FUTURE PRODUCTS™

Polyethylene Fan
Model PDS

The Model "PDS" Fan has many features combined to make it one of the most *"corrosion resistant"* fan units in the industry. Ideally suited for use in all **INDUSTRIAL AND AGRICULTURAL FACILITIES.**

Features

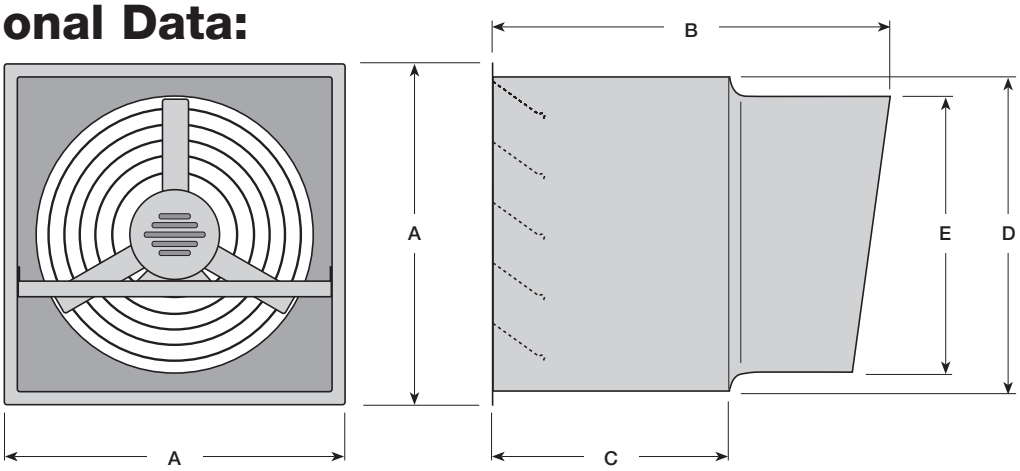
- One piece polyethylene housing makes unit streamline. It will not rust, crack, corrode or require painting.
- Stainless steel corrosion resistant motor mount drive frame.
- The polypropylene fan blade with cast aluminum hub is light weight making the fan energy efficient due to low starting torque of motor.
- Totally enclosed motors are nationally advertised brands, made to NEMA standards and are equipped with thermal overload protectors and are available in single, two or variable speeds.
- Galvanized shutter frame with aluminum blades pivots in nylon bushings on stainless steel pins. An optional PVC plastic shutter is also available.
- All hardware (nuts, washers and bolts) is stainless steel.
- Interior flush mount design reduces installation time and eliminates obstruction in alleyways.

Accessories

Temperature Control: (Optional)

An optional temperature control can be included that electrically and thermostatically operates the fan in any selected temperature range between 40°F and 100°F with 2°-3° differential performance. The thermostat has a sealed molded plastic case with all exposed metal parts of stainless steel. They meet all requirements for NEMA 4X equipment, and is suitable for use under national electrical code (N.E.C.). Article 547-4. Single stage for one speed fans -- two stage for two speed fans.

Dimensional Data:



MODEL	A	B	C	D	E	F WALL OPENING
8-PDS	14"	19 1/2"	9 1/2"	10 3/4"	9 1/4"	11"
14-PDS	23 1/2"	27"	14 1/2"	20 3/4"	15 1/2"	21"
20-PDS	28 1/2"	28"	15"	25 1/2"	21"	25 3/4"
24-PDS	32 1/2"	32"	16"	29 1/2"	25 1/4"	29 3/4"

Performance Data (cfm):

MODEL	BLADE DIA.	HP	RPM	VOLTS	0" SP	.10" SP	.20" SP
8-PDS-10	8"	1/10	1550	115	605	582	505
14-PDS-3	14"	1/3	1700	115	2550	2450	2320
		1/9	1200		1925	1800	1752
14-PDS-3V	14"	1/3	500-1700	230	2550	2465	2380
20-PDS-3V	20"	1/3	500-1700	230	3725	3541	3185
20-PDS-2	20"	1/2	1725	115/230	4871	4625	4338
20-PDS-22	20"	1/2	1725	115	4871	4625	4338
		1/4	1140		3204	3002	2821
24-PDS-2	24"	1/2	1140	115/230	6841	6460	5910

Installation Details:

LOCATION:
In sidewall installations, the fan should be located on the side of the building away from prevailing winds. (Usually on the South or East wall)

INTAKE AIR:
An exhaust fan changes the air in a given area by drawing fresh, clean air through the building and expelling bad air to the outside. Intake openings must be of such size and quantity to provide air equal to the exhaust capacity of the fan within its operating range. Intake openings must be across the building from the fan (fans) and located as high as possible.

WIRING:
Wiring should be done in accordance with local electrical codes that apply.

TEMPERATURE CONTROL:
The thermostat should be located above eye level, away from lights and other heat sources and drafts; in a place that will represent average building temperature.

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