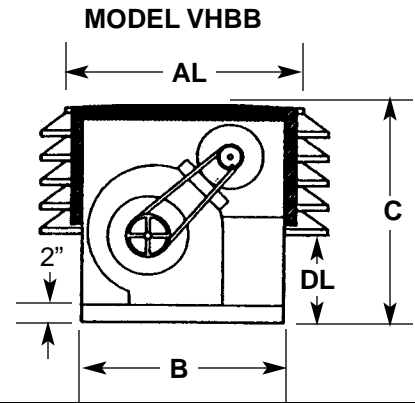
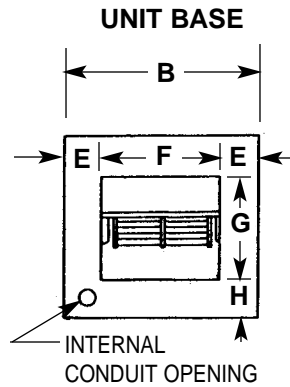
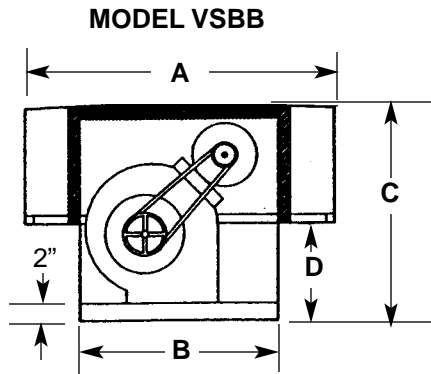


Imperial [IP] Dimensions  
Metric (SI) on Reverse

CARNES COMPANY, 448 S. Main St., P. O. Box 930040, Verona, WI 53593-0040 Phone (608) 845.6411 Fax: (608) 845.6470 carnes@carnes.com



DIMENSIONS LISTED IN INCHES														
Unit Size	A Sq. Hood O. D.	AL Sq. Hood O. D.	B Sq. Cap I. D.	C Height	D Stack	DL Stack	Qty. Tiers VHBB	E	Roof Opening			Weight [Lbs.]		1" Filters Qty. Nominal Size
									F	G	H	VSBB	VHBB	
08	29	34	19-3/4	19	9	8	3	5	8-3/4	9-5/8	6-9/16	125	100	4 - 10x16
10	37	43	28-1/4	29	13	13	4	7-1/4	11-3/4	13-5/8	8-3/16	225	175	4 - 16x25
12	37	43	28-1/4	29	13	13	4	6	13-3/4	16-1/8	7-3/16	250	200	4 - 16x25
15	45	45	32-1/8	30	14	14	4	6-1/2	16-1/4	19	7-3/4	350	260	4 - 16 x25
18	45	50	36-1/8	38	18	18	5	6-7/8	19-1/4	22-1/4	7	425	300	4 - 20x25
20	69	69	50-1/2	49	29	29	5	12-3/4	25-1/8	25-1/8	13-7/8	700	500	8 - 20x20

### STANDARD SPECIFICATIONS

- FORWARD CURVED DWDI STEEL BLOWER.
- PERMANENT WASHABLE 1" ALUMINUM FILTERS.
- L<sub>50</sub> = 200,000 HOURS BEARING LIFE.
- FACTORY MOUNTED NEMA 1 DISCONNECT.
- ADJUSTABLE MOTOR BASE.
- FACTORY MOUNTED MOTOR & DRIVES — RUN TESTED.

#### MODEL VSBB

- BOTTOM PAN — MINIMUM 12 GAUGE GALVANIZED.
- HOOD HOUSING — 18 GAUGE GALVANNEALED.
- LID — 18 GAUGE GALVANNEALED.
- STACK — 18 GAUGE GALVANNEALED.
- VIBRATION RAILS — 10 GAUGE GALVANIZED.

- PERMANENTLY LUBRICATED BALL BEARINGS.
- PRE-PUNCHED MOUNTING BASE.
- ADJUSTABLE DRIVES — 1.5 SERVICE FACTOR.
- INSULATED — EASY ACCESS LID.
- BLOWER STATICALLY & DYNAMICALLY BALANCED.
- INTERNAL RUBBER-IN-SHEAR VIBRATION RAILS.

#### MODEL VHBB

- BOTTOM PAN — MINIMUM 12 GAUGE GALVANIZED.
- LOUVERED HOUSING — ALUMINUM MITERED & WELDED.
- LID — .080 ALUMINUM.
- STACK — .080 ALUMINUM.
- VIBRATION RAILS — 10 GAUGE GALVANIZED.

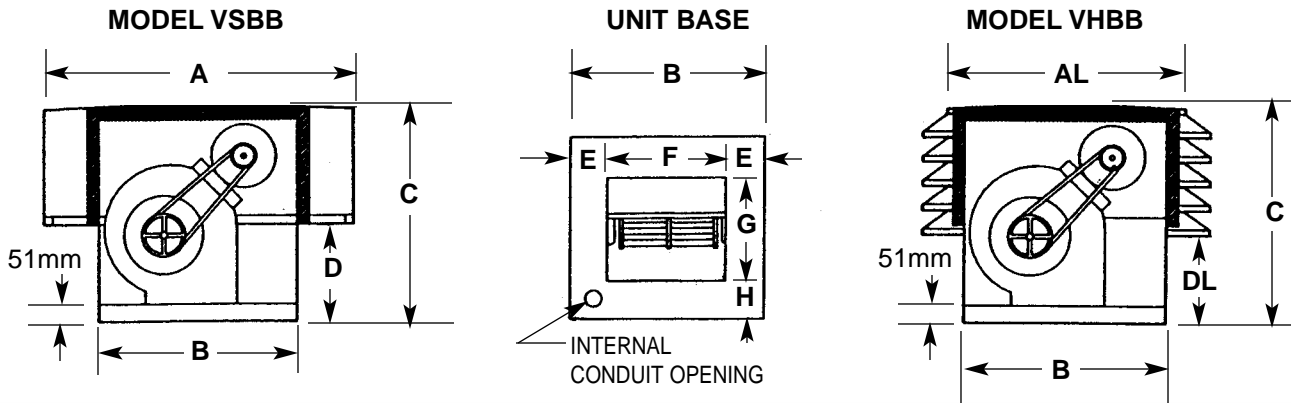
FAN NO. LOCATION	QTY	MODEL/SIZE	CFM	SP	FAN RPM	SONES	MOTOR			ACCESSORIES
							HP	ELECTRICAL	TYPE	

**NOTES:**

PROJECT:	ARCHITECT:
CONTRACTOR:	ENGINEER:
DATE:	SUBMITTED BY:

Metric (SI) Dimensions  
Imperial [IP] on Reverse

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**DIMENSIONS LISTED IN MILLIMETERS**

Unit Size	A Sq. Hood O. D.	AL Sq. Hood O. D.	B Sq. Cap I. D.	C Height	D Stack	DL Stack	Qty. Tiers VHBB	E	Roof Opening			Weight (Kg.)		25mm Filters Qty. Nominal Size
									F	G	H	VSBB	VHBB	
08	737	864	502	483	229	203	3	127	222	144	167	57	45	4 - 254x406
10	940	1092	718	737	330	330	4	184	298	346	208	102	79	4 - 406x635
12	940	1092	718	737	330	330	4	152	349	410	183	113	91	4 - 406x635
15	1143	1143	816	660	254	254	4	165	413	483	197	159	118	4 - 406x635
18	1143	1270	918	762	254	254	5	175	489	565	178	193	136	4 - 508x635
20	1753	1651	1283	1092	584	584	5	324	638	638	352	318	227	8 - 508x508

**STANDARD SPECIFICATIONS**

- FORWARD CURVED DWDI STEEL BLOWER.
- PERMANENT WASHABLE 25mm ALUMINUM FILTERS.
- L<sub>50</sub> = 200,000 HOURS BEARING LIFE.
- FACTORY MOUNTED NEMA 1 DISCONNECT.
- ADJUSTABLE MOTOR BASE.
- FACTORY MOUNTED MOTOR & DRIVES — RUN TESTED.

**MODEL VSBB**

- BOTTOM PAN — MINIMUM 12 GAUGE GALVANIZED.
- HOOD HOUSING — 18 GAUGE GALVANNEALED.
- LID — 18 GAUGE GALVANNEALED.
- STACK — 18 GAUGE GALVANNEALED.
- VIBRATION RAILS — 10 GAUGE GALVANIZED.

- PERMANENTLY LUBRICATED BALL BEARINGS.
- PRE-PUNCHED MOUNTING BASE.
- ADJUSTABLE DRIVES — 1.5 SERVICE FACTOR.
- INSULATED — EASY ACCESS LID.
- BLOWER STATICALLY & DYNAMICALLY BALANCED.
- INTERNAL RUBBER-IN-SHEAR VIBRATION RAILS.

**MODEL VHBB**

- BOTTOM PAN — MINIMUM 12 GAUGE GALVANIZED.
- LOUVERED HOUSING — ALUMINUM MITERED & WELDED.
- LID — 2.0 ALUMINUM.
- STACK — .080 ALUMINUM.
- VIBRATION RAILS — 10 GAUGE GALVANIZED.

FAN NO. LOCATION	QTY	MODEL/SIZE	CFM	SP	FAN RPM	SONES	MOTOR			ACCESSORIES
							HP	ELECTRICAL	TYPE	

**NOTES:**

PROJECT:			ARCHITECT:		
CONTRACTOR:	DATE:	SUBMITTED BY:	ENGINEER		