



Ventilated Doors

Optimized Airflow and Privacy

A Ventilation System Disguised as a Door

The innovation design of VanAir door ventilates indoor air in energy efficient buildings without the need for unsightly transfer vents, door grilles, and undercuts.

Its unique, patented design includes a through-the-door channel that provides airflow equivalent of a 12x12" grille but also provides the sound privacy of a solid core door with a lab-tested STC 26 rating.

Use for swing, pocket, double, bypass, and sliding applications. Compatible with residential and commercial hardware.



AIRFLOW CHANNEL

Staggered slots on opposing faces form a discreet and elegant ventilation pathway.



SOUND ABSORPTION

Carefully selected materials and tuned resonators absorb sound.

800.394.1993 ■ 214.381.2121
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THE VANAIR CORE

1 VENTILATION CHANNEL

Staggered slots on opposing faces form a discreet and elegant ventilation channel.

2 OPTIMIZED AIRFLOW AND ACOUSTICS

Two distinct arrays of radiused apertures form openings for airflow and sound absorption. Larger apertures facilitate air flow, while smaller apertures capture sound.



3 HELMHOLTZ RESONATORS

The smaller sound apertures are backed by larger cavities in door to form sound-absorbing resonators. The dimensions of the apertures and cavity are precisely tuned to reflect and cancel sound waves.

4 SOUND ABSORPTION

Carefully selected materials line the ventilation channel and fill the resonators.

5 SLOT DETAILS

A back chamfer at the slot edge optimizes air flow and aesthetics. Veneered doors feature matching wood in the slot for a seamless look.

1 3/8

DW STOCKING
THICKNESS

1 3/4

SPECIAL
ORDER ONLY

X-REF	SIZE	THICKNESS	DESCRIPTION
14S	2-0 x 6-8	1-3/8"	Primed Hardboard Hollow Core
14T	2-4 x 6-8	1-3/8"	Primed Hardboard Hollow Core
14V	2-6 x 6-8	1-3/8"	Primed Hardboard Hollow Core
14W	2-8 x 6-8	1-3/8"	Primed Hardboard Hollow Core
14Z	3-0 x 6-8	1-3/8"	Primed Hardboard Hollow Core

Pre-hung VanAir Doors Available Through eMerge

Additional sizes, styles, and species available through DW via special order.

See www.vanairdesign.com for all options.

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