

GENERAL

Furnish and install Tuttle & Bailey model BPS, bypass terminal units, to provide air at variable volume for cooling of sizes and capacities scheduled or as shown on the plans.

CONSTRUCTION

Casing

Unit casing shall be constructed of not less than 20 gauge galvanized sheet metal, with round inlet collars of the proper diameter.

Insulation

1/2" Dual Density - Interior surface of unit casing is to be thermally and acoustically lined with a 1/2" thick fibrous glass blanket with a black top layer and a green core. The insulation is to comply with NFPA 90A, NFPA 90B, UL 181, ASTM C 1071 and have a 1.9 R value. This insulation is glued to the terminal unit, and all exposed edges are to be sealed.

Damper Assembly

The damper assembly shall be of the diverter style. The damper shall be constructed of a heavy gauge galvanized steel blade bolted to a steel shaft. The heavy duty damper bearings shall require no lubrication. Rubber seals are applied to both the bypass and supply discharges to prevent excessive leakage.

Connections

Units shall incorporate a single point electrical connection. All electrical components shall be UL/ETL recognized and installed in accordance with the National Electric Code. All electrical components are to be mounted in a NEMA 1 control enclosure.

Control

Controls for the unit are to be supplied by the controls contractor and are to be mounted, calibrated, and tested in the field.

OPTIONS

Discharge Options

1. Unit shall have multiple outlets as shown on schedule.
2. Manual dampers available on inlet, outlet and bypass.

Unit Accessories

1. The unit shall be supplied with a transformer of Voltage defined on schedule.
2. The unit shall be supplied with hanger brackets to allow for a 1/2" threaded rod.

