

BIG DOG™

72" Ventilator



“The **BIG DOG™ ventilator kicks butt!”**

Schaefer's 72" **BIG DOG™** ventilator is the right answer for large area cooling and de-stratification. Unlike HVLS (high volume, low speed) ceiling fans that move a lot of air very slowly with very little cooling effect, Schaefer's 72" **BIG DOG™** ventilator moves a lot of air (45,000+ cfm) at high speed for efficient and effective summer personnel or equipment cooling and can be also be slowed down to move less air more slowly for winter de-stratification (getting the trapped hot air down from the ceiling) for dramatic heating bill savings.



Product Description

The 72" **BIG DOG™** ventilator is a 72" diameter, 3 Hp, belt-drive, fiberglass, 6-wing (aluminum), variable speed circulation fan fitted with 6 fully adjustable fiberglass air deflectors, allowing the air stream to be aimed wherever it is needed.

The optional variable frequency drive allows a smooth speed adjustment from 300 RPM to 50 RPM. Power consumption ranges from 2,200 watts to 300 watts.

The **BIG DOG™** can be hung from the ceiling or post/wall mounted using optional post/wall mount hardware. The **BIG DOG™** should be mounted at least 14 feet high, for optimal air distribution, and at least 8 feet from the ceiling to avoid choking the fan's air supply. The **BIG DOG™** can be mounted horizontally, with the deflectors spreading the heat both left and right, or can be mounted on an angle with the deflectors pointing in the same direction the fan is already pointing.

At full power, the air speed at the fan outlet is approximately 1,500 FPM (feet per minute) with total airflow of approximately 45,000 cfm (cubic feet per minute) and with an efficiency of greater than 20 cfm/watt. High efficiency results from the shape of the fan's venturi (cone) and the air straightening effect of the galvanized motor mounts. Air speed at ground level is dependent on the orientation of the deflectors, but can easily be in excess of a refreshing 100 FPM over an area 200' long by 35' wide, or 7,000 square feet.



At full speed, the **BIG DOG™** is a large area personnel or equipment cooler. At lower speed, the **BIG DOG™** is an air de-stratifier, redistributing trapped hot air from the ceiling and dramatically reducing heating bills. **BIG DOG™** is easy to install and is extremely quiet and efficient at all speeds.



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Features & Benefits

- 72" diameter, 3 Hp, belt drive, fiberglass, aluminum 6-wing, variable speed, circulation fan.
- Fitted with 6 fully adjustable fiberglass air deflectors to aim the airflow where desired.
- Air pattern shape and velocity is adjustable with air deflector angle and fan orientation.
- 208/230/460V 3-Phase and 230V 1-Phase models available.
- Optional variable speed drive allows smooth speed adjustment from 50 RPM to 300 RPM.
- At 300 RPM, total airflow of 45,000+ cfm cools a 200' x 35' area with air speeds in excess of 100 FPM using 2,200 watts of power.
- At 50 RPM, total airflow of 7,500 cfm de-stratifies 10,000+ square feet using 300 watts of power.
- Long life components. Corrosion resistant fiberglass housing, heavy-duty pulley and bearing assembly, maintenance-free motor.
- Extremely quiet operation at all speeds.
- Can be post, wall or ceiling mounted.
- Mounts out of the way of people and equipment.
- Add misting for additional cooling.
- Replaces 10's of individual circulation fans.
- Fan ships fully assembled; air deflectors must be added in field.
- 1-year limited warranty.
- Imported.



DESCRIPTION	HP	VOLTS	AMPS (Max)	RPM	CCFM	WEIGHT	MODEL
BIGDOG™ 72" Fan, Deflectors & Four Eye Bolts, 3-Phase	3	208/230/460	10.5	50/300	7,500/45,000	375	BD72-208460-3
BIGDOG™ 72" Fan, Deflectors & Four Eye Bolts, 1-Phase	3	230	9.5	50/300	7,500/45,000	375	BD72-230-1
CONTROLS							
Variable Frequency Drive 240 Volt 1- & 3-Phase, NEMA 1							BDVFD240N1
Variable Frequency Drive 400/480 Volt 3-Phase, NEMA 1							BDVFD400N1
Variable Frequency Drive 240 Volt 1- & 3-Phase, NEMA 4							BDVFD240N4
Variable Frequency Drive 400/480 Volt 3-Phase, NEMA 4							BDVFD400N4
Variable Frequency Drive 208/240 Volt 1-Phase, Filtered Input, NEMA 4X							BDVFD240-1N4F1
Variable Frequency Drive 400/480 Volt 3-Phase, Filtered Input, NEMA 4X							BDVFD400-3N4F1
Variable Frequency Drive 208/240 Volt 1-Phase, Filtered Input/Disconnect, NEMA 4X							BDVFD240-1N4FD
Variable Frequency Drive 400/480 Volt 1-Phase, Filtered Input/Disconnect, NEMA 4X							BDVFD400-1N4FD
MOUNTS							
Straight Mount Coupler (2 parts)							BD1180196
Angled Mount Coupler (2 parts)							BD1180197
Wall Bracket (no nuts and bolts)							BD2021320A
Post Mount (4" x 4" 16')							BD1180176
Post Mount Base							BD1180177

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