

SRM - 110 Years of Solid Innovation SRM TEC



SNA16L-VDMA Compressor Package

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

Dual Oil Filters Oil Temperature Regulating Valve Frequency Inverter Motor, El3 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

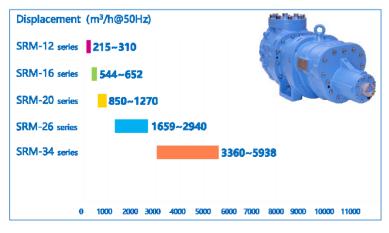
SRM Compressors

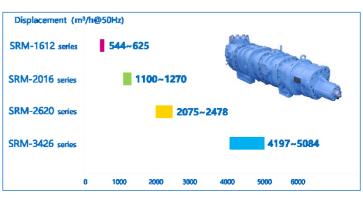
Innovative Features

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 \Rightarrow
- Lowest operating cost
- **Best Life-Cycle Performance**

COMPLETE PRODUCT RANGE







Vega Salmon Industry



SRM Europe

Solutions for

Compressor Package

SRMTec: SRM26M, single stage

SRM20M, single stage

Refrigerant: Ammonia R717

Capacity L/T Q₀: 500 kW

Te: -40°

Tc: - 2°

Energy consumption L/T: 154 kW

Capacity M/T Q₀: 1230 kW

Te: -3°

+32°

Energy consumption M/T:230 kW

Commissioning: Aug 2018

Tc:

SRM Opcon Rotorslingan (Värmdövägen 120), Stockholm, Nacka, Swe

SRM Europe GmbH Ringelbachstr. 41 72762 Reutlingen, Germany

SRM Germany GmbH Hasenäcker 12 88142 Wasserburg, Germany

SRM Benelux, R+M Support by Aquamarijnstraat 100-104 7554 Hengelo, The Netherlands

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

Snowman Refrigeration Mexico Av. Americas 1500, P17 Col. Country Club CP 44610 Guadalajara, Jalisco, Mexi

Snowkey Australia Pty Ltd Yatala, QLD 4207, Australia

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 opendrive 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 I 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 engineeruing 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.