

## PART 2 - PRODUCTS

### 2.1 GENERAL

- .1 Performance as shown and scheduled.
  - .1 Miami-Dade Certified Construction
- .2 Hermetic reciprocating or scroll compressor, evaporator, air cooled condenser, condenser fans, evaporator fan, hydronic heating section, filter box, economizer section, power exhaust fans, motor starters, and controls,
- .3 Roof curb mounting frame [for down discharge supply and up-flow return][],
- .4 Factory assembled and tested with refrigeration piping, refrigerant and oil charge.
- .5 Ready for connection to ductwork, gas and electric power source.
- .6 Standard of Acceptance
  - .1 McQuay
  - .2 Trane
  - .3 XeteX Inc.
  - .4 Ingenia
  - .5 Haakon
  - .6 Mafna

### 2.2 MATERIALS

- .1 Galvanized steel: ASTM A 527 lock former quality
  - .1 G90 class for unpainted surfaces,
  - .2 satin coat steel for painted surfaces.
- .2 Stainless Steel:
  - .1 type 304/304L to ASTM A480 Specification for General Requirements for Flat Rolled Plate, Sheet and Strip
- .3 Aluminum:
  - .1 Type 3003 H 14,
- .4 Insulation:
  - .1 50mm (2") thick Mansville "Permacoate Linacoustic R-300" or AP/Armaflex SA Black acoustic duct liner
  - .2 50mm (2") thick fibreglass 48 kg/m3 (3 lb/ft3) density, covered with neoprene

### 2.3 UNIT CONSTRUCTION

- .1 Base frame:
  - .1 150 mm (6 in) self-supporting galvanized structural steel channels in ladder configuration with cross members at ends of each shipping section and under major equipment loads,
  - .2 fitted with lifting lugs, and
  - .3 designed to evenly distribute unit weight.
- .2 Wall and roof construction: