

MODEL CWD

DIRECT DRIVE CENTRIFUGAL SIDEWALL EXHAUSTER

APPLICATION

Models CWD are used to exhaust relatively clean air from a variety of industrial, commercial and institutional buildings such as machinery and equipment rooms, storage areas, office buildings, restaurants, retail stores, schools and similar buildings.

The nonoverloading centrifugal wheel with its high static pressure capability, makes it suitable for either ducted or nonducted applications.

The spun aluminum exterior provides a pleasing appearance, weather proof construction and resistance to corrosion. The low silhouette design is less noticeable on the building exterior and the removable dome provides easy access to the fan interior for service and cleaning.

Direct drive units use smaller diameter wheels, resulting in low sound levels and quiet operation. They have no belts or fan bearings to maintain or adjust and consequently require very little maintenance.

CONSTRUCTION

Housing

- Spun aluminum dome for weather protection and attractive appearance.
- Ventilated motor compartment with motor out of air stream for long trouble-free service.
- Dome easily removes for access to motor compartment.
- Weather-tight construction with aluminum birdscreen.
- Round duct connection provided at wheel inlet.

Centrifugal Wheel

- Nonoverloading backward inclined for safe operation in ducted systems.
- Statically and dynamically balanced for smooth, quiet operation.

Motors

- Speed controllable motors available on most models.
- Single speed open drip-proof are standard.
- Plug disconnect switch standard with single speed drip-proof motors.

DIMENSIONAL DATA

MODEL CWD	A	B	C	D	E	G	Average Ship Wt. Lbs.
7	15	8	5 5/16	1 1/2	8	8	15
8	20	9	9 15/16	2	12	11	25
9	26	13 1/2	11 15/16	3	15	14	37
10	26	13 1/2	11 15/16	3	15	14	37
12	30	15 1/2	13 15/16	3	17 1/2	14	50
14	36	16 1/2	17 15/16	4	22	18	84

MODEL CWD	RECOMMENDED GRAVITY DAMPER		115 VOLT SPEED CONTROL	230 VOLT SPEED CONTROL
	OD	STOCK NO.	STOCK NO.	STOCK NO.
7	8 x 8	411008	2727.1	N/A
8	11 x 11	411011	2727.1	N/A
9	14 x 14	411014	2727.1	3232.1
10	14 x 14	411014	2727.1	3232.1
12	14 x 14	411014	2727.1	3232.1
14	18 x 18	411018	2828.1	3232.1

SPEED CONTROL **2727.1 MAX 1/3 HP-5 AMP 120V**
2828.1 MAX 1/2 HP-10 AMP 120V

ALL DIMENSIONS IN INCHES, WEIGHTS IN POUNDS.

DUE TO CONTINUING RESEARCH, BREIDERT RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.



ACCESSORIES

Solid State Speed Control:

Control is matched to the motor and blower wheel to allow continuous reduction in performance allowing adjustments of airflow for system balancing. CFM is reduced in direct proportion to motor speed reduction. Speed control is only available for 115 volt single phase. Exhauster performance can be controlled from the ventilated area.

AMCA SEAL



Breidert Air Products, Div. of Soler & Palau Ventilation Group certifies that the Models CWD 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

