Steam Ratings

Steam ratings are expressed in BTU per hour per lineal foot of active-length, based on steam or 215°F, 1 PSI, (101.5°C) and 65°F (18.3°C) entering air.

Recommended Installed Height

Ratings include the factor shown in Table 3 for the recommended installed height. If the unit is to be installed at a height other than that recommended, the rating must be adjusted as follows:

$$\text{Factor from Table 3 for actual installed height} \div \text{Factor from Table 3 for recommended installed height}$$

Example for installed heights other than recommended (example based on Multi/Pak 95-10):

Given:

- Installed height: 36”
- Water Temperature: 200°F
- Cover type: 95-10
- Element: C-540

$$[1.00 \div 1.15] \times 1500 = 1304 \text{ Btu/Hr./Ft.}$$

Dampers

Dampers are available as options on most enclosures, and are shown in diagrams wherever applicable. Ratings are for enclosures without dampers, or with dampers in fully open position.

Water Content

Slant/Fin commercial radiation elements contain the following volume of water:

- ¾” copper tube: 0.023 gal./ft.
- 1” copper tube: 0.040 gal./ft.
- 1¼” copper tube: 0.063 gal./ft.
- 2” steel pipe: 0.174 gal./ft.

NOTE:

All ratings have been determined in the Slant/Fin Environmental Laboratory in accordance with accepted industry practice concerning testing and rating procedures for finned tube (commercial) radiation. Fin-tube must be installed in accordance with installation diagrams on Form CP-10 and 90-40 to obtain the ratings indicated. Use of material or installation methods other than those specified by Slant/Fin may result in a change in the ratings.

* Engineering data pertains to all commercial baseboard products except Multi/Pak 80 and H and E Series bare elements.
**SPECIFICATIONS**

**Multi/Pak 90**
Furnish and install as shown on the plans Multi/Pak®—slope-top fin-tube enclosures with elements, required mounting components and all accessories as manufactured by Slant/Fin Corporation. Cover shall be of two interlocking sections: a top cover and front cover. Top cover will be common to one-tier (93-10) and two-tier (93-17) models. (A knob-actuated damper shall be provided.) Top of enclosure shall consist of stamped grille pre-painted and with pencil-proof air discharge louvers. Front skirt shall interlock with top panel to form lateral decorative panel. Front skirt shall be removable without removal of the top cover.

Interlocking top cover and front cover shall both be fabricated from 16-gauge galvanized steel in pre-painted Nu-White baked enamel finish or color as per specification. Brackets and hangers shall have a galvanized finish.

Provide and install Slant/Fin’s internal splice plate. The internal splice plate shall provide an internal slip connection without creating unsightly weld marks on the front of the cover. The resultant joint will be a neat butt joint; the need for an external splice plate is eliminated.

Fin-tube element(s) shall be Model________. Provide lengths and capacities as scheduled on plans. Furnish required channeled bracket-hanger assemblies with heavy flag brace for rigid front panel and element support. Provide all required accessories for complete installation. Cover accessories shall be telescopic and shall match enclosure color.

**Multi/Pak 93**
Furnish and install as shown on the plans Multi/Pak®—flat-top fin-tube enclosures with elements, required mounting components and all accessories as manufactured by Slant/Fin Corporation.

Cover shall be of two interlocking sections: a top cover and front cover. Top cover will be common to one-tier (93-10) and two-tier (93-17) models. (A knob-actuated damper shall be provided.) Top of enclosure shall consist of stamped grille pre-painted and with pencil-proof air discharge louvers. Front skirt shall interlock with top panel to form lateral decorative panel. Front skirt shall be removable.

Interlocking top cover and front cover shall both be fabricated from 18-gauge steel in Nu-White baked enamel or as custom matched as per specification. Brackets and hangers shall have a galvanized finish.

Fin-tube element(s) shall be Model________. Provide lengths and capacities as scheduled on plans. Furnish required channeled bracket-hanger assemblies with heavy flag brace for rigid front skirt and element support. Provide all required accessories for complete installation. Cover accessories shall be telescopic and shall match enclosure color.

**Multi/Pak 95**
Furnish and install as shown on the plans Multi/Pak®—flat-top fin-tube enclosures with elements, required mounting components and all accessories as manufactured by Slant/Fin Corporation.

Cover shall be of two interlocking sections: a top cover and front cover. Top cover will be common to one-tier and two-tier models. (A knob-actuated damper shall be provided.) Top of enclosure shall consist of stamped grille pre-painted and with pencil-proof air discharge louvers. Front skirt shall interlock with top panel to form lateral decorative panel. Front skirt shall be removable.

Interlocking top cover and front cover shall both be fabricated from 18-gauge steel in Nu-White baked enamel or as custom matched as per specification. Brackets and hangers shall have an electro-galvanized finish.

Fin-tube element(s) shall be Model________. Provide lengths and capacities as scheduled on plans. Furnish required channeled bracket-hanger assemblies with heavy flag brace for rigid front skirt and element support. Provide all required accessories for complete installation. Cover accessories shall be telescopic and shall match enclosure color.

**JA-14, JA-21 or JA-28 Series**
Furnish and install as shown on the plans JA-slope-top fin-tube enclosures with elements, required mounting components and all accessories as manufactured by Slant/Fin Corporation. Cover shall be of one-piece construction. (A knob-actuated damper shall be provided.) Top part of enclosure shall consist of stamped grille with pencil-proof air discharge louvers. (Optional: A knob-actuated damper shall be provided.)

Cover shall be fabricated from 18 (16 or 14) gauge galvanized steel. Cover finish shall be galvanized or powder coated to a color as per specification. Brackets and hangers shall have a galvanized finish. Cover panels to join using Internal Splice Plates, resultant joint has covers butting to one another resulting in a clean joint without unsightly weld marks on front of cover.

(Option: Cover with anodized aluminum grill in place of pencil-proof louvers. Cover shall be fabricated from 18 (16 or 14) gauge galvanized steel. Cover finish shall be galvanized or powder coated to a color as per specification. Brackets and hangers shall have a galvanized finish. Covers panels shall join using slip joint resulting in a clean joint.) Please note that knob-actuated damper is not available on aluminum grill cover.

(Option: A full height back panel shall be provided of 20 gauge galvanized steel.)

Provide all required accessories for complete installation. Cover accessories shall be telescopic and shall match enclosure color.

**JL-10 Series**
Furnish and install as shown on the plans JL-10 slope-top fin-tube enclosures with elements, required mounting components and all accessories as manufactured by Slant/Fin Corporation.

Cover shall be of one-piece construction. Top part of enclosure shall consist of stamped grille with pencil-proof air discharge louvers. (Optional: A knob-actuated damper shall be provided.)

Cover shall be fabricated from 18 (16 or 14) -gauge galvanized steel finish or powder coated to a color as per specification. Brackets and hangers shall have a galvanized finish. Cover panels shall join using slip joint resulting in a clean joint. (Optional: A full height back panel shall be provided of 20-gauge galvanized steel.)

Provide all required accessories for complete installation. Cover accessories shall be telescopic and shall match enclosure color.

**TBG Series**
Furnish and install as shown on the plans “TBG” Series top & bottom slope enclosures with elements, required mounting components and all accessories as manufactured by Slant/Fin Corporation. Cover shall be of one piece construction. Enclosure shall be (TBG-17, TBG-24) and shall have (1 or 2) tier element. (A knob-actuated damper shall be provided.)

(Option: A full height back panel shall be provided of 20-gauge steel in hot dipped coated galvanized finish.)

(Option: A full height back panel shall be provided of 20-gauge steel in hot dipped coated galvanized finish.)

Provide all required accessories for complete installation. Enclosure accessories in electro-galvanized steel shall be telescopic and match enclosure color.

**R Series**
Furnish and install as shown on the plans “R” Series round top enclosures with elements, required mounting components and all accessories as manufactured by Slant/Fin Corporation.

Cover shall be of one piece construction. Enclosure shall be (RL-10, RT-14, RT-21 or RT-28) and shall have (1, 2 or 3) tier element. (A knob-actuated damper shall be provided.)

(Option: A full height back panel shall be provided of 20-gauge electro galvanized steel finish.)

Provide all required accessories for complete installation. Enclosure accessories in electro-galvanized steel shall be telescopic and match enclosure color.
350 Series Furnish and install 350 Series Model baseboard cover assembly as manufactured by Slant/Fin Corporation, consisting of one-piece bottom, back and top panel, and one-piece 19 (16) gauge front panel, formed of cold rolled steel. Bottom and top edges of back panel shall be formed to provide channels along entire length, to receive full-height support brackets. Bracket supports shall be formed to accommodate return tubing above the heating element using standard fittings. Damper vane shall rotate freely and retain any setting through its arc. All cover components shall be painted in Nu-White thermostet polyester enamel.

Brackets shall be die formed of electro-galvanized cold rolled steel, for rigid bracing and spring locking. Slide-action expansion cradles, formed of polypropylene, shall be inserted between heating element and support bracket. Cradles shall protect element bottom and sides from contact with brackets or cover, confining element to free lateral expansion for noiseless operation.

Provide all required accessories for a complete installation. Cover accessories shall be telescopic and shall match enclosure color. All cover components shall be painted in Nu-White, oven baked melamine cross-linked polyester enamel.

HD Series Furnish and install as shown on the plans HD Series—slope-top baseboard with element, required mounting components and accessories as manufactured by Slant/Fin Corporation. Complete two-piece enclosure assembly shall consist of full back panel with interlocking slope top panel, factory packaged with necessary fixtures. Front cover shall be fabricated from 16-gauge steel, back panel from 20-gauge steel. The front panel & accessories shall be finished in galvanized finish or as custom color matched as per specifications. Fin-tube element shall be expanded to receive the expanded end of another, without couplings. All cover components shall be painted in Nu-White thermoset polyester enamel.

Baseboard shall be made of durable cast iron with wall mounted cast iron legs below baseboard. Wall mounted cast iron baseboard shall be 7½” high and 2½” deep. Baseboard shall be mounted off the floor.

Reno Cast Series Furnish and install as shown on the plans Reno Cast series baseboard with required mounting components and accessories as manufactured by Slant/Fin Corporation.

Baseboard shall be 8½” high and 2½” deep. End sections shall have floor - standing legs cast into baseboard. Intermediate sections shall have adjustable floor leveling bolts to compensate for uneven floors.

Optional wall model shall mount on the wall without floor standing legs below baseboard. Wall mounted cast iron baseboard shall be 7½” high and 2½” deep. Baseboard shall be mounted off the floor.

Baseboard shall be made of durable cast iron with metal push nipple used as water seal between sub-assemblies. Screws securing baseboard to wall shall be hidden and not visible from the front view.

Provide all required accessories for a complete installation.

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