

QuietTest Twin Blower Ventilator

(For Ceiling Use)

MODEL: QT300

DESCRIPTION

- Sturdy brown-enamel steel housing is lined with sound-deadening foam for quiet operation.
- Low RPM motor plugs into prewired junction box.
- Motor and twin blowers dynamically balanced for smooth, quiet operation.
- Vents horizontally or vertically with 3¹/₄" x 10" duct. Duct collar with quiet backdraft damper included.
- Installs easily between 16" O.C. joists with slotted mounting brackets. Slots on housing sides provide alternative mounting.
- Wiring knockouts located on top and back of housing.
- Purchase a NuTone Solid-State Speed Control separately.
- Refer to NuTone's catalog for a complete line of accessories to effectively adapt this fan to your construction requirements.

DESIGN FEATURES

HVI Air Delivery: 300 CFM (142 L/s) at .10" S.P.

HVI Sound Level: 64 dBA (4.5 Sones.)

Dimensions: **Housing:** 14¹/₄" L x 10" W x 9" D.
Grille: 16¹/₂" L x 12³/₃₂" W x 5⁵/₈" D.

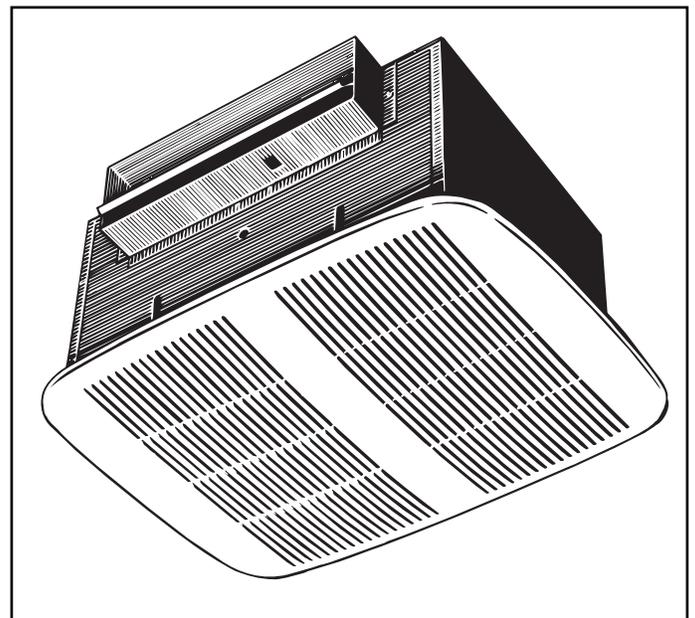
Material & Finish: **Housing:** Cold rolled steel, baked enamel.
Grille: White Polymeric.

Motor: Fully encased, plug-in, thermally protected, 120v AC, 60 Hz, 2.5 Amp.

Blower Wheel: Zinc plated steel, electronically balanced, 5¹/₄" O.D. x 3¹/₈".

Duct Size: 3¹/₄" x 10".

Electrical Rating: 16¹/₂" x 12³/₃₂" x 5⁵/₈"



INSTALLATION

- Not for use in kitchens.
- Housing installs in ceiling between 16" O.C. joists with no framing. With 24" O.C. joist construction, framing is necessary. In a new construction application, the power unit and grille should be installed after the finished ceiling is in place. The power unit mounts with hanger rods.
- Do not mount over range, bathtub or shower stall.
- Installation Instructions are provided with each unit.

ARCHITECT'S SPECIFICATIONS

Twin-Blower Ventilator shall be Model QT300 as manufactured by NuTone according to listed specifications. Unit shall ventilate 300 CFM (142 L/s) at .10" S.P. at a sound level of 64 dBA (4.5 Sones). Housing shall be 3¹/₄" x 10" and connect to 3¹/₄" x 10" duct.

CERTIFIED TEST DATA

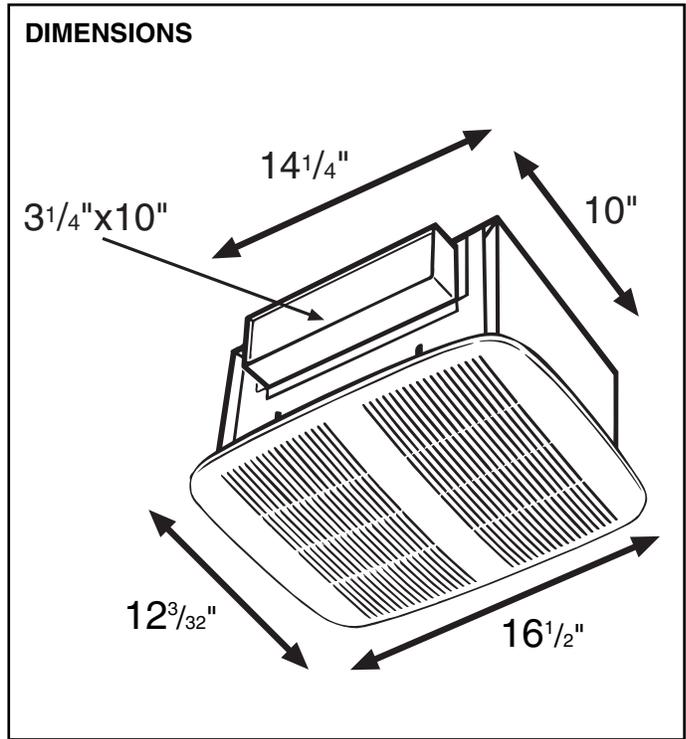


HVI-2100 CERTIFIED RATINGS comply with new testing technologies and procedures prescribed by the Home Ventilating Institute, for off-the-shelf products, as they are available to consumers. Product performance is rated at 0.1 in. static pressure, based on tests conducted in AMCA's state-of-the-art test laboratory. Sones are a measure of humanly-perceived loudness, based on laboratory measurements. This NuTone model is listed by Underwriters' Laboratories Inc. and Certified by the Canadian Standards Association (CSA.)

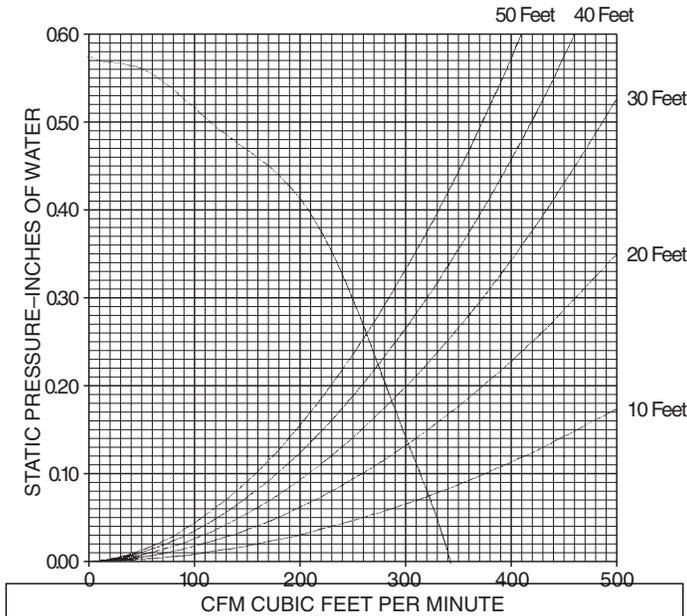
The air delivery of a ventilating system may be determined by:

1. Determine the equivalent duct length for each 90 degree elbow by adding one foot of duct length for each inch of duct diameter, i.e., a 4 inch diameter duct elbow equals 4 feet equivalent duct length and an 8 inch diameter duct elbow equals 8 feet equivalent duct length.
2. Add the total straight length of duct and the equivalent length for each elbow to obtain the total equivalent duct length.
3. Locate the intersection of the fan performance curve and the total equivalent duct length curves and draw a vertical line down to the CFM scale and read the system air performance.

(NOTE: 3 1/4" x 10" duct equals 6 inch diameter duct.)

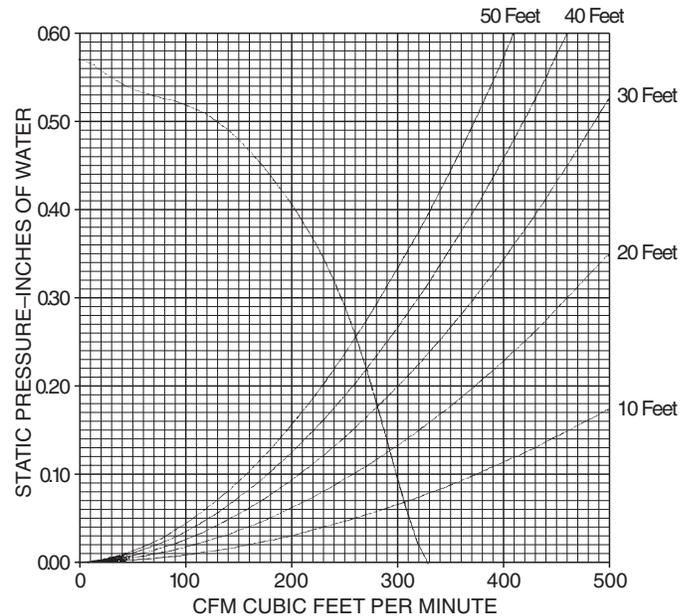


AIR PERFORMANCE CURVE – Horizontal
(6 In. Duct to 10 Foot Lengths)



STATIC PRESSURE INCHES OF WATER	0.05	0.1	0.15	0.2	0.25	0.3	0.35	0.4	0.45
CFM	330	313	300	280	267	250	230	208	160

AIR PERFORMANCE CURVE – Vertical
(6 In. Duct to 10 Foot Lengths)



STATIC PRESSURE INCHES OF WATER	0.05	0.1	0.15	0.2	0.25	0.3	0.35	0.4	0.45
CFM	312	300	288	276	264	250	230	202	172

Product specifications subject to change without notice.