

MACHINE SPECIFICATIONS



Phone #: (360) 734-3482 • Online Tech Support: tech-support@shopfox.biz • Web: www.shopfox.biz

MODEL W1810 5 HP CYCLONE DUST COLLECTOR

Motor

Type	TEFC Class "F"
Horsepower	5 HP
Phase/Voltage	Single-Phase/220V
Amps	22.4
Cycle/RPM	60 Hertz/3450 RPM
Switch	Magnetic w/Thermal Overload Protection
Bearings	Shielded & Permanently Lubricated

Overall Dimensions

Length	67"
Width	54"
Height	111"
Footprint	67" x 54"
Box 1 (Cyclone) Size	61 $\frac{1}{2}$ " x 31 $\frac{1}{2}$ " x 33 $\frac{1}{2}$ "
Box 1 Shipping Weight	447 lbs.
Box 2 & 3 (Cartridges) Size	61" x 22" x 23 $\frac{1}{2}$ "
Box 2 & 3 Shipping Weight	50 lbs.
Box 4 (Stand) Size	43" x 14 $\frac{1}{2}$ " x 10"
Box 4 Shipping Weight	150 lbs.
Machine Weight	591 lbs.

Machine Specifications

Maximum CFM (10" Pipe, w/Filters Installed)	2450 CFM @ 2.25" SP
Maximum Static Pressure (4" Pipe)	12.12"
Impeller Size	16"
Intake Hole Size	10"
Cartridge Filter Diameter	20 $\frac{1}{8}$ "
Cartridge Filter Surface Area	2 x 113 sq. ft.
Cartridge Filter Capability	99.9% of 0.2-2 Micron Particles
Collection Drum Size	55 Gallons
Sound Level	84-86 dB

Construction

Cyclone Body	16 Gauge Steel
Stand	14 Gauge Steel
Radial Impeller	Steel, Riveted
Collection Drum	Steel
Cartridge Filter	Spun-Bond Polyester
Blower Housing	11 Gauge Steel

Additional Features

Reinforced Intake
55 Gallon Collection Drum with Bag Holder and Plastic Collection Bag
Gentle Brush Cleaning Mechanism Inside Cartridge Filter
Remote Control w/Programmable Timer
Casters Mounted on Collection Drum for Easy Moving
Blower and Barrel Rotate 360° for Inlet and Outlet Positioning

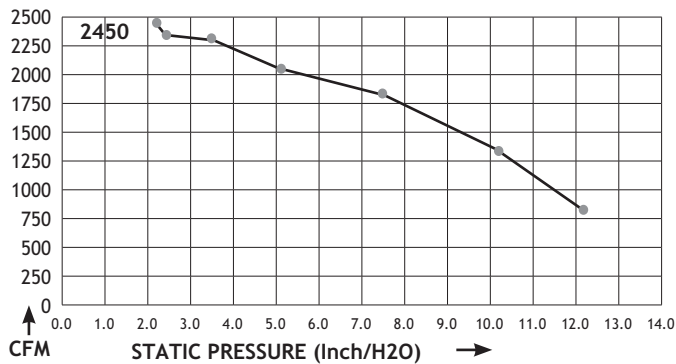
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Performance Curve



5 HP SHOP FOX DUST COLLECTOR PERFORMANCE RESULTS					
Max CFM	Max SP	HP	Volts	Inlet	Impeller
2450	12.12	5 HP	220V	10"	16"

Restrictor plate (inch)	Dia 10"	Dia 9"	Dia. 8"	Dia. 7"	Dia. 6"	Dia. 5"	Dia. 4"
Static pressure (Inch/H2O)	2.25	2.41	3.45	5.08	7.49	10.22	12.12
CFM	2450	2368	2330	2083	1814	1326	891

The airflow test probe is located 8x duct diameter upstream from the air inlet. Test pipe length is a minimum of 16x duct diameter.

