Slant/Fin

Fine/Line® 30

MADE WITH COMMERCIAL GRADE, RUST-RESISTANT GALVANIZED STEEL!

North America's favorite hot water baseboard radiation

The science of better heating!

Our hot water boiler-baseboard perimeter system *surrounds* you and your family with heating comfort. It is the most efficient, most comfortable heating system of all. Here's why it's better than forced air, electric heat or heat pumps:

- **Cleaner, healthier heat**
- **Gentle, draft-free heating**
- **Room by room comfort**
- **Quieter**
- **Better fuel economy**
- **Quicker response**
- **Slim profile**
- **Rugged and durable**

Fine/Line 30 harmonizes with any decor!

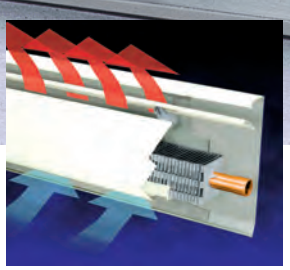
Leading the way in design and engineering

Why Slant/Fin is preferred by heating experts—

Slant/Fin leads the industry with baseboard heating innovations. Fingertip control dampers, hinged telescopic accessories, plastic expansion cradles and Zip-strip cartons are all Slant/Fin firsts. From die formed steel brackets to durable baked enamel finish, the quality you see in Slant/Fin baseboard reflects our commitment to excellence.
Experts agree that Slant/Fin leads the way in variety, quality and ease of installation.

Slant/Fin®

Engineered for excellence.



Wall streakage eliminated. *Top panel and damper form a shield to keep dust from settling into baseboard interior, and to deflect heated air away from the wall, into the room. Back panel has no holes or slits to leak air behind the back of the baseboard causing wall streakage.*

1. **High strength support brackets.** Slant/Fin's heavy gauge steel support bracket is shaped by a series of progressive die strikes which multiply the strength of the metal alone. The bracket becomes a powerful "spine" for the entire unit, holding cover, element and damper vane securely in place. Brackets can't pop out of place, yet may be slid laterally for installation convenience. Support wedge at top of bracket reinforces top panel against damage. Half-moon cutout provides room for return line.

2. **Super-strong enclosure.** won't go out of shape under rough abuse or even when used as a step by children. The super strong Slant/Fin enclosure holds its shape through installation and years of use. Prime, cold-rolled, rephosphorized, heavy-gauge, galvanized steel is formed into rigid front panel and one-piece bottom, back and top panel. Channels formed along top and bottom edge of front panel add extra structural strength.

3. **Rust resistant galvanized steel.** is standard on all Fine/Line 30 baseboard. The special alloys and rust inhibitor finish used in making Fine/Line 30 ensure that the enclosures will maintain their like-new beauty, even in high moisture areas such as bathrooms, basements and laundry rooms. No other residential baseboard offers this long lasting protection.

4. **Room control damper.** helps control individual room temperature. Slant/Fin's unique pivot and damper mounting assembly provide the straightest, most responsive damper available. Factory assembled. Holds any setting from fully open to fully closed or any setting in-between. Ordinary baseboard dampers may leave large spaces even when closed. The Slant/Fin damper, when closed, effectively reduces convection air flow.

5. **High performance heating element. Maximum heat output. Fins won't loosen.** Double bent aluminum fins pack extra heating surface in a slimmer enclosure. Interlocking tongue-and-groove collars permanently bond fins to each other and to the tubing. Stops "pings and clicks". Tight bond assures maximum heat-transfer efficiency. End fins are of plated steel for extra ruggedness.

6. **No-noise expansion cradles.** Self-adjusting velvet smooth expansion cradles eliminate noisy metal-to-metal contact with bracket and enclosure. Cradle slides silently over support bracket as heating element expands and contracts.

Heating contractor: Complete your baseboard installations with less effort and less time.

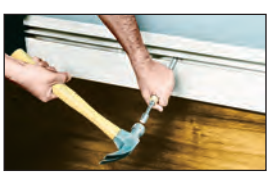
Fine/Line 30 is designed for fast, simple, economical installation from the minute you zip open the first carton to the second you snap on the last accessory. You make the best looking, most cost-effective baseboard installation possible. Without cutting corners. Without unexpected labor costs.
Take advantage of these Slant/Fin features for a better installation.

Slant/Fin's selection of pre-cut lengths and telescopic accessories lets you fit "standard" Slant/Fin products to virtually any field condition, for easy, neat wall to wall fit without cutting. With the 1067mm (3½') baseboard length, you can figure your runs in half-foot increments. No one offers greater selection, versatility and quality for baseboard accessories than Slant/Fin. Telescoping accessories make up the odd inches. 178mm (7") and 356mm (14") filler sleeves also fill gaps up to a foot.

Zip-Strip carton zips open in seconds. Baseboard comes out of the carton fully assembled, ready to nail. No jigsaw puzzle of parts. No cutting to fit.

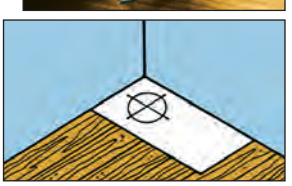
Fast/Flex connectors can be hand formed around obstructions, go through tight spots and make up for any misalignment between baseboard and piping. Here, one Fast/Flex replaces three elbows and three lengths of tubing, eliminating much measuring and fitting. (See Pub. No. EC-FF-10 for additional data.)

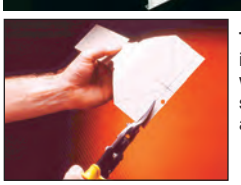
Slant/Fin's T-shot nailer reaches through the damper opening to drive a nail high up on the back panel where it offers the most support. You don't even have to remove the front panel to nail up the baseboard. Or use power drill with self-tapping screws.



51mm (2") splice plate provides continuity between close fitting baseboard sections.

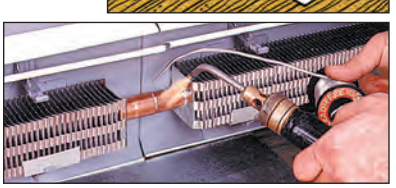
Riser hole template, included free in every baseboard package, lets you quickly mark the correct location for floor riser holes or wall holes for straight-through runs. Recommended hole diameter allows room for lateral expansion movement of the riser.





Turn corners easily. It's easy to shape your own inside corner when the standard 90˚ or 135˚ corners won't fit. Our field adaptable inside corner is easily shaped on the job for a perfect fit at bay windows or any other place with unusually angled corners.

Flared element tube — facilitates joining of baseboard sections. Right end of each element tube is flared to accept tubing from adjacent baseboard or ¾" system tubing.

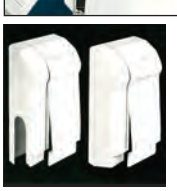


Slant/Fin baseboard can be installed flush to the wall or recessed for a more concealed look.

Vented return bend. Special 180˚ bend aligns return line perfectly with half-moon cutouts in support brackets. A 3mm (⅛") threaded tapping permits easy installation of air vent, can also serve as a drain

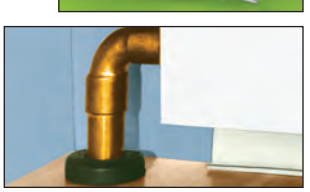
Snap-on, hinged accessories swing up for easy access to air vents and heating element or for removal of the front panel— even when wall material covers the accessory top. Precision piano hinges last for years.

Wire hangers — provide support for bare tube in dummy enclosures or for return tubing above heating element.



Drawn steel end caps and slotted end caps (shown) have elegant rounded edges (instead of welded seams) to give your installation a more distinctive look. Slotted end caps conceal top and front for a more finished look. It has the same appearance as a hinged end cap, except the side is slotted for passage of the tubing.

Riser rings — provide a neat, clean, sanitary seal where risers come up through floor. Wax loaded neoprene acts to cushion expansion squeaks and vibration noises. Split collar allows easy installation at any time, even after connections are made.



Quality enamel finish perfectly matches the baseboard colour to give a harmonious look to your finished job. Every accessory has thick, even paint coverage. No streaks. No splotches. Even the inside is thoroughly protected with paint for years of rust-free beauty. Full back panel on end caps, wall trim etc.

ORDERING DATA

No. 30-75 COMPLETE BASEBOARD PACKAGE

Contains heating element and enclosure. Following items included: expansion cradles, support brackets, damper vane, 51mm (2") wide splice plate with 1524mm (5') lengths and longer.

LENGTHS: 610mm, 914mm, 1067mm, 1219mm, 1524mm, 1829mm, 2134mm, 2438mm (2', 3', 3 1/2', 4', 5', 6', 7', 8')

No. 30-DW ENCLOSURE ONLY PACKAGE

(All parts and lengths as No. 30-75 WITHOUT heating element or expansion cradles.)

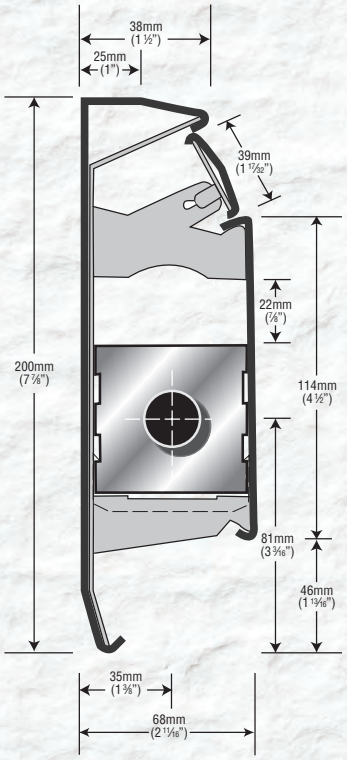
N0. E-75 3/4" ELEMENT ONLY PACKAGE

Heating element with expansion cradles; NO enclosure.

LENGTHS: 610mm, 914mm, 1067mm, 1219mm, 1524mm, 1829mm, 2134mm, 2438mm (2', 3', 3 1/2', 4', 5', 6', 7', 8')

PACKAGING

Each baseboard or enclosure only unit is individually packed—completely assembled—in its own Zip-strip carton, with end flaps clearly marked and colour-coded (See price list for packaging of accessories).



HEATING ELEMENT SPECIFICATIONS: Furnish and install E-75 baseboard heating element as manufactured by Slant/Fin Corporation, consisting of ¾" nominal copper tubing, with 68mm x 54mm x .23mm (2⅝" x 2⅛" x .009") aluminum fins, bent to 58.7mm x 54mm (2 5/16" x 2⅛"), spaced 55 per 305mm (linear foot). A flange with four teeth shall be formed on each fin to increase thermal contact and to space and lock the fins uniformly in place. One end of each element tube shall be expanded to receive the unexpanded end of another, without couplings.

RATINGS (with 18°C (65°F) entering air)

Temp.		Flow Rate		Pressure Drop		Ratings	
°C	°F	l/s	GPM	mm/m	mil.in/ft.	Watts/m	BTUH/ft.
60	140	0.06	1/4	3.76	42	47	525	307	326	320	340
66	150	0.25	1/4	3.76	42	47	525	365	384	380	400
71	160	0.06	1/4	3.76	42	47	525	432	461	450	480
77	170	0.25	1/4	3.76	42	47	525	490	518	510	540
82	180	0.06	1/4	3.76	42	47	525	557	586	580	610
88	190	0.25	1/4	3.76	42	47	525	614	653	640	680
93	200	0.06	1/4	3.76	42	47	525	682	720	710	750
99	210	0.25	1/4	3.76	42	47	525	739	778	770	810
102	215	0.06	1/4	3.76	42	47	525	778	826	810	860
104	220	0.25	1/4	3.76	42	47	525	806	854	840	890

Pressure Drop: 3.76mm/m (47 milinches/ft.) for flow rate of 0.06 l/s (1 GPM); 42mm/m (525 milinches/ft.) for flow rate of 0.25 l/s (4 GPM). Note: Ratings are for element installed with damper open, with expansion glides. Ratings are based on active finned length (76mm, or 3" less than overall length), and include 15% heating effect factor. Use 0.25 l/s (4 GPM) ratings only when flow is known to be equal to or greater than 0.25 l/s (4 GPM); otherwise 0.06 l/s (1 GPM) ratings must be used.

BRACKETS PER LENGTH

Complete assembly and enclosure only

Length (feet) / Length (mm)	2 - 3-1/2 / 610 - 1067	4 - 5 / 1219 - 1524	6 - 8 / 1829 - 2438
Brackets	2	3	4

COVER ASSEMBLY SPECIFICATIONS: Furnish and install Fine/Line 30-75 baseboard cover assembly as manufactured by Slant/Fin Corp. The cover consists of a one-piece bottom, back and top panel, one-piece front panel and one piece damper vane that are formed out of galvanized cold rolled steel. Cold rolled steel that is not galvanized is not acceptable. The galvanized steel makes the cover rust resistant. Bottom and top of back panel shall have channels along entire length to receive full-height support brackets. Brackets shall add support to the top of the rear panel. The factory installed damper vane shall modulate fully and freely, while retaining any setting through its arc. Damper shall swing in position on damper pivots inserted in die-formed slots towards top of support bracket. Roll formed pivot point is not acceptable. All cover components shall be painted in a Nu-White, thermosetting polyester enamel.

Brackets shall be die-formed of re-phosphorized cold rolled steel, for rigid bracing and spring locking. Each length of baseboard shall have a minimum quantity of factory installed brackets per length of baseboard cover as follows: 610mm, 914mm, 1067mm (2', 3' and 3½') have 2 brackets; 1219mm and 1524mm (4' and 5') have 3 brackets; 1828mm, 2134mm and 2438mm (6', 7' and 8') have 4 brackets.

Slide-action polypropylene expansion cradles shall protect element bottom and sides from contact with support brackets and cover, allowing free lateral element expansion for noiseless operation. Cradles shall be installed on heating elements at location of brackets.

Fine/Line 30 Hinged Accessories

END CAP
95mm (3¾") wide, with piano-hinged front panel, closed end. For use at doorways.

Left end cap
95mm (3¾") wide, No. 30-LEC
Right end cap
No. 30-REC

SLOTTED END CAP
95mm (3¾") wide, with piano-hinged front panel, slotted end. For use at wall partitions.

Left slotted end cap
No. 30-LEC-SLOT
Right slotted end cap
No. 30-REC-SLOT

INSIDE CORNER
95mm (3¾) wide, at top, with piano-hinged, contoured front panel.

90° inside corner
No. 30-IC-90
135° inside corner
No. 30-IC-135
91°to 179°field adaptable inside corner No. IC-90

VALVE COVER
203mm (8") wide, with extra wide piano-hinged front panel, closed end. (30-CVC has open ends.)

Left valve cover
No. 30-LVC
Right valve cover
No. 30-RVC
Center valve cover
No. 30-CVC

ZONE VALVE BOX
241mm (9½") wide, 229mm (9") high, 89mm (3½") deep, with piano-hinged front panel. Houses most motorized valves. (Slotted shown)

Left zone
valve box
No. 30-LZVB
Right zone
valve box
No. 30-RZVB

FILLER SLEEVE
Cover gaps from 25 to 152mm (1" to 6") or 25 to 305mm (1" to 12") Includes back, top and front panels and damper vane.

178mm (7") filler sleeve
No. 30-FS-7

356mm (14") filler sleeve
No. 30-FS-14

SPLICE PLATE SET
51mm (2") wide.

Splice plate set
No. 30-SP

OUTSIDE CORNER
One-piece unit without hinged panels.

90°outside corner
No. 30-OC-90
135° outside corner
No. 30-OC-135

ONE PIECE SPLICE PLATE AND WALL TRIM
51mm (2") or 4" solid (non-hinged), with open ends. For use at left or right wall partitions as one-piece filler sleeve.

51mm (2") one piece splice plate
No. SP-2" (1 pc)
102mm (4") solid wall trim No. 30-WT-4
51mm (2") wide free with 1534mm, 1829mm 2438mm (5' 6' & 8')
30A packages

Touch-Up Paint
133 ml (4.5 oz.) touch up paint - spray can

Since 1949 Slant/Fin BOILERS & BASEBOARD
The Only Name You Want Heating Your Home

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