PART 1 General

1.1 SYSTEM DESCRIPTION

* + 1. Provide Jaga Low H20 MAXI NA units where perimeter heating is shown.

1. 1.1.2 MAXI NA hydronic heating device wall mounted shall be robust in design and provide suitable heating for any public space.

1.2 QUALITY ASSURANCE

1.2.1 Each Unit shall be fully tested at the factory.

1.2.2 All aluminum components shall be certified to meet ASTM G53 UV-resistance

1.2.3 Surface temperature remains safe at all times based on DHSS DN 4 1992 regulation and subsequent revision.

1.2.4 All units shall be individually packaged and labeled for eased on site locating and installation

PART 2 Mechanical Parts

2.1 Cabinets

1. 2.1.1 The Cabinet shall be fabricated with 10 gauge electrolytic galvanized steel and will be coated epoxy polyester baked at 392°F. Available in two colours as standard White or grey metallic.
2. 2.1.2 The Top grille shall provide supply air and bottom shall provide return.
3. 2.1.3 The Cabinet front face shall be constructed of welded bent C channels style sheet metal, double walled. Flat sheet metal fronts will not be considered equivalent.
4. 2.1.4 The Cabinet shall be fabricated with heat exchanger support bracket. Standard configuration will be center mounted.

2.1.5 All Valve connections shall be made inside of the cabinet unless separate enclosures are supplied.

2.1.6 The Cabinet shall be fabricated such that there are no exposed corners or gaps. All corners shall be chamfered and all bents shall be joined to form one solid piece.

1. 2.1.7 The unit shall come with locate and fasten support structure.
3. 2.1.8 The Cabinet shall be factory Parts Warranted for 10 Years
4. 2.1.9 OPTIONAL Cabinet locks require special key to remove.

2.1.10 OPTIONAL Pencil Proofing grills

2.1.11 OPTIONAL Front Supply Air Front Return Air

2.1.13 OPTIONAL Front Return Air Top Supply Air

2.1.14 OPTIONAL Bottom Return Air Front Supply Air

2.1.15 OPTIONAL Any colour cabinet

2.2 Heat Exchanger

2.2.1 The Heat exchanger shall be of copper and aluminum construction. Shall be composed of round, seamless circulation tubes pure red copper, and two brass collectors.

2.2.2 The Fins shall be connected to the heat exchanger by expansion method only.

2.2.3 The Heat exchanger shall be factory pressure tested to 300 PSI, rated to 150 PSI.

2.2.4 The Heat exchanger shall be easily removable from cabinet if required.

2.2.5 The Heat exchanger shall be coated with dirt repellent and dust proof lacquer in graphite grey with 70% gloss to match cabinet.

2.2.6 The Heat exchanger shall be made to accommodate Jaga’s Dynamic Boost Effect fans to increase heating output of the exchanger if so chosen.

2.2.7 The Heat exchanger shall be standard same end supply/ return. Opposite end heat exchangers shall not be accepted.

2.2.8 The Heat exchanger shall have ASTM G53 certification.

2.2.10 Each Heat exchanger shall be of ultra low thermal inertia in design.

2.2.11 Each Heat exchanger shall come with 1/8”air vent hole and ½”drain plug hole. ½” NPT connections. NPT to BSP adapters not allowed.

2.2.12 The Heat Exchanger fins shall be corrugated by design.

2.2.13 The Heat Exchanger shall be shipped with vacuum sealed protection.

1. 2.2.14 The Heat Exchanger shall be factory Parts Warranted for 30 Years

PART 3 - EXECUTION

* 1. INSTALLATION
     1. Maintain factory installed pipe caps until water connections are made.
     2. Install units in accordance with manufacturer’s instructions and install all accessories specified herein.
     3. Locate units according to the drawings and ensure that mounting position allows full access to the service panels, filters, etc.
     4. In order to totally block off the cold draughts from the window it shall be preferable that the fin tube element covers the full length of the window.

END OF SECTION