

# To build a code-compliant home, understand today's ventilation requirements.

The American Society of Heating, Refrigeration and Air Conditioning Engineers set the ventilation standard for low-rise residential buildings with ASHRAE 62.2. It established the minimum standard for spot ventilation of bathrooms at 50 CFM delivered airflow at 3.0 Sones or less, and specifies requirements for whole-house ventilation at a max sound rating of 1.0 Sone for ventilation fans.

## Use these tables to find whole-house solutions that help meet ASHRAE 62.2.

Fan Series	Model	CFM	Sones	Page No.
ULTRA Green® Multi Speed	ZB80	80	<0.3*	22
	ZB80M	80	<0.3*	21
	ZB110	110	<0.3	22
	ZB110H	110	<0.3	21
	ZB110M	110	<0.3	21
ULTRA Green® Single Speed	XB50	50	<0.3	22
	XB80	80	<0.3*	22
	XB110	110	<0.3	22
	XB110H	110	<0.3	21
ULTRA Pro®	RB80	80	<0.3	23
	RB110	110	0.6	23
QTXE™ SmartSense®**	QTXE080	80	0.3	17
	QTXE110	110	0.7	17
	SSQTXE080	80	0.3	19
	SSQTXE110	110	0.7	19
LoProfile	LP80	80	1.0	33
Flex Series™	AE50	50	0.5	11
	AE80	80	0.7	11
	AE110	110	1.0	11

Fan/Light Series	Model	CFM	Sones	Page No.
ULTRA Green® Multi Speed	ZB80L1	80	<0.3*	22
	ZB80ML1	80	<0.3*	21
	ZB110L1	110	<0.3	22
	ZB110HL1	110	<0.3	21
	ZB110ML1	110	<0.3	21
ULTRA Green® Single Speed	XB50L1	50	<0.3	22
	XB80L1	80	<0.3*	22
	XB110L1	110	<0.3	22
	XB110HL1	110	<0.3	21
ULTRA Pro®	RB80L1	80	<0.3	23
	RB110L1	110	0.8	23
QTXE™	QTXE080FLT	80	0.3	16
	QTXE110FLT	110	0.7	16
Flex Series™	AE80L	80	0.7	10
	AE110L	110	1.0	10

ENERGY STAR® fans use 70% less energy, on average, than standard models and may qualify for local utility rebates



\*With 6" duct (0.3 Sones with 4" duct)  
\*\*SmartSense Models: SSQTXE080 and SSQTXE110 (see page 19)



### With CODE-KEY, select compliant ventilation solutions with confidence.

- Choose state, home size facts and user preferences
- Get recommended ventilation products instantly
- Change parameters to see a range of options
- Open a browser on any device and go—it's easy





**General Features & Benefits**

- Extremely quiet operation with innovative sound reduction technologies
- QStream™ technology features airflow-smoothing baffles to reduce turbulence
- Optional RDFU Premium Radiation Damper Kit available for RB models



**RB80L1, RB110L1**



**RN80L, RN110L**



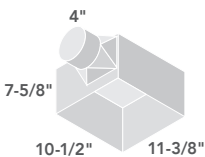
**RB80, RB110**



**RN80, RN110**

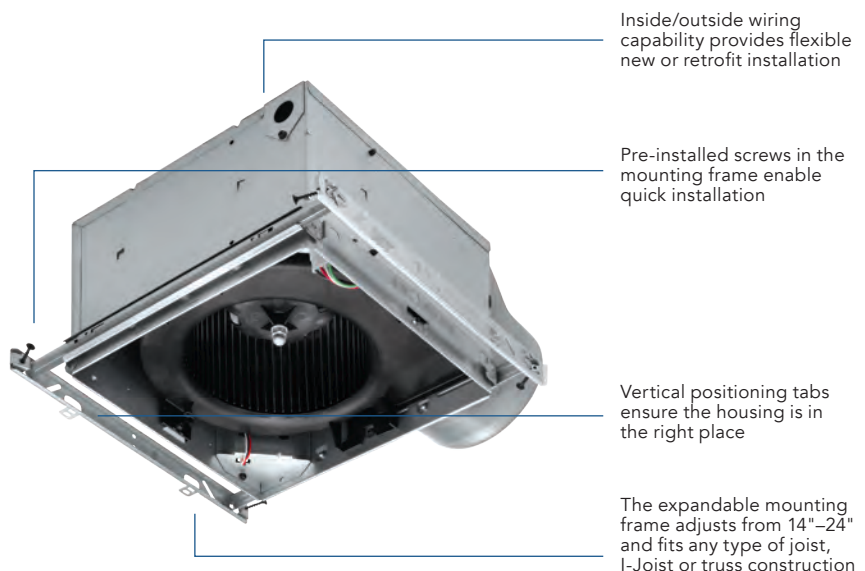
Broan Model	NuTone Model	CFM	Sones	Light	Duct	ENERGY STAR®	Broan Cover Size	NuTone Cover Size
RB80L1	RN80L	80	<0.3	LED	4	Yes	13¾ x 14¼	14 x 13
RB110L1	RN110L	110	0.8	LED	4	Yes	13¾ x 14¼	14 x 13
RB80	RN80	80	<0.3	—	4	Yes	13¾ x 13	14 x 13
RB110	RN110	110	0.6	—	4	Yes	13¾ x 13	14 x 13

ENERGY STAR® fans use 70% less energy, on average, than standard models and may qualify for local utility rebates



**ULTRAQUICK®  
INSTALLATION TECHNOLOGY**

ULTRA® Ventilation Fans are engineered to be the fastest, easiest, most universal installation in remodel, retrofit or new construction—in any type of joist or truss system. Exclusive features simplify installation to save valuable time and money.





<b>Broan</b>		69W	P2RW	P3RW	77DV, 77DW	82A, 82W	DD500W	MS100W	SC100W	CD60W	DT100W
<b>Ventilation Fans</b>	670, 671, 688, 689	•				•	•	•	•	•	•
	E050, E070	•				•	•	•	•	•	•
	LP80, LP110	•				•	•	•	•	•	•
	LP50100DC	•				•	•	•		•	•
	AE50, A80, A80HD, AE80, AE80B, A110, AE110, AE80K, AE110K	•				•	•	•	•	•	•
	AE80S, AE110S	•	•					•	•	•	•
	AE50110DC	•				•	•	•		•	•
	AE50110DCS	•	•					•		•	•
	QTXE080, QTXE110, QTXE150	•				•	•	•	•	•	•
	QTXE110S	•	•					•	•	•	•
	QTXE110150DC	•				•	•	•		•	•
	QTXE110150DCS	•	•					•		•	•
	RB80, RB110	•				•	•	•	•	•	•
	XB50, XB80, XB110	•				•	•	•		•	•
	XB110H	•	•					•		•	•
	ZB80, ZB110	•				•	•	•		•	•
	ZB80M, ZB110M	•	•			•	•			•	•
	ZB110H	•	•					•		•	•
<b>Ventilation Fan/Lights</b>	657, 678, 679, 696, 751, HD80L	•	•			•	•	•	•	•	•
	750		•	•		•	•	•	•	•	•
	744, 744LED, 744L, 744RL	•	•			•	•	•	•	•	•
	A50L, A70L, A80L, AE80L, AE80BL, A110L, AE110L, AE80LK, AE110LK	•	•			•	•	•	•	•	•
	AE80SL, AE110SL		•	•				•	•	•	•
	AE50110DCL	•	•			•	•	•		•	•
	AE50110DCSL		•	•				•		•	•
	770RLTK, AR80LWH, AER80LWH, AER110LTK, AER110LBN	•	•			•	•	•	•	•	•
	AER110SLW		•	•				•	•	•	•
	QTXE080FLT, QTXE110FLT, QTXE150FLT		•	•		•	•	•	•	•	•
	QTXE110150DCL	•	•			•	•	•		•	•
	QTXE110150DCSL		•	•				•		•	•
	RB80L1, RB110L1	•	•			•	•	•	•	•	•
	XB50L1, XB80L1, XB110L1	•	•			•	•	•		•	•
	XB110HL1		•	•				•		•	•
	ZB80L1, ZB110L1	•	•			•	•	•		•	•
	ZB80ML1, ZB110ML1		•	•		•	•			•	•
	ZB110HL1		•	•				•		•	•
<b>Heater/Fan/Lights</b>	765H80LB, 765H110LB		•	•		•	•	•	•	•*	
	100HL, 100HFL		•	•		•	•	•	•	•*	
	161	•						•		•	
	162		•			•	•	•	•	•	•
	163	•						•		•	
	164		•			•	•	•	•	•	
	655		•	•		•	•	•	•	•*	
	656		•					•		•*	
	658		•			•	•	•	•	•*	
	659		•	•		•	•	•	•	•*	
	QTX110HL, QTX110HFLT			•	•	•	•	•	•	•*	

\*The CD60W will work with these heater/fan/lights if the heater is wired to a separate rocker switch

FAN/LIGHTS

Broan Model	NuTone Model	Page	CFM	Sones, HVI-Certified	Baths up to ( ) Sq Ft	Lighting Watts Main/ Night Light	ENERGY STAR®	Lighting Type	Duct Size"	Housing Size			Cover Size		Cover Finish	Amps
										L"	W"	H"	L"	W"		
657	668RP	41	70	4.0	65	E26 Base	No	—	4	14¼	8¼	5¾	16¾	10%	WP	2
678	763, 763N	41	50	2.5	45	E26 Base	No	—	4	8¼	8	5¾	11½	10%	WP	1.6
679		41	70	3.5	65	A19	No	—	4	8	8¼	5¾	10%	11½	WP	2
696		41	100	4.5	90	E26 Base	No	—	4	14¼	8¼	5¾	16¾	10%	WP	2
744	744NT	29	70	1.5	65	75W	No	—	4	8¼	12¾	6¾	7¾Dia	—	MW	1.2
744L		29	50-80	0.3-2.0	75	75W	No	—	4	8¼	12¾	6¾	7¾Dia	—	MW	1.3
	744RNL	29	50-80	0.3-2.0	75	75W	Yes	LED	4	8¼	12¾	6¾	7¾Dia	—	MW	0.4
AER110SLW	AERN110SLW	31	110	1.5	105	16W LED	Yes	LED	4	9¼	10	5¾	15 Dia	—	White	0.6
AER80LWH	AERN80LWH	31	80	0.8	75	16W LED	Yes	LED	4	9¼	10	5¾	15 Dia	—	White	0.5
AER110LBN		31	110	1.5	105	16W LED	Yes	LED	4	9¼	10	5¾	15 Dia	—	Bright Nickel	0.6
AR80LWH		31	80	2.0	75	16W LED	No	LED	4	9¼	10	5¾	15 Dia	—	White	0.5
770RLTK	770RNLTK	31	80	2.5	75	E26 Base	No	—	4	8	8¼	5¾	13¾Dia	—	White	1.5
AER110LTK	AERN110LTK	31	110	1.5	105	16W LED	Yes	LED	4	9¼	10	5¾	12	12	Multiple	0.6
	QTNLEDA	30	110	0.7	105	18W Fluorescent / 4W LED Nightlight	Yes	GU24 Base	6" Round + 6" to 4" Reducer	10½	11¾	7¾	13¾	13¾	White	1
	QTNLEDB	30	110	0.7	105	18W Fluorescent / 4W LED Nightlight	Yes	GU24 Base	6" Round + 6" to 4" Reducer	10½	11¾	7¾	13¾	13¾	White	1
744LED	744LEDNT	29	70	1.5	65	9.5W LED	Yes	GU24 Base	4	8¼	12¾	6¾	7¾Dia	—	MW	0.55
750	8663RP	41	100	5.0	90	100W / 7W Nightlight	No	—	4	9	9	6	15 Dia	—	WP	1.9
751	8664RP	41	100	5.0	90	100W	No	—	4	9	9	6	15 Dia	—	WP	1.9
HD80L	HB80RL	41	80	2.5	75	100W Incandescent	No	—	4	8¼	8	5¾	11½	10%	WP	1.5
QTXE080FLT	QTXEN080FLT	16	80	0.3	75	18W Fluorescent / 4W Nightlight	Yes	CFL	6	11¾	10½	7¾	13	13¾	WP	0.8
QTXE110FLT	QTXEN110FLT	16	110	0.7	105	18W Fluorescent / 4W Nightlight	Yes	CFL	6	11¾	10½	7¾	13	13¾	WP	1
QTXE150FLT	QTXEN150FLT	16	150	1.4	140	18W Fluorescent / 4W Nightlight	Yes	CFL	6	11¾	10½	7¾	13	13¾	WP	1.2
QTXE110150DCL		15	110-130-150	<0.3-0.4-0.7	140	Integrated LED	Yes	LED	6	11¾	10½	7¾	13	13¾	WP	0.5
QTXE110150DCSL		15	110-130-150	<0.3-0.4-0.7	140	Integrated LED	Yes	LED	6	11¾	10½	7¾	13	13¾	WP	0.5
RB80L1	RN80L	23	80	<0.3	75	LED	Yes	LED	4	11¾	10½	7¾	14¼	13¾	WP	1
RB110L1	RN110L	23	110	0.8	105	LED	Yes	LED	4	11¾	10½	7¾	14¼	13¾	WP	1
SPK80L	SPK80NL	27	80	2.5	75	LED	No	LED	4	8¼	8	5¾	10¼	9¾	WP	0.5
XB50L1		22	50	<0.3	45	LED	Yes	LED	6" Round + 6" to 4" Reducer	10½	11¾	7¾	14¼	13¾	WP	0.7
XB80L1		22	80	<0.3*	75	LED	Yes	LED	6" Round + 6" to 4" Reducer	10½	11¾	7¾	14¼	13¾	WP	0.7
XB110L1		22	110	<0.3	105	LED	Yes	LED	6	10½	11¾	7¾	14¼	13¾	WP	0.9
XB110HL1		21	110	<0.3	105	LED	Yes	LED	6	10½	11¾	7¾	14¼	13¾	WP	0.9
ZB80L1		22	80	<0.3*	75	LED	Yes	LED	6" Round + 6" to 4" Reducer	10½	11¾	7¾	14¼	13¾	WP	0.8
ZB80ML1		21	80	<0.3*	75	LED	Yes	LED	6" Round + 6" to 4" Reducer	10½	11¾	7¾	14¼	13¾	WP	0.8
ZB110L1		22	110	<0.3	105	LED	Yes	LED	6	10½	11¾	7¾	14¼	13¾	WP	0.9
ZB110HL1		21	110	<0.3	105	LED	Yes	LED	6	10½	11¾	7¾	14¼	13¾	WP	0.9
ZB110ML1		21	110	<0.3	105	LED	Yes	LED	6	10½	11¾	7¾	14¼	13¾	WP	0.9

\*With 6" duct (with 4" duct 0.3)