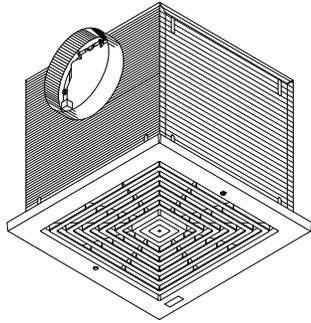
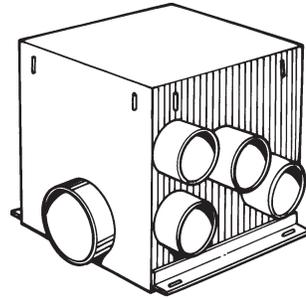


BROAN® NuTone®

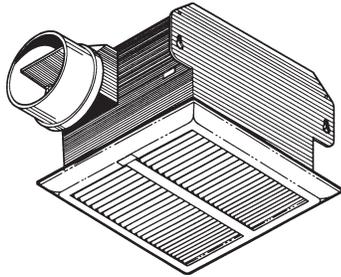
AMCA Licensed Products



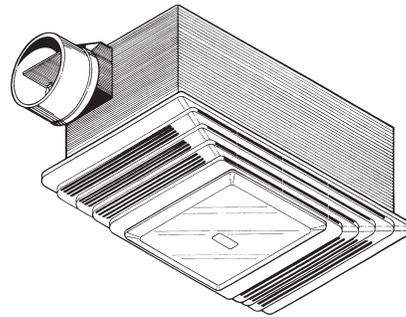
LoSone Select® Ventilators



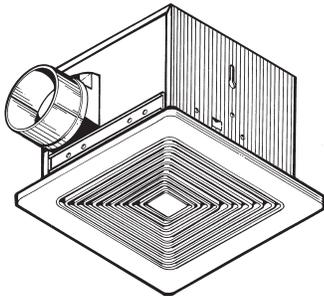
Remote In-Line Ventilators



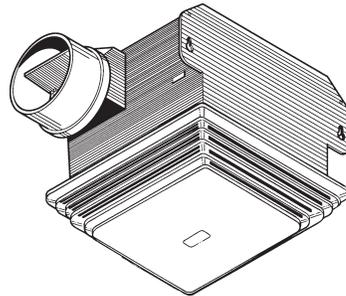
HD-Series Fans & Fan/Lights



Fan/Light Combination Units



Solitaire® & SensAire® Fans & Fan/Lights



Other AMCA Licensed Products



AMCA Licensed Products

Table of Contents

Products Licensed for Sound and Air Performance

<u>Model</u>	<u>Page</u>
L100	3
L150	3
L100EX	3
L150EX	3
L100C	3
L150C	3
L100MG	3
L150MG	3
L200	3
L250	3
L300	3
L300NT	3
L200EX	3
L250EX	3
L300EX	3
L200C	3
L250C	3
L300C	3
L200MG	3
L250MG	3
L300KMG	3
L400	4
L500	4
L700	4
L400EX	4
L500EX	4
L700EX	4
L400C	4
L500C	4
L700C	4
L400K	4
L500K	4
L900	4
L1500	4
L900EX	4
L1500EX	4
L900C	4
L1500C	4
L100L	5
L150L	5
L200L	5
L250L	5
L300L	5
L400L, L400KL	5
L500L, L500KL	5
L700L	5
L900L	5
L1500L	5

Products Licensed for Sound and Air Performance

<u>Model</u>	<u>Page</u>
L2000L	6
L3500EXL	6
L100E	9
L150E	9
L200E	9
L250E	9
L300E	9
HD80L	14
670	15
AE80B	16
ZB110	17
ZB80	17
ZB80L1	18
ZB110L1	18
ZN80	19
ZN110	19
LP80	20
QTXE150	21

Products Licensed for Air Performance

<u>Model</u>	<u>Page</u>
L100EL	9
L150EL	9
L200EL	9
L250EL	9
L300EL	9
MP100	13
MP140	13
MP200	13
MP280	13
SP100	13
SP140	13
SP200	13

Accessory Products Not AMCA Licensed

<u>Model</u>	<u>Page</u>
961L	12
981L	12
982L	12
983L	12
RD1	12
RD2	12
RD3	12
LAF1	12
LAF2	12
MG1	12
BV8	12
BV12	12
BV15	12
DH100W	13
T24H	13

LoSone Select[®] Ventilators

The industry's best value
in super-quiet specification
grade ventilators.

Broan LoSone Select[®] ventilators have been designed to give quality conscious architects, design engineers, builders and specifiers the ultimate in heavy duty, quiet ventilation.

Available from 100 to 3500 CFM, all units use centrifugal blower wheels and low RPM motors on resilient mounts. Most have acoustic insulation inside a rugged, heavy duty housing for further sound reduction.

Perfect for offices, conference rooms, bathroom, hospital rooms... anywhere quiet, high-capacity ventilation is needed.

Their features include:

- Low RPM motors mounted on resilient mounts for quiet, vibration-free operation
- Motors designed for continuous operation—permanently lubricated
- Acoustic insulation inside rugged, heavy gauge galvanized steel housings (except Models L300KMG, L400K, L500K – and in-line units)
- May be installed in ceiling or wall (size permitting)
- Balanced blower wheels for extremely low sound levels
- Attractive, low profile grilles
- May be ducted horizontally, vertically or as an in-line blower
- Quiet, built-in backdraft dampers

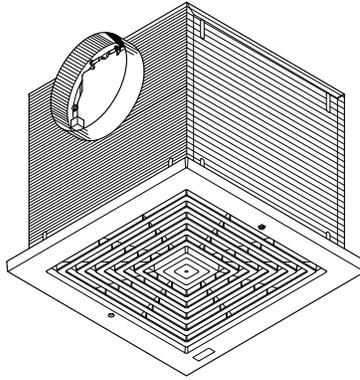


"Broan-NuTone LLC certifies that the models shown on page 9 are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program"



"Broan-NuTone LLC certifies that the models shown on pages 2 - 7 (inclusive) and 10 - 18 (inclusive) are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 (and AMCA Publication 311 if sound is also certified) and comply with the requirements of the AMCA Certified Ratings Program"

100 – 150 CFM Ceiling Mount Ventilators



Models L100 , L150

- 120 VAC
- 6" round duct connector
- Low profile white polymeric grille
- Single, impact resistant centrifugal blower wheel

Models L100EX, L150EX

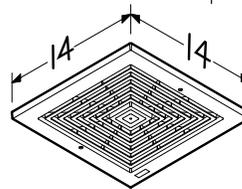
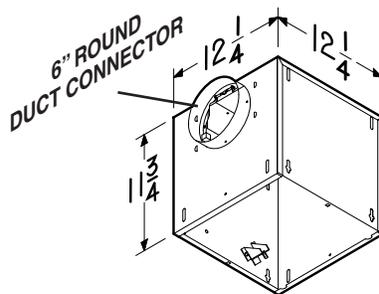
- 240 VAC
- Other features same as L100

Models L100C, L150C

- 277 VAC
- Other features same as L100

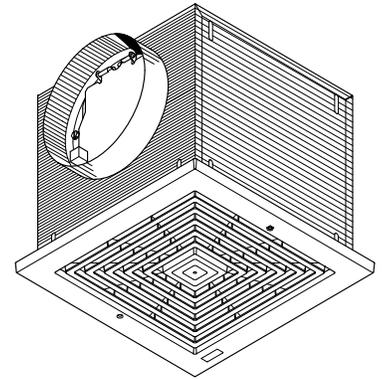
Models L100MG, L150MG

- Sturdy, low profile metal grille finished with painted white enamel
- Other features same as L100



Polymeric
Grille

200 – 250 – 300 CFM Ceiling Mount Ventilators



Models L200, L250, L300, L300NT

- 120 VAC
- 8" round duct connector
- Low profile white polymeric grille
- Single, impact resistant centrifugal blower wheel

Models L200EX, L250EX, L300EX

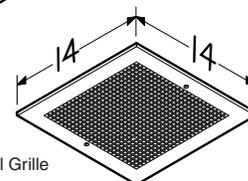
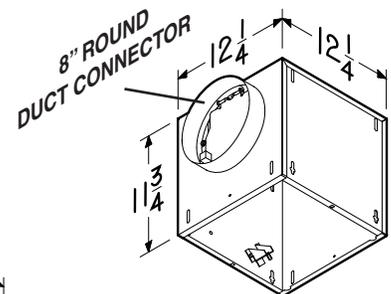
- 240 VAC
- Other features same as L200

Models L200C, L250C, L300C

- 277 VAC
- Other features same as L200

Models L200MG, L250MG, L300KMG

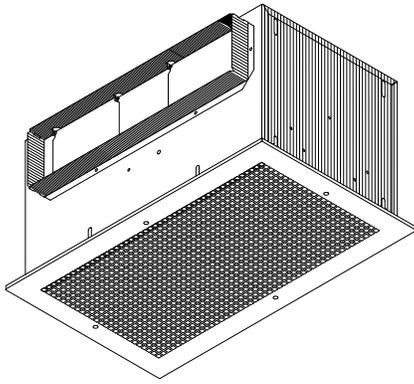
- Sturdy, low profile metal grille finished with painted white enamel
- Model L300KMG does not contain insulation and has metal blower wheel – may be mounted in kitchens and above cooking surfaces
- Other features same as L200



Metal Grille

See pages 7-8 for full performance information.

400 – 500 – 700 CFM
Ceiling Mount Ventilators



Models L400, L500, L700

- 120 VAC
- 4½ x 18½" duct connector
- Sturdy, low profile metal grille finished with painted white enamel
- Two impact resistant centrifugal blower wheels

Models L400EX, L500EX, L700EX

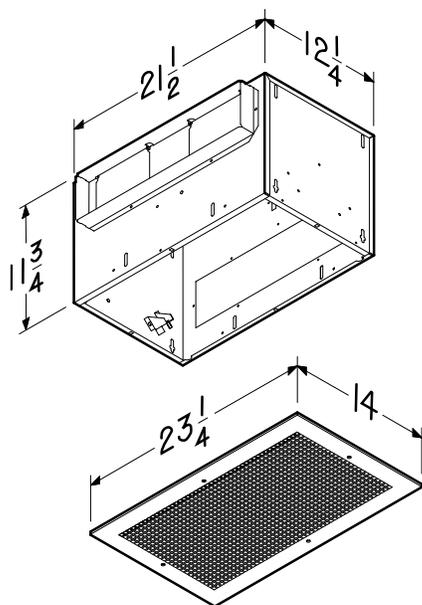
- 240 VAC
- Other features same as L400

Models L400C, L500C, L700C

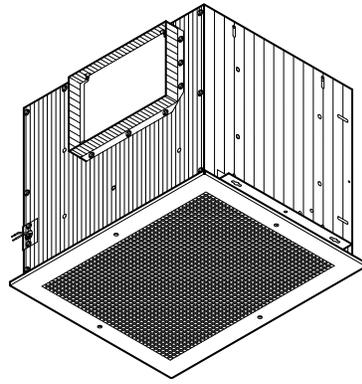
- 277 VAC
- Other features same as L400

Models L400K, L500K

- No insulation inside housing – may be mounted in kitchens and above cooking surfaces
- Two metal centrifugal blower wheels
- Other features same as L400



900 – 1500 CFM
Ceiling Mount Ventilators



Models L900, L1500

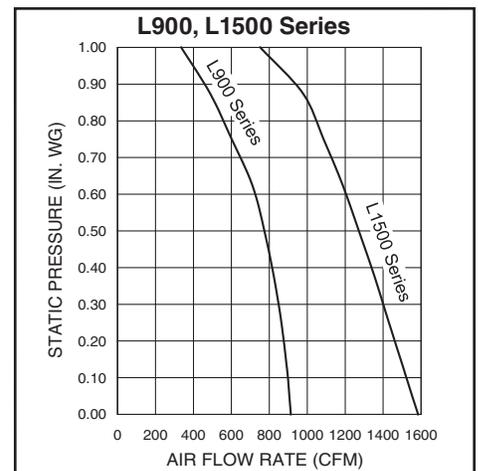
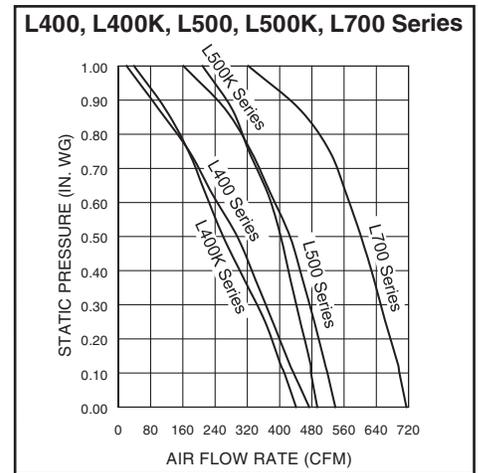
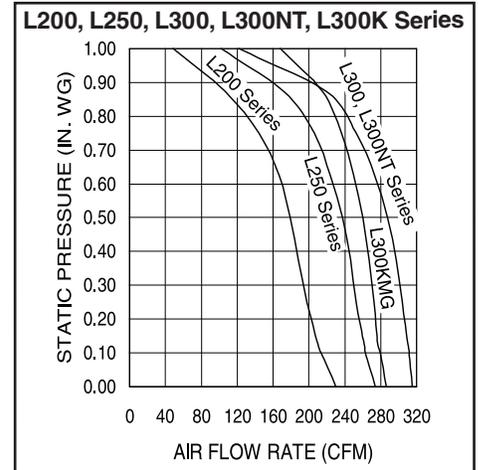
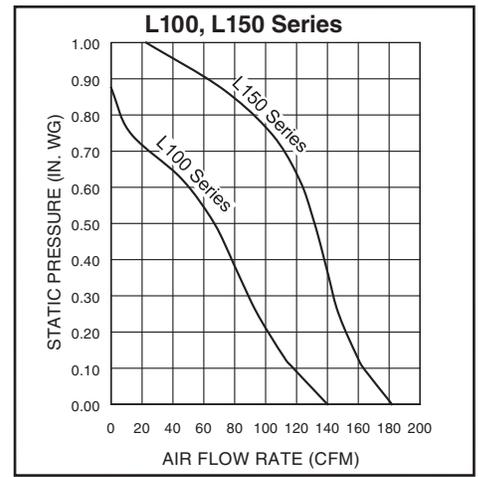
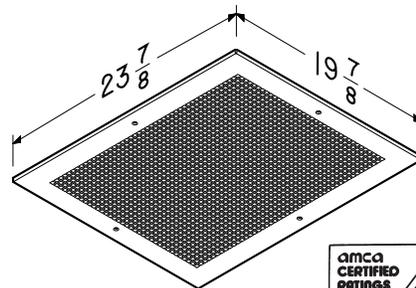
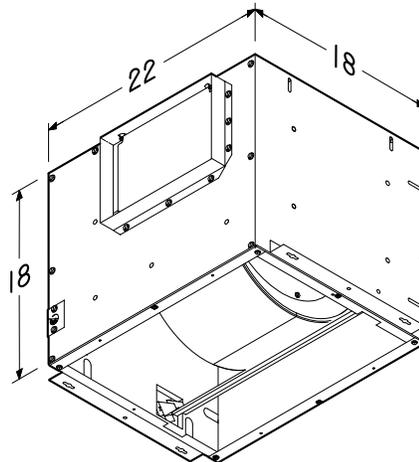
- 120 VAC
- 8" x 12" duct connector
- Sturdy, low profile metal grille finished with painted white enamel

Models L900EX, L1500EX

- 240 VAC
- Other features same as L400

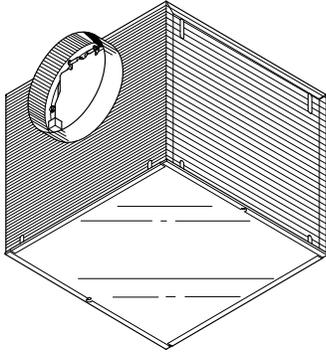
Models L900C, L1500C

- 277 VAC
- Other features same as L900



See pages 7-8 for full performance information.

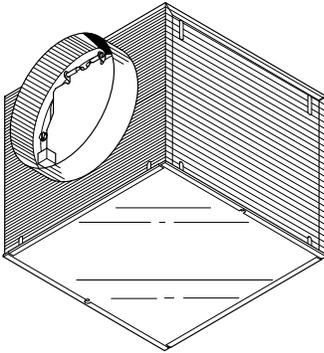
100 – 150 CFM
In-Line Ventilators



Models L100L, L150L

- 120 VAC
- Two 6" round duct connectors
- Removable access panel
- Single impact resistant centrifugal blower wheel
- Suitable for kitchen installation – no insulation inside housing

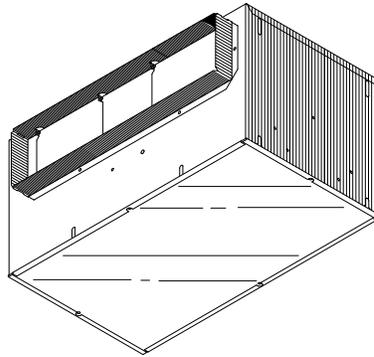
200 – 250 – 300 CFM
In-Line Ventilators



Models L200L, L250L, L300L

- 120 VAC
- Two 8" round duct connectors
- Removable access panel
- Single impact resistant centrifugal blower wheel
- Suitable for kitchen installation – no insulation inside housing

400 – 500 – 700 CFM
In-Line Ventilators



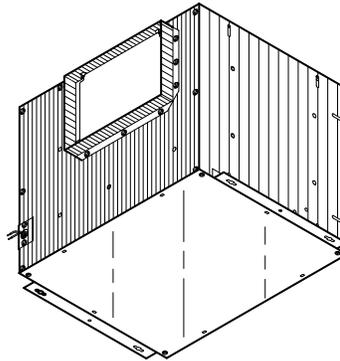
Models L400L, L500L, L700L

- 120 VAC
- Two 4½ x 18½" duct connectors
- Removable access panel
- Two impact resistant centrifugal blower wheels

Models L400KL, L500KL

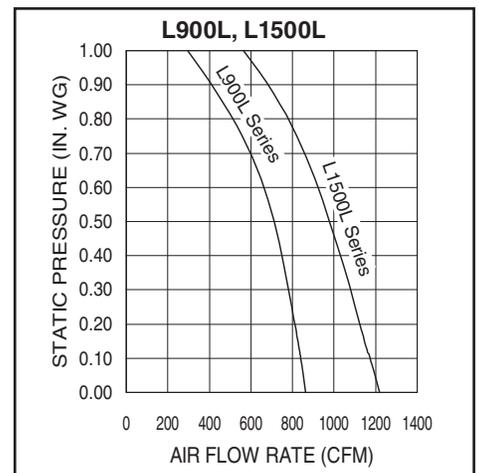
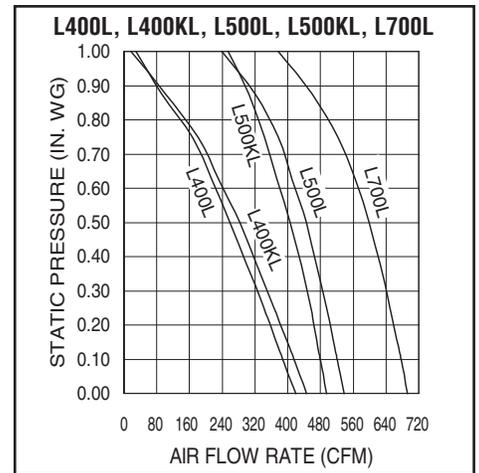
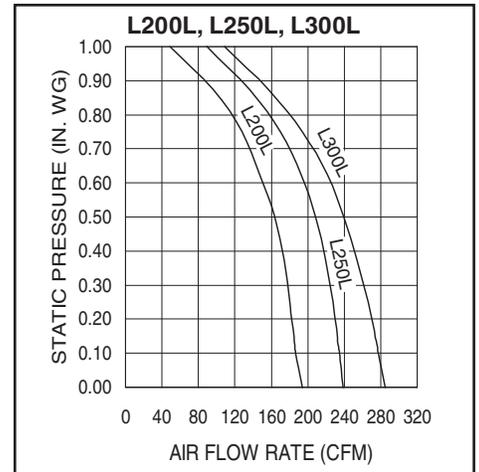
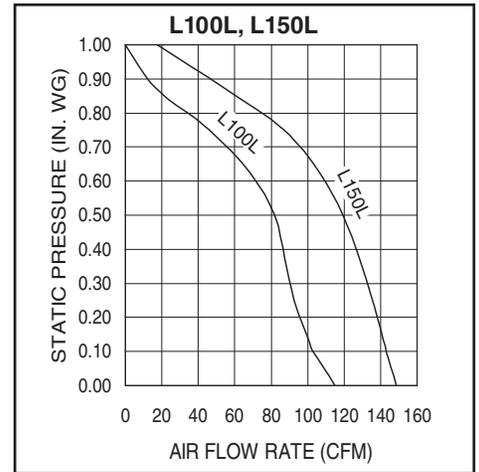
- Suitable for kitchen installation
- Two metal centrifugal blower wheels
- Other features same as L400L

900 – 1500 CFM
In-Line Ventilators



Models L900L, L1500L

- 120 VAC
- Two 8" x 12" duct connectors
- Removable access panel
- Single impact resistant centrifugal blower wheel



See pages 7-8 for full performance information.

LoSone Select[®] Cabinet Ventilators

Quiet, high capacity

LoSone Select[®] Cabinet Ventilators are perfect for large meeting rooms or institutional applications requiring up to 3500 CFM.

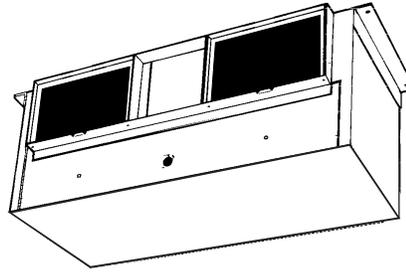
Like all Broan LoSone Select[®] units, our cabinet models are quiet-running, heavy-duty, specification-grade ventilators. Permanently lubricated ball bearing motors are designed for continuous operation. Resilient motor mounts and acoustic insulation lining our 20-gauge galvanized steel housing make them exceptionally quiet large air movers.

Broan LoSone Select[®] Cabinet Ventilators may be installed as either "straight thru" or "right angle" ventilators. Unique mounting brackets allow them to be installed quickly and easily in any of eight different positions.

Available Accessories:

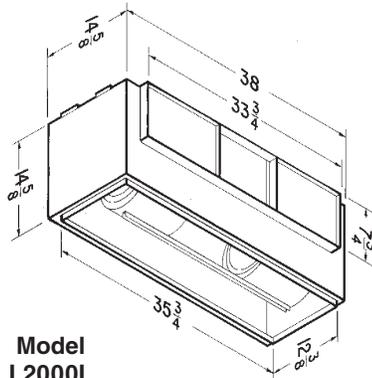
- Metal Grille Kits for ceiling applications
- Damper Kits with twin damper flaps prevent backdrafts
- Model V104 Vibration Damper Hangers (set of four required)

2000 CFM Cabinet Ventilator

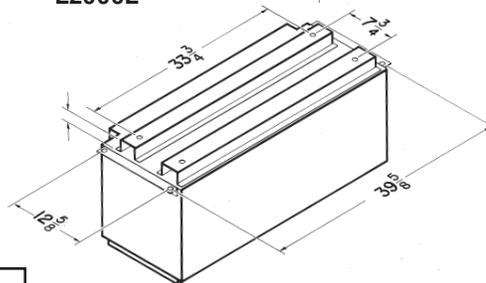


Model L2000L

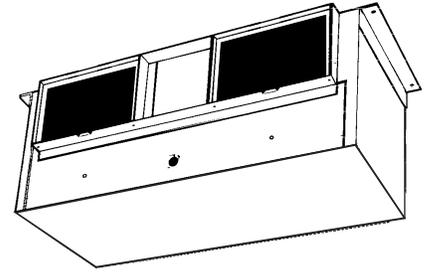
- 120 VAC
- Fits 7 $\frac{3}{4}$ " x 33 $\frac{3}{4}$ " duct
- Twin double-inlet blower wheels; 8" dia. x 7-7/8" deep
- Use Model G102 Metal Grille Kit for ceiling applications
- Use Model D100 Damper Kit for applications where unit will be ducted to outside—twin damper flaps prevent backdrafts



**Model
L2000L**

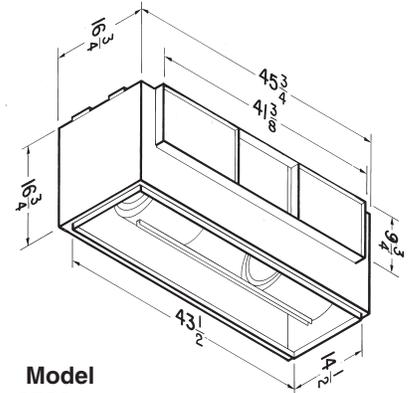


3500 CFM Cabinet Ventilator

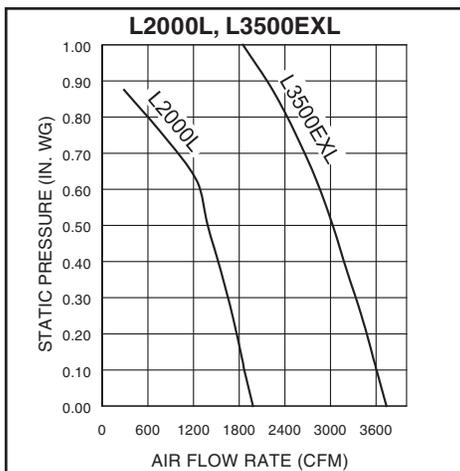
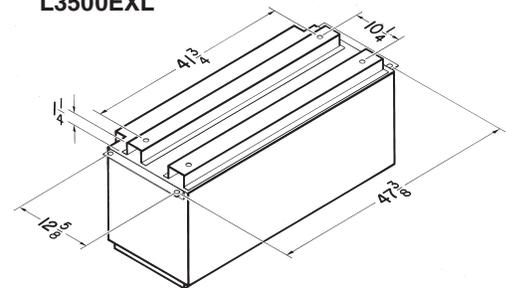


Model L3500EXL

- 240 VAC
- Fits 9 $\frac{3}{4}$ " x 41-3/8" duct
- Twin double-inlet blower wheels; 9" dia. x 8-3/4" deep
- Use Model G103 Metal Grille Kit for ceiling applications
- Use Model D101 Damper Kit for applications where unit will be ducted to outside—twin damper flaps prevent backdrafts



**Model
L3500EXL**



See pages 7-8 for full performance information.



LoSone Select® Ceiling Mount Ventilators – AMCA Licensed Performance

CFM / SONES - AT STATIC PRESSURES (Ps - inches of H ₂ O)															
MODEL NO.	NOMINAL VOLTAGE	MAX AMPS @60 Hz	WATTS		0.0" Ps	.10" Ps	.125" Ps	.250" Ps	.375" Ps	.50" Ps	.625" Ps	.750" Ps	.875" Ps	1.0" Ps	RPM @ .125"
L100	120 VAC	1.0	88	CFM Hor.	136	115	109	93	80	65	44	12			640
L100EX	240 VAC	0.5	81	SONES Hor.	0.5	0.8	0.9	1.3	1.8	2.3	3.0	3.2			
L100C	277 VAC	0.5	78	CFM Ver.	138	117	112	94	80	67	46	13			650
				SONES Ver.	0.7	0.9	1.0	1.3	1.8	2.2	2.8	3.0			
L100MG	120 VAC	1.0	88	CFM Hor.	140	115	110	92	78	60	42	10			630
				SONES Hor.	0.5	0.8	0.9	1.2	1.8	2.4	3.0	3.3			
				CFM Ver.	142	119	115	95	80	67	45	13			640
				SONES Ver.	0.5	0.8	0.9	1.4	1.8	2.3	2.9	3.1			
L150	120 VAC	1.2	96	CFM Hor.	181	161	157	141	132	124	114	94	62		710
L150EX	240 VAC	0.7	93	SONES Hor.	1.3	1.4	1.5	2.2	2.6	3.1	3.6	4.1	4.6		
L150C	277 VAC	0.7	124	CFM Ver.	179	163	160	149	142	133	122	105	73	23	750
				SONES Ver.	1.4	1.6	1.6	2.0	2.5	3.0	3.3	3.6	3.9	4.2	4.2
L150MG	120 VAC	1.2	96	CFM Hor.	180	163	160	143	130	118	102	76	50	10	710
				SONES Hor.	1.1	1.4	1.4	1.9	2.3	2.8	3.2	3.8	4.1	4.5	4.5
				CFM Ver.	180	163	160	143	130	118	102	76	50	10	725
				SONES Ver.	1.4	1.6	1.6	2.0	2.5	3.0	3.3	3.6	4.0	4.4	4.4
L200	120 VAC	1.6	124	CFM Hor.	231	214	210	196	186	177	165	144	113	51	740
L200EX	240 VAC	0.9	133	SONES Hor.	1.6	1.8	1.7	2.3	2.9	3.5	4.1	4.9	5.3	5.3	
L200C	277 VAC	0.8	129	CFM Ver.	224	210	207	197	187	179	167	144	99	41	760
				SONES Ver.	1.5	1.8	2.0	2.3	2.7	3.4	4.0	4.5	5.1	5.2	5.2
L200MG	120 VAC	1.6	124	CFM Hor.	237	218	215	199	190	180	167	144	108	47	715
				SONES Hor.	1.4	1.8	1.9	2.4	3.0	3.6	4.2	5.1	5.6	5.5	5.5
				CFM Ver.	228	213	209	198	190	182	168	145	105	56	730
				SONES Ver.	1.5	1.7	1.8	2.3	2.8	3.4	4.1	4.6	5.1	5.2	5.2
L250	120 VAC	2.0	160	CFM Hor.	272	261	259	250	242	233	218	201	165	99	830
L250EX	240 VAC	1.2	179	SONES Hor.	2.1	2.3	2.2	2.9	3.3	3.9	4.4	4.8	5.5	5.8	
L250C	277 VAC	1.0	173	CFM Ver.	269	261	259	253	248	239	224	203	171	101	860
				SONES Ver.	2.3	2.6	2.7	3.0	3.3	3.7	4.2	4.7	5.4	5.6	5.6
L250MG	120 VAC	2.0	160	CFM Hor.	280	267	265	254	246	238	224	209	172	105	805
				SONES Hor.	2.1	2.5	2.5	2.9	3.4	3.9	4.3	4.6	5.6	5.9	5.9
				CFM Ver.	275	263	262	255	250	241	229	210	178	105	830
				SONES Ver.	2.2	2.6	2.7	3.0	3.4	3.8	4.3	4.8	5.5	5.8	5.8
L300, L300NT	120 VAC	2.6	204	CFM Hor.	312	309	308	303	296	287	273	254	219	125	935
L300EX	240 VAC	1.4	216	SONES Hor.	2.8	2.9	2.9	3.3	3.5	3.9	4.3	4.7	5.1	5.6	
L300C	277 VAC	1.2	210	CFM Ver.	319	314	313	306	299	288	274	251	219	120	950
				SONES Ver.	2.6	2.9	3.0	3.4	3.6	3.9	4.4	4.7	5.0	5.5	5.5
L300MG	120 VAC	2.6	204	CFM Hor.	323	317	316	312	305	298	283	266	235	153	895
				SONES Hor.	3.0	2.8	3.0	3.2	3.5	3.9	4.3	4.8	5.2	5.7	5.7
				CFM Ver.	322	315	314	308	302	292	278	259	227	119	915
				SONES Ver.	2.4	2.7	2.8	3.3	3.5	3.9	4.3	4.7	5.1	5.5	5.5
L300KMG*	120 VAC	2.6	204	CFM Hor.	286	279	277	272	268	261	253	241	222	173	790
				SONES Hor.	2.8	3.0	3.1	3.4	3.8	4.4	4.8	5.1	5.5	6.1	6.1
				CFM Ver.	287	280	277	273	266	259	247	231	208	164	810
				SONES Ver.	3.3	3.6	3.7	4.1	4.7	5.2	5.6	6.3	6.8	6.9	6.9
L400	120 VAC	1.3	137	CFM Hor.	480	442	434	388	344	299	229	182	114	33	735
L400EX	240 VAC	0.7	150	SONES Hor.	2.0	2.4	2.3	2.8	3.3	3.8	4.5	4.8	5.4	5.6	
L400C	277 VAC	0.5	118	CFM Ver.	467	428	416	378	335	291	237	170	85	8	755
				SONES Ver.	2.3	2.6	2.6	3.0	3.5	4.0	5.1	5.5	5.7	5.9	5.9
L400K*	120 VAC	1.3	137	CFM Hor.	442	415	406	370	330	274	230	191	130	50	675
				SONES Hor.	2.9	3.2	3.3	3.8	4.4	5.3	6.0	6.5	6.8	7.2	7.2
				CFM Ver.	440	409	399	358	294	246	203	157	102	28	680
				SONES Ver.	2.9	3.4	3.3	4.0	5.0	6.1	6.3	6.8	7.1	7.2	7.2
L500	120 VAC	2.0	207	CFM Hor.	538	520	514	491	463	434	389	339	282	186	810
L500EX	240 VAC	1.1	235	SONES Hor.	3.0	3.1	3.3	3.6	4.0	4.4	5.0	5.7	6.2	6.7	
L500C	277 VAC	0.8	220	CFM Ver.	539	517	512	481	451	418	367	319	247	137	865
				SONES Ver.	2.9	3.1	3.2	3.4	3.8	4.2	4.8	5.9	6.3	6.4	6.4
L500K*	120 VAC	2.0	207	CFM Hor.	506	484	481	460	435	418	389	337	301	231	700
				SONES Hor.	4.3	4.3	4.4	5.0	5.6	6.2	7.0	7.6	8.0	8.3	8.3
				CFM Ver.	481	472	473	443	418	388	353	311	262	187	705
				SONES Ver.	3.6	3.9	4.0	4.5	5.6	6.1	6.7	8.4	8.1	8.6	8.6
L700	120 VAC	2.7	298	CFM Hor.	722	704	701	667	640	607	571	534	453	333	960
L700EX	240 VAC	1.1	243	SONES Hor.	4.5	4.6	4.7	4.8	5.0	5.2	5.6	6.2	7.1	7.2	
L700C	277 VAC	1.2	299	CFM Ver.	708	691	687	658	628	597	560	515	444	312	985
				SONES Ver.	5.2	5.0	5.0	5.7	5.8	6.1	6.4	7.4	7.1	7.6	7.6
L900	120 VAC	2.5	261	CFM Hor.	918	905	901	877	842	793	725	636	536	390	650
L900EX	240 VAC	1.0	232	SONES Hor.	3.8	4.0	4.1	4.0	4.2	4.3	4.4	4.9	4.5	5.3	
L900C	277 VAC	1.0	245	CFM Ver.	909	892	885	850	807	756	695	568	440	282	675
				SONES Ver.	3.8	3.4	3.4	3.5	3.6	3.7	3.9	4.2	4.3	4.4	4.4
L1500	120 VAC	4.4	436	CFM Hor.	1578	1526	1513	1438	1371	1285	1198	1103	1000	816	955
L1500EX	240 VAC	2.0	461	SONES Hor.	8.6	8.4	8.4	8.1	7.5	7.0	6.7	6.2	5.8	5.8	
L1500C	277 VAC	1.8	487	CFM Ver.	1590	1519	1502	1423	1340	1259	1176	1069	954	689	955
				SONES Ver.	8.5	8.4	8.4	8.1	7.9	7.5	7.2	7.1	6.9	6.5	6.5

Performance ratings include the effects of inlet grille and backdraft damper. Speed (RPM) shown is nominal. Performance is based on actual speed of test. The sound ratings shown are loudness values in fan sones at 5' (1.5m) in a hemispherical free field calculated per AMCA Std. 301. Values shown are for Installation Type B: free inlet hemispherical some levels. Performance certified is for Installation Type B: Free inlet, Ducted outlet.

* Suitable for kitchen installations

LoSone Select® In-Line Ventilators – AMCA Licensed Performance

CFM / SONES - AT STATIC PRESSURES (Ps - inches of H ₂ O)															
MODEL NO.	NOMINAL VOLTAGE	MAX AMPS @ 60 Hz	WATTS		0.0" Ps	.10" Ps	.125" Ps	.250" Ps	.375" Ps	.50" Ps	.625" Ps	.750" Ps	.875" Ps	1.0" Ps	RPM @ .125"
L100L*	120 VAC	1.0	88	CFM St.Thr.	121	108	106	97	93	86	70	44	17		760
				SONES St.Thr.	0.5	0.7	0.7	1.1	1.4	1.8	2.1	2.4	2.6		
				CFM Rt. Ang.	109	98	96	88	82	78	67	48	16		
SONES Rt. Ang.	0.5	0.8	0.8	1.2	1.6	2.0	2.3	2.5	2.8						
L150L*	120 VAC	1.2	96	CFM St.Thr.	153	148	147	140	134	125	111	91	54	18	920
				SONES St.Thr.	0.9	1.0	1.1	1.4	1.6	1.9	2.1	2.2	2.4	2.6	
				CFM Rt. Ang.	144	138	137	131	123	114	102	83	54	17	
SONES Rt. Ang.	1.2	1.4	1.4	1.6	1.9	2.1	2.4	2.5	2.7	2.9					
L200L*	120 VAC	1.6	124	CFM St.Thr.	205	196	195	190	185	175	158	135	96	47	870
				SONES St.Thr.	1.7	1.9	1.9	2.1	2.3	2.4	3.0	3.3	3.4	3.4	
				CFM Rt. Ang.	183	177	176	170	163	152	137	121	96	51	
SONES Rt. Ang.	1.6	1.6	1.6	1.9	2.3	2.7	2.9	3.1	3.4	3.6					
L250L*	120 VAC	2.0	160	CFM St.Thr.	248	245	245	241	235	224	208	183	141	84	1010
				SONES St.Thr.	2.0	2.3	2.3	2.6	2.8	3.2	3.4	3.6	3.9	3.8	
				CFM Rt. Ang.	229	224	222	214	204	193	177	157	132	95	
SONES Rt. Ang.	2.4	2.5	2.6	2.8	3.0	3.2	3.4	3.7	3.8	3.8					
L300L*	120 VAC	2.6	2.04	CFM St.Thr.	300	294	293	285	274	259	243	214	168	113	1090
				SONES St.Thr.	2.9	3.0	3.1	3.3	3.4	3.5	3.6	3.7	4.0	3.9	
				CFM Rt. Ang.	270	261	259	248	234	220	200	174	146	104	
SONES Rt. Ang.	3.7	3.7	3.7	3.7	3.9	3.9	4.0	4.2	4.4	4.0					
L400L	120 VAC	1.3	137	CFM St.Thr.	450	415	406	360	313	271	223	167	90	6	780
				SONES St.Thr.	1.4	1.6	1.6	1.9	2.2	2.6	2.9	3.4	3.6	3.9	
				CFM Rt. Ang.	442	415	408	372	336	296	239	193	111	28	
SONES Rt. Ang.	1.6	1.7	1.7	2.0	2.4	2.6	3.1	3.4	3.9	4.1					
L400KL*	120 VAC	1.3	137	CFM St.Thr.	420	385	375	330	284	243	202	153	78	12	715
				SONES St.Thr.	3.0	2.7	3.1	3.6	4.0	4.0	4.6	5.0	5.2	5.4	
				CFM Rt. Ang.	420	391	385	352	316	276	226	181	105	46	
SONES Rt. Ang.	2.1	2.4	2.5	1.9	2.2	2.8	3.0	3.3	3.7	4.2					
L500L	120 VAC	2.0	207	CFM St.Thr.	546	526	519	496	472	447	407	364	306	232	890
				SONES St.Thr.	2.4	2.4	3.4	3.7	3.9	3.8	3.9	4.0	4.3	4.3	
				CFM Rt. Ang.	528	516	513	494	470	446	415	389	334	247	
SONES Rt. Ang.	2.9	3.8	3.4	3.7	3.5	3.6	3.9	4.0	4.2	4.4					
L500KL*	120 VAC	2.0	207	CFM St.Thr.	495	476	472	450	426	395	360	326	294	247	805
				SONES St.Thr.	3.2	3.7	3.8	4.2	3.9	4.2	4.7	5.0	5.4	5.5	
				CFM Rt. Ang.	494	482	477	462	442	417	387	359	317	263	
SONES Rt. Ang.	3.5	4.1	4.4	4.3	4.7	5.1	5.1	5.2	5.3	6.0					
L700L	120 VAC	2.7	298	CFM St.Thr.	704	686	681	656	631	604	575	533	480	412	1090
				SONES St.Thr.	3.6	3.8	3.7	3.9	4.0	4.2	4.3	4.4	4.7	5.0	
				CFM Rt. Ang.	680	667	663	644	621	594	557	513	440	342	
SONES Rt. Ang.	5.0	5.0	5.0	5.3	5.2	5.1	5.3	5.5	5.4	5.5					
L900L	120 VAC	2.5	261	CFM St.Thr.	930	902	894	853	807	754	685	587	442	300	810
				SONES St.Thr.	3.7	3.8	3.8	3.8	3.7	3.8	3.9	4.0	4.0	4.1	
				CFM Rt. Ang.	795	778	772	743	709	668	613	527	432	291	
SONES Rt. Ang.	4.3	4.5	4.4	4.6	4.4	4.2	4.1	4.3	4.2	4.3					
L1500L	120 VAC	5.9	436	CFM St.Thr.	1275	1228	1214	1152	1092	1029	958	871	764	631	1060
				SONES St.Thr.	6.8	6.8	6.7	6.5	6.3	6.0	6.0	6.0	6.0	6.1	
				CFM Rt. Ang.	1160	1117	1106	1051	998	928	856	769	657	499	
SONES Rt. Ang.	7.9	7.8	7.9	7.4	7.1	6.8	6.3	5.9	5.4	5.4					

Performance ratings include the effects of backdraft damper. Speed (RPM) shown is nominal. Performance is based on actual speed of test. The sound ratings shown are loudness values in fan sones at 5' (1.5m) in a hemispherical free field calculated per AMCA Std. 301. Values shown are for Installation Type D: Ducted inlet, Ducted outlet. Ratings do not include the effect of duct end correction. Performance ratings include the effects of 18 feet of round inlet duct and, if needed, a rectangular to round duct transition. Performance certified is for Installation Type D: Ducted inlet, Ducted outlet.

LoSone Select® Cabinet Ventilators – AMCA Licensed Performance

CFM / SONES - AT STATIC PRESSURES (Ps - inches of H ₂ O)															
MODEL NO.	NOMINAL VOLTAGE	MAX AMPS @ 60 Hz	WATTS		0.0" Ps	.10" Ps	.125" Ps	.250" Ps	.375" Ps	.50" Ps	.625" Ps	.750" Ps	.875" Ps	1.0" Ps	RPM @ .125"
L2000L	120 VAC	5.8	590	CFM St.Thr.	1891	1803	1791	1657	1508	1347	1165	808	284		965
				SONES St.Thr.	10.3	9.8	9.4	9.0	8.6	9.1	8.9	7.0	6.7		
				CFM Rt. Ang.	2070	1931	1898	1769	1609	1424	1314	795	288		
SONES Rt. Ang.	11.1	10.3	10.1	9.7	9.4	9.2	8.5	7.0	6.7						
L3500EXL	240 VAC	5.4	1204	CFM St.Thr.	3605	3498	3452	3278	3073	2893	2679	2429	2093	1693	1105
				SONES St.Thr.	15.3	14.8	14.5	14.1	13.1	12.8	12.1	11.8	11.9	10.8	
				CFM Rt. Ang.	3868	3714	3696	3537	3356	3168	2951	2671	2384	2005	
SONES Rt. Ang.	14.6	14.2	14.2	13.3	12.8	12.5	11.6	11.4	11.4	13.4					

Performance ratings do not include the effects of appurtenances. Speed (RPM) shown is nominal. Performance is based on actual speed of test. The sound ratings shown are loudness values in fan sones at 5' (1.5m) in a hemispherical free field calculated per AMCA Std. 301. Values shown are for Installation Type D: Ducted inlet, Ducted outlet. Ratings do not include the effect of duct end correction. Performance certified is for Installation Type D: Ducted inlet, Ducted outlet.



Light Commercial Ventilators

The industry's best value in super-quiet specification grade ventilators.

Broan Light Commercial ventilators have been designed to give quality conscious architects, design engineers, builders and specifiers the ultimate in heavy duty, quiet ventilation.

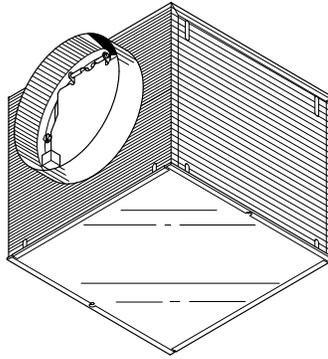
Available from 100 to 300 CFM, all units use centrifugal blower wheels and low RPM motors on resilient mounts. Most have acoustic insulation inside a rugged, heavy duty housing for further sound reduction.

Perfect for offices, conference rooms, bathroom, hospital rooms... anywhere quiet, high-capacity ventilation is needed.

Their features include:

- Low RPM motors mounted on resilient mounts for quiet, vibration-free operation
- Motors designed for continuous operation—permanently lubricated
- Ceiling mount units have acoustic insulation inside rugged, heavy gauge galvanized steel housings
- May be installed in ceiling or wall (size permitting)
- Balanced blower wheels for extremely low sound levels
- Attractive, low profile grilles
- Ceiling mount units may be ducted horizontally or vertically
- Inline units ducted horizontally
- Quiet, built-in backdraft dampers

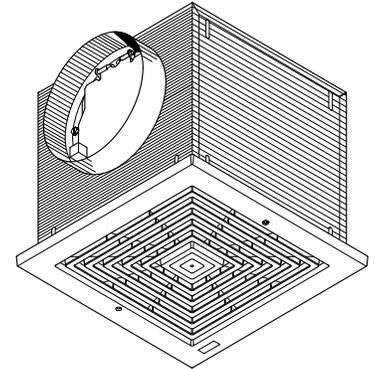
100 – 150 – 200 – 250 – 300 CFM In-Line Ventilators



Models L100EL, L150EL, L200EL, L250EL, L300EL

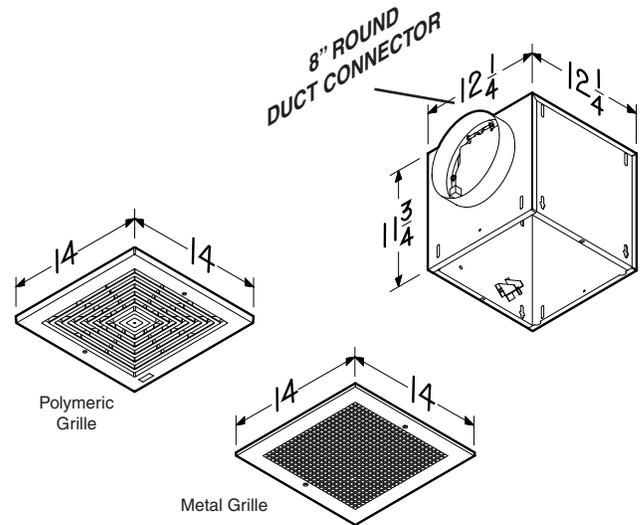
- 120 VAC
- Two 8" round duct connectors
- Removable access panel
- Single impact resistant centrifugal blower wheel
- Suitable for kitchen installation – no insulation inside housing

100 – 150 – 200 – 250 – 300 CFM Ceiling Mount Ventilators



Models L100E, L150E, L200E, L250E, L300E

- 120 VAC
- 8" round duct connector
- Low profile white polymeric grille
- Single, impact resistant centrifugal blower wheel



"Broan-NuTone LLC certifies that the models shown on page 9 are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program"



"Broan-NuTone LLC certifies that the models shown on pages 2 - 7 (inclusive) and 10 - 18 (inclusive) are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 (and AMCA Publication 311 if sound is also certified) and comply with the requirements of the AMCA Certified Ratings Program"

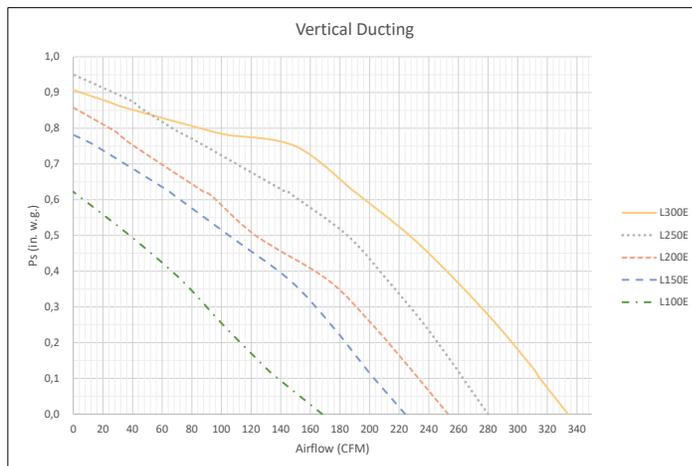
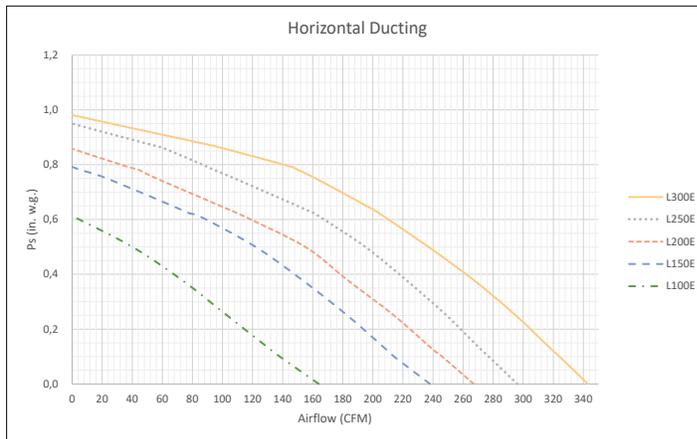
See pages 10-11 for full performance information.

PERFORMANCE RATINGS - LIGHT COMMERCIAL ENERGY STAR® CERTIFIED CEILING MOUNT VENTILATORS L100E, L150E, L200E, L250E & L300E

AMCA LICENSED PERFORMANCE

MODEL NO.		STATIC PRESSURE (Inches water gage)									NOMINAL RPM	MAX. AMPS @60 Hz	AC VOLTS
		0.0	0.1	0.125	0.25	0.375	0.5	0.625	0.75	0.875			
L100E	CFM Hor.	164	138	132	103	74	40				803	0.3	120
	SONES Hor.	0.2	0.3		0.7								
L100E	CFM Ver.	168	138	131	101	73	38				799	0.3	120
	SONES Ver.	0.1	0.2		0.8								
L150E	CFM Hor.	238	214	209	183	154	122	77			972	0.4	120
	SONES Hor.	1.0	1.0		1.1								
L150E	CFM Ver.	224	203	198	174	146	105	64			990	0.4	120
	SONES Ver.	0.9	0.9		1.0								
L200E	CFM Hor.	267	246	240	214	184	155	109	56		1031	0.5	120
	SONES Hor.	1.5	1.5		1.7								
L200E	CFM Ver.	253	233	228	202	172	123	87	41		1063	0.5	120
	SONES Ver.	1.4	1.3		1.5								
L250E	CFM Hor.	296	277	272	249	223	195	160	108	51	1128	0.6	120
	SONES Hor.	1.9	1.9		1.8								
L250E	CFM Ver.	280	263	259	237	212	185	142	89	40	1144	0.6	120
	SONES Ver.	1.9	1.8		1.8								
L300E	CFM Hor.	343	324	319	295	268	237	204	162	89	1189	0.7	120
	SONES Hor.	3.0	2.9		2.7								
L300E	CFM Ver.	334	315	311	286	258	227	189	150	20	1207	0.7	120
	SONES Ver.	2.9	2.7		2.6								

Performance ratings including the effects of inlet grille and backdraft damper in the airstream. Speed (RPM) shown is nominal. Performance is based on actual speed test. The sound ratings shown are tested to 1/3 octave, Spherical Sones to AMCA 300. Values shown are for installation Type B: Free inlet fan sone levels. Performance shown is for Installation Type B: Unducted inlet, Ducted outlet.

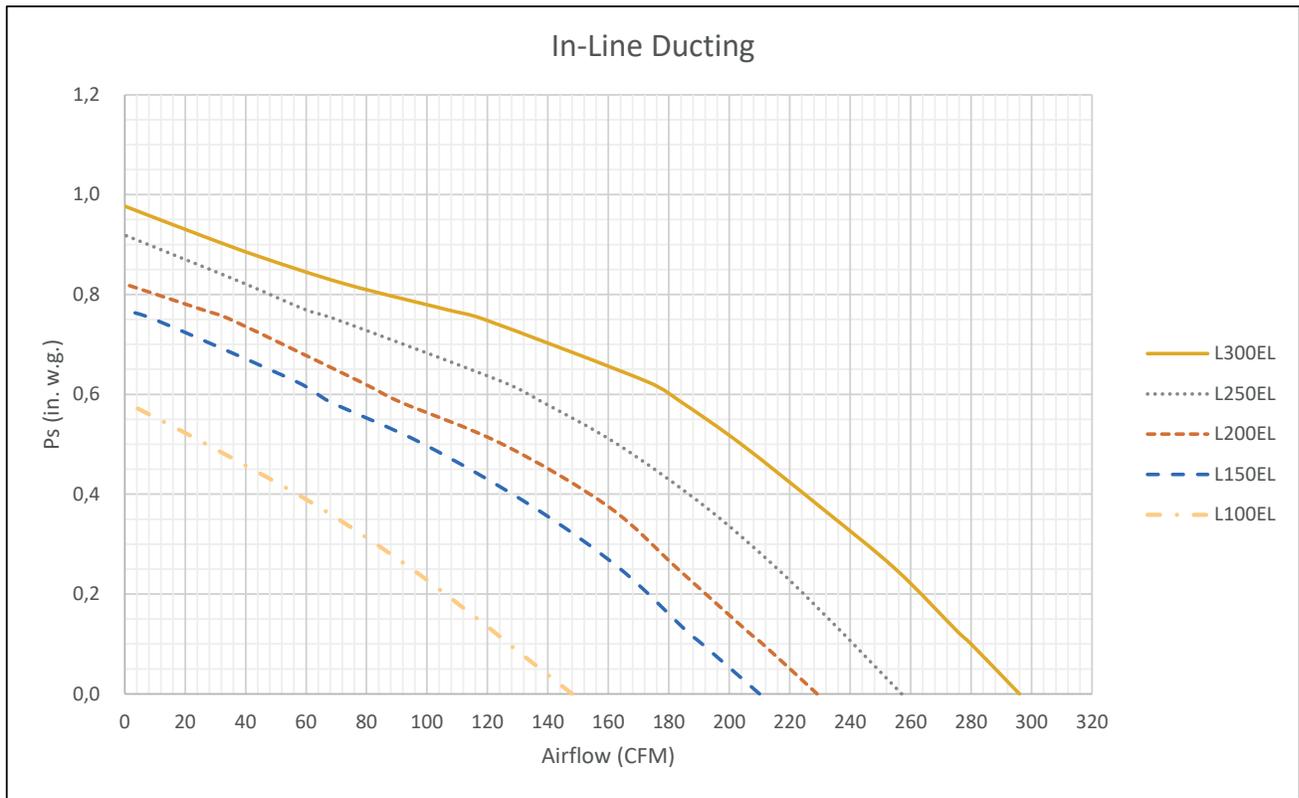


PERFORMANCE RATINGS - LIGHT COMMERCIAL ENERGY STAR® CERTIFIED IN-LINE VENTILATORS L100EL, L150EL, L200EL, L250EL & L300EL

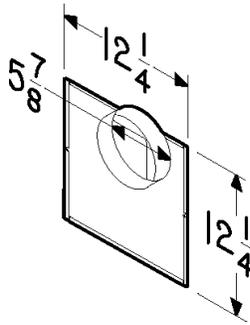
AMCA LICENSED PERFORMANCE

MODEL NO.		STATIC PRESSURE (Inches water gage)									NOMINAL RPM	MAX. AMPS @60 Hz	AC VOLTS
		0.0	0.1	0.125	0.25	0.375	0.5	0.625	0.75	0.875			
L100EL	CFM	148	127	122	95	64	27				853	0.3	120
L150EL	CFM	210	191	186	164	135	99	57			1023	0.4	120
L200EL	CFM	229	211	206	183	160	125	78	35		1089	0.5	120
L250EL	CFM	257	241	237	216	192	163	125	70		1158	0.6	120
L300EL	CFM	296	280	275.5	255	230	204	173	119	45	1256	0.7	120

Performance ratings including the effects of a backdraft damper. Speed (RPM) shown is nominal. Performance is based on actual speed test. CFM Performance shown is for Installation Type D: Ducted inlet, Ducted outlet.

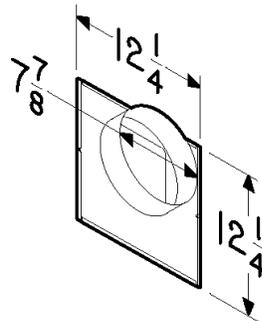


*Broan LoSone Select®
Accessories for Ceiling Mount
and In-Line Ventilators*



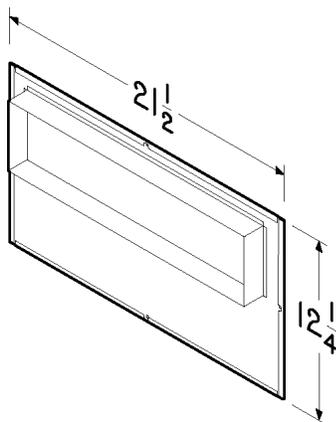
Model 961L In-Line Adapter Kit

- Galvanized steel
- Fits L100, L150 Series 6" round duct intake
- Mounting hardware included



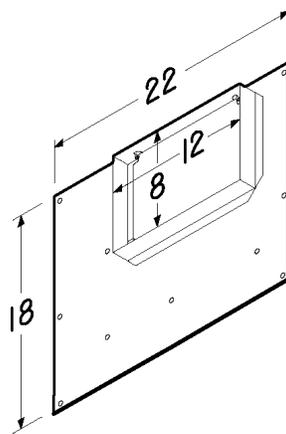
Model 981L In-Line Adapter Kit

- Galvanized steel
- Fits L200, L250, L300 Series 8" round duct intake
- Mounting hardware included



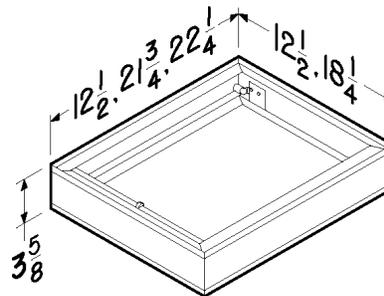
Model 982L In-Line Adapter Kit

- Galvanized steel
- Fits L400, L500, L700 Series 4 1/2" x 18 1/2" duct intake
- Mounting hardware included



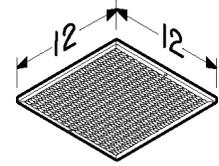
Model 983L In-Line Adapter Kit

- Galvanized steel
- Fits L900, L1500 Series 8" x 12" duct intake
- Mounting hardware included



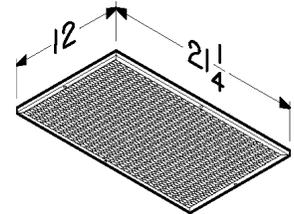
*Model RD1, RD2, RD3
Radiation Dampers*

- UL Listed – classified for use in 1, 2, or 3 hour fire-rated ceilings
- Galvanized steel frame
- High temperature, non-asbestos, reinforced fiber thermal fabric
- 212°F fusible link
- Stainless steel negator-type closure spring
- RD1 (12 1/2" x 12 1/2") fits L100, L150, L200, L250, L300 Series
- RD2 (21 3/4" x 12 1/2") fits L400, L500, L700 Series
- RD3 (22 1/4" x 18 1/4") fits L900, L1500 Series



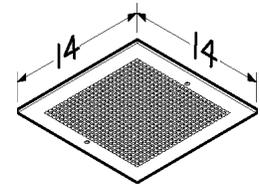
Model LAF1 Grease Filter

- Dishwasher safe, aluminum mesh filter traps grease and protects motor
- Fits L300KMG



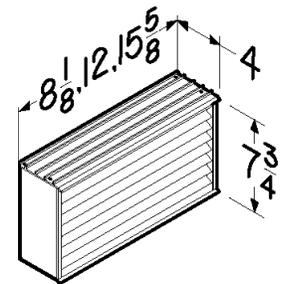
Model LAF2 Grease Filter

- Dishwasher safe, aluminum mesh filter traps grease and protects motor
- Fits L400K, L500K



Model MG1 Metal Grille Kit

- Steel, painted white enamel
- Mounting screws included
- Fits L100, L150, L200, L250, L300 Series



Model BV8, BV12, BV15 Brick Vents

- Designed for installation in masonry walls
- Anodized aluminum construction
- Built-in mesh insect screen
- BV8 measures 7 3/4" x 8-1/8" x 4"
- BV12 measures 7 3/4" x 12" x 4"
- BV15 measures 7 3/4" x 15-5/8" x 4"

Remote In-Line Ventilators

**Super-quiet,
high-capacity ventilation.**

Our remote in-line units are some of the quietest, most efficient ventilation systems available. It's a pretty simple concept. Mount a high-performance ventilator in an out-of-the-way spot and you get the power, with virtually no sound.

Suitable for intermittent or continuous ventilation applications.

Intermittent: Provides concentrated ventilation, as required, for problem rooms like the bath or laundry.

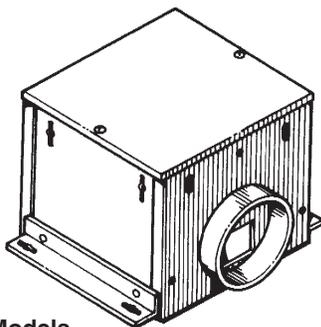
Continuous: Helps circulate air throughout home

- Install the housing in the attic, basement, or wherever is most convenient
- Energy-efficient, permanently lubricated motors with high pressure centrifugal blowers easily accommodate long duct runs
- Designed for quick, easy installation
- Removable panels offer easy access to the motor without disturbing ductwork



Also available Room Inlets and Controls

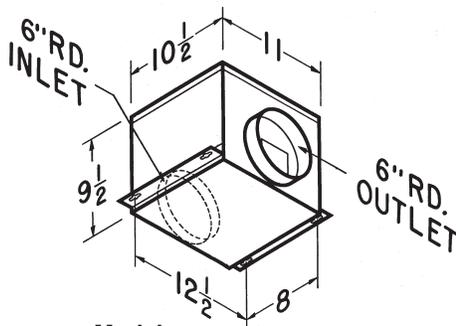
Room inlets from Broan for ceiling or wall installation. Choice of models lets you accommodate 6" (DF6) or 4" (DF4) round duct. These white polymeric inlets can be painted to match room decor.



**Models
SP100, SP140,
SP200**

Single-Port Ventilators

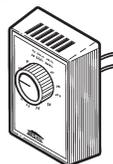
- Superior pressure capability provided by high pressure centrifugal blowers accommodates long duct runs
- 6" round outlet and inlet for easy duct connections



**Models
SP100, SP140, SP200**

Model DH100W Dehumidistat

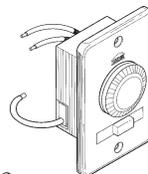
- Dual Voltage (24V/120V)
- Variable setting from 20-80% relative humidity



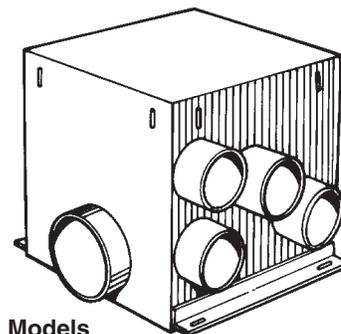
DH100W

Model T24H 24-Hour Programmable Timer

- 120V, 8 amps
- Sets up to 36 on/off cycles as short as 20 minutes
- Manual on/off override switch
- Fits single-gang box



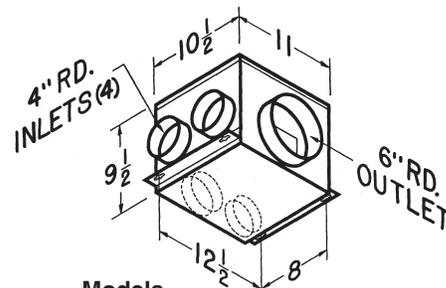
T24H



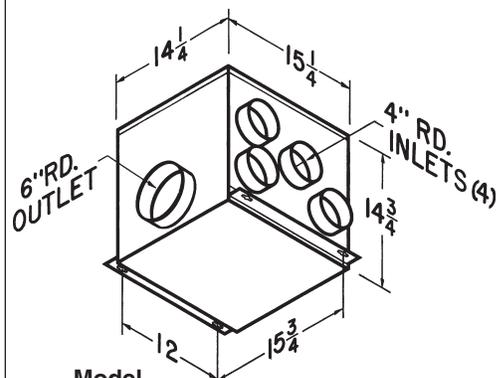
**Models
MP100, MP140,
MP200, MP280**

Multi-Port Ventilators

- Easily handles extended duct runs from a number of different inlets
- Can be installed in virtually any orientation
- High pressure blowers designed to operate at high static pressure
- 6" round outlet; 4" round inlets
- Use 2, 3, or all 4 inlet ports for optimal installation and application flexibility
- Two inlet duct covers included



**Models
MP100, MP140, MP200**



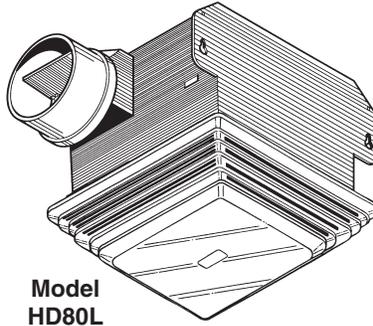
**Model
MP280**

Model NO.	CFM @ Static Pressure (Ps - Inches of H ₂ O)						Volts	Watts	Nominal RPM	Duct Size
	0.0	0.2	0.25	0.4	0.6	0.8				
MP100	120	110	107	97	81	-	120	53	2750	6" Round / 4" Round
MP140	164	150	145	133	115	103	120	92	2950	6" Round / 4" Round
MP200	224	210	208	200	189	174	120	143	2950	6" Round / 4" Round
MP280	304	290	284	265	230	190	120	215	1650	6" Round / 4" Round
SP100	120	110	107	97	81	-	120	52	2950	6" Round
SP140	164	150	145	133	115	103	120	86	2900	6" Round
SP200	224	210	207	195	181	170	120	138	3000	6" Round

Performance certified is for installation type D - Ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances. Speed (RPM) shown is nominal. Performance is based on actual speed of test.

HD-Series Fan/Light

Designed for continuous operation. Last up to three times longer than ordinary residential fan/lights.



**Model
HD80L**

Broan offers a heavy-duty solution for continuous ventilation requirements in light commercial and public restroom applications. Specially designed for continuous low maintenance operation. Features a totally enclosed, low RPM motor with permanently sealed bearings. Impact resistant centrifugal blower wheel provides quiet, powerful performance. Follow-up costs associated with service or replacement calls are virtually eliminated.

Other *HD80L* features include:

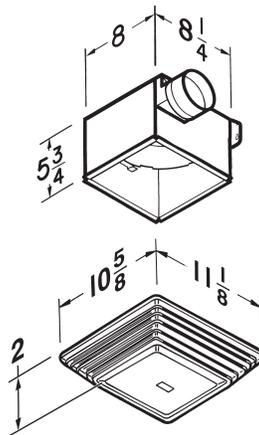
- Built-in housing mounting brackets for fast installation.
- UL listed for use over bathtubs and showers when connected to GFCI protected branch circuit.
- 100 watt light capacity (bulb not included)

A long-term solution for light commercial applications.

The *HD80L Fan/Light* features a 4" duct connector and a high capacity centrifugal blower wheel, so it can be used in applications requiring extended duct runs. A broad certified performance spectrum from AMCA means the *HD80L* is ideally suited for a host of applications.

Model HD80L Fan/Light

- 97 CFM, 4.0 Sones
- Totally enclosed low RPM motor with permanently sealed bearings
- Impact resistant centrifugal blower wheel
- Metal grille, torsion spring mounted
- Pre-wired outlet box for plug-in motor plate
- Rugged steel housing with built-in mounting brackets
- 4" polymeric duct connector
- Durable damper quietly eliminates backdrafts—no metallic clatter
- UL listed for use over bathtubs and showers when connected to a GFCI protected branch circuit



**Model
HD80L
(4" round duct)**



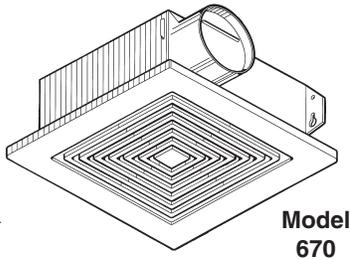
Model No.	CFM & Sones @ Static Pressure (Ps - Inches Water Gage)										Volts	Watts (Fan only)	Nominal RPM	Duct Size
	0" wg Ps		0.100" wg Ps		0.125" wg Ps		0.250" wg Ps		0.375" wg Ps					
	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones				
HD80L	97	4.0	87	4.1	84	4.1	69	4.2	50	4.4	120	50	1380	4" Round

Performance ratings include the effects of inlet grille and backdraft damper. Speed (RPM) shown is nominal. Performance is based on actual speed of test. The sound ratings are loudness values in fan sones at 5' (1.5m) in a hemispherical free field calculated per AMCA Std. 301. Values shown are for Installation Type B: free inlet hemispherical sone levels. Performance certified is for Installation Type B: Free inlet, Ducted outlet.

Bath Fan

Performance for every need and budget.

- Durable fan and blower assembly encased in sturdy steel housing
- Permanently lubricated motor drives specially designed blower, quietly delivering high exhaust performance
- Built-in damper prevents cold back-drafts, with no metallic clatter
- Built-in mounting ears for quick, sturdy installation
- Polymeric duct connector features long, tapered sleeves for easier, positive ducting
- UL listed for use over bathtubs and showers when connected to a GFCI-protected branch circuit

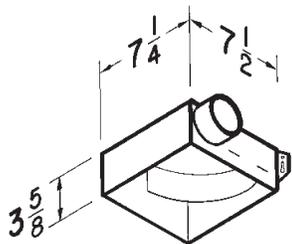


Model 670 Deluxe Ceiling/Wall Fan

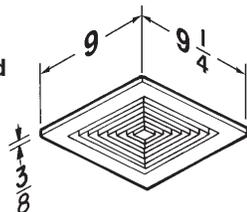
- 52 CFM, 3.9 Sones @ 0.0" Ps
- Broan-designed durable blower wheel
- Torsion spring grille mounting – no tools needed
- Compact housing fits easily between wall studs
- Double strength steel mounting flanges with key-hole slots for fast, sturdy installation
- 3" round duct connector
- Single packs and Project Paks
- Metal grille kit available separately – Broan part number 97011308

Project Paks

Each "H" Pak includes rough-in housings only, making multi-unit installation more convenient. "F" Pak grille and motor/blower assemblies can be ordered separately, nearer project completion. That way, there are no components to lose or warehouse.



Model 670 (3" round duct)

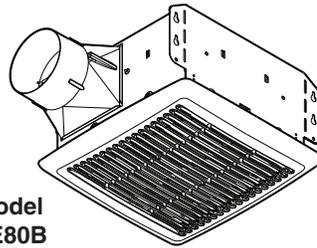


Model No.	Sones @ 0.0" Ps	CFM @ Static Pressure (Ps - Inches of H ₂ O)					Volts	Watts (Fan only)	Nominal RPM	Duct Size
		0.0	0.1	.125	.250	.375				
670	CFM	52	49	47	42	29	120	48	1870	3" Round
	Sones	3.9	4.3	4.4	4.6	5.5				

Performance ratings include the effects of inlet grille and backdraft damper. Speed (RPM) shown is nominal. Performance is based on actual speed of test. The sound ratings are loudness values in fan sones at 5' (1.5m) in a hemispherical free field calculated per AMCA Std. 301. Values shown are for Installation Type B: free inlet hemispherical sone levels. Performance certified is for Installation Type B: Free inlet, Ducted outlet.

BROAN® InVent™ Series Fan

- Foldable mounting ears for easy, room-side installation in both new construction and retrofit applications
- New damper technology forms a tighter seal, preventing backdrafts and improving air tightness
- Polymeric duct connectors feature long, tapered sleeves for easier, positive ducting
- Permanently lubricated motors drive specially designed blowers, quietly delivering high exhaust performance
- Durable fan and blower assemblies encased in sturdy steel housings
- UL listed for use over bathtubs and showers when connected to a GFCI-protected branch circuit



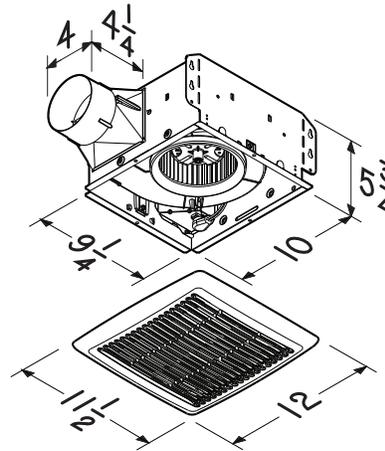
Model AE80B

Model AE80B Bath Fan

- 87 CFM, 1.0 Sones @ 0.0" Ps
- Removable centrifugal type blower assembly with permanently lubricated motor
- Foldable mounting ears for quick installation
- Torsion spring grille mounting – no tools needed
- 4" round duct connector
- Single packs and Project Paks

Project Paks

Each "H" Pak includes rough-in housings only, making multi-unit installation more convenient. "F" Pak grille and motor/blower assemblies can be ordered separately, nearer project completion. That way, there are no components to lose or warehouse.



Model No.	Duct Size	Performance @ Static Pressure (Ps) - Inches Water Gage											Volts	Hz.	Nominal RPM
		0.000" Ps		0.100" Ps			0.125" Ps		0.250" Ps		0.375" Ps				
		CFM	Sones	CFM	Sones	Watts	CFM	Sones	CFM	Sones	CFM	Sones			
AE80B	4" Round	87	1.0	76	1.5	26	72	1.5	56	2.5	38	3.0	120	60.0	840

Performance ratings include the effects of inlet grille and backdraft damper. Speed (RPM) shown is nominal. Performance is based on actual speed of test. The sound ratings are loudness values in fan sones at 5' (1.5m) in a hemispherical free field calculated per AMCA Std. 301. Values shown are for Installation Type B: free inlet hemispherical sone levels. Performance certified is for Installation Type B: Free inlet, Ducted outlet.

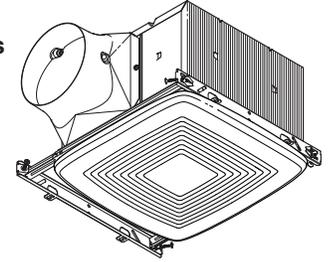
BROAN® ULTRA™ Series Ventilation Fans

UltraGreen™ Energy Saving DC Motor

- DC motor for efficiency well beyond ENERGY STAR® requirements.
- Multi-speed capability ideal for meeting ASHRAE 62.2, LEED and ENERGY STAR® for Homes requirements. Can be used to comply with CA Title 24, as well as local/spot ventilation needs.



Models
ZB80
ZB110



UltraSilent™ Sound Technology

- State-of-the-art blower and duct outlet design smooths airflow.
- High tech DC motor designed for nearly silent operation.

UltraSmart™ Control Technology

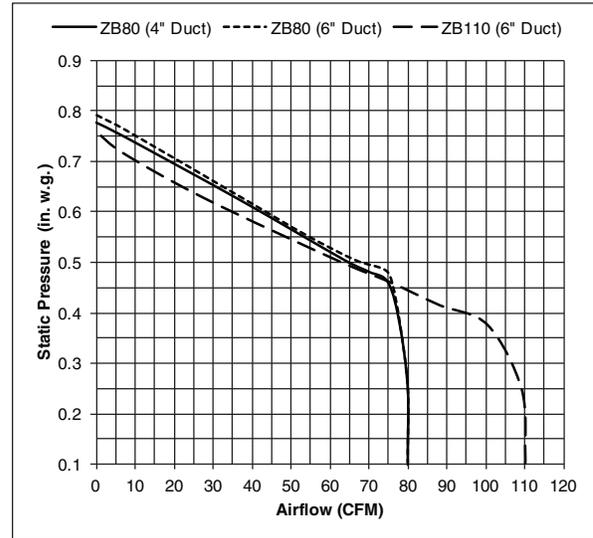
- Powerful operation maintained over a wide range of real-world installations (CFM ratings maintained through at least 0.25" static pressure).
- Infinitely adjustable low cfm setting allows precise adjustment to prevent over-ventilating and maximize efficiency.
- Adjustable time delay sets how long fan will run on high speed before returning to a continuous lower speed.
- Rated for Continuous Operation.

UltraQuick™ Installation Technology

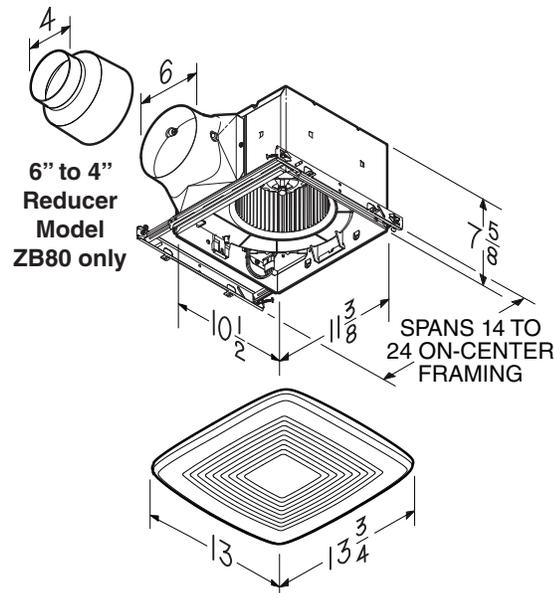
- Unique telescoping mounting frame fits through retrofit drywall opening to allow easy installation from the room side. No attic access needed!
- Captive screws allow for easy new construction installation.
- Mounting frame positioning tabs provide easy vertical positioning for new construction.
- Easy to insert and remove snap-in housing. No screws required!
- Easy to insert and remove snap-in blower.
- Inside or outside duct connector and knockout plate mounting provides flexibility for new construction or retrofit.

U.L. Listed for use over bathtubs and showers when connected to a GFCI protected branch circuit (ceiling mount only).

3-year warranty.



DIMENSIONS (Inches)



Model No.	Duct Size	Performance @ Static Pressure (Ps) - Inches Water Gage														Volts	Hz.	Nominal RPM
		0.100" Ps			0.125" Ps		0.250" Ps		0.375" Ps		0.500" Ps		0.625" Ps					
		CFM	Sones	Watts	CFM	Sones												
ZB80	4" Round	80	< 0.3	7.8	80	0.3	80	1.0	78	1.8	64	2.4	37	3.0	120	60	985	
	6" Round	80	< 0.3	6.1	80	< 0.3	80	0.6	78	1.4	66	2.2	38	3.0	120	60	935	
ZB110	6" Round	110	< 0.3	8.4	110	< 0.3	109	1.4	100	2.3	62	3.0	28	3.6	120	60	940	

Performance ratings include the effects of inlet grille and backdraft damper. Speed (RPM) shown is nominal. Performance is based on actual speed of test. The sound ratings are loudness values in fan zones at 5' (1.5m) in a spherical free field calculated per AMCA Std. 301. Values shown are for Installation Type B: free inlet hemispherical sone levels. Performance certified is for Installation Type B: Free inlet, Ducted outlet.

BROAN® ULTRA™ Series Ventilation Fan / Lights

UltraGreen™ Energy Saving DC Motor

- DC motor for efficiency well beyond ENERGY STAR® requirements.
- Multi-speed capability ideal for meeting ASHRAE 62.2, LEED and ENERGY STAR® for Homes requirements. Can be used to comply with CA Title 24, as well as local/spot ventilation needs.

UltraSilent™ Sound Technology

- State-of-the-art blower and duct outlet design smooths airflow.
- High tech DC motor designed for nearly silent operation.

UltraSmart™ Control Technology

- Powerful operation maintained over a wide range of real-world installations (CFM ratings maintained through at least 0.25" static pressure).
- Infinitely adjustable low cfm setting allows precise adjustment to prevent over-ventilating and maximize efficiency.
- Adjustable time delay sets how long fan will run on high speed before returning to a continuous lower speed.
- Rated for Continuous Operation.

UltraLucent™ Lighting Technology

Models ZB80L1, ZB110L1:

- Highly efficient, 18 Watt, integrated LED, dimmable
- LED lasts up to 25,000 hours
- Unique, low profile design for wide light pattern
- Even lens diffusion eliminates hotspots

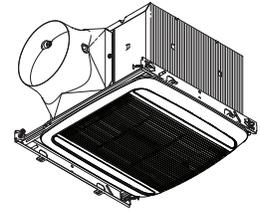
UltraQuick™ Installation Technology

- Unique telescoping mounting frame fits through retrofit drywall opening to allow easy installation from the room side. No attic access needed!
- Captive screws allow for easy new construction installation.
- Mounting frame positioning tabs provide easy vertical positioning for new construction.
- Easy to insert and remove snap-in housing. No screws required!
- Easy to insert and remove snap-in blower.
- Inside or outside duct connector and knockout plate mounting provides flexibility for new construction or retrofit.

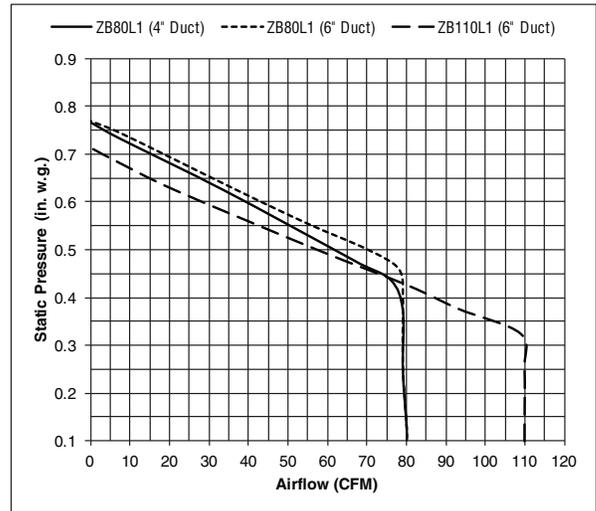
U.L. Listed for use over bathtubs and showers when connected to a GFCI protected branch circuit (ceiling mount only).

U.L. Listed for use in insulated ceilings (Type IC).

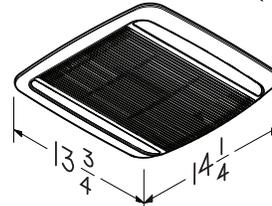
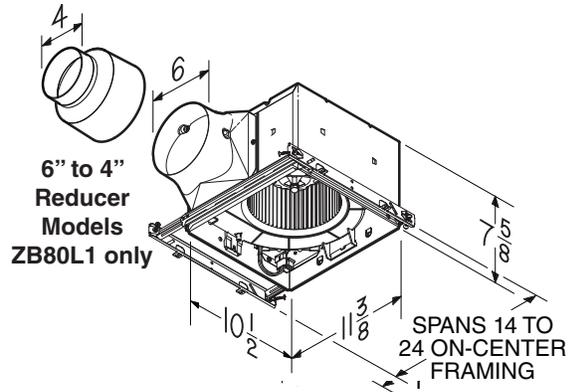
3-year warranty on product, 1-year warranty on bulbs.



Models
ZB80L1, ZB110L1



DIMENSIONS (Inches)



Models ZB80L1, ZB110L1



Model No.	Duct Size	Performance @ Static Pressure (Ps) - Inches Water Gage														Volts	Hz.	Nominal RPM
		0.100" Ps			0.125" Ps		0.250" Ps		0.375" Ps		0.500" Ps		0.625" Ps					
		CFM	Sones	Watts	CFM	Sones												
ZB80L1	4" Round	80	< 0.3	8.3	80	0.3	79	0.9	78	1.6	62	2.1	34	3.0	120	60	1020	
	6" Round	80	< 0.3	6.7	80	< 0.3	79	0.6	79	1.4	68	2.1	37	3.0	120	60	980	
ZB110L1	6" Round	110	0.3	9.3	110	0.4	110	1.1	93	1.9	57	3.0	22	3.6	120	60	980	

Performance ratings include the effects of inlet grille and backdraft damper. Speed (RPM) shown is nominal. Performance is based on actual speed of test. The sound ratings are loudness values in fan sones at 5' (1.5m) in a spherical free field calculated per AMCA Std. 301. Values shown are for Installation Type B: free inlet hemispherical sone levels. Performance certified is for Installation Type B: Free inlet, Ducted outlet.

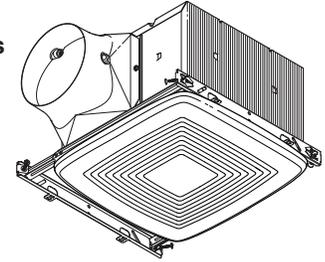
NuTone™ ULTRA™ Series Ventilation Fans

UltraGreen™ Energy Saving DC Motor

- DC motor for efficiency well beyond ENERGY STAR® requirements.
- Multi-speed capability ideal for meeting ASHRAE 62.2, LEED and ENERGY STAR® for Homes requirements. Can be used to comply with CA Title 24, as well as local/spot ventilation needs.



Models
ZN80
ZN110

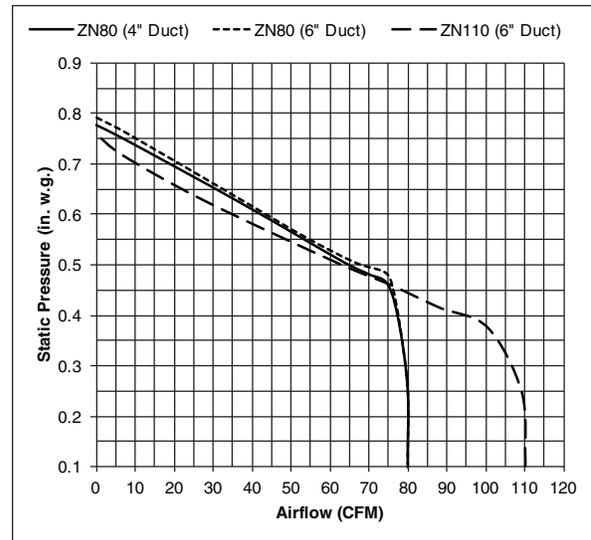


UltraSilent™ Sound Technology

- State-of-the-art blower and duct outlet design smooths airflow.
- High tech DC motor designed for nearly silent operation.

UltraSmart™ Control Technology

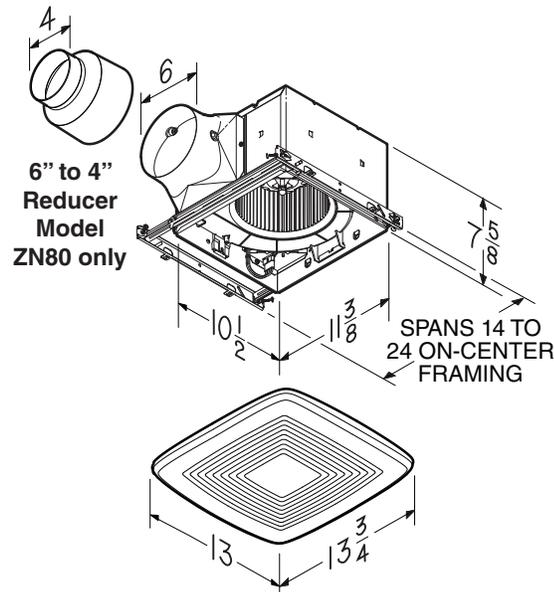
- Powerful operation maintained over a wide range of real-world installations (CFM ratings maintained through at least 0.25" static pressure).
- Infinitely adjustable low cfm setting allows precise adjustment to prevent over-ventilating and maximize efficiency.
- Adjustable time delay sets how long fan will run on high speed before returning to a continuous lower speed.
- Rated for Continuous Operation.



UltraQuick™ Installation Technology

- Unique telescoping mounting frame fits through retrofit drywall opening to allow easy installation from the room side. No attic access needed!
- Captive screws allow for easy new construction installation.
- Mounting frame positioning tabs provide easy vertical positioning for new construction.
- Easy to insert and remove snap-in housing. No screws required!
- Easy to insert and remove snap-in blower.
- Inside or outside duct connector and knockout plate mounting provides flexibility for new construction or retrofit.

DIMENSIONS (Inches)



U.L. Listed for use over bathtubs and showers when connected to a GFCI protected branch circuit (ceiling mount only).

3-year warranty.



Model No.	Duct Size	Performance @ Static Pressure (Ps) - Inches Water Gage														Volts	Hz.	Nominal RPM
		0.100" Ps		0.125" Ps		0.250" Ps		0.375" Ps		0.500" Ps		0.625" Ps						
		CFM	Sones	Watts	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones				
ZN80	4" Round	80	< 0.3	7.8	80	0.3	80	1.0	78	1.8	64	2.4	37	3.0	120	60	985	
	6" Round	80	< 0.3	6.1	80	< 0.3	80	0.6	78	1.4	66	2.2	38	3.0	120	60	935	
ZN110	6" Round	110	< 0.3	8.4	110	< 0.3	109	1.4	100	2.3	62	3.0	28	3.6	120	60	940	

Performance ratings include the effects of inlet grille and backdraft damper. Speed (RPM) shown is nominal. Performance is based on actual speed of test. The sound ratings are loudness values in fan sones at 5' (1.5m) in a spherical free field calculated per AMCA Std. 301. Values shown are for Installation Type B: free inlet hemispherical sone levels. Performance certified is for Installation Type B: Free inlet, Ducted outlet.

BROAN® Lo-Pro Series Ventilation Fan

BLOWER:

- Plug-in, permanently lubricated motor - engineered for continuous operation
- Dynamically balanced centrifugal blower wheel for quiet, efficient performance
- Low RPM for quiet operation

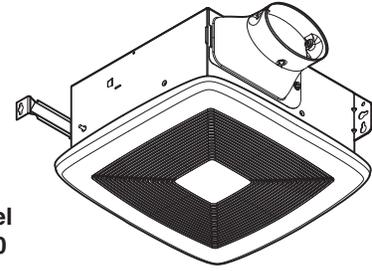
HOUSING:

- Rugged, galvanized steel construction
- Metal, 4" oval duct connector with no metallic clatter
- Includes 4" oval to 3" round duct reducer
- 4" height allows for 2" x 4" wall or ceiling installation
- Sturdy, easy, mounting directly to stud or joist
- Can be mounted in flat ceilings, sloped ceilings up to 12/12 pitch, and walls

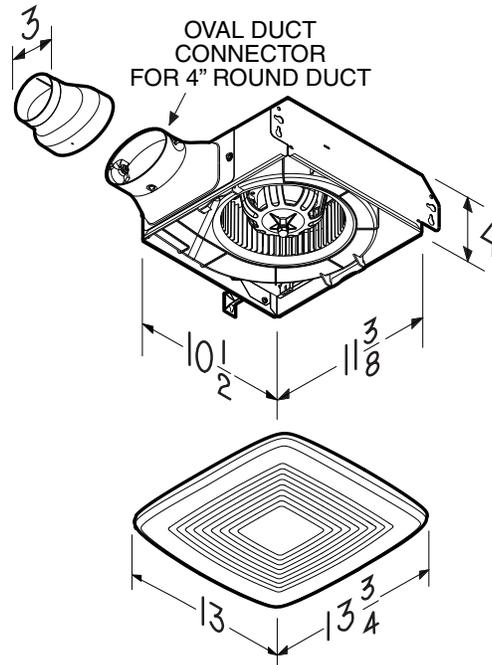
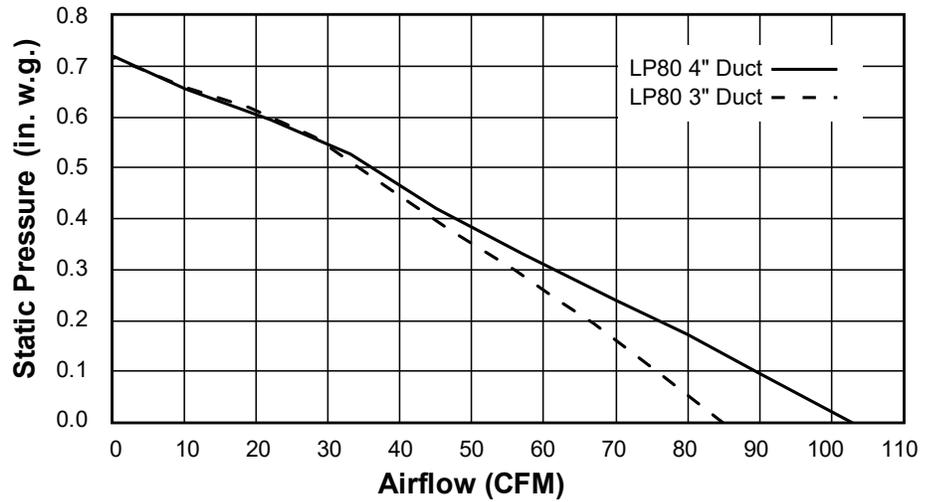
GRILLE:

- Polymeric construction
- Innovative design - the result of extensive research with designers and consumers

U.L. Listed for use over bathtubs and showers when connected to a GFCI protected branch circuit (ceiling mount only).



Model LP80



Performance ratings include the effects of inlet grille and backdraft damper. Speed (RPM) shown is nominal. Performance is based on actual speed of test. The sound ratings are loudness values in fan sones at 5' (1.5m) in a spherical free field calculated per AMCA Std. 301. Values shown are for installation Type B: free inlet spherical sone levels. Performance certified is for Installation Type B: Free inlet, Ducted outlet.

Model No.	Nominal voltage	Performance @ Static Pressure (Ps) - Inches Water Gage								Duct size	Nominal RPM	Max. amps	Hz	Watts
		0.000" Ps		0.100" Ps		0.125" Ps		0.250" Ps						
		CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones					
LP80	120	104	0.6	92	0.7	86	0.8	56	1.2	4" Oval	713	0.3	60	25.7
		85	0.8	77	1	74	1.2	65	1.7	3" Round	820			25.0

BROAN® QT Series Ventilation Fan

BLOWER:

- Plug-in, permanently lubricated motor - engineered for continuous operation
- Dynamically balanced centrifugal blower wheel for quiet, efficient performance
- Low RPM for quiet operation
- Airflow-smoothing baffles reduce turbulence

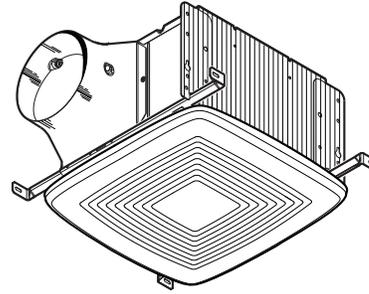
HOUSING:

- Rugged, galvanized steel construction
- 6" round duct connector with tapered sleeve and no metallic clatter
- 7-5/8" height allows for 2" x 8" ceiling installations
- Sturdy, easy, four-point mounting directly to joist
- Includes unique, patented spacer for mounting to engineered "I" joists
- Includes hanger bars to position housing anywhere between 16" to 24"-on-center joists
- Can be mounted in ceilings up to 12/12 pitch

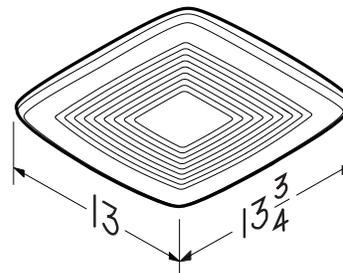
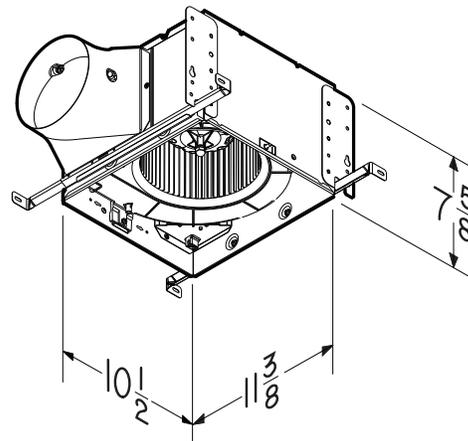
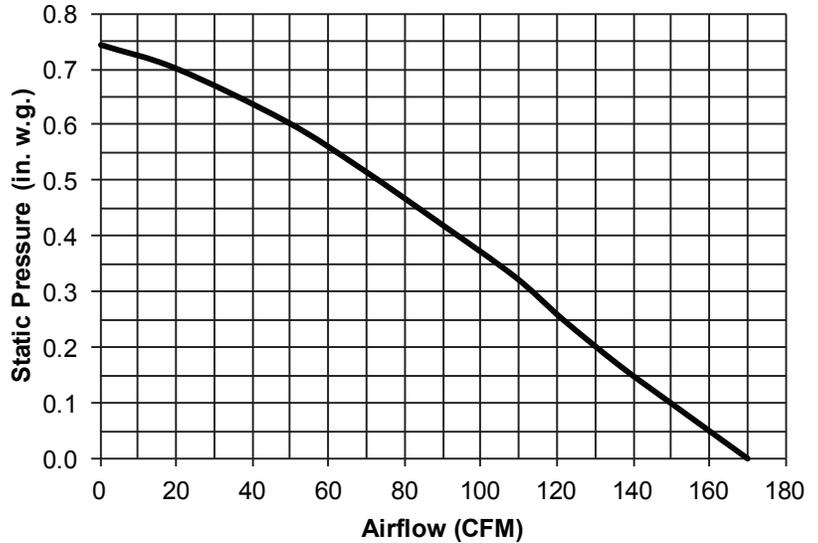
GRILLE:

- Polymeric construction
- Innovative design - the result of extensive research with designers and consumers

U.L. Listed for use over bathtubs and showers when connected to a GFCI protected branch circuit (ceiling mount only).



Model
QTXE150



Performance ratings include the effects of inlet grille and backdraft damper. Speed (RPM) shown is nominal. Performance is based on actual speed of test. The sound ratings are loudness values in fan sones at 5' (1.5m) in a spherical free field calculated per AMCA Std. 301. Values shown are for installation Type B: free inlet spherical sone levels. Performance certified is for Installation Type B: Free inlet, Ducted outlet.

Model No.	Nominal voltage	Performance @ Static Pressure (Ps) - Inches Water Gage								Duct size	Nominal RPM	Max Amps	Hz	Watts
		0.000" Ps		0.100" Ps		0.125" Ps		0.250" Ps						
		CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones					
QTXE150	120	174	0.5	159	0.5	149	0.6	135	0.9	6" Round	750	0.5	60	42.8