

# MODEL DB

## DOWNBLAST BELT DRIVE

## CENTRIFUGAL ROOF EXHAUSTER

### APPLICATION

Model DB belt drive units are used for the exhaust of relatively clean air from a wide range of commercial, industrial and institutional environments such as manufacturing and assembly plants, office buildings, schools, hospitals, restaurants, athletic facilities and many others.

The nonoverloading wheel with its higher static pressure capabilities makes this unit suitable for either ducted or nonducted applications. Its roof mounting permits location near the area to be ventilated, allowing short duct runs and more efficient operation.

The aluminum exterior provides an attractive appearance. Belt drive results in lower operating RPM and sound levels, making the Model DB well suited to applications where quiet operation is important. Belt drive also permits easy performance adjustments when needed to balance the total ventilation system.

### CONSTRUCTION

#### Housing

- Heavy-gauge aluminum for extra strength with prepunched mounting hole.
- Neoprene isolators for reduction of vibration and sound.
- Cover easily removed for quick access to motor compartment.
- Water tight conduit tube for easy electrical connection from below roof.
- Aluminum birdscreen and disconnect are included on standard models.
- Stainless steel exterior fasteners.

#### Centrifugal Wheel

- All aluminum backward inclined wheel.
- Nonoverloading for safe operation in ducted systems.
- Statically and dynamically balanced for smooth operation.

#### Drives

- Sized for minimum 150% of drive horsepower.
- Machined cast iron adjustable motor pulleys.
- Adjustable base for belt tensioning.
- Nonstatic oil resistant v-belts.



#### Motors

- Single speed open drip-proof are standard.
- All motors are rated for continuous duty.
- 182T and larger motors shipped unmounted for field installation.
- Disconnect switch standard with single speed drip-proof motors.

#### Bearings

- Heavy-duty ball bearing type.
- Prelubricated and permanently sealed.

### AMCA SEAL



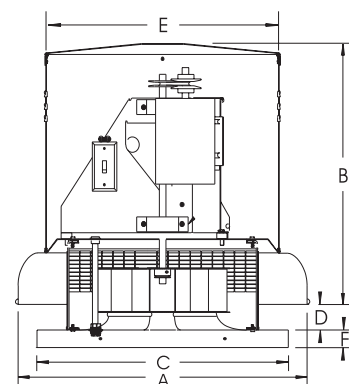
Breidert Air Products, Div. of Soler & Palau Ventilation Group certifies that the Models DB shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.



LISTED POWER ROOF VENTILATOR  
UL STANDARD 705

### DIMENSIONAL DATA

MODEL DB	A	B	C	D	MOTOR COVER OD	CURB CAP FLANGE	ROOF OPENING	Average Ship Wt. Lbs.
6-8-9	20 1/2	17 1/2	16 1/2	3 1/2	16 1/4	1 3/4	11 1/2	65
11-12-14	28 3/8	23	24	3 1/2	22 1/4	2	19 1/2	120
16	32 1/4	24	24	6	26 1/4	2 1/2	19 1/2	140
18	32 1/2	24	29 1/2	4 1/2	26 1/4	2 1/2	24 3/4	160
20	36 3/4	25	29 1/2	4 1/2	26 1/4	2 1/2	24 3/4	215
24	41 1/4	26 1/2	35 3/4	7 1/2	30	2 1/2	30 3/4	270



MODEL DB	RECOMMENDED 12" HIGH MOUNTING CURB		RECOMMENDED GRAVITY DAMPER		FAN LESS MOTOR & DRIVE
	OD	STOCK NO.	OD	STOCK NO.	STOCK NO.
6-8-9	15	611214	11	411011	DB06LMDS-DB08LMDS-DB09LMDS
11-12-14	22 1/4	611222	18	411018	DB11LMDS-DB12LMDS-DB14LMDS
16	22 1/4	611222	18	411018	DB16LMDS
18	27 3/4	611227	24	411024	DB18LMDS
20	27 3/4	611227	24	411024	DB20LMDS
24	33 3/4	611233	30	411030	DB24LMDS

ALL DIMENSIONS IN INCHES, WEIGHTS IN POUNDS. OD IS OUTSIDE DIMENSION OF SQUARE CURB AND DAMPER. DUE TO CONTINUING RESEARCH, BREIDERT RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.