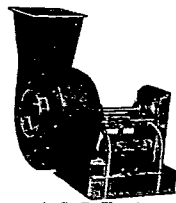


WHITTY COMPANY, INC.

(617) 782-4711 226 Lincoln St. (Allston) Boston, Mass. (02134)
MANUFACTURERS OF INDUCED DRAFT FANS, DAMPERS,
AND DRAFT CONTROLS



A, B, D Chassis

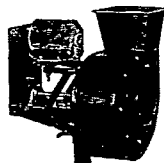
INDUCED DRAFT FANS

Used in lieu of tall chimneys; used to improve the combustion efficiency of automatic burners; used to correct inadequate draft.

Furnished in 48 models with capacities to 26,000,000 Btu output. A size to match every boiler, heater or incinerator in the Commercial-Industrial range.

Fan housing is mounted on a rigid structural chassis in either a clockwise or counterclockwise rotation; with a choice of vertical, horizontal, or angular discharge.

See "Time-Saver" chart below for application data.



K, L, M, N Chassis

MULTIBLADE DAMPERS

Whitty Dampers are available for all Fan sizes. To specify Damper integral with Fan, add Suffix T to the Fan model number.



Multiblade Dampers

Available without Fan, with flanged inlet and outlet in the following sizes:

8 x 10 14 x 17½ 20 x 25
10 x 12½ 16 x 20 22 x 27½
12 x 15 18 x 22½ 24 x 30

When used with power Actuator and draft Sensor, the Multiblade Damper automatically regulates furnace draft to firing rate, for the most effective fuel-draft ratio. Brackets are available for mounting Actuators. Actuators may be ordered for shop assembly to Dampers.

MODEL U

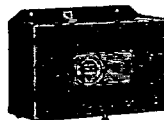
The Model U inlet box may be positioned for either horizontal or vertical intake. Quick hook-up fittings are furnished for prominent boilers, heaters or incinerators. For built-in Multiblade Damper add Suffix T to Fan model number.



Model U

DRAFT MONITOR

Prevents start-up of burner unless boiler draft is proved adequate and cuts off burner whenever the draft becomes inadequate. Specify DM-3D.



Draft Monitor

"TIME-SAVER" A USEFUL CHART FOR SELECTING INDUCED DRAFT FANS

Model Number	Flue Gas Data			Rating Data			Firing Data			Square Breeching or Chimney			Chimney Flue Tile		
	CFM 600 F	SP WC In		Output Btu Hr. 1000	Steam Hr. 1000	HP.	Coal Hr. 1000	Gas Btu-Hr. 1000	Oil Hr. Gal.	1 Fan	2 Fans	3 Fans	1 Fan	2 Fans	3 Fans
6K12 7U16	400	.30		500	515	15	50	715	5	8	10	12	8x8	13x13	15x13
	640	.30		800	825	24	80	1140	8	9	12	15	8x13	13x18	15x18
8A25 7U25	800	.30		1000	1030	30	100	1430	10	10	13	16	13x13	13x18	18x18
	1040	.40		1300	1340	39	130	1860	13	11	15	18	13x13	18x18	20x20
9A25 9U33	1200	.40		1500	1545	45	150	2140	15	12	16	19	13x13	18x18	20x20
	1440	.40		1800	1860	54	180	2570	18	13	17	20	13x18	18x18	20x24
10B33 10M33	1600	.50		2100	2170	63	210	3000	21	14	18	21	13x18	20x20	24x24
	2000	.50		2500	2575	75	250	3570	25	15	19	23	18x18	20x20	24x24
12B50 12M50	2400	.50		3000	3110	90	300	4185	30	16	20	24	18x18	20x24	24x24
	2960	.50		3700	3830	111	370	5280	37	17	22	27	20x20	24x24	
14B75 14M75	3600	.60		4500	4760	135	450	6580	45	19	24	29	20x24		
	4160	.60		5200	5390	156	520	7430	52	20	26	30	20x24		
16B100 16M100	4800	.60		6000	6210	180	600	8580	60	21	27	32	24x24		
18B150 18M150	5760	.60		7200	7450	216	720	10290	72	22	29	35			
	6880	.60		8600	8920	258	860	12300	86	24	31	37			
20B200 20M200	7200	.70		9400	9730	282	940	13450	94	25	32	38			
	8640	.70		10800	11160	324	1080	15450	108	26	35	41			
22B300 22M300	9760	.80		12200	12620	366	1220	17430	122	28	36	43			
	12480	.80		15000	15490	468	1500	22300	150	30	40	47			
24B500 24M500	14000	.80		17500	18100	525	1750	25000	175	32	42	50			
	17280	.80		21000	21600	648	2100	30900	210	35	45	53			
26B750 26M750	18560	.90		23200	24000	696	2320	33180	232	36	48	56			
	20800	.90		26000	26900	780	2600	37200	260	38	50	58			

Example: Model 16B150 indicates size 16 Fan mounted on a B chassis and driven by a 1½ hp motor.

Dimensions in inches.

Nesbitt

HEATING, VENTILATING AND AIR CONDITIONING EQUIPMENT

ITT NESBITT

a Division of International Telephone and Telegraph Corp., Phila., Pa. 19136

Units to control temperature, humidity, cleanliness and circulation of air—for comfort and health or process applications in commercial, industrial, institutional and residential buildings using steam, water, gas or electricity.

Syncretizer with Wind-o-line Radiation The Syncretizer unit ventilator provides the optimum in classroom thermal comfort by fully automatic heating, ventilating, and natural air cooling. Five models, 500 to 1500 cfm; steam, hot water, or electric; two heights, 25" and 32". Wind-o-line Radiation may be integrated with the Syncretizer for special protection against window downdrafts and bodily heat loss to cold surfaces. Capacities, 450 to 800 Btu/in. ft.

Year-Round Syncretizer Unit Ventilator For the fully automatic control of heating, ventilating, and air conditioning in individual classrooms. Quiet and economical; it cools with outdoor air in winter and mechanically cooled and dehumidified air in summer. Five models: 500 to 1500 cfm; heating, to 180 MBH; cooling, to 95 MBH. Publication 11-1.

Roommate Air Conditioner Year-round cabinet conditioners with contemporary lines and colors for motels, apartments, offices, schools, etc. Seven sizes, 200 to 1200 cfm, 10 to 70 MBH, ¼ to 3 tons cooling. Superior humidity control with Humid-a-Guard system. A stabilizer-damper admits outdoor air yet prevents cold blow-through. Publication 602-1.

Roommate pkg Year-Round Air Conditioning Unit. A self-contained, year-round unit that provides heating (hot water, steam or electric) and mechanical cooling for individual spaces. Installs in any type wall—existing or new construction. Control systems for heating, cooling or both—automatic or manual. Available for 11,700 or 14,900 Btu/h cooling; 10,200 to 22,500 Btu/h heating. Publication 634-1.

Schoolmate Gas-Fired School System. A self-contained gas-fired, forced air system that provides heating, ventilating and cooling (with free outdoor air or mechanical cooling) for individual classrooms. Installs quickly and economically—simplifies expansion of school facilities. If air conditioning is not included in initial installation, it can be added at any time in the future. Available in standard and deluxe models; 85,000 and 100,000 MBH input; three and four tons mechanical cooling. Publication 13-1.

Architectural Still-line Radiation It enhances the rhythm of contemporary architecture! Modular enclosures; rigid one-piece full back panel; all needed accessories; telescoping sleeves; permits wall-to-wall or mullion-to-mullion fit without cutting. Five casing styles; ten types of finned heating element; 2.9 to 11.7 sq. ft. edr. Publication 30-1.

Andicon Air Conditioner Sound engineered for year-round comfort in auditoriums, libraries, and similar large occupancy spaces. Air capacities, 1250 to 15,000 cfm; heating, 40 to 1500 MBH; cooling (installed initially or added later), 3 to 60 tons. Pub. 22-41.

Centracon Air Conditioner Flexible units for central station heating, ventilating, and air conditioning. Heavy steel construction, smooth panel design; wide choice of components, accessories, heating and cooling elements and mounting arrangements. 13 basic sizes, 1,000 to 33,000 cfm; heating, 30 to 3436 MBH; cooling, 2 to 285 tons. Pub. 601-1.

Multizone Air Conditioner Central station units cool, heat, humidify, dehumidify, and filter air for up to 20 separate zones. Made in 11 sizes for horizontal or vertical floor mounting, and 7 horizontal ceiling arrangements; 3 to 40 hp; 1200 to 36,000 cfm. Chilled water or direct expansion refrigerant cooling, hot water or steam heating. Publication 61-1.

Series A Cabinet Heater Smart, compact, quiet units for offices, lobbies, corridors. Seven basic sizes; steam and hot water elements; 71 to 545 sq. ft. edr; 265 to 1860 cfm; concealed, recessed, semi- and non-recessed installation arrangements; floor, wall or ceiling. Publication 403. Electric models, 3.3 to 30 kw, 11.4 to 102.4 MBH. Publication 403.

Giant Unit Heater Large capacity blower-fan units for economical heating and/or ventilating in large areas; 9 basic sizes, each with choice of 10 heating elements; from 2000 to 28,000 cfm; 83 to 1735 MBH; floor, wall or ceiling mountings. Publication 40-4.

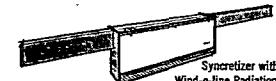
Propeller Fan Unit Heaters Eight horizontal-blow sizes, 24 models; universal heating elements, steam or hot water; 15 to 335 MBH. Heavy steel casing in green metallic baked enamel. AMCA Code-rated for sound and capacity. Publication 401. Fourteen draw-through down-blow units, 34 models; 16 to 610 MBH; horizontal or vertical discharge; variety of outlets; side piping for close-to-ceiling mounting. Code rated. Publication 402.

Gas-Fired Unit Heaters. Lightweight, compact units for fast, clean, economical heat. Propeller fan units available in ten sizes; 25 to 300 MBH input. Publication 40-1. Blower Fan units for free delivery or use with ducts, available in eight sizes; 55 to 300 MBH input. Publication 40-2. Duct furnaces for heating and processing available in seven sizes; 80 to 300 MBH input. Publication 40-3.

Three-Sixty Sealed/Flame Unit Overhead gas-fired heater embodying the sealed combustion principle. Operates entirely independent of room air. Radial-Flow and Down-Flow models; 1000 and 1250 cfm; 85 and 115 MBH input; 360-degree discharge. Pub. 40-4.

Plate-fin Heat Transfer Surface Series W Water Surface. Type WB, without drain feature; Type WD, with positive drainability and pitched within the casing for freeze protection; Type WC, with cleanable tubes and removable headers—Publication 74-1.

Series H Steam Heating Surface—Publication 71-1. Series T Heating Surface with "trombone" steam-distributing tubes; eliminates stratification and the danger of freezing under modulated valve control; ideal for preheating outdoor air; connections at same or opposite ends—Publication 305-1. Custom Designed Heat Exchangers. These and other types (Bayonet steam-distributing tube, cleanable-drainable surface, gas and air-tight casing coils, etc.) fit an endless variety of power and process applications. Pub. 70-1.



Syncretizer with Wind-o-line Radiation



Year-Round Syncretizer Unit Ventilator



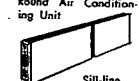
Roommate Cabinet Conditioner



Roommate pkg Year-Round Air Conditioning Unit



Schoolmate Gas-Fired School System



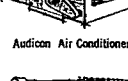
Still-line Radiation



Andicon Air Conditioner



Centracon Air Conditioner



Multi-Zone Air Conditioner



Cabinet Heater for Steam Hot Water or Electric



Giant Unit Heater



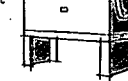
Propeller Fan Unit Heaters



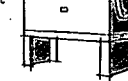
Sealed/Flame Overhead Gas Heater



Gas-Fired Unit Heaters



Packaged Water Chiller 20 to 250 Tons



Heating and Cooling Surface