

# *Slant/Fin* Base/Line 70

High-output baseboard radiation

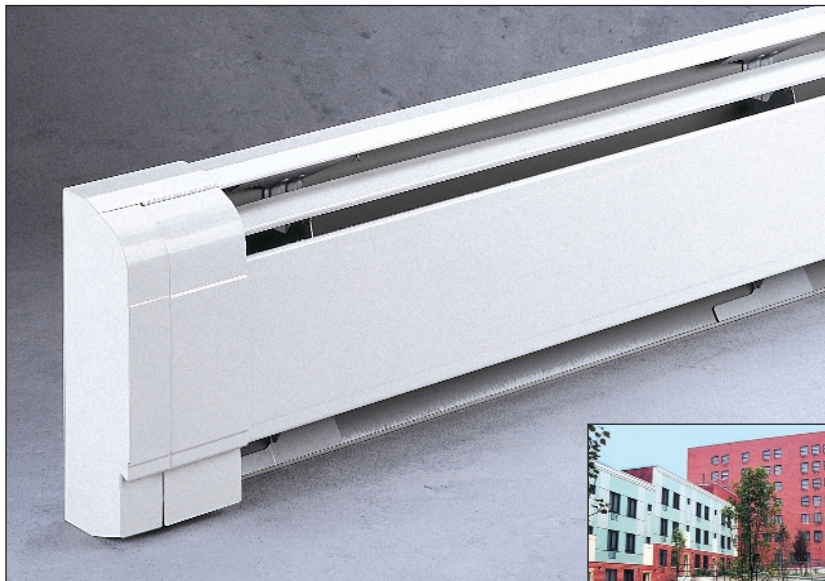




# Slant/Fin Base/Line 70 High-output baseboard

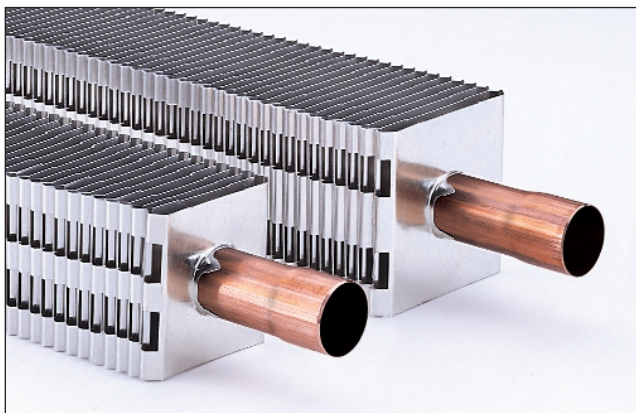
- 9¼" height
- 25% higher output than standard baseboard
- Choice of 2 heating elements
- Heavy duty construction
- 18-gauge front cover
- Pre-cut lengths from 2 to 10 ft.

New high-output Base/Line 70 baseboard combines renowned Slant/Fin quality and performance with an economical price. Its heavy duty construction makes it ideal for highly competitive multi-family housing, light commercial and high-output residential heating applications. No one is more experienced than Slant/Fin in designing and manufacturing baseboard with the right features for ease of installation, good value, superb performance, long life and customer satisfaction.



## Contractor-friendly features speed installation

Crafted to Slant/Fin's high quality standards, Base/Line 70 baseboard is factory assembled and packaged for quick carton-to-wall installation. No frustrating on-site assembly required. Brackets slide laterally to align with wall studs, if desired. Base/Line 70 remains straight and rigid through installation. Return piping is quick and easy using standard 90° fittings. A full range of piano hinged and snap-on accessories give the installation a neat look. Their telescopic design fills in extra inches, so there's no need to cut baseboard lengths to size. Base/Line 70 is packaged in one foot increments from 2' to 10', in complete assembly and enclosure-only models.



## Choice of two hot water heating elements

Base/Line 70 accepts either of two popular Slant/Fin hot water heating elements. The complete assembly model, Base/Line 73-A, is packaged with the high-output H-3 element. With its larger fin surface, it provides about 25% greater heat output per foot than most "standard" residential baseboard models. Where high output is not required, the Slant/Fin E-75 heating element may be utilized. The E-75 heating element is purchased separately for installation in the Base/Line 70 "enclosure only" model.

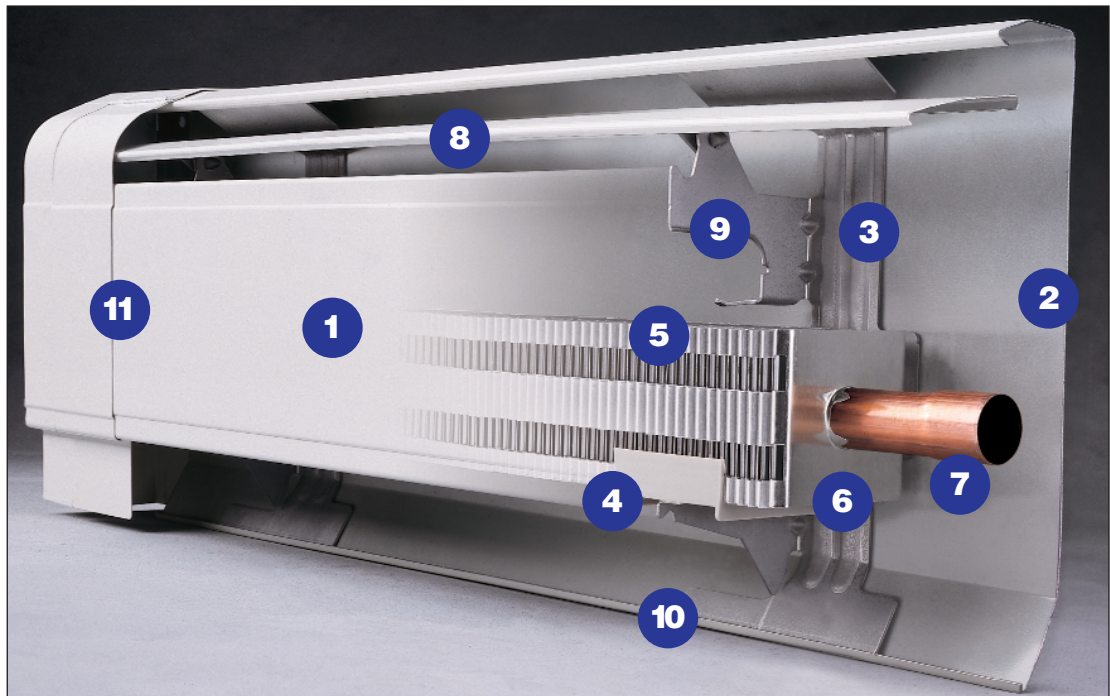
## Built better for fewer callbacks and less maintenance

Base/Line 70 is engineered with the contractor in mind, so installations will have a neat, trim appearance, perform beautifully and maintain their integrity through years of use. Annoying problems that occur with lightweight baseboard -- enclosures twist and bend, brackets distort, covers pop off, accessories look crooked, among many -- can kill profits and tarnish your reputation. Enjoy quality you can count on with Slant/Fin.

*Choice of heating elements broadens range of applications. High output H-3 element, right, provides 25% greater output than standard residential elements.*

## ***Base/Line 70... Combining inner strength and eye appeal for superb heating installations.***

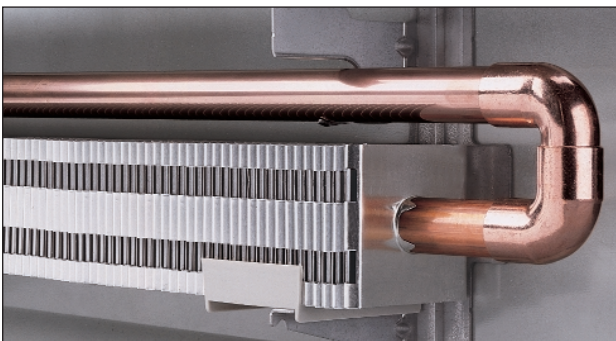
1. 18-gauge front cover
2. 9 1/4 in. high
3. High strength support bracket
4. Silent expansion cradle
5. High output heating element
6. Permanently bonded fins
7. Flared element tube
8. Fully modulating damper
9. Return tube support
10. 2" floor-to-cover airway
11. Nu-White baked enamel finish



*Sophisticated tooling and state-of-the-art manufacturing capabilities permit Slant/Fin engineers to design Base/Line 70 with features not found in ordinary baseboard. There's more integrity and durability in every length.*

**Massive, full-support bracket** — A truly crafted design, the Base/Line 70 bracket offers exceptional floor to top panel support. To fabricate the bracket, heavy gauge steel is subjected to progressive die strikes which multiply the strength of the metal alone. The bracket holds the front cover, element and damper vane securely in place. It braces the top panel against damage. The baseboard maintains its rigidity, providing the architectural appeal of straight, even lines from wall to wall. The Base/Line 70 bracket is more than twice the size and weight of brackets provided with some other baseboard brands.

**Heavy-gauge front panel** — The hefty 18-gauge front panel resists damage during and after installation. It is subtly contoured for added strength and good looks.



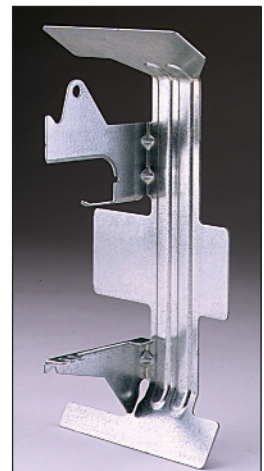
*Specially designed support bracket supports return tubing above the heating element without use of pipe hangers. Standard fittings support heating element with return line.*

**Pivot-mounted fully modulating damper** — Control comfort levels room-by-room with Base/Line 70's fingertip control damper. The exclusive pivot mount design permits easy adjustment while holding any position from fully open to fully closed.

**Renowned Slant/Fin heating elements** — The copper and aluminum heating elements available for Base/Line 70 are two of the industry's best performers. Double bent aluminum fins, one wedged against the next, reinforce each other, stop vibration and maximize heat output. Tongue and groove collars bind fins to the tubing, enhancing heat transfer efficiency. Self-adjusting velvet smooth expansion cradles eliminate noisy metal-to-metal contact with bracket and enclosure. One end of the element tube is flared to facilitate joining.

**Precision accessories** — A selection of telescopic accessories let you fit Base/Line 70 to virtually any field condition for an easy, neat wall-to-wall fit. Piano hinged end caps, valve covers and wall trim swing up for easy access. They have full back panels, giving them telescopic flexibility for the desired lateral fit, without sacrificing stability. All accessories are made from heavy gauge steel, die struck for precision fit and enamel finished inside and out. A splice plate set is included free with lengths 5' and longer.

*Massive bracket supports the baseboard from floor to top panel, holding front cover, element and damper securely in place.*





## Base/Line 70 hot water baseboard radiation accessories:

Please specify part number and name when ordering.



### HINGED END CAP

No. 70-LECH-Lft.  
No. 70-RECH-Rt.  
4" wide with piano-hinged door. Allows 3" adjustment.



### NON-HINGED END CAP

No. 70-LECN-Lft.  
No. 70-RECN-Rt.  
2" solid metal



### HINGED WALL TRIM

No. 70-LWTH-Lft.  
No. 70-RWTH-Rt.  
4" wide with piano-hinged door. Allows 3" adjustment.



### FILLER SLEEVE

No. 70-FS-7, 7"  
No. 70-FS-14, 14"  
One piece filler sleeve covers gaps from 1" to 6" or 1" to 12".



### 2" SPLICE PLATE

One piece splice plate included free with every baseboard unit 5' and over.



### NON-HINGED WALL TRIM

No. 70-WT-4  
4" wide



### INSIDE CORNER

No. 70-IC-90, 90°  
No. 70-IC-135, 135°  
3 3/4" wide at top (2 5/8" for 135°).



### OUTSIDE CORNER

No. 70-OC-90, 90°  
No. 70-OC-135, 135°  
4 3/4" wide (2" at top), one-piece unit.

### VALVE COVER

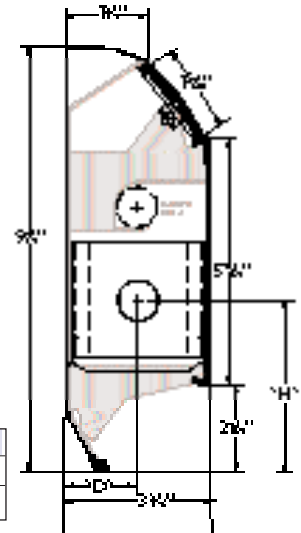
(Not shown)  
No. 70-LVC-Lft.  
No. 70-RVC-Rt.  
No. 70-CVC-Cntr.  
8" wide with piano-hinged door.

## Ratings: Base/Line 70 IBR approved hot water ratings, Btu/hr per linear ft.

ELEMENT	WATER FLOW	PRESSURE DROP*	140°F†	150°F	160°F	170°F	180°F	190°F	200°F	210°F	215°F	220°F
NO. 73-A 3/4" H-3 element in 70 enclosure	1 GPM	47	400	480	560	640	720	800	880	960	1000	1040
	4 GPM	525	430	510	590	680	760	850	930	1020	1060	1100
NO. 70-E 3/4" E-75E element in 70 enclosure	1 GPM	47	330	390	460	540	610	680	750	830	860	900
	4 GPM	525	340	410	490	570	640	720	790	880	910	950

\* Millinches per foot. † Nominal ‡ Ratings at 140°F determined by multiplying 150°F rating by the I=B=R conversion multiplier of .84.

NOTE: Ratings are for element installed with damper open, with expansion cradles and with 65°F entering air. Ratings are based on active finned length [5" to 6" less than overall length] and include 15% heating effect factor. Use 4 gpm ratings only when flow is known to be equal to or greater than 4 gpm; otherwise, 1 gpm ratings must be used.



## Specifications:

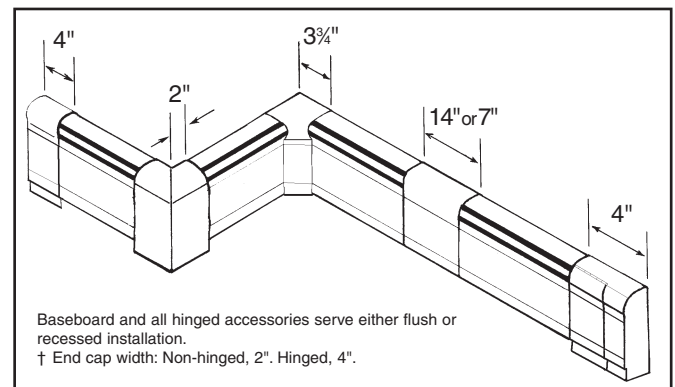
**H-3 HEATING ELEMENT:** Furnish and install H-3 baseboard heating element as manufactured by Slant/Fin Corporation, consisting of 3/4" nominal copper tubing with 3 5/8" x 2 1/2" x .011" aluminum fins bent to 2 3/4" x 2 1/2", spaced 55 per linear foot. The fins shall be evenly spaced and mechanically bonded to the tubing to lock the fins securely in place and maximize heat transfer. One end of each element tube shall be expanded to receive the unexpanded end of another, without couplings.

**E-75-E HEATING ELEMENT:** Furnish and install E-75E baseboard heating element as manufactured by Slant/Fin Corp., consisting of 3/4" nominal copper tubing, with 2 5/8" x 2 1/4" x .009" aluminum fins, bent to 2 19/64" x 2 1/8" spaced 56.35 per linear foot. End fins are of plated steel for extra ruggedness. Polypropylene expansion cradles shall be clipped to element, centered over each support bracket, and shall protect element from contact with support brackets or enclosure.

**COVER ASSEMBLY:** Furnish and install Base/Line 70 baseboard cover assembly as manufactured by Slant/Fin Corp., consisting of back panel, front panel, damper vane and support brackets (electro-galvanized), 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. The support brackets shall be formed to accommodate return tubing above the heating element using standard fittings. Damper vane shall modulate fully and retain any setting through its arc. All cover components shall be painted in Nu-White thermosetting polyester enamel.

Element	"H"	"D"
H-3	3 23/32"	1 1/2"
E-75E	3 17/32"	1 1/32"

## Dimensional and installation data:



## Ordering data:

### COMPLETE BASEBOARD PACKAGE

No. 73-A (with 3/4" H-3 element) Carton contains fully assembled baseboard, complete with damper vane, heating element and expansion cradles. 2" splice plate packed with lengths 5' and over. 10 foot assemblies contain two separate elements.

LENGTHS: 2', 3', 4', 5', 6', 7', 8', 10'

COLOR: Nu-White baked enamel finish.

### NO. 70-D ENCLOSURE ONLY PACKAGE

Same as No. 73-A, but WITHOUT heating element or expansion cradles.

### NO. H-3 3/4" ELEMENT ONLY NO. E-75E 3/4" ELEMENT ONLY

Heating elements with expansion cradles; NO enclosure. Packed in individual sleeves.

LENGTHS: 2', 3', 3 1/2', 4', 5', 6', 7', 8'



**Slant/Fin**

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