

Recessed Ceiling Blower

QuietTest Fan

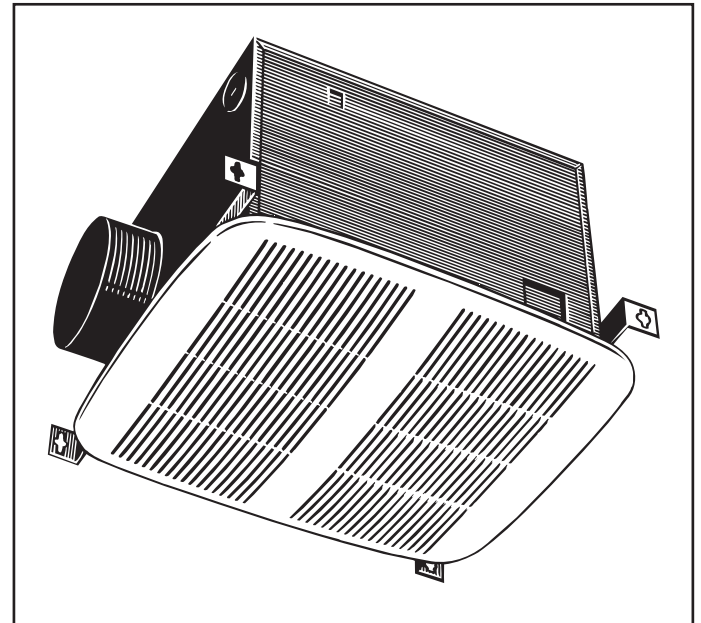
MODEL: QT90

DESCRIPTION

- For bathrooms up to 85 sq. ft., other rooms up to 115 sq. ft.
- Suitable for shower/tub enclosure when used with GFI branch circuit wiring.
- White polymeric grille held firmly in place with torsion springs.
- Centrifugal blower wheel is electronically balanced for smooth, quiet operation.
- Built-in non-metallic damper quietly helps prevent backdraft.
- Motor is cushioned with vibration isolators.
- Prewired outlet box is built into housing; features a plug-in receptacle.
- Choice of two (2) knockouts for wiring entrance.
- Suitable for use with Solid-State Speed Control. Speed Control must be purchased separately; refer to NuTone's catalog.
- Adjustable hanger brackets for mounting between ceiling joists 16" O.C.
- Uses 4" duct.
- Refer to NuTone's catalog for a complete line of accessories to effectively adapt these fans to your construction requirements.

DESIGN FEATURES

HVI Air Delivery:	90 CFM at .1" S.P.
HVI Sound Level:	2.0 Sones.
Dimensions:	Housing: 9 $\frac{3}{8}$ " x 11 $\frac{1}{4}$ " 7 $\frac{7}{8}$ ". Grille: 14 $\frac{1}{4}$ " x 12 $\frac{1}{16}$ ".
Material & Finish:	Housing: Cold rolled steel, baked-on enamel finish. Grille: White Polymeric.
Motor:	Shaded four-pole (round), plug-in, 115 volts AC, 60Hz; .5 amps.
Blower Wheel:	Metal, centrifugal, electronically balanced. 5 $\frac{3}{4}$ " dia. x 2" wide.
Duct Size:	4" diameter.



INSTALLATION

- Not for use in kitchens.
- Housing installs in ceiling to 16" on center joists with adjustable brackets. In existing construction, the unit requires a 9 $\frac{1}{2}$ " x 11 $\frac{1}{2}$ " cutout.
- Motor/blower wheel assembly and grille are installed when finished ceiling is in place.
- Grille snaps into place and is held securely with torsion springs.
- Switches are sold separately. Complete installation instructions included with each unit.

ARCHITECT'S SPECIFICATIONS

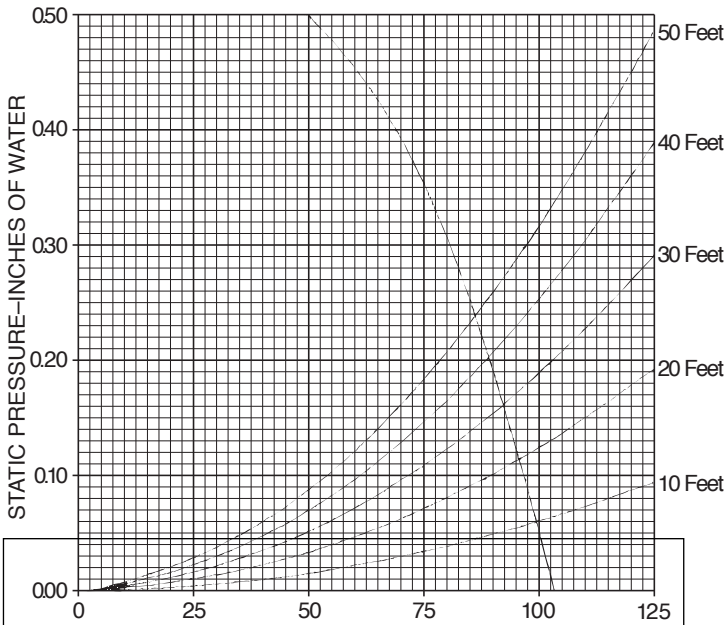
Exhaust Fan shall be Model QT90 as manufactured by NuTone according to listed specifications.

CERTIFIED TEST DATA

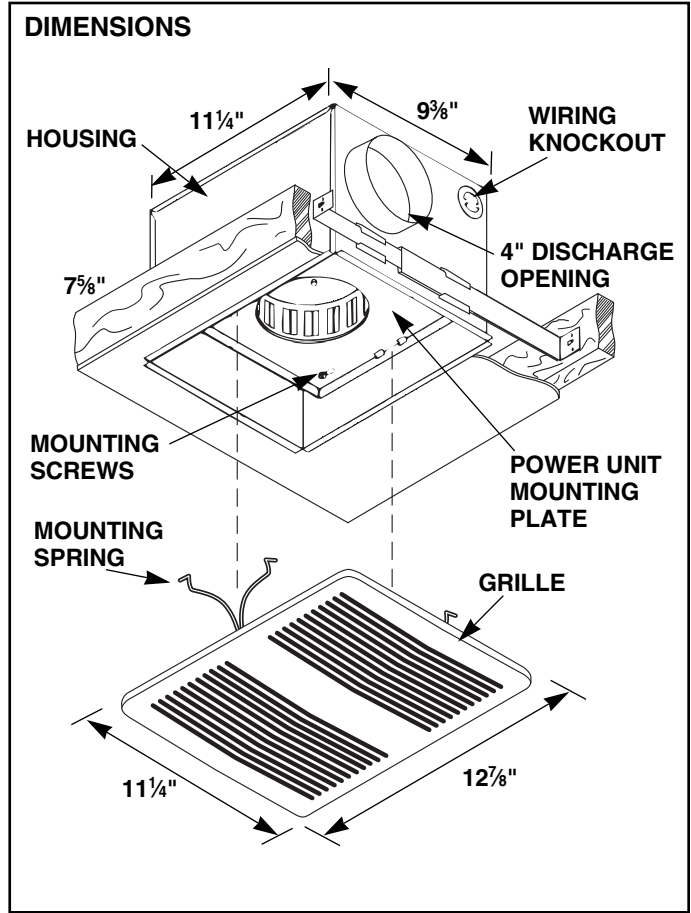


HVI-2100 CERTIFIED RATINGS comply with new testing technologies and procedures prescribed by the Home Ventilating Institute, for off-the-shelf products, as they are available to consumers. Product performance is rated at 0.1 in. static pressure, based on tests conducted in AMCA's state-of-the-art test 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.)

AIR PERFORMANCE CURVE
(4 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	101	97	94	89	85	81	75	68	60



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

Product specifications subject to change without notice.