

1 Standard

ARI 560-2000

For EC market

89/392/EEC (MD)

73/23/EEC (LVD)

89/336/EEC (EMC)

97/23/EC (PED)

90/396/EEC (GAD)

For North America market

UL 1995

2 Absorption Chiller/Heater

Parts and instruments in the chiller/heater are selected by manufacturer.

- 1) Lower shell :
Evaporator and Refrigerant tray
Absorber and Absorbent tray with Eliminators
Bases
- 2) Upper shell :
Condenser and Low temperature generator with Eliminators
Rupture disk
- 3) High temperature generator
- 4) Heat exchangers :
High temperature heat exchanger
Low temperature heat exchanger
Refrigerant drain heat reclaimer
- 5) Pumps :
Absorbent and refrigerant pumps with isolation valves
Purge pump
- 6) Purge unit :
Storage tank with ejector device
Diaphragm valves and piping with liquid trap
Palladium cell with heater
Pressure sensor
- 7) Burner :
CE marking for EC market model
UL marking for North America market model
Burner control panel
Gas train and/or oil train
- 8) Control panel :
Controller with data display , operation buttons and lamps
Inverter for absorbent pump
Temperature sensors, flow switch, gauge and pressure switches
- 9) Interconnecting pipe and wiring
- 10) Initial charge :
Absorbent (Lithium Bromide) Refrigerant (Water)
Inhibitor (Lithium Molibdate)
- 11) Painting :
Rust preventive paint for main unit
Finish paint for control panel
- 12) Accessory :
See attached accessory parts list

Carrier
SANYO

Scope of supply (1/2)

Model

TSA-16DJ

Drawing code

CM-005-003-01-0

3 Factory test

Check of external dimensions

Hydraulic pressure test of water headers.

Test pressure is 1.5 times of maximum working pressure.

Leak test of vacuum side and gas train (for gas and dual fuel type)

Electronic insulation resistance test

Dielectric breakdown test

Function test of electric circuit and safety devices

4 Scope of supply for purchaser

- 1) Unloading, transportation and insurance after port of near manufacture.
- 2) Building and foundations.
- 3) External chilled/hot water, cooling water, fuel gas/oil and flue piping work including various safety valves, isolation valves, mating flanges, gasket, bolts and nuts, etc.
- 4) External wiring and piping for the chiller/heater including necessary parts.
- 5) Insulation for the chiller/heater.
- 6) Finish painting of the chiller/heater.
- 7) Cooling tower inlet temperature control device.
- 8) Water treatment device of cooling water.
- 9) Various temperature/pressure gauges for gas/oil and water lines.
- 10) Cooling tower(s), chilled water pump(s), hot water pump(s) and cooling water pump(s).
- 11) Electric power supply (Specified value)
- 12) Supply chilled water, hot water, cooling water and gas/oil at rated conditions.
- 13) Maintenance of the chiller/heater.
- 14) Necessary tools, workers and materials for installation and site testing.
- 15) Any other items without the scope of supply.



Scope of supply (2/2)

Model

TSA-16DJ

Drawing code

CM-005-003-01-0