

Tamarack Technologies

Perfect Balance

In-Door Return Air Pathway (R.A.P.)



STEP 1
LAYOUT
TEMPLATE



STEP 2
CUT DOOR



STEP 3
ATTACH
PERFECT
BALANCE



PRESSURE
BALANCED!

OUTSIDE DIMENSIONS SPECIFICATIONS

Product Length:	27 1/4"
Grille Length:	25"
Height:	4 3/4"
Depth:	1 5/8"
Color:	White (Paintable)

Fits doors 1 3/8" thick only.
Rough Opening 24" x 4"

Tamarack Technologies will honor all new door manufacturers limited warranties when installing the Perfect Balance® Door R.A.P.. In Fact, we will DOUBLE the warranty period from 1 year to 2 years. (Please visit the appropriate door manufacturer's website for their specific warranty details).



MASONITE INTERNATIONAL, TESTED
AND APPROVED THE PERFECT
BALANCE® FOR USE IN THEIR
"SAFE N' SOUND™ INTERIOR DOOR

PATENTED

FineHomebuilding

AS SEEN IN "FINE
HOMEBUILDING"
MAGAZINE

In-Door Return Air Pathway (R.A.P.)

The R.A.P. is the inexpensive alternative to costly jump ducts or dedicated room fresh air returns.

- Eliminates pressure imbalances
- Allows HVAC systems to run more efficiently and reduce energy consumption
- Inexpensive, easy to install, no moving parts
- Internal noise and light diminishing baffle
- Durable, high impact ABS plastic
- Made in the USA
- Improved bathroom fan performance
- Lifetime guarantee

Part #	Qty	Shipping Dimensions	Act Wt (lbs./oz.)	Dim Wt (lbs.)	Individually Boxed
TTi-RAP-Di	1	28 x 5 x 2	1.7	2	Yes
TTi-RAP-D3	3	28 x 5 x 6.5	4.5	5	Yes
TTi-RAP-D18	18	28 x 22 x 10	27.2	38	Yes
TTi-RAP-D25	25	28 x 22 x 10	27.2	38	No-Bulk

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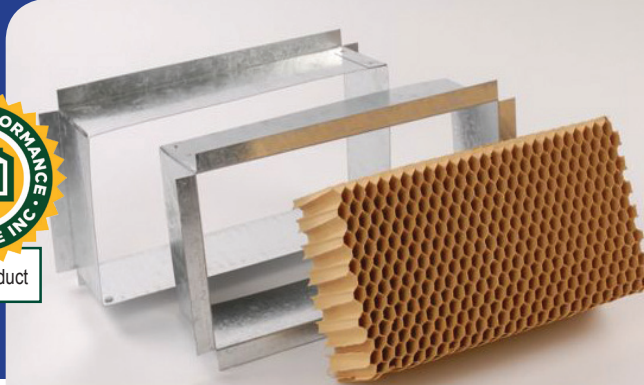
www.tamtech.com
800-222-5932



R.A.P. for Healthy Air Pressure Balance



One Piece Frame for New 2x4 Construction



Two Piece Frame for Existing Construction

New Const. Wall R.A.P. Specifications

Sizes	Rough Opening	Grille Dimensions	Flange Dimensions	Air Flow 5 Pascals
12.4N	12 $\frac{1}{8}$ " x 4 $\frac{1}{8}$ "	13 $\frac{3}{4}$ " x 5 $\frac{3}{4}$ "	14 $\frac{1}{8}$ " x 6"	61 CFM
12.6N	12 $\frac{1}{8}$ " x 6 $\frac{1}{8}$ "	13 $\frac{3}{4}$ " x 7 $\frac{3}{4}$ "	14 $\frac{1}{4}$ " x 8 $\frac{1}{4}$ "	82 CFM
12.12N	12 $\frac{1}{8}$ " x 12 $\frac{1}{8}$ "	13 $\frac{3}{4}$ " x 13 $\frac{3}{4}$ "	14" x 14"	174 CFM
14.6N	14 $\frac{1}{8}$ " x 6 $\frac{1}{8}$ "	15 $\frac{3}{4}$ " x 7 $\frac{3}{4}$ "	16" x 7 $\frac{3}{4}$ "	117 CFM
14.8N	14 $\frac{1}{8}$ " x 8 $\frac{1}{8}$ "	15 $\frac{3}{4}$ " x 9 $\frac{3}{4}$ "	16" x 9 $\frac{3}{4}$ "	146 CFM

All dimensions tolerance +.125"/-.000"

Retrofit Wall R.A.P. Specifications

Sizes	Rough Opening	Grille Dimensions	Flange Dimensions	Air Flow 5 Pascals
12.4R	12 $\frac{1}{8}$ " x 4 $\frac{1}{8}$ "	13 $\frac{3}{4}$ " x 5 $\frac{3}{4}$ "	13 $\frac{1}{2}$ " x 5 $\frac{1}{2}$ "	61 CFM
12.6R	12 $\frac{1}{8}$ " x 6 $\frac{1}{8}$ "	13 $\frac{3}{4}$ " x 7 $\frac{3}{4}$ "	13 $\frac{1}{2}$ " x 7 $\frac{1}{2}$ "	82 CFM
12.12R	12 $\frac{1}{8}$ " x 12 $\frac{1}{8}$ "	13 $\frac{3}{4}$ " x 13 $\frac{3}{4}$ "	13 $\frac{1}{2}$ " x 13 $\frac{1}{2}$ "	174 CFM
14.6R	14 $\frac{1}{8}$ " x 6 $\frac{1}{8}$ "	15 $\frac{3}{4}$ " x 7 $\frac{3}{4}$ "	15 $\frac{1}{2}$ " x 7 $\frac{1}{2}$ "	117 CFM
14.8R	14 $\frac{1}{8}$ " x 8 $\frac{1}{8}$ "	15 $\frac{3}{4}$ " x 9 $\frac{3}{4}$ "	15 $\frac{1}{2}$ " x 9 $\frac{1}{2}$ "	146 CFM

All dimensions tolerance +.125"/-.000"

New Construction Shipping

Size	Shipping Dimensions	New Actual Wt (lbs./oz.)	New Dim Wt (lbs./oz.)
12.4N	15 x 9 x 7	3.8	4
12.6N	15 x 9 x 7	4.0	4
12.12N	15 x 15 x 7	6.8	7
14.6N	17 x 9 x 7	4.6	5
14.8N	17 x 11 x 7	6.4	7

Retrofit Shipping

Size	Shipping Dimensions	Retrofit Actual Wt (lbs./oz.)	Retrofit Dim Wt (lbs./oz.)
12.4R	15 x 9 x 7	4.0	4
12.6R	15 x 9 x 7	4.4	4
12.12R	15 x 15 x 7	7.4	8
14.6R	17 x 9 x 7	4.9	5
14.8R	17 x 11 x 7	6.7	7



- Economical
- Easy Installation
- Innovative Design
- No Mechanical Parts
- Made in the USA
- Dampens Light and Sound
- The Door R.A.P. fits Standard 1 $\frac{3}{8}$ hollow core door



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