



Phone: 541-772-2690  
 2113 Delta Waters Road, Medford, Oregon 97504  
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 800-848-7339

# Submittal

PROJECT: **Table Rock Motel- Phase 2**  
 LOCATION: **Bandon, OR**  
 ARCHITECT: **HGE Architects**  
 ENGINEER: **MFIA**  
 CONTRACTOR: **Umpqua Sheetmetal**  
 DATE SUBMITTED: **11/23/2021**  
 PROJECT MANAGER: **Josh McKibben** EMAIL: [jmckibben@johnsonair.com](mailto:jmckibben@johnsonair.com)  
 ACCOUNT MANAGER: **Josh Fuchs** EMAIL: [jfuchs@johnsonair.com](mailto:jfuchs@johnsonair.com)  
 PLAN DATE: **9/21/2021**  
 ADDENDUMS: **1**

WE ARE PLEASED TO SUBMIT THE FOLLOWING LIST OF EQUIPMENT FOR APPROVAL. BASED UPON INFORMATION RECEIVED WE BELIEVE THIS MATERIAL CONFORMS TO THE SPECIFICATIONS. IT SHALL REMAIN THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SIZES AND QUANTITIES PRIOR TO ORDER RELEASE. MATERIAL WILL BE RELEASED TO PRODUCTION UPON RETURN OF APPROVED SUBMITTALS TO JOHNSON AIR PRODUCTS AT 2220 S.E. 9TH AVE., PORTLAND, OREGON 97214.

MATERIAL SUBMITTED: **Fans and Vents**  
 SPECIFICATIONS: **23 3400**  
 MANUFACTURER: **Panasonic/Broan**

SHOP DRAWINGS AND PRODUCT DATA



Checking is only for general conformance with the design concept of the project and general compliance with the information given in the contact documents. Any action shown is subject to the requirements of the plans and specifications. Contractor is responsible for: Dimensions, which shall be confirmed and correlated at the job site; fabrication processes and techniques of construction; coordination of his work with that of all other trades; and the satisfactory performance of this work.

- NO EXCEPTION TAKEN
- REVIEWED AS NOTED
- REVISE AND RESUBMIT

DATE: 3-7-22 SIGNED: MATT AUTREY

(Please see attached literature)

**FAN SCHEDULE**

QTY	TAG	MANUFACTURER	MODEL NUMBER	CFM	ESP IN. H2O	Motor		Electrical			SONES	WEIGHT	NOTES
						DRIVE	RPM	VOLTS	PHASE	WATTS			
						14	EF-1	PANASONIC	FV-0511VKSL2	30/80			
1	EF-2	BROAN	L100	100	0.125	NA	1250	120	1	100	0.9	22.8	
1	EF-3	BROAN	100	100	0.125	NA	1250	120	1	100	0.9	22.8	

### Specification Submittal Data / Panasonic Ventilation Fan/Light

#### Description

Customizable ceiling mount ventilating fan, low sone and rated for continuous operation. ENERGY STAR® rated and certified by the Home Ventilating Institute (HVI). Evaluated by the Underwriters Laboratories and conforms to both UL and cUL standards.

#### Motor/Blower:

- Enclosed brushless ECM smart motor technology rated for continuous operation
- Adjustable ventilation rates at 50 – 80 – 110 CFM
- Power rating of 120 volts and 60 Hz
- UL and cUL listed for tub/shower enclosure when GFCI protected
- Motor equipped with thermal cutoff fuse
- Removable permanently lubricated plug-in motor

#### Housing:

- Environmentally friendly 26 gauge housing using Zinc-Aluminum-Magnesium (ZAM) coating
- Integrated dual 4" or 6" diameter duct adapter
- Built-in damper reduces back draft and helps with blower door testing
- Built-in metal flange provides blocking for penetrations through drywall as an Air Barrier, and assists with the decrease in leakage in the Building Envelope during blower door testing
- Suitable for installation in ceilings insulated up to R60
- Articulating and expandable installation bracket up to 24"

#### Grille:

- Attractive design using Poly Pro material
- Attaches directly to housing with torsion springs
- Includes a motion sensor cap for use as a cover when the motion sensor Plug 'n Play™ module has not been selected

#### Warranty:

- ECM Motor: 6 Years from original purchase date
- LED Panel: 5 Years from original purchase date
- ALL Parts: 3 Years from original purchase date



Includes 10 Watt Dimmable LED chip panel/3000 Kelvin Warm White/90CRI/700 lumens/70 LPW/ENERGY STAR 2.0 certified/JA-8 compliant for CA Title 24/50,000 hours rated average life /<1W one LED night light included.

#### Architectural Specifications:

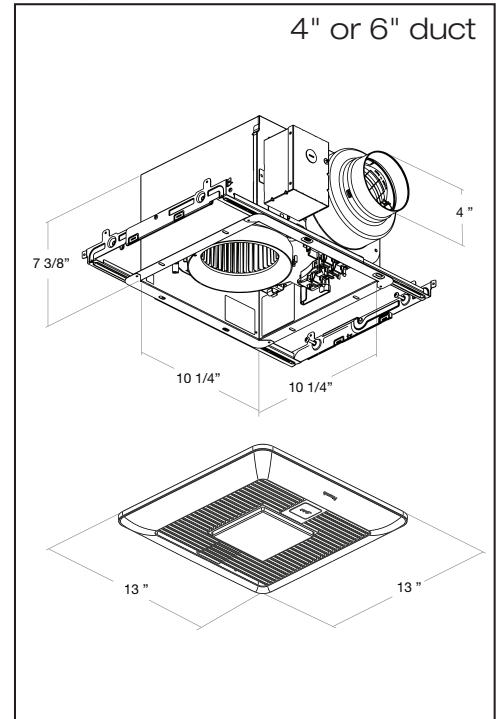
Customizable ceiling mount ventilation fan, ENERGY STAR® rated with multi-speed control (0, 30-100 CFM, in 10 CFM increments) and a built-in high/low adjustable time delay activated by a wall switch, SmartAction Motion Sensor Plug 'N Play™ module or Condensation Sensor Plug 'N Play™ module. Features a built-in speed selector. Select from 50/80/110 CFM with no more than <0.3/<0.3/0.4 sone as certified by the Home Ventilating Institute (HVI) at 0.1 w.g. with 50/80/110 CFM and no more than 0.4/0.5/0.8 sones at 0.25 w.g. and 50/78/103 CFM at 0.375 w.g. Power Consumption shall be no greater than 3.2/5.3/10.5 watts at 0.1 w.g. and 6.2/9.9/15.8 watts at 0.25 w.g. and 9.9/13.8/19.4 watts at 0.375 w.g. ENERGY STAR® rated with efficiency of no less than 15.7/15.3/10.5 CFM/watt at 0.1 w.g. and 8.1/8.2/6.9 CFM/watt at 0.25 w.g. and 5.1/5.6/5.2 CFM/watt at 0.375 w.g. The motor shall be enclosed with brushless ECM motor engineered to run continuously. ECM motor speed shall automatically increase when the fan senses static pressure to maintain selected CFM. Power rating shall be 120v/60Hz. Duct diameter shall be no less than 4", inclusive of an integrated dual 4" or 6" duct adapter. **Plug 'N Play™ modules** provide up to two additional features. Select from Condensation Sensor, and SmartAction Motion Sensor. LED dimmable type lamp with (1) 10W ENERGY STAR® 2.0 certified, JA-8 compliant for CA Title 24, LED chip panel that maintains 50,000 hours rated average life and incorporates a <1W LED night light. Fan shall be RoHS Compliant and UL and cUL listed for tub/shower enclosure when GFCI protected. Also suitable for installation in ceilings insulated up to R60. Fan can be used to comply with ASHRAE 62.2, LEED, ENERGY STAR®, IAP, EarthCraft, California Title-24 and WA Ventilation Code.



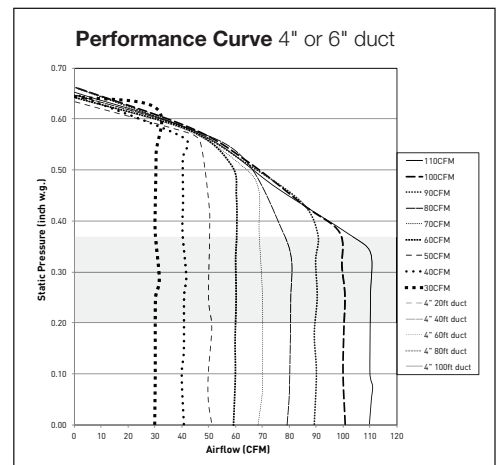
#### ECM Motor Technology:

When fan senses static pressure, its speed is automatically increased to ensure that the desired CFM is not compromised, which allows the fan to perform as rated.

selected model includes specified lighting options



FV-0511VKSL2



\*Industry research indicates static pressure in typical installations ranges from 0.20" to 0.375"

Model	Quantity	Comments	Project:
			Location:
			Architect:
			Engineer:
			Contractor:
			Submitted by:
			Date:

For complete Installation Instructions visit [us.panasonic.com/ventfans](http://us.panasonic.com/ventfans)

## Plug 'N Play™ Modules

Plug 'N Play™ modules provide up to **two** features (multi-speed is already built-in to FV-0511VKSL2). Select from Motion Sensor and Condensation Sensor.



### FV-VS15VK1: Multi-Speed with Time Delay - N/A for this Fan, already built-in.

Allows you to select the proper CFM settings to satisfy ASHRAE 62.2 continuous ventilation requirements. The fan runs continuously at a pre-set lower level (0, 30-100 CFM, in 10 CFM increments), then elevates to a maximum level of operation (50-80-110 CFM) when the wall switch is turned on, or when the motion sensor or Condensation Sensor module is activated. A High/Low delay timer returns the fan to the pre-set CFM level after a period of time set by the user.



### FV-MSVK1: Motion Sensor

Automatically activates when someone enters the room. Once the settings have been applied, the fan becomes truly automatic. This module also activates a 20 minute delay off timer for the fan.



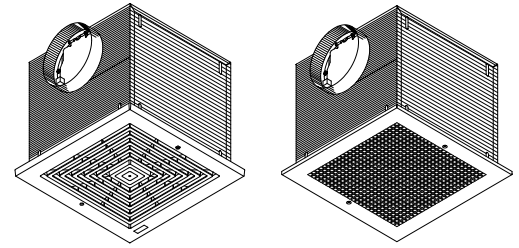
### FV-CSVK1: Condensation Sensor

Helps control bathroom condensation to prevent mold and mildew. Sensor technology detects relative humidity and temperature to anticipate dew point, automatically turning the fan on to control humidity. Built-in Relative Humidity (RH) sensitivity adjustment enables fine tuning for moist conditions and for satisfying CalGreen requirements. When the condensation sensor is used in conjunction with multi-speed functionality, the fan will kick up to high speed when the condensation sensor detects moisture in the room. This module also activates a 20 minute delay off timer for the fan.

Fan Specifications	WhisperGreen Select™: FV-0511VKSL2																													
Static Pressure in inches w.g.	0.1	0.25	0.375	0.1	0.25	0.375	0.1	0.25	0.375	0.1	0.25	0.375	0.1	0.25	0.375	0.1	0.25	0.375	0.1	0.25	0.375	0.1	0.25	0.375	0.1	0.25	0.375	0.1	0.25	0.375
Air Volume (CFM)	110	110	103	100	101	99	90	90	90	80	80	78	70	70	69	60	60	60	50	50	50	40	41	40	30	30	30			
Noise (sones)	0.4	0.8	-	<0.3	0.8	-	<0.3	0.6	-	<0.3	0.5	-	<0.3	0.5	-	<0.3	0.4	-	<0.3	0.4	-	<0.3	0.4	-	<0.3	0.4	-			
Power Consumption (watts)	10.5	15.8	19.4	8.2	13.6	18.0	6.7	11.6	15.9	5.3	9.9	13.8	4.6	8.7	12.3	3.7	7.2	10.4	3.2	6.2	9.9	2.7	5.5	8.1	2.5	4.8	7.0			
Energy Efficiency (CFM/Watt)	10.5	6.9	5.2	12.2	7.4	5.5	13.5	7.8	5.7	15.3	8.2	5.6	15.8	8.4	5.8	16.2	8.4	5.8	15.7	8.1	5.1	14.8	7.4	4.9	12.0	6.3	4.3			
Speed (RPM)	958	1203	1375	908	1194	1372	868	1160	1357	811	1127	1341	785	1118	1321	750	1082	1282	730	1066	1281	710	1062	1275	720	1067	1272			
Current (amps)	0.11	0.16	0.19	0.09	0.14	0.18	0.08	0.12	0.16	0.06	0.10	0.14	0.06	0.10	0.13	0.05	0.08	0.11	0.04	0.07	0.10	0.04	0.07	0.09	0.04	0.06	0.08			
MAX. Current (amps)	0.19																													
Power Rating (V/Hz)	120/60																													
ENERGY STAR rated	Yes																													

\*Industry research indicates static pressure in typical installations ranges from 0.20" to 0.375"

## LOSONE SELECT® CEILING MOUNT VENTILATORS L100 SERIES & L150 SERIES



**Incredibly reliable. Unbelievably quiet. Offering the CFM choices you need at the lowest sound levels in the industry.**

### FEATURES

#### GRILLE:

- Conceals interior
- Low profile styling blends with any decor
- White polymeric ("MG" models - metal, finished with white painted enamel)

#### BLOWER:

- Low RPM for quiet operation
- Resilient anti-vibration mounts
- Dynamically-balanced, polymeric, centrifugal blower wheel for quiet, efficient performance
- Permanently lubricated, thermally protected motor
- Plug-in motor rated at 120 VAC
- Designed for continuous operation

#### HOUSING:

- Rugged, 20 gauge galvanized steel
- 6" round duct connector
- 1/2" acoustic insulation inside
- May be installed in ceiling or wall (size permitting)
- 8-position mounting brackets for easy installation and greater adaptability to various mounting requirements
- Automatic backdraft damper located within duct connector
- Factory-shipped in horizontal discharge position - easily converted to vertical discharge
- May be installed as an in-line ventilator with addition of accessory kit Model 961L (see "Accessories")

#### ACCESSORIES (purchase all separately):

- Model 57V (Ivory) / 57W (White) Electronic Variable Speed Control
- Model 59V (Ivory) / 59W (White) 60-Minute Time Control
- Model 61V (Ivory) / 61W (White) 15-Minute Time Control
- Model 71V (Ivory) / 71W (White) 12-Hour Time Control
- Electronic Variable Speed Controls – Model 72V (120 VAC)
- Model 961L In-line Adapter Plate
- Model RD1 Radiation Damper
- Model 80L Electronic Speed Control (Internal)

### TYPICAL SPECIFICATION

Ventilator shall be Broan Model L100, (L100MG), (L150), (L150MG).

Ventilator shall have galvanized steel housing insulated with at least 1/2" of acoustic insulation. Housing to have adjustable mounting brackets.

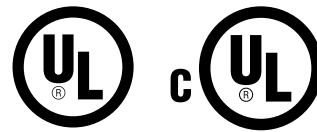
Automatic backdraft damper to be located within duct connector. Duct connector, blower assembly and wiring plate shall be adjustable for either horizontal or vertical installation.

Blower unit shall be removable from housing and will have a polymeric, dynamically balanced centrifugal-type blower wheel. Motor to be permanently lubricated and mounted with resilient anti-vibration mounts. RPM not to exceed number listed for each model.

Air delivery shall be no less and sound levels no greater than listed for each model. All air and sound ratings shall be certified by AMCA. Units to be UL and cUL listed.



"Broan-NuTone LLC certifies that the models shown herein 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"



Models L100 and L150 are UL listed for use over bathtubs and showers when connected to a GFCI-protected branch circuit.

**Broan-NuTone LLC**, 926 West State Street, Hartford, Wisconsin 53027 (1-800-637-1453)  
**Broan-NuTone Canada**, 1140 Tristar Drive, Mississauga, Ontario, L5T 1H9 (1-888-882-7626)

REFERENCE	QTY.	REMARKS	Project
			Location
			Architect
			Engineer
			Contractor
			Submitted by <span style="float: right;">Date</span>

# PERFORMANCE RATINGS - LOSONE SELECT® CEILING MOUNT VENTILATORS L100 SERIES & L150 SERIES

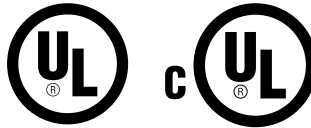
## AMCA LICENSED PERFORMANCE

CFM / SONES - AT STATIC PRESSURES (Ps - inches of H <sub>2</sub> O)																
MODEL NO.	NOMINAL VOLTAGE		0.0" Ps	.10" Ps	.125" Ps	.250" Ps	.375" Ps	.50" Ps	.625" Ps	.750" Ps	.875" Ps	1.0" Ps	NOMINAL RPM	AMPS @60 Hz	WATTS	
L100	120 VAC	CFM Hor.	136	115	109	93	80	65	44	12			640	1.1	87	
		SONES Hor.	0.5	0.8	0.9	1.3	1.8	2.3	3.0	3.2						
		CFM Ver.	138	117	112	94	80	67	46	13				650	1.1	87
		SONES Ver.	0.7	0.9	1.0	1.3	1.8	2.2	2.8	3.0						
L100MG	120 VAC	CFM Hor.	140	115	110	92	78	60	42	10			630	1.1	87	
		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	1.1	87
		SONES Ver.	0.5	0.8	0.9	1.4	1.8	2.3	2.9	3.1						
L150	120 VAC	CFM Hor.	181	161	157	141	132	124	114	94	62		710	1.3	100	
		SONES Hor.	1.3	1.4	1.5	2.2	2.6	3.1	3.6	4.1	4.6					
		CFM Ver.	179	163	160	149	142	133	122	105	73	23	750	1.3	100	
		SONES Ver.	1.4	1.6	1.6	2.0	2.5	3.0	3.3	3.6	3.9	4.2				
L150MG	120 VAC	CFM Hor.	180	163	160	143	130	118	102	76	50	10	710	1.3	100	
		SONES Hor.	1.1	1.4	1.4	1.9	2.3	2.8	3.2	3.8	4.1	4.5				
		CFM Ver.	180	163	160	143	130	118	102	76	50	10	725	1.3	100	
		SONES Ver.	1.4	1.6	1.6	2.0	2.5	3.0	3.3	3.6	4.0	4.4				

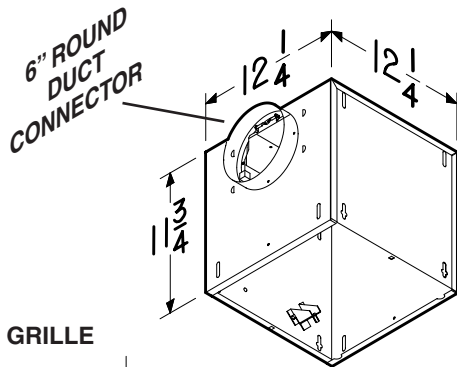
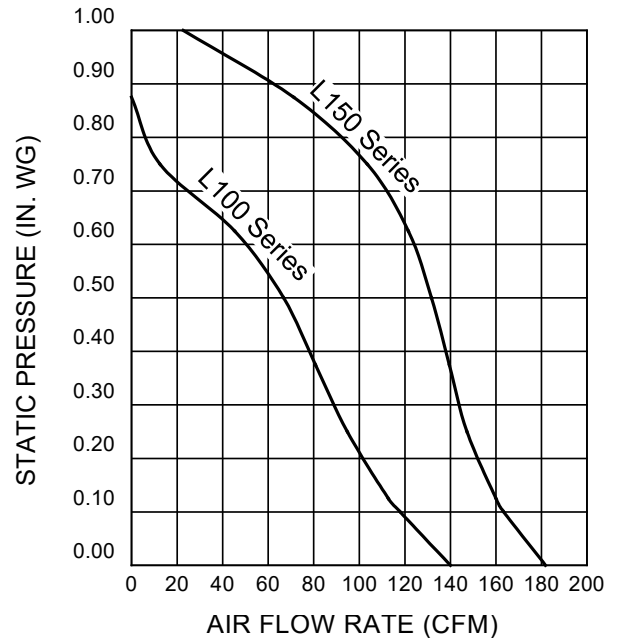
Performance ratings include the effects of inlet grille and backdraft damper in the airstream. Speed (RPM) shown is nominal. Performance is based on actual speed of test. The sound ratings shown are loudness values in fan sones at 5' (1.5m) in a hemispherical free field calculated per AMCA Std. 301.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



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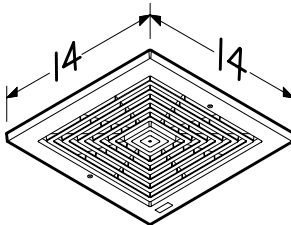


Models L100 and L150 are UL listed for use over bathtubs and showers when connected to a GFCI-protected branch circuit.



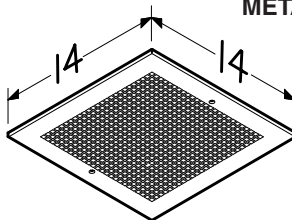
POLYMERIC GRILLE MODELS

L100  
L150



METAL GRILLE MODELS

L100MG  
L150MG



### WEIGHT

MODEL NO.	SHIPPING WT.
L100	22.8 lbs.
L100MG	23.7 lbs.
L150	23.1 lbs.
L150MG	23.7 lbs.



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