



C1008SS-VDHV Compressor Pack

Cooling Capacity @4200 rpm Qo:	35 kW
Evaporation Te:	- 40 deg C
Condensing Tc:	+35 deg C
COP:	1,56
Weight:	1420 kg
Oil charge:	130 l

Oil temperature regulating valve
Dual oil filters
Water-cooled oil cooler
Shell/tube economizer
Application: spiral freezer

SRMTec Packages with SRS two-stage semi-hermetic compressors

Optional with

- Vertical or horizontal oil separators with max. 3 ppm oil carry over
- Dual oil filters
- Oil temperature regulating system
- Economizers in shell/tube, plate or plate/shell
- Oil coolers water/cooled or thermosiphon
- **Additional skid to turn the unit into a process-chiller**
 - Plate/shell HX plus phase separator
 - Plate/shell HX plus phase separator plus CO₂ receiver and CO₂ pump

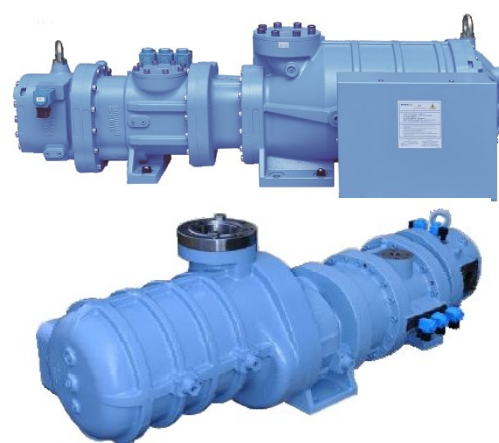
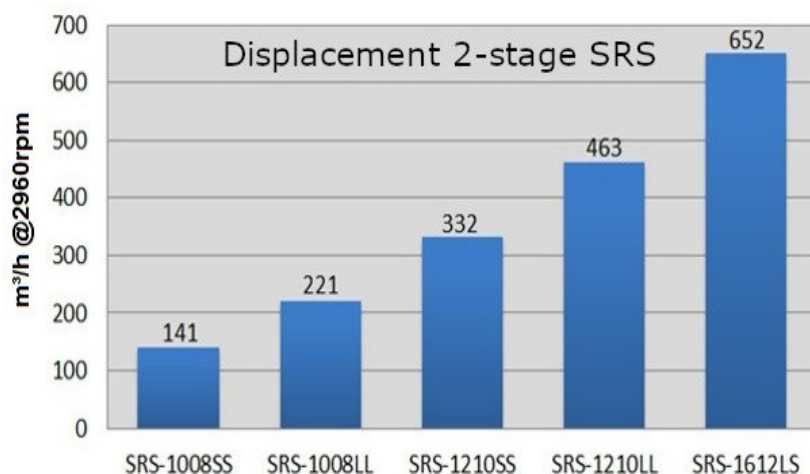
SRS Compressors

Innovative Features

- Latest rotor i-profile and 5+7 lobes for high efficiency, low oil demand and low noise/vibration emission
- Semi-hermetic design for ease of application (no shaft-seal)
- Rotation speed controlled (1500 - 4200/4500rpm) **permanent magnet synchronous motor (PMSM)**
- Advanced axial bearing for long life (up to 10 years dependent on speed regime)
- Vi-regulation for optimal adjustment to temperature zones

- ⇒ Most efficient and least service requirements
- ⇒ Lowest operating cost
- ⇒ **Best life-cycle performance at highest efficiency**

COMPLETE PRODUCT RANGE



Cold Storage Container Plant Room

SRM Europe Solutions for Industrial Refrigeration

Project Description

Compressor Duo-Package

SRMTec : 2 x SRS1612LS, two stage

Refrigerant: Ammonia (R717)

Technical Data, Total

Capacity @3600rpm Q₀: 380 kW

Te: -35°

Tc: + 45°

Energy consumption L/T: 241 kW

COP: 1,58

Commissioning: Aug 2018

Contacts

SRM Opcon
Rotorslingan (Värmdövägen 120),
Stockholm, Nacka, Sweden
jpeter.lundstrom@opcon.se

SRM Europe GmbH
Ringelbachstr. 41
72762 Reutlingen, Germany
info@snowman.solutions

SRM Germany GmbH
Hasenäcker 12
88142 Wasserburg, Germany
peter.ziegler@srn-germany.de

SRM Benelux, R+M Support bv
Aquamarijnstraat 100-104
7554 Hengelo, The Netherlands
info@rm-support.nl

Dicostock SL
Avda. Valgrande, 25 nave 11
28108 Alcobendas, Madrid, Spain
dicostock@dicostock.com

Snowman Refrigeration Mexico
Av. Americas 1500, P17
Col. Country Club CP 44610
Guadalajara, Jalisco, Mexico
info.mexico@snowman-solutions

Snowkey Australia Pty Ltd
8/93 Pearson Road
Yatala, QLD 4207, Australia
info@snowkey.com.au

www.snowman.solutions.com
www.srmbenelux.nl/en/
www.snowkey.com.au
www.snowkey.com/en

The first semi-hermetic two-stage Ammonia compressor package in Europe was successfully commissioned in a cold storage facility in North Germany by contractor **Zimmermann Industriekälte GmbH**.

The compact system was easily fitted within a standard container as plant room. This guaranteed low on-site cost of installation.

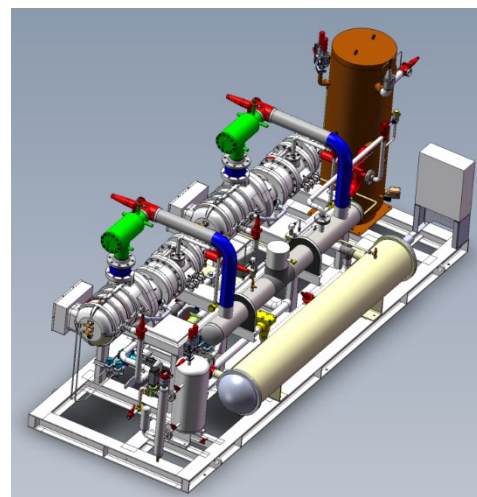
In case of further extension this solution is highly flexible for the future.



The two-stage compressor guarantees higher efficiency compared to applications with booster systems where two compressor packages are needed.

Such simple system achieves less complexity cost and requires less expensive space.

Frequency inverters assure close following of required cooling capacity with fast reaction.



1 x SRMTec C2AA1612LS-VDLV semi-hermetic two-stage compressor duo-pack with Q₀: 380 kW capacity

SRM is your partner for customer support and sales of industrial refrigeration solutions. We cooperate closely with our agents and distributors to be a reliable local partner for our customers.