

Surface Combustion Corporation

Janitrol Executive Offices: 2375 Dorr St., Toledo 1, Ohio

Winter and Summer Air Conditioners, Gravity Furnaces, Conversion Burners, Floor Furnaces, Domestic Hot Water and Steam Boilers. Gas or Oil Fired. Complete specifications and performance data are available upon request from the Engineers Service Bureau of Surface Combustion Corporation.

WINTER AIR CONDITIONERS. Available in a complete range of sizes which may be used successfully with either radiant or convection systems. These conditioners are suitable for use with small diameter duct systems and for perimeter heating.

Construction features include choice of Dura-tube (for greater protection against rust and corrosion) or standard steel heat exchangers, patented design ribbon burners, large capacity blowers and filters. A.G.A. approved for sea level and at high altitude operation; also approved for close clearance alcove and closet installations (subject to local building codes). For all gases including L.P.

Model FEC-45 Conditioners (Dura-tube heat exchangers):

Model No.	Ratings—Btu per hr.		CFM Del. for		Motor HP 115- 60-1	Filters	
	A.G.A. Input	A.G.A. Output At Bonnet	80°	100°		No.	Size
FEC60-45	50,000	48,000	525	418	1/4	2	16 × 20 × 2
FEC75-45	75,000	60,000	655	525	1/4	2	16 × 20 × 2
FEC90-45	90,000	72,000	790	630	1/4	2	20 × 20 × 2
FEC105-45	105,000	84,000	920	733	1/4	2	20 × 20 × 2
FEC120-45	120,000	96,000	1050	841	1/4	2	25 × 20 × 2
FEC150-45	150,000	120,000	1310	1053	1/4	4	16 × 20 × 2
FEC180-45	180,000	144,000	1575	1260	1/4	4	20 × 20 × 2

Dimensions—Inches

Model No.	Cabinet			Warm Air Outlet	Return Air Inlet	Approx. Ship. Wt., Lbs.
	Width	Depth	Height			
FEC60-45	18 1/4	26	60 1/4	8 × 15 1/4	9 3/4 × 16 1/4	312
FEC75-45	18 1/4	26	60 1/4	8 × 15 1/4	9 3/4 × 16 1/4	325
FEC90-45	22 1/4	26	60 1/4	8 × 19 1/4	9 3/4 × 20 1/4	356
FEC105-45	25	26	60 1/4	8 × 22 1/4	9 3/4 × 22 1/4	380
FEC120-45	28	26	60 1/4	8 × 25 1/4	9 3/4 × 25 1/4	407
FEC150-45	34 1/4	26	60 1/4	8 × 31 1/4	9 3/4 × 32 1/4	481
FEC180-45	42 1/4	26	60 1/4	8 × 39 1/4	9 3/4 × 40 1/4	572

Model FES-45 Conditioners: The model FES-45 conditioners (with steel heat exchangers) are available in 7 sizes which are similar in dimensions and performance to the 7 sizes of the Model FEC-45 conditioners described above.

Large Capacity Model FES Conditioners (steel heat exchangers): For use in more spacious homes, in public buildings and in commercial installations, the model FES-45 conditioner is available in the capacities described below.

Model No.	Ratings—Btu per hr.		CFM Del. for		Motors		Filters	
	A.G.A. Input	A.G.A. Output At Bonnet	80°	100°	No.	H.P.	No.	Size
FES210-45	210,000	168,000	1840	1466	2	1/4	2	20 × 25 × 1
FES240-45	240,000	192,000	2100	1662	2	1/4	2	20 × 25 × 1
FES280-45	300,000	240,000	2620	2106	2	1/4	4	16 × 25 × 1
FES360-45	360,000	288,000	3150	2520	2	1/4	4	20 × 25 × 1

Dimensions—Inches

Model No.	Cabinet			Warm Air Outlet	Return Air Inlet	Approx. Ship. Wt., Lbs.
	Width	Depth	Height			
FES210-45	50 3/4	26	60 1/4	8 × 48	9 3/4 × 48 1/4	750
FES240-45	56 3/4	26	60 1/4	8 × 54	9 3/4 × 54 1/4	802
FES280-45	63 3/4	26	60 1/4	8 × 60 1/4	9 3/4 × 60 1/4	950
FES360-45	84 3/4	26	60 1/4	8 × 82 1/4	9 3/4 × 82 1/4	1130



Model FEC-45



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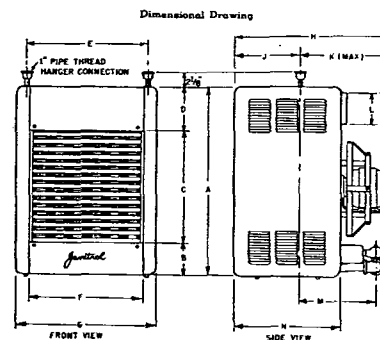
Unit Heaters, Heavy Duty Blower Type Heaters, Floor Type Unit Heaters, Duct Furnaces, Large Capacity Conversion Burners, Kathabar Humidity Control Systems for Comfort and Processing. Gas Fired.

Complete specifications and performance data are available upon request from the Engineers Service Bureau of Surface Combustion Corporation.

UNIT HEATER. Janitrol suspended type unit heaters are self-contained heating plants circulating large volumes of heated air. The unit is suspended overhead and utilizes a propeller type fan to direct warm air to the space where heat is most useful.

The patented ribbon burners occupy a fixed position beneath the steel heat exchanger tubes which helps insure maximum equipment life, evenly distributed temperatures, and high operating efficiency. This unique combination makes extra head room available underneath the unit because of its compact design.

These unit heaters are specially constructed to provide quick, easy access to internal parts should servicing be required. Available for all gases including L.P. For high altitude operation consult a Janitrol representative, or write to home office (address above).



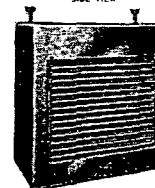
Performance

Model No.	Ratings—Btu per hr.		Sq ft Steam Rad Equiv.	Air Deliv., CFM	Motor HP	Approx. Ship Wt., Lbs.
	A.G.A. Input	A.G.A. Output*				
UBS50-94	50,000	40,000	167	780	1/40	133
UBS65-94	65,000	52,000	217	850	1/40	152
UBS85-94	85,000	68,000	283	1235	1/40	191
UBS100-94	100,000	80,000	333	1525	1/40	206
UBS125-94	125,000	100,000	417	1825	1/40	244
UBS165-94	165,000	132,000	550	1730	1/4	298
UBS175-94	175,000	140,000	583	2180	1/4	298
UBS200-94	200,000	160,000	667	2225	1/4	352
UBS225-94	225,000	180,000	750	2860	1/4	352

* When there are excessive air changes sufficient to adequately dispose of the products of combustion and the unit is unvented, the available output can be assumed to be 90%.

Dimensions—Inches

Model No.	A	B	C	D	E	F	G	H	J	K	L	M	N
UBS50-94	25 1/4	5 1/4	14 1/4	6	13 3/4	12 1/4	17 1/4	22	9 3/4	12 3/4	5	13 3/4	17
UBS65-94	26 3/4	5 1/4	15 3/4	6	16 3/4	15 1/4	20 1/4	22 1/4	9 1/4	13 3/4	5	13 3/4	17
UBS85-94	30 1/4	5 1/4	18 1/2	7	19 3/4	18 1/4	23 1/4	24 1/4	10 3/4	13 3/4	6	12 3/4	17
UBS100-94	30 1/4	5 1/4	18 1/4	7	22 3/4	21 1/4	26 1/4	24 1/4	10	14 1/4	6	12 3/4	17
UBS125-94	32 1/4	5 1/4	20 1/4	7	25 3/4	24 1/4	29 1/4	24 1/4	10	14 1/4	6	12 3/4	17
UBS165-94	34 1/4	6 1/4	20 1/4	8	21 3/4	20 1/4	25 1/4	33 3/4	13 3/4	21 3/4	7	12 3/4	20
UBS175-94	34 1/4	6 1/4	20 1/4	8	21 3/4	20 1/4	25 1/4	33 3/4	13 3/4	21 3/4	7	12 3/4	20
UBS200-94	34 1/4	6 1/4	20 1/4	8	25 3/4	24 1/4	29 1/4	34 1/4	13 3/4	21 3/4	8	12 3/4	20
UBS225-94	34 1/4	6 1/4	20 1/4	8	25 3/4	24 1/4	29 1/4	34 1/4	13 3/4	21 3/4	8	12 3/4	20



Model UBS-94

