

# Sabroe NS-PAC-T193SR

## Specifications

Brand	Sabroe
Type	NS-PAC-T193SR
Product type	Water Cooled Chiller
Capacity kW	215,4*
Capacity Tons	61,2*
Refrigerant	NH 3 (ammonia)
Refrigerant Type	R717
Liquid buffer tank	✓
Pump	✓
Weight in kg.	Sabroe NS-PAC-T193SR Shipping weight: 14.200 kg Baltimore VTL-E-103-K Shipping weight: 1.220 kg.
Sizes	Sabroe NS-PAC-T193SR: 9520x2800x2400 mm (LxWxH) Baltimore VTL-E-103-K: 5780x1270x2000 mm (LxWxH)
Compressor(s) type & model	2x Sabroe SAB 193 S / York SGC 1913
Display	2x Unisab 3
Remarks	Y.o.b. 2014



compressor standby  
Remarks || \*Capacity based on  
(-37,7°C/32,5°C) and 1

## Description

### Used Sabroe NS-PAC-T193SR

New Sabroe NS-PAC-T193SR water cooled chiller on NH3 (R717) build in 2014. Complete with 2 Sabroe SAB 193 S / York SGC 1913 screw compressors each with a Leroy Somer PLSES315S-T electric motor - 50 Hz - 160 kW - 2975 RPM, Sabroe OHU 04123D/2719D1 oil separator and oil reservoir, Sabroe OF 2111 oil filter, Alfa Laval AlfaNova HP 52-60H braced heat exchanger functioning as oil cooler. The chiller also includes a Baltimore VTL-E-103-K open cooling tower, 2 Alfa Laval M10-BWREF plate heat exchangers functioning as evaporator, 2 Alfa Laval M10-BWREF plate heat exchangers functioning as condensor, 2 Danfoss HFI 040 D 100 floats, Sabroe SVER 0408 economizer, Sabroe GHEA 083004-S liquid separator with a volume of 1700 liter, 2 Lowara FHE4 65-200/30/P water pumps and a Lowara PLM 100B5S3-330 electric motor, 2 Vogel LSN80-50-160S4VV1-752 water pumps and a ABB M3AA 132 SC-2 electric motor, control cabinet with 2 Unisab 3 system controllers, 2 Danfoss VLT frequency converters. The chiller comes with all certificates.

The chiller has a cooling capacity of 215,4 kW with the following conditions and 1 compressor on standby:  
Evaporating temperature -37,7°C  
Condensing temperature +32,5°C.  
Variable Speed at 3600 RPM

Evaporator heat exchanger Glycol

temperature:

Temperature in: -29,8°C.

Temperature out: 30,4°C.

Flow: 39,9 m<sup>3</sup>/h.

Condenser heat exchanger water

temperature:

Temperature in: 25,4°C.

Temperature out: 30,4°C.

Flow: 44,9 m<sup>3</sup>/h.

Running hours compressor 1: 7 Hours.

Running hours compressor 2: 10 Hours.

More information is in the PDF documents below. Please notice that information is based on 1 compressor running and 1 standby.

\*All components of this used chiller will be tested on adequate performance, leak free condition (condensing blocks), compressors, fans, control panel, and so forth). Choosing HOSBV means buying with warranty. We perform an industrial cleaning. \*If requested we are happy to arrange your shipment.



























