

# Smokemaster® F73A/B

## Self-Contained Electronic Air Cleaner

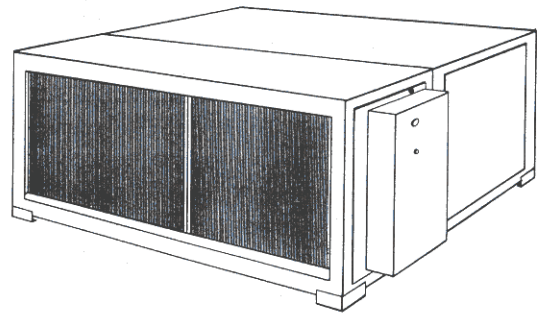
### SPECIFICATIONS:

Dimensions:	53.75" L x 46.50" W x 31.60" H		
Weight:	<u>Unit</u>	<u>Installed</u>	<u>Shipping</u>
	F73A	490 lbs.	550 lbs.
	F73B	495 lbs.	555 lbs.
Cabinet:	16 gauge galvanized steel		
Power Input:	F73A1011	208-240 Vac, 60 Hz, 1Ø, 9.2 A	
	F73A1080	208-240 Vac, 60 Hz, 3Ø, 6 A	
	F73A1081	440-480 Vac, 60 Hz, 3Ø, 3 A	
	F73B1080	208-240 Vac, 60 Hz, 3Ø, 9 A	
	F73B1081	440-480 Vac, 60 Hz, 3Ø, 5 A	
Power Supply:	Solid state, dual voltage and self-regulating. Nominal output voltages are 9400 Vdc ionizer and 4700 Vdc on the collector section. Power supply is housed in the hinged power door and is sealed from the air stream.		
Cell Specification:	Dimensions: 24 1/4" x 24 1/8" x 10 3/4" Weight: 60 lbs. per cell Collection Area: 240 sq. ft. Voltage Gradient: 20,000 volts per inch min. F73A/B (Two cells)		
Ambient Temp.:	125° F Max., 40° F Min. Airflow through cells		
Mounting:	Standing or hanging cabinet with horizontal airflow.		
Pre/Post Filters:	1" multi-layered aluminum mesh		
Diagnostics:	Systems light and test button		
Efficiency:	(ASHRAE 52-76) F73A 5000 CFM 90% F73B 6000 CFM 80% (Efficiency increases with decreased airflow.)		
Motor:	(F73A) 2 HP motor with sealed ball bearings and thermally protected. (F73B) 3 HP motor with sealed ball bearings and thermally protected.		
Blower:	Belt driven, dual centrifugal blower wheels with ball bearings. Adjustable sheave assembly allows airflow adjustment of up to 800 CFM.		

Air Quality Engineering, Inc., has a policy of continuing product improvement and reserves the right to make changes in design and specification without notice.

### SMOKEMASTER®

**AIR QUALITY ENGINEERING, INC.**  
7140 Northland Drive North  
Minneapolis, MN 55428-1520  
(800) 328-0787 • Fax: (763) 531-9900  
aqe@isd.net • www.air-quality-eng.com



The F73A/B provides 5000 CFM/6000 CFM air handling capacity in a self-contained unit.

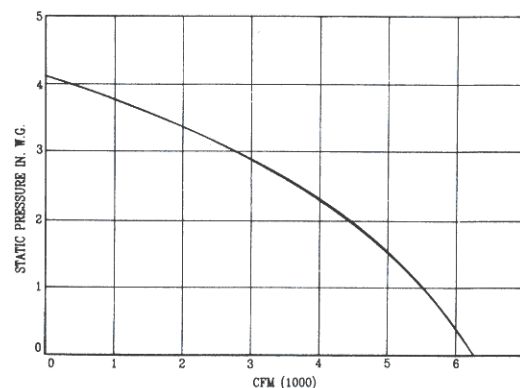
### UNIT INCLUDES:

- Background or Source Capture Design
- Four-way Adjustable Exhaust Louvers
- 12-month Parts Warranty
- Solid State, Dual Voltage, Power Supply
- Smokemaster® Electronic Cell

### OPTIONS INCLUDE:

- Source Capture Custom Ported Plenum
- Impinger Assembly  
(Used only with F73B unit.)

### F73B SYSTEM CURVE:



The F73B (3 HP) model is recommended to handle high restriction systems (ducted).

METRIC CONVERSION	FORMULA
Ins. to mm	Ins. x 25.4
Lbs. to kgs.	Lbs. x .455
Ins. w.g. to kPa	Ins. w.g. x .2488
CFM to m <sup>3</sup> /h	CFM x 1.6992
Ft <sup>2</sup> to m <sup>2</sup>	Ft <sup>2</sup> x .0929