

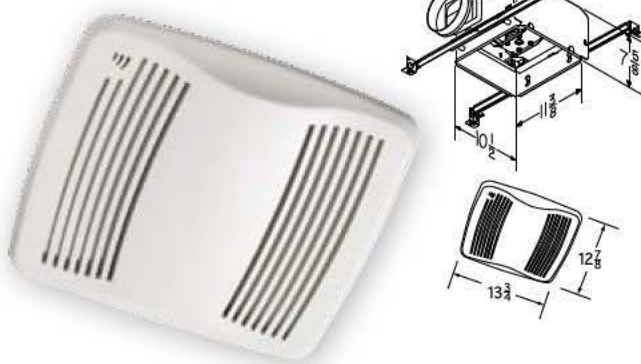
# QT Series™ Fans and Fan/Lights—Humidity Sensing

**QT Series™ Humidity Sensing Fans with Sensaire® Technology.** Broan Sensaire® technology is a hands-free solution to fighting excess humidity and possible mold problems. It detects rapid increases in moisture levels at the ceiling, where steam and humidity naturally rise, and automatically turns the fan on. With a fan this quiet, we included automatic shutoff to save worry, and money. Broan Sensaire® technology is a perfect solution for high traffic bathrooms, the kids' bathroom, or for anyone who leaves the house before humidity is properly vented.

## QTXE and QTRE Sensing Fan Features

- Detects a rapid rise in humidity
- Humidity is sensed at the ceiling level
- QTXE110S features easily accessible sensitivity adjustment
- Easy-to-set shut-off timer: 5–60 minutes on QTXE110S
- Auto shut-off timer: 20 minutes on QTRE100S
- Fits 2" x 8" ceiling construction
- UL Listed for use over bathtub and shower when connected to a GFCI protected branch circuit
- Includes hanger bar system for fast and flexible installation for all types of construction
- ENERGY STAR® qualified
- HVI Certified

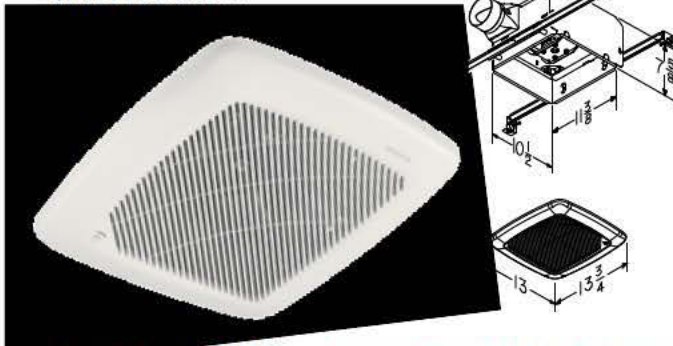
### QTXE110S Model




### QTX110SL & QTXE110SFLT Models



### QTRE100S Models




Model	CFM	Sones	Light/ night light	Energy Star	Duct
QTXE110SFLT	110	0.7	2-18W / 4W	Yes	6"▲
QTX110SL	110	0.9	100W / 4W	—	6"▲

 ENERGY STAR® fans use 65% less energy, on average, than standard models and may qualify for local utility rebates.  
▲ See page 56 for 6" ducting (DT6W) product specifications.



Fan Model	CFM	Sones	Energy Star	Bath Sq. Ft.	Ducting
QTXE110S	110	0.7	Yes	100	6"▲
QTRE100S	100	1.5	Yes	90	4"

 ENERGY STAR® fans use 65% less energy, on average, than standard models and may qualify for local utility rebates.  
▲ See page 56 for 6" ducting (DT6W) product specifications.



**Hands-free solutions to fighting excess humidity and mold.** Broan's humidity sensing fan/light turns the fan on and off automatically to help prevent cosmetic and possible mold problems associated with excess moisture.

- Detects a rapid rise in humidity
- Humidity is sensed at the ceiling level
- Sensitivity level is adjustable
- Easy-to-set shut-off timer: 5–60 minutes
- UL Listed for use over tub or shower when installed in a GFCI protected branch circuit
- Includes hanger bars for fast, flexible installation in all types of construction
- HVI Certified
- Fits 2"x 8" ceiling construction

# Specifications

## Fans

	Page	CFM	Sones, HVI-certified	Baths up to ( ) Sq Ft	ENERGY STAR®	Duct Size"	Housing Dims			Grille Dims		Grille finish	Amps
							L"	W"	H"	L"	W"		
670	29	50	3.5	45	—	3	7¼	7½	3%	9	9¼	White Polymeric	0.8
671	29	70	6.0	65	—	3	7¼	7½	3%	9	9¼	White Polymeric	1.2
676	29	110	4.0	100	—	4	8	8¼	5%	10%	11%	White Polymeric	1.3
682	31	—	—	—	—	Duct-free	7¼	7½	3%	8½	8½	White Polymeric	1.0
684	29	80	2.5	75	—	4	8	8¼	5%	10%	11%	White Polymeric	0.5
688	29	50	4.0	45	—	3	7¼	7½	3%	9	9¼	White Polymeric	0.9
689	29	60	5.5	55	—	3	7¼	7½	3%	9	9¼	White Polymeric	1.5
690*	31	60	3.0	55	—	—	—	—	—	9%	11%	White Polymeric	1.5
LP80	28	80	1.1	75	Yes	4 / 3	11%	10%	4	13	14	White Polymeric	0.3
770	28	50	1.5	45	Yes	4	8	8¼	5%	10%	11%	White Polymeric	0.2
784	28	80	2.0	75	Yes	4	8	8¼	5%	10%	11%	White Polymeric	0.5
HD50	30	50	1.5	45	Yes	4	8	8¼	5%	10%	10¼	White Painted Metal	0.4
HD50RDF**	30	50	1.5	45	Yes	4	8	8¼	5¼	10¼	10¼	White Acrylic Metal	0.4
HD80	30	80	2.5	75	—	4	8	8¼	5%	10%	10%	White Painted Metal	0.6
HD80RDF**	30	80	2.5	75	—	4	8	8¼	5¼	10¼	10¼	White Acrylic Metal	0.6
80RDF**	30	80	2.5	75	—	4	8	8¼	5¼	10¼	10¼	White Acrylic Metal	0.6
110RDF**	30	110	4.0	105	—	4	8	8¼	5¼	10¼	10¼	White Acrylic Metal	0.6
QTXE050	20	50	<0.3	45	Yes	6	11%	10%	7%	13	14	White Polymeric	0.3
QTXE080	20	80	0.3	75	Yes	6	11%	10%	7%	13	14	White Polymeric	0.4
QTXE110	20	110	0.7	100	Yes	6	11%	10%	7%	13	14	White Polymeric	0.3
QTXE110S	22	110	0.7	100	Yes	6	11%	10½	7%	12%	13¼	White Polymeric	0.3
QTXE150	20	150	1.4	140	Yes	6	11%	10%	7%	13	14	White Polymeric	0.5
QTRE100S	22	100	1.5	90	Yes	4	11%	10½	7%	12%	13¼	White Polymeric	0.3
QTRE080	20	80	0.8	75	Yes	4	11%	10%	7%	13	14	White Polymeric	0.4
QTRE080C2S	20	80/40	0.8/<0.3	75	Yes	4	11%	10%	7%	13	14	White Polymeric	0.3
QTRE080R	23	80	0.8	75	Yes	4	11%	10%	7%	13	14	White Polymeric	0.3
QTRE110	20	110	1.3	100	Yes	4	11%	10%	7%	13	14	White Polymeric	0.3
QTR080	20	80	1.0	75	—	4	11%	10%	7%	13	14	White Polymeric	0.7
QTR110	20	110	1.5	100	—	4	11%	10%	7%	13	14	White Polymeric	0.9
SSQTXE080	25	80	—	—	Yes	—	11%	10%	7¼	—	—	—	—
SSQTXE110	25	110	—	—	Yes	—	11%	10%	7¼	—	—	—	—
XB50	17	50	<0.3	45	Yes	6 / 4	10%	11%	7%	13	14	White Polymeric	0.1
XB80	17	80	<0.3	75	Yes	6 / 4	10%	11%	7%	13	14	White Polymeric	0.1
XB110	17	110	<0.3	100	Yes	6	10%	11%	7%	13	14	White Polymeric	0.2
XB110H	17	110	<0.3	100	Yes	6	10%	11%	7%	13%	14	White Polymeric	0.2
ZB80	17	80	<0.3	75	Yes	6 / 4	10%	11%	7%	13	14	White Polymeric	0.1
ZB80M	17	80	<0.3	75	Yes	6 / 4	10%	11%	7%	13%	14	White Polymeric	0.1
ZB110	17	110	<0.3	100	Yes	6	10%	11%	7%	13%	14	White Polymeric	0.2
ZB110H	17	110	<0.3	100	Yes	6	10%	11%	7%	13%	14	White Polymeric	0.2
ZB110M	17	110	<0.3	100	Yes	6	10%	11%	7%	13%	14	White Polymeric	0.2

Radiation Dampers can be found on page 30. \*Replacement grille and motor kit. \*\*Model RDA fan housing only sold separately for radiation dampers/fans.

## Utility Fans

	Page	CFM	Sones	Housing Dimensions			Grille Dimensions		Amps	Duct
				L"	W"	H"	L"	W"		
502	38	270	8.0	16%	13%	3¼	13½ Sq	1.7	3¼" x 10"	
503	38	160	5.0	14	12	3¼	11½ Sq	1.5	3¼" x 10"	
504	39	350	6.5	—	10¼ Rd	7	13½ Sq	1.7	10"	
505	39	180	6.5	—	8" Rd	7	11½ Sq	1.5	8"	
506	38	470	8.0	—	10¼ Rd	—	13½ Sq	1.7	Direct Discharge	
507	38	250	7.0	—	8" Rd	—	11½ Sq	1.5	Direct Discharge	
508	39	270	6.0	—	10¼ Rd	—	13½ Sq	1.7	Direct Discharge	
509	39	180	6.5	—	8" Rd	—	13½ Sq	1.5	Direct Discharge	
509S	39	180	6.5	—	8" Rd	—	13½ Sq	1.5	Direct Discharge	
510	38	380	6.5	—	11½ Sq	—	13½ Sq	1.7	Room to room wall fan	
511	38	180	4.5	—	11½ Sq	—	13½ Sq	0.9	Room to room wall fan	
512	39	90	3.5	—	6 Rd	—	8 Dia	0.7	Room to room wall fan	
512M	39	70	3.5	—	6 Rd	—	8 Dia	0.7	Direct Discharge	
673	39	60	4.5	—	6¼ Rd	5¼	8 Dia	1.0	6"	
12C	39	360	8.0	—	11½ Sq	—	13½ Sq	1.7	Direct Discharge	