

Brought to you by **Nehmeh Entreprises and Industries L.L.C**

The First & only manufacturer of World - Class **Air Cooled Screw Chillers** in Qatar



Shell & Tube Cooler
ONDA ebmpapst

Telemecanique
ABB Europe

NRC Series
40- 515 Tr
50 Hz / 60 Hz



R134a



Replaceable core filter drier



Electronic Expansion Valve



Danfoss Europe



Ball Valve



USA

Microprocessor controller.



Nehmeh Air cooled NRC Series Screw Chillers designed for Energy Savings and GCC Climate

- Designed to conform to
 - ARI standard 550/590 (Water chilling packages using the vapor compression cycle.)
 - ANSI / ASHRAE 15-1994 (Safety code for Mechanical Refrigeration)
- Screw compressors
- Microprocessor controller.
- Coolers
- Electronic Expansion valve
- Single point power connection.

Compressor:

- All compressors are compact semi-hermetic screw.
- Automatic start unloading.
- Step less capacity control and best part load efficiency.
- Modulate capacity between 25% to 100%.
- Step capacity control Additionally Hot Gas BY pass control

Features:

- Under Voltage Phase Protection
- Electrical Panel NEMA 4 (IP55)
- Crankcase Heater
- Unit On/Off Switch
- Condenser Fan Motor Circuit Breaker
- Compressor Circuit Breaker
- ASME CODE STAMPED
- PRESSURE GAUGES
- CONDENSER COIL GUARD
- COMPRESSOR/COOLER GUARD
- COMPRESSOR ENCLOSURE BOX (SOUNDATTENUATOR)
- FLANGED TYPE COOLER CONNECTION
- COPPER FINS/TUBES CONDENSER COILS
- PRE-COATED ALUMINUM FINS CONDENSER COILSCOATED COPPER/ALUMINUM FINS CONDENSER COILS
- NON-FUSED MAIN DISCONNECT SWITCHES
- COOLER HEATER TAPE
- GROUND CURRENT PROTECTION
- EXTERNAL OVER LOAD RELAY
- BUILDING MANAGEMENT SYSTEM (BMS)
- REMOTE MONITORING / SMS CONTROLLER COMMUNICATIONS
- POWER LINE ANALYZER

Remote Monitoring System and SMS Notification:

- Remote control through serial line – chiller sequencing (option)
- MODBUS protocol option
- LON protocol option
- BACnet protocol option
- SMS notification
- External enable/disable option
- Maximum demand control in emergency mode

Condenser Fan & Motor

- Class - "F" insulation Glass,
- Internally thermal Protection,
- high ambient application.70 Deg C
- Aerodynamic design, top discharge with protective grille
- Made in Europe (Germany/Spain)

Refrigeration:

- Independent refrigeration circuit per compressor
- Electronics Expansion valve
- Liquid line solenoid valve & shut off valve
- Liquid line moisture indicator
- Replaceable core filter drier
- Fully charged units with R134a refrigerant
- Liquid injection kit
- Adjustable High pressure switches
- Liquid injection control,
- Free terminal for remote on/off connection,
- Free terminal for general alarm output

