PART 1 General

1.1 SYSTEM DESCRIPTION

* + 1. Provide Jaga Low H20 MINI-FREESTANDING units where perimeter heating is shown.

1. 1.1.2 Mini-Freestanding hydronic heating device floor mounted shall be robust in design and provide suitable for public facility areas and residential settings.

1.1.3 The water source heating equipment shall be certified for outputs based on EN442 standards

1.2 QUALITY ASSURANCE

1.2.1 Each Units 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 16 gauge electrolytic galvanized steel and will be coated epoxy polyester baked at 392°F. Available in two colours as standard White or grey metallic. Custom colours available upon request.
2. 2.1.2 The Top grille shall provide supply air and bottom shall provide return.
3. 2.1.3 The Cabinet front and back faces shall be constructed of a single uniform piece seamless in construction.
4. 2.1.4 The Cabinet shall be fabricated with heat exchanger support bracket. Standard configuration will be center mounted.

2.1.5 The Cabinet shall be fabricated such that there are no exposed corners or gaps. All corners shall be joined to form one solid piece – gaps are not permitted.

1. 2.1.6 The unit shall come with locate and fasten support structure.
3. 2.1.7 The Cabinet shall be factory Parts Warranted for 10 Years

2.1.8 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, max operating pressure of 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 be optional.

2.2.8 The Heat exchanger shall have ASTM G53 certification.

2.2.9 Each individual heat exchanger shall have EN442 certification. Output Correction factors will not be considered equivalent to establish output capacities.

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 and ½” female NPT connections. NPT to BSP adapters not accepted.

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.

3.1.2 Install units in accordance with manufacturer’s instructions and install all accessories specified herein.

3.1.3 Locate units according to the drawings and ensure that mounting position allows full access to the service panels, filters, etc.

3.1.4 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