



SNA16L-VDMA Compressor Package

Cooling Capacity @50Hz Qo: 431kW
Evaporation Te: (-) 10 deg C
Condensing Tc: + 35 deg C
COP: 3,98

Dual Oil Filters
Oil Temperature Regulating Valve
Frequency Inverter Motor, EI3
Siemens S7 PLC-Control

SRMTec Packages with open-drive SRM 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 thermo-siphon
- Frequency Inverter to utilise speeds of up to 6000 rpm, dependent on compressor model

SRM Compressors

Innovative Features

- Latest rotor i-profile and 5+7 lobes for efficiency and low noise/vibrations
- Hydraulic Vi-regulation, manual and automatic stepless c
- Advanced axial bearing for long life (up to 10 years depe
- Dedicated oil channels for floating rolling bearing elemen
- Labyrinth seal to separate oil and refrigerant
- Engineered shaft seal for long life
- Economizer port feeding straight into the rotor to avoid se
- Slide valve for 10% - 100% stepless capacity control
- Nodular iron casing material for strength

- ⇒ Most efficient and least service requirements
- ⇒ Lowest operating cost
- ⇒ **Best Life-Cycle Performance**



COMPLETE PRODUCT RANGE

Displacement (m³/h@50Hz)

SRM-12 series **215~310**

SRM-16 series **544~652**

SRM-20 series **850~1270**

SRM-26 series **1659~2940**

SRM-34 series **3360~5938**



0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 11000

Displacement (m³/h@50Hz)

SRM-1612 series **544~625**

SRM-2016 series **1100~1270**

SRM-2620 series **2075~2478**

SRM-3426 series **4197~5084**



0 1000 2000 3000 4000 5000 6000

SRM Europe Solutions for Industrial Refrigeration

Project Description

Compressor Package

SRMTec : SRM26M, single stage
SRM20M, single stage

Refrigerant: Ammonia R717

Technical Data, Total

Capacity L/T Q₀: 500 kW

Te: -40°

Tc: -2°

Energy consumption L/T: 154 kW

Capacity M/T Q₀: 1230 kW

Te: -3°

Tc: +32°

Energy consumption M/T: 230 kW

Commissioning: Aug 2018

Contacts

SRM Opcon
Rotorslingan (Värmdövägen 120),
Stockholm, Nacka, [Sweden](#)
peter.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

The recent extension of the current piston compressor cooling facility of Salmon company **VEGA** in Northern Germany was based on SRMTec technology. The combination of SRM20M and SRM26M booster open-drive compressor packages are engineered and installed by **ARCTOS Industriekälte AG**.

The new system can pro-actively adapt to the seasonal fluctuation of the ambient conditions to bring condensing and evaporation temperatures in line to achieve best performance and energy savings.

Generously dimensioned suction filters and double oil filters plus efficient oil separators increase process security for the project owner.



The SRMTec combination of 1 x SRM26M and 1 x SRM20M compressor-pack as booster system assures a maximum of flexibility with several side loads and is ready for future extensions.

The low stage booster pack provides 500kW at (-)40 deg C which is condensed against the high-stage at (-) 2 deg C. The 500kW are allocated to spiral freezers, ice machine and cold storage whereas the high stage besides the condensing load is allocated to ante-rooms, process cooling and medium temperature co



ly the most reliable and
utable components
ich can be identified
d sourced locally within
ir market are used in
...MTec systems for your
piece of mind.



SRM Compressors are the development of **Svenska Rotor Maskiner**, the pioneer of screw compressor engineering since 1908. Fujian Snowman Co. has invested since 2014 in this "mother" of all screw compressors.

Main features:

- Radial roller bearings designed for 100.000 hours of lifetime
- Newest 5/7-i-profile for highest efficiency and lowest demand of oil for sealing and lubrication.
- Dedicated oil distribution for lubrication and sealing
- Nodular iron casting housings
- Speed control of up to 6000 rpm (dependent on model) adapts closely to the capacity profile needed.
- Vi-Regulation for optimal adjustment to temperature zones
- Single- and two-stage compressors

⇒ **optimized life-cycle-cost at highest efficiency**



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.