

Tesco Distribution Centre

The recent new installation of a **TESCO** Distribution Centre of **CTP** close to Budapest, Hungary is based on SRMTec technology.

The combination of 3 x SRM16L and 3 x SRM20L open-drive compressor packages is engineered and installed by **QPlan Cooling Technical Design & Services Co.Ltd.**

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 **high temperature** packages provide with 3 compressors up to 550kW cooling each at -6°C and a condensing temperature of +50°C.

3 x SRM20L compressors provide more than 620 kW cooling each for the **low-temperature** rooms at -17 °C evaporating and +50°C condensing temperature.



Only the most reliable and reputable components which can be identified and sourced locally within your market are used in SRMTec systems for your piece of mind.



Main Features of the Compressors:

- 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 double-stage compressors

SRMTec offers a range of refrigeration technology equipment focused on natural refrigerants like NH₃, CO₂ and Hydrocarbons like Propane, Isobutane etc. for all kind of applications in every aspect of modern life. The compressors are the development of **Svenska Rotor Maskiner**, the pioneer of screw compressor engineering since 1908.

SRMTec EU is the Organization for European and American 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.

PROJECT DESCRIPTION

Compressor Package

| | |
|--------------|--------------|
| SRMTec : | SRM16L, |
| | single stage |
| | SRM20L, |
| | single stage |
| Refrigerant: | Ammonia R717 |

Technical Data, Total

| | |
|-------------------------------|------------|
| Capacity H/T Q ₀ : | 3 x 500 kW |
| Te: | - 6° |
| Tc: | - 50° |
| Energy consumption L/T: | 3 x 166 kW |
| Capacity L/T Q ₀ : | 3 x 600 kW |
| Te: | -17° |
| Tc: | +50° |
| Energy consumption M/T: | 3 x 282 kW |
| Commissioning: | Nov 2024 |

Learn more at srmtecgroup.com/products/SRM20M and srmtecgroup.com/products/SRM26M

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