SABROE 128 HM SCREW COMPRESSOR

Compressor:

Brand:	Sabroe
Type:	128 HM
Capacity:	60 kW at -40°C/+35°C
	85 kW at -34°C/+32°C
Refrigerant:	NH 3 (ammonia)
Electromotor:	75 kW
Including:	- Unisab II control
	- Frequency regulator
	- Pressure sensor for freq. regulator
	- Solenoid valve economizer
	- Solenoid valve oil cooling
	- Oil heating
	- Motor for oil pump

The compressor has an 75 kW Electromotor, 380-660V/3Ph, protectionclasse IP-54. Electromotor is suitable for frequency regulation. Motor is provided with PTC-thermistors and stationary resistive heating.

The compressor unit fully complete build on steel frame with aligned electromotor and provided with all necessary components such as;
- Adjustable capacity regulation 10-100%
- Automatic VI-regulation according to current company conditions
- Suction filter
- Oil filter with reserve element
- Oil separator with max. oil throw 25 p.p.m.
- Flow switch in oilcircuit
- Oil level glass
- Safety spring
- Oil distribution system between oil separator and screwcompressor
- Oil pump and Oil temperature regulation incl. all service-valves
- Build on NH3-cooled oilcooler, suitable for thermosyphon.

Incl.:   - solenoid valve incl. filter with thermostate on the oil pipe, Danfoss RT-101
- Vibration silencer
- Microprocessor for automatic capacity regulation and the necessary safeties including display for indication temperatures, working hours, Pe etc.

Evaporating Condensor:

Brand: Baltimore
Type: VXC 65R
Capacity: 217 kW
Including: Control panel

Liquid vessel:

Including; - Level sensor
            - Pressure sensor
            - Venting unit
            - Valve

Separator -34˚C:

Including; - Separator
            - Oil drain element (self-regulating and always in operation)
            - Heating element
            - High level switch
            - Level sensor
            - Ammonia pump
            - Pressure differential switch
            - Motor-driven valve (measures level in high-pressure liquidreceiver)
            - Valve

Intercooler:

Including; - High level switch
- Level sensor
- Solenoid valve

Frequency controller:

Brand: ABB
Type: ACS 607-0120-S

Control panel:

Including Siemens PLC