

- .5 Provide permanent test ports c/w cap and chain in each section of unit centered above each access door.
- .6 Submit test report and plot of pressure flow characteristic on catalogue fan curve for review as shop drawing.

## 2 PRODUCTS

### 2.1 General

- .1 Factory assembled, from base, frame, casings, access doors, components such as fans, coils, filters, dampers, humidifiers, motors, belt and variable frequency drives, drip pans, eliminators, vibration isolation, silencers, inlet cowls, louvres, and accessories as shown and specified.

*Standard of Acceptance*

- Haakon
- Engineered Air
- Racan (Carrier/EFI)
- Trane (Scott Springfield)
- MAFNA ←

### 2.2 Materials

- .1 Galvanized steel:
  - .1 ASTM A-527 lock-former quality
  - .2 ASTM A525-75 designation G90 class for unpainted surfaces,
  - .3 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/m<sup>3</sup> (3 lb/ft<sup>3</sup>) density, covered with neoprene.

### 2.3 Unit construction

- .1 Unit internal construction shall be good for pressure wash down of the unit. Exposed caulking is not acceptable. All seams shall be continuously welded. Provide detail of seams as part of shop drawings.
- .2 Base frame:
  - .1 150 mm (6 in) welded structural steel or formed channels in ladder configuration with cross members at ends and under major equipment loads,
  - .2 fitted with lifting lugs, and
  - .3 designed to evenly distribute unit weight.