

1.4 Warranty

- .1 Compressors to be warranted against burn-out for three (3) years and warranty to include for labour and materials used in replacing compressors, and in cleaning, dehydrating and charging refrigeration system.

2 PRODUCTS

2.1 General

- .1 Cooling and heating roof top type with hermetic reciprocating or scroll compressor, evaporator, air cooled condenser, condenser fans, evaporator fan, heater section, filter box, motor starters, and controls,
- .2 Roof curb type mounting frame,
- .3 Factory assembled and tested with refrigeration piping, refrigerant and oil charge and
- .4 Ready for connection to ductwork, gas and electric power source.

Standard of Acceptance

- Engineered Air
- Trane
- Carrier
- York
- McQuay
- Enmar
- **MAFNA**
- Ventrol

2.2 Cabinet

- .1 Construction:
 - .1 assembled on steel base with lifting lugs and curb flashings,
 - .2 constructed with steel angle or folded plate frame, minimum 22 mm (14 ga) washdown construction inner liner, and panels of 1.2 mm (16 ga) outer liner.
 - .3 weathertight casing with removable gasketed panels for access to motorized equipment and hinged gasketed access doors for electrical control panel and filter changing,
 - .4 primed and enameled.
 - .5 Aluminum checker plate floor (1/8" thick)
 - .6 Maximum leakage 1.5% (factory tested)
- .2 Insulation:
 - .1 insulation on panel surfaces in contact with conditioned air of 50 mm (2 in), 32 kg/m³ (2 lb/ft³) density neoprene coated glass fibre. Double wall construction including access doors.

2.3 Evaporator

- .1 Direct expansion type, arranged with counter flow between air and refrigerant, minimum of two circuits;
 - .1 aluminum fins on copper tubes mounted in zinc coated steel casing.
 - .2 maximum face velocity of 2.6 m/s (500 fpm), minimum 4 rows.