER (J & E HALL)	HALLSCREW	RL 100H
BITZER	SCREW	RL 170H
BUSSFIELD	RECIPROCATING (OPEN DRIVE)	RL 68H
BOCK	RECIPROCATING	RL 22H, 32H, 46H, 68H, 100H
CARRIER (CAES, TRANSICOLD)	RECIPROCATING O&DR FOR MARINE CONTAINERS CENTRIFUGAL CHILLERS (17EA, 17DA) EXTERNALLY GEARED CHILLERS (17EX, 17FA, 17MPS) INTERNALLY GEARED CHILLERS (17EX, 17FA, 19EA, 19EB, 19FA, 19XL, 19XT, 19EX, 19XR, 19XRT)	RL 22H RL 32H RL 68H RL 68HP
CARRIER/CARLYLE	RECIPROCATING (05G, 05K, 06D, 06E, 06CC C3) SCREW (05T & 06T)	RL 68H RL 100S H
COPELAND	SEMI AND HERMETIC RECIPROCATING AND GLACIAL SCROLLS	RL 32CF, RL 32-3MA RL 22CF
DORIN	SEMI HERMETIC RECIPROCATING ("K" SERIES)	RL 22H
DUNHAM BUSH	RECIPROCATING (D-B METIC & D-LINE) SCREW (VERTICAL)	RL 32H, 68H RL 68H
MANEUROP	PERFORMER SCROLLS, LTZ & MTZ RECIPS	RL 32H
MCQUAY INTERNATIONAL	CENTRIFUGAL (100 & 126) CENTRIFUGAL (060, 063, 079, 087) SCREW (COMMERCIAL ITEM NUMBER AA5063472) SCREW (FRAME 2 AND FRAME 4 MODELS)	RL 32H RL 32H RL 68H RL 68HP
ROYCE	RECIPROCATING (FULL LINE)	RL 32H
SABROE	RECIPROCATING & SCREW	RL 32H, 46H, 68H, 100H, 150S, 220H
SRM	TWIN SCREW	RL 150S
TECUMSEH	RECIPROCATING	RL 32H
THERMOKING	RECIPROCATING (FOR CONTAINERS)	RL 32H
TRANE	SCREW SCROLL	RL 68H RL 32HB
USA MILITARY	NSN 9150-01-387-4469 NSN 9150-01-410-8972 NSN 9150-01-443-9390 NSN 9150-01-443-9396 NSN 9150-01-435-1899	RL 68H RL 68H RL 46H RL 46H RL 68H
VATANU-COOL ROTARYVANE	ORBITAL VANE ROTARY (OVR)	RL 220H

This approval list should be used as a guide only. Uniqema recommends that users confirm with the original equipment manufacturer (OEM) which EMKARATE™ RL grade is qualified for use with a particular combination of compressor model, refrigerant and application. OEM's advice should always be taken. Only use approved lubricants.

On systems calling for RL32S or RL68S substitute RL32H or RL68H, respectively.

NU-CALGON PART NUMBERS

	RL22H	RL22CF	RL32H	RL32HB	RL46H	RL68H	RL68HP	RL100H	RL170H	RL220H
Quarts	-	4313-34	4314-44	-	-	4316-44	-	-	-	-
Gallons	4313-46	4313-36	4314-46	-	4315-46	4316-46	4316-76	4317-46	4318-26	4318-56
5-Gallon	4313-45	4313-35	4314-45	4314-65	4315-45	4316-45	4316-75	-	4318-25	4318-55
Drums*	4313-41	4313-31	4314-41	-	-	4316-41	4316-71	-	-	-

*Drums are 53-gallon.



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