

# SWIRE COLD STORAGE LOGISTICS

The Australian SWIRE Cold Chain Logistics commissioned China their sixth logistics centre with 22,000 sqm storage area as “one-stop-logistics-solution”. With the second step another 34,000 pallet spaces will follow soon with variable multitemperature-configuration.

SWIRE Group will consequently follow through their strategy of professional logistics solutions in China and introduce soon their seventh cold storage in Chengdu.

Snowman will also to that project supply the most advanced cold storage equipment with SRMTec-compressor packs and evaporative condensers.



2 x SRMTec CAA1612LS-HALV semi-hermetic two-stage compressor packs with Qo: 550 kW capacity are operating via CO2/R744 as secondary coolant storage temperature zone -35° to -25 ° C. The fully welded plate-in-shell heat-exchangers of Vahterus are used for highest safety.



1 x SRMTec C2NA16L-HAHV semi-hermetic duo-compressor-pack with Qo: 695 kW capacity cools via propylene glycol as coolant the storage temperature zone 0 bis 12 ° C.

## MAIN FEATURES:

- no shaft-seal
- newest 5/7-i-profile for highest efficiency and lowest demand of oil for sealing and lubrication.
- permanent magnet motor for highest efficiency.
- Vi-Regulation for optimal adjustment to temperature zones
- speed control up to 5,000 rpm for step-less adaptation to load profile
- single- and two-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.

Learn more: [srmtecgroupp.com/products/SRS16L](http://srmtecgroupp.com/products/SRS16L), [srmtecgroupp.com/products/SRS1612LS](http://srmtecgroupp.com/products/SRS1612LS)

Contacts/Partners of SRMTec Europe [www.srmtecgroupp.com](http://www.srmtecgroupp.com)

## PROJECT DESCRIPTION

Compressor packs + evaporative condensers

SRMTec : SRS16L,  
single stage  
SRS1612LS,  
two-stage  
SEC 1585  
condenser

Refrigerant: Ammonia R717  
Secondary: CO2 and Glycol

## Technical Data, Total

Capacity Q: max. 1,25 MW  
Room temperature: -25° bis 0°  
Energy consumption: 746 kW  
COP<sub>total</sub>: 1,67  
Refrigerant Charge: 4500 kg  
Commissioning: April 2017

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