

NST-800

Submittal Data

High Capacity
Baseboard Radiation

ENCLOSURE:

STYLE : "NST-800"

COLOR: White

FRONT: 18-Ga. Roll Formed
Prepainted Steel

BACKPLATE: 22-Ga. Roll Formed
Prepainted Steel

DAMPER VANE: Roll Formed
Prepainted Steel

ELEMENT:

TYPE: Cu/Al Mechanically
Expanded
Flared One End

FINS: 2-3/4" x 2-1/2"

FINS/FT: 3/4" - 60
1" - 55

BRACKETS:

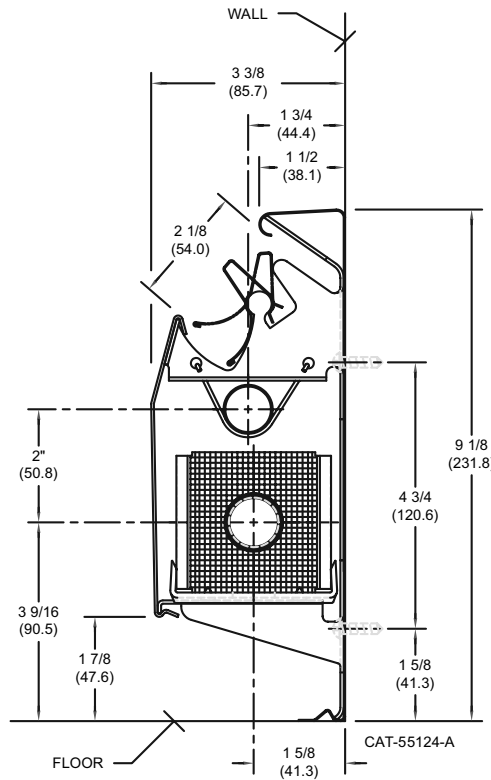
Die Formed 16-Ga.
Prepainted Steel

SLIDE SHOES:

High Temperature
Nylon Snap On

ACCESSORIES:

All Overlapping
with Snap On Fit and
Powder Coat Finish



NOTE: DIMENSIONS IN "()" ARE
SHOWN IN MILLIMETERS.

RATINGS

MODEL	GPM	AVERAGE HOT WATER TEMPERATURE - BTU/HR./LIN. FT.						
		120°F	130°F	140°F	150°F	160°F	170°F	180°F
800 3/4"	4	308	386	470	560	650	750	850
	1	292	366	445	530	620	710	800
800 1"	4	297	373	454	540	630	730	820
	1	281	352	428	510	600	690	780



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A MESTEK COMPANY



04/19

PROJECT: _____ DATE: _____

LOCATION: _____

ARCHITECT: _____

ENGINEER: _____

CONTRACTOR: _____

PO NUMBER: _____

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CORRECTION FACTORS

If the calculated water flow rate through a baseboard is greater than the standard flow rate (1 GPM), the rating of that unit may be increased by multiplying the standard water rating at 1 GPM by the factor shown for the actual flow rate. All ratings based on 65°F entering air temperature.

WATER FLOW CORRECTION FACTORS

G.P.M.	Heat Output Factor	Pressure Drop – Millinches Per Ft.	
		Copper Element Tube Size	
		3/4"	1"
1.0	1.000	47	13
1.5	1.016	96	26
2.0	1.028	157	43
2.5	1.038	230	63
3.0	1.045	320	87
3.5	1.051	420	114
4.0	1.057	525	145
4.5	1.062	650	178
5.0	1.067	775	216
6.0	1.074	1060	290

SPECIFICATION

Furnish and install where shown on all plans/drawings, Vulcan NST-800 Finned Tube Enclosure and Element as described or approved equal of both quality and BTU capacity.

The front panel of the baseboard radiator enclosure, as called out NST-800, will be manufactured from 18-gauge pre-painted galvanized. The backplate will be manufactured from 22-gauge pre-painted galvanized. All lateral bends are to be roll formed to ensure continuity of all adjoining enclosures and accessories. The enclosure lengths are to be provided in 12 inch increments from 2 feet through 8 feet long. The front panel is to be fully engaged onto mounting brackets engaged with the back panel. A panel joiner piece is to be used where two pieces of enclosure are adjoining each other in a run. This is to be supplied in each 5', 6' and 8' assembly package.

All accessories will be die formed 20-gauge cold rolled steel and finished with a powder coat finish. The accessories will overlap the installed enclosure and are to provide adjustment for make-up in the installed runs of enclosure. The accessories will extend to the floor. The accessories are to be enclosure height.

The brackets are to be of a one piece, die formed construction. The material is to be 16-gauge pre-painted bonderized C.R.S. The bracket is to be self locating for vertical positioning at installation. The bottom horizontal leg is to snap into bottom bend of the enclosure and is to support the element where slide shoes are located.

All elements are to be of the mechanically expanded type to ensure that proper fin to tube bonding is maximized. Copper/Aluminum elements are to be provided with one end mechanically swaged (flared) for proper assembly.

In the interest of product improvement, we reserve the right to make changes without notice.