

Breakthrough in refrigeration



New Danfoss Scroll compressors RM & RL séries

Danfoss is introducing their new and innovative RM and RL scroll compressor platforms designed for R404A – R507A refrigeration applications.

With a wide evaporating temperature range (-30 to +5°C) the RM compressor is the perfect choice in medium temperature applications for supermarket, food processing and cold storage installations. While the RL series will address low temperature systems needs.

Both models have the design and construction features required for utilization in refrigeration rack assemblies for large cooling capacity systems.

High efficiency medium and low temperature refrigeration scroll compressors RM & RL series



**Product launch
mid 2003**

Major Features:

- R404A – R507A designed compressors
- High energy efficiency
- Low weight and small footprint
- Integrated compressor protection
- Rotolock suction and discharge connections
- Threaded oil sight glass
- Oil equalisation connection
- Gauge port and oil drain connections

Medium temperature application RM series

Model	Displacement (cm ³)	Cooling cap. (Watt)	Power Input (Watt)	COP (W/W)
RMZ 166	166.6	17150	7690	2.23
RMZ 250	249.9	25730	11540	2.23

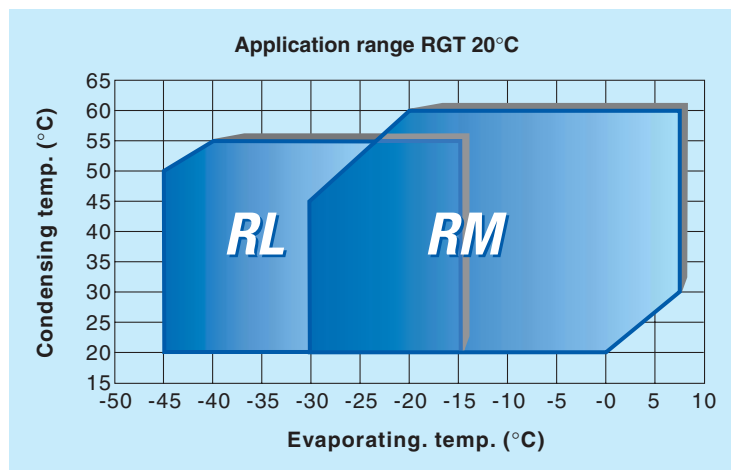
-10/40°C, RGT=20 °C, SC=0 K, 50 Hz, R404A - R507A

Low temperature application RL series

Model	Displacement (cm ³)	Cooling cap. (Watt)	Power Input (Watt)	COP (W/W)
RLZ 166	166.6	6600	5700	1.16
RLZ 250	249.9	9910	8550	1.16

-35/40°C, RGT=20 °C, SC=0 K, 50 Hz, R404A - R507A

Wide evaporating temperature range

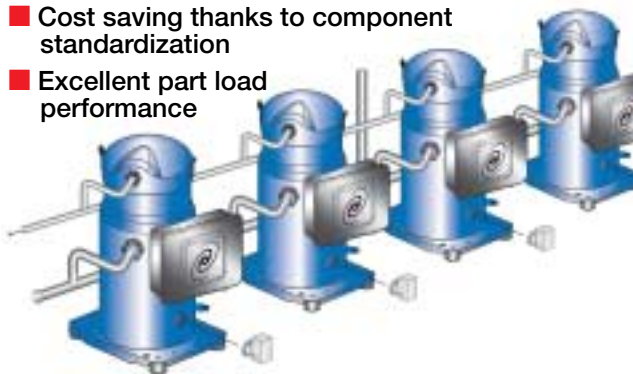


Application enveloppe R404A - R507A

RM and RL compressors Rack mounting capabilities

The ideal building brick of modern refrigeration systems for racks designers:

- Heavy duty value packed compressor
- Easy to inter-connect
- Cost saving thanks to component standardization
- Excellent part load performance



Danfoss, a full programme of energy efficient refrigeration components

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Commercial Compressors

BP 331 F-01603 Trévoux France
Tél. (33) 4 74 00 28 29 - Fax (33) 4 74 00 52 44
www.danfoss-maneurop.com