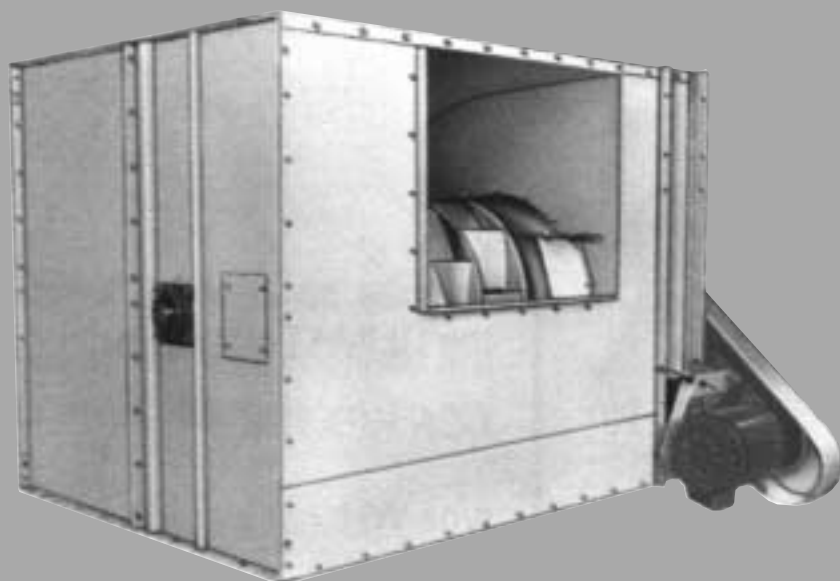


ROSEMEX

CLIMATAIR

**CENTRAL STATION
AIR HANDLING UNIT**



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GENERAL

Under the trade name CLIMATAIR, ROSEMEX offers a complete range of central station air handling units to meet the requirements of all air conditioning, heating and ventilating applications.

With draw-thru or blow-thru blower sections, CLIMATAIR units will cool, humidify or dehumidify, filter and heat the air volume required to meet system design specifications.

These central station air handlers are designed to operate at low, medium or high pressures using Class I, II or III fans. Mechanical components, such as shafts and bearings, are sized by computer to meet blower class requirements. ROSEMEX coils, with chilled water, refrigerant, hot water or steam, provide complete year-round comfort. LAMILINE integral face-and-bypass coil preheats using either hot water or steam.

Three types of air washers are available: spray chamber, sprayed coil and wet pad evaporative cooler.

A full line of components complements central station air handlers: humidifiers, eliminators, flat and angle bank filter sections with 2-inch filters, side access high efficiency filter sections with bag filters, standard or high-performance mixing boxes, shutoff, internal or external face-and-bypass damper sections, plenums with or without access doors, and VARIMARK II volume control for VAV (variable air volume) systems.

All CLIMATAIR units and components are subjected to a rigid quality inspection program thus ensuring best performance and long, trouble-free life.

TYPES OF CLIMATAIR UNITS

MVT: for heating and ventilating. A draw-thru type unit. Casing of these units is not insulated, and there is no condensate pan.

CSAH: for heating, cooling and ventilating. A draw-thru type unit. Blower section is completely insulated and rests on an insulated condensate pan. The cooling coils are also provided with a condensate pan.

MZ: for heating, cooling and ventilating. A blow-thru type unit for dual duct or multizone applications, with a possibility of 23 zones in the largest unit. The cold deck on these units is entirely insulated and the cooling coils rest on an insulated condensate pan.

OPERATING PRESSURE LEVELS

❑ LOW PRESSURE - LP

Ps: from 0,0 to 0,75 kPa

(from 0.0" to 3,0" WG)

Air flow: from 0,5 to 30,50 m³/s

(from 1,000 to 61,000 SCFM)

Horizontal models:

all units

Vertical models:

from 2-A TO 10-F incl.

❑ MEDIUM PRESSURE - MP

Ps: from 0,35 to 1,40 kPa

(from 1.5" to 5.5" WG)

Air flow: from 1,2 to 30,50 m³/s

(from 2,400 to 61,000 SCFM)

Horizontal models:

all units except 2-A

Vertical models:

from 3-A to 10-F incl.

❑ HIGH PRESSURE - HP

Ps: from 1,2 to 2,50 kPa

(from 5.0" to 10.0" WG)

Air flow: from 2,75 to 30,50 m³/s

(from 5,500 to 61,000 SCFM)

Horizontal models:

5-E, 6-F, 7-G, 8-H and 9-I to 15-O

Vertical models:

none

PHYSICAL FEATURES

FAN SECTION

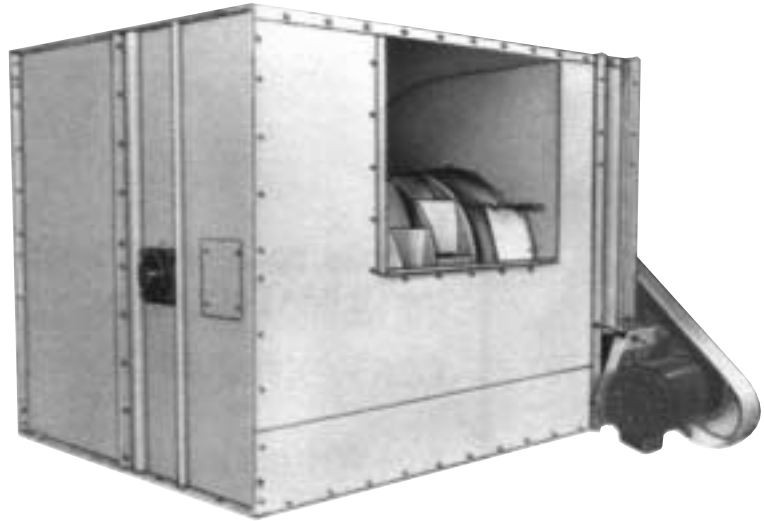
Designed for maximum rigidity and fan efficiency, this section supplies the required air volume at the necessary static pressure. Four types of wheel are available in the CLIMATAIR:

- a) FC: forwardly curved blades, used in the following units:
 low pressure:
 from 2-A to 10-J incl.
 medium pressure:
 from 3-A to 10-J incl.
 high pressure:
 none
- b) BI: backwardly inclined flat blades, used in the following units:
 low pressure:
 from 3-A to 15-O incl.
 medium pressure:
 from 3-A to 15-O incl. (except 5-A)
 high pressure:
 none
- c) AS: single thickness airfoil blades, used in the following units:
 low pressure:
 from 3-A to 10-F incl. (except 8-H)
 medium pressure:
 from 3-A to 10-F incl. (except 5-A)
 high pressure:
 5-E, 6-F, 7-G, 8-H and 9-I
- d) AD: double thickness airfoil blades, used in the following units:
 low pressure:
 8-H; 9-I to 15-O incl.
 medium pressure:
 from 9-I to 15-O incl.
 high pressure:
 from 10-J to 15-O incl.

NOTE: All blower wheels are dynamically balanced in their scroll before shipping.

SHAFTS: All shaft sizes are selected to ensure maximum fan operating speeds well below first critical shaft speed. Hollow steel shafts are used on all two-wheel FC units, 5-A, 6-C, 8-H and 10-F. Solid, ground and polished steel shafts are used on all other units. A bituminous coating is used for protection against corrosion.

CONDENSATE PAN: All welded sandwich type construction made from heavy galvanized steel having a 13 mm



(1/2") rigid insulating board covered by a sealed galvanized steel sheet.

MOTOR LOCATION: On units 2-A to 10-F, motor is outside the fan section and mounted on a hinge-type base. On units 9-I to 15-O, motor is inside the fan section and mounted on an adjustable slide base. Both installations provide for perfect belt tension adjustment.

BEARINGS: In order to insure long, trouble-free performance, bearings used in the CLIMATAIR air handlers are either single or double row. All bearings are sized for an average minimum life of 200,000 hours. Self-aligning single-row ball bearings have a sphered outer ring fitted into the housing. Self-aligning double-row ball bearings have a common sphered raceway in the outer ring. Both designs allow minor angular displacements of the shaft relative to the housing.

Whenever a bearing is installed inside the fan casing, an extended lubrication line is supplied as standard equipment for ease of maintenance. All bearing housings are fitted with a grease nipple which feeds a lubrication groove machined in the bore of the housing, therefore making it possible to relubricate as part of a maintenance program.

On low pressure units from 2-A to 10-F, bearing housings are flange type, bolted to the fan section side walls which are reinforced by steel channels. Construction is the same as above on medium pressure units from 2-A to 10-F,

except for units 7-G and 8-H, where opposite side bearing is a pillow block inside the fan section.

On high pressure units from 5-E to 8-H, opposite side bearing is also a pillow block inside the fan section, while drive side bearing is a flange bearing. On units 9-I to 15-O for all pressures, two pillow block bearings are used, both mounted inside the fan casing on a rigid steel structure.

VARIMARK II

Rosemex's centrifugal fan volume controller may be adapted for use on the CLIMATAIR air handlers. The Varimark II is particularly suitable for variable air volume (VAV) systems where required minimum volume is fairly low. Because of its unique characteristics, this revolutionary control system will ensure a stable operation down to only 20% of maximum required air flow.

The Varimark II may be used on all CLIMATAIR single-wheel AS, AD or BI models. On models having a 610 mm (24") diameter or larger wheel, the Varimark II-S option eliminates the need of additional backdraft dampers when sequencing the operation of parallel fans.

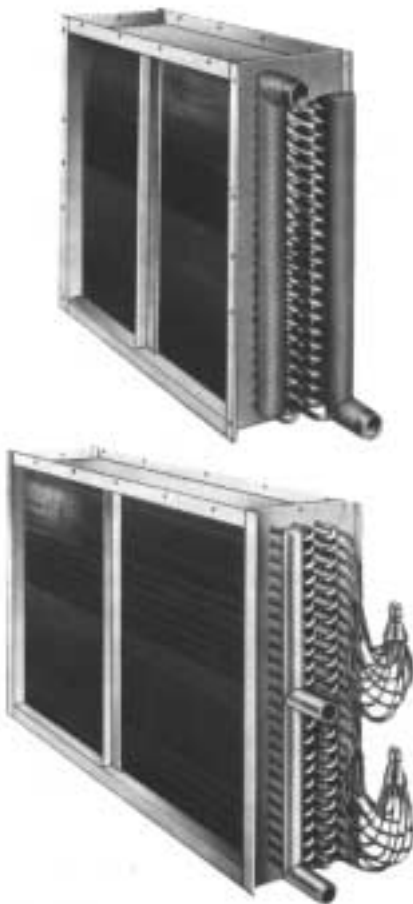
NOTE: CLIMATAIR units utilizing FC wheels for VAV applications may be supplied with a scroll volume damper upon request. This damper can be manually or motor operated.

PHYSICAL FEATURES

COILS

In fin-to-air heat transfer, efficiency is mainly influenced by the very thin air film which adheres to the fin surface and acts as an insulator. ROSEMEX engineers have designed a fin with deep corrugations which create the turbulence required to continuously move and replace this air film, increasing the air volume that comes in contact with the fin, thus its efficiency. Heat exchanger tubes are staggered so that more air comes in contact with the tubes. The new fin design, plus the staggering of the tubes, have produced a highly efficient heat exchanger.

ROSEMEX offers a complete range of coils with a wide variety of fin spacing and circuit arrangements for optimum coil selection, while taking into consideration performance plus initial and operating costs.



Various options are available with the CLIMATAIR series:

FOR HEATING:

type WH: hot water coil
type S: steam coil
type NFS: non-freeze steam coil

FOR COOLING:

type WC: chilled water coil
type RC: refrigerant coil

FOR PREHEATING:

type LLW: LAMILINE hot water face and bypass coil
type LLS: LAMILINE steam face and bypass coil

Fins are aluminum or copper. Tubes are 16mm (5/8") O.D., either copper, red brass or cupronickel. Turbulators are available upon request. Perfect mechanical bond between tube and fins is achieved through a tube expansion process that eliminates tube spring-back.

Return bends are silver soldered to the tubes and the steel headers are brazed to the tubes. These headers are 51 mm (2") or 64 mm (2 1/2") in diameter, male threaded and provided with plugs for drain and vent; they are coated with zinc chromate red oxide for corrosion protection.

Coil frames are galvanized steel; on large coils, intermediate tube sheets are added for more rigidity.

Cooling coils are built with a special frame to fit the condensate pan for proper water elimination. When the unit requires two cooling coils one above the other, each coil has a different frame.

All coils are tested at 1380 kPa (200 PSIG) air pressure under water.

**INTEGRAL FACE AND BY-PASS PREHEATING COIL**

ROSEMEX builds a unique heat exchanger with dampers, the LAMILINE. The arrangement of alternate narrow coil and by-pass sections permits diverting the air stream and provides effective mixing without stratification. This unit has been mainly designed for preheating the fresh air supply to a controlled leaving temperature with a minimum risk of freezing the coil.

LAMILINE heating coils incorporate the same fin and tube construction features as standard coils.

Damper blades are extruded aluminum specially designed for LAMILINE units. The heavy cross-section of these blades provides for a perfect fit and maximum rigidity.

All steam coils (LAMILINE, S and NFS) may be used for steam pressures up to 15 P.S.O. Higher pressures available upon request.

PHYSICAL FEATURES

PLENUMS

Generally used in four main applications:

- as a support leg for the coils
- to gain access to the inside of the system
- to support blower section in vertical models (90°)
- as a spacer for air entry in certain blower arrangements.

Access plenums are available in 356 mm (14"), 457 mm (18") and 610 mm (24") lengths. A hinged sandwich-type access door can be supplied on access and 90° (vertical model) plenums.



DAMPER SECTIONS

Three types of damper sections are available, all with opposed blade operation.

- internal face and by-pass
- external face and by-pass
- shutoff

The internal by-pass damper is used with a small face area coil, and the external by-pass damper is used with a large face area coil. In both cases, damper blades modulate the air volume through the coil and by-pass for temperature control.

The shutoff damper controls the amount of air through the coil or shuts it off completely.

The damper blades used in these sections are not designed for airtight shut-off, but rather for modulations; therefore, a 5 to 10% leakage rate is to be expected. On applications where a 1 to 3% maximum leakage rate is required, ROSEMEX offers a low-leak blade as an option. A specially designed gasket is fastened to the blades, thus ensuring a tight, permanent closure.

All damper blade center shafts rotate in nylon bushings.



HUMIDIFIERS

STEAM GRID TYPE: Consists of a copper tube with steam jets, wrapped with a liner held in place by copper fasteners. Humidity is absorbed by the air from steam coming out of the saturated liner. Installed in the blower section.

NOTE: Weights of condensate given in the tables are for total steam delivery.

HOODED WATER SPRAY (TARGET) TYPE: Non-clogging brass nozzles spray atomized water on galvanized steel targets. The air absorbs humidity as it flows through an aluminized wire and fiberglass hood covering the steel targets. At air velocities below 2,5 m/s (500 FPM), the humidifier may be installed in the blower section. From 2,5 m/s (500 FPM) up, the humidifier must be installed in a separate section with eliminators to prevent water droplets from being carried into the airstream. Eliminator blades, streamlined in design, are extruded from a thermosetting, rot-resisting plastic having a low water-absorbing coefficient. This makes possible a high degree of efficiency combined with a minimum resistance to the air flow. The galvanized steel drain pan with threaded connection is easily removable for cleaning. It is recommended that the spray water temperature be 75°F higher than the dew point of air to get an acceptable efficiency. The use of unheated water is not at all recommended.

NOTE: Weights of water given in tables are for water flow through nozzles.

PHYSICAL FEATURES

FILTER SECTIONS

ROSEMEX offers five different types:

- low capacity flat filter section
- medium capacity angle bank filter section
- high capacity angle bank filter section
- high efficiency standard capacity bag filter section
- high efficiency high capacity bag filter section

Standard dimension 51 mm (2") thick filters are used in above first three; they may be throwaway, replaceable core or permanent filters. When using bag filters, it is advisable to pre-filter the air with 51 mm (2") flat filters. Slots to this effect are standard in all bag filter sections. All five models come with a hinged access door for easy servicing.



MIXING BOXES

Three types of mixing boxes are available for use with the CLIMATAIR series:

- standard mixing box
- combination mixing box with filters
- Anti-Strata mixing box

STANDARD MIXING BOX

Using interconnected parallel blade dampers, this section will modulate and thoroughly mix any proportion of recirculated and fresh air.

COMBINATION MIXING BOX WITH FILTERS

Ideal arrangement where space is at a premium. The filtering surface is the same as that of the medium angle bank filter section. Flat 51 mm (2") thick standard-sized filters are used. A large hinged access door is supplied on this section.

ANTI-STRATA MIXING BOX

For applications where the quality of the air mixture must be excellent, ROSEMEX has designed the Anti-Strata. A combination of dampers and partitions, incorporated inside the casing, allow alternate narrow streams of warm and cold air to meet and thoroughly mix. A diffuser plate, mounted at the outlet, further reduces the temperature gradient so that the risk of coil freeze-up is really at a minimum. This section is also supplied with a large hinged access door.

MULTIZONE OR DUAL DUCT HEAD

Multizone or Dual Duct head is available in 18 sizes (from 3-A to 15-O). The Multizone head includes fully gasketed zone dampers. When dampers are supplied, ROSEMEX can install the necessary linkages and mechanisms to meet on-the-job requirements, while Dual Duct head has no dampers. Factory-installed perforated plates are used to balance hot and cold deck pressures.



On low and medium pressure units 3-A to 5-E, Multizone sections are bolted to the blower. On all other sizes, including all high pressure units, a flexible connection is used.



PHYSICAL FEATURES

AIR WASHERS

As its name implies, this unit removes dust and dirt from the air. It is also used to cool, heat, humidify and dehumidify the air. ROSEMEX manufactures three types of air washers:



SPRAY CHAMBER

This unit consists of a 457 mm (18") high water tank, fabricated from 5 mm (3/16") thick, all-welded steel plates, coated inside and out with a red oxide primer to prevent corrosion. A heavy asphalt type coating is applied inside the tank and a coat of black enamel covers the red oxide outside the tank. Over this tank is mounted a galvanized steel casing, inside which spray trees are erected, supporting evenly distributed non-clogging brass nozzles. Through intimate contact between the atomized water and the air stream, the air is either cooled, heated or humidified according to requirements. A bank of highly efficient galvanized eliminator blades is mounted at the outlet to prevent carry-over.

Available lengths are 1219 mm (48") model 4D, 1753 mm (69") model 6D, and 2286 mm (90") model 8DU. Inside surfaces vary from 1,1 m² (12 sq. ft) to 8,1 m² (87 sq. ft.).



SPRAYED COIL

With the integrated copper-finned cooling coils, this unit cools and de-humidifies the air. It can also be used for humidification during winter or evaporative cooling during mid-seasons without operating the cooling coils. Spray nozzles are mounted on horizontal headers; casing is galvanized steel, and the water tank is the same construction as in the spray chamber, but only 305 mm (12") deep. Coils incorporate the same features as standard coils, but copper fins are used. Where water is alkaline, 6 FPI is recommended to prevent clogging between fins.



WET PAD EVAPORATIVE COOLER

The Mark Kool is an evaporative cooler utilizing impregnated cellulose paper or glass fiber evaporative pads to achieve high cooling efficiencies. Intimate contact between air and water is obtained as the air stream flows through the wet cross-fluted pads. These pads are made of either cellulose paper impregnated with insoluble anti-rot salts and rigidifying saturants, or of large glass fibers bound together by inorganic non-crystalline fillers. Their design generates the necessary turbulence for efficient contact between water and air.

With the addition of chilled water or refrigerant coils, this unit will also cool and dehumidify. The entire casing is made of galvanized steel. Tank construction is the same as that used in others types of air washers; it is 305 mm (12") deep for the recirculating type, and only 102 mm (4") deep if the water is not recirculated.

AIR FRICTION LOSS

IMPERIAL UNITS (in. H₂O)

SI UNITS (Pa)

COIL VELOCITY (m/s)				1.75	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00
STANDARD EFFICIENCY FILTER	LOW CAPACITY	FLAT FILTER	THROWAWAY	26	31	36	41	—	—	—	—	—	—
			DISP. CORE	27	31	36	42	48	—	—	—	—	—
			30/30	39	49	60	72	85	—	—	—	—	—
			PERMANENT	11	15	20	25	31	37	43	—	—	—
	MEDIUM CAPACITY	ANGLE FILTER	THROWAWAY	19	21	24	26	29	32	35	38	42	—
			DISP.CORE	19	21	24	26	29	32	35	38	42	—
			30/30	16	21	27	34	41	48	55	63	72	81
			PERMANENT	10	10	11	12	13	15	18	21	24	29
	HIGH CAPACITY	ANGLE FILTER	THROWAWAY	16	18	20	22	24	25	27	28	30	31
			DISP. CORE	16	18	20	22	24	25	27	28	30	31
30/30			—	—	25	27	30	33	37	40	44	48	
PERMANENT			—	—	—	—	—	—	11	11	15	15	
MIXING BOXES		STANDARD	4	6	7	8	9	10	11	13	14	15	
		ANTI-STRATA	37	47	60	74	89	106	125	146	168	191	
			DAMPER	5	6	8	10	12	14	16	19	22	24
			ELIMINATOR	19	24	29	35	40	46	53	59	66	73
PLENUM	90°			14	18	23	28	34	41	48	55	64	72
MULTIZONE	MZ			29	36	53	78	111	153	204	264	332	409
FILTER VELOCITY (m/s)				1.75	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00
HIGH EFFICIENCY FILTER	MEDIUM OR HIGH CAPACITY	PRE FILTER	THROWAWAY	25	33	38	40	—	—	—	—	—	—
			DISP. CORE	25	33	38	40	47	—	—	—	—	—
			30/30	39	49	60	72	85	—	—	—	—	—
			PERMANENT	11	15	20	25	31	37	43	—	—	—
		FINAL FILTER	HP-15	50	60	72	86	102	120	—	—	—	—
			HP-100	74	86	101	121	—	—	—	—	—	—
HP-200	121		146	167	184	—	—	—	—	—	—		

IMPERIAL UNITS

PHYSICAL DATA

				UNIT NO.	2-A	3-A	4-C	5-C	5-A	5-E	6-F	6-C	7-G	8-H			
				CFM	1000	2200	2800	3600	4200	4000	5600	5000	6500	8800			
					2600	5400	6000	8000	9000	10000	12000	13000	15500	18000			
FAN SECTION	LOW PRESSURE	FC	QTY-DIA. SQ. FT.	1-9.5 0.84	1-12.625 1.46	1-15.0 2.05	1-15.0 2.05	2-12.625 2.92	1-18.125 2.87	1-20.0 4.25	2-15.0 4.10	1-22.0 5.16	1-25.0 6.78				
		BI, AS-AD	QTY-DIA. SQ. FT.	— —	1-12.25 1.57	1-15.0 2.36	1-15.0 2.36	2-12.25 3.14	1-18.25 3.50	1-20.0 4.19	2-15.0 4.72	1-22.25 5.18	1-24.5 6.27				
	VARIMARK II		WEIGHT	—	122	130	130	—	138	143	—	186	195				
	MEDIUM PRESSURE	FC	QTY-DIA. SQ. FT.	—	1-10.625 1.03	1-12.625 1.46	1-12.625 1.46	2-10.625 2.06	1-15.0 2.05	1-18.125 2.87	2-12.625 2.92	1-20.0 4.25	1-20.0 4.25				
		BI, AS-AD	QTY-DIA. SQ. FT.	—	1-12.25 1.57	1-13.5 1.93	1-15.0 2.36	—	1-16.5 2.86	1-18.25 3.50	2-13.5 3.86	1-20.0 4.19	1-22.25 5.18				
	VARIMARK II		WEIGHT	—	122	126	130	—	134	138	—	143	186				
	HIGH PRESSURE	AS-AD	QTY-DIA. SQ. FT.	—	—	—	—	—	1-15.0 2.36	1-16.5 2.86	—	1-18.25 3.50	1-20.0 4.19				
		VARIMARK II		WEIGHT	—	—	—	—	—	130	134	—	138	143			
	WEIGHT LESS MOTOR			LOW PRESSURE	155	330	380	440	510	500	720	680	740	790			
				MEDIUM PRESSURE	—	350	390	480	550	540	770	730	780	840			
				HIGH PRESSURE	—	—	—	—	—	630	800	—	840	1000			
	O.D.P. MOTOR 1800 RPM NOM.				HP	3	10	10	15	15	20	30	25	30	40		
					MAXIMUM FRAME	182T	215T	215T	254T	254T	256T	286T	284T	286T	324T		
					SHAFT DIAMETER	1.125	1.375	1.375	1.625	1.625	1.625	1.875	1.625	1.875	2.125		
WEIGHT					78	145	145	216	145	256	360	216	360	473			
STANDARD POSITION					OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT			
COILS	HEATING AND COOLING	FULL FACE	QTY-DIM. SQ. FT.	1-18 x 24 3.00	1-24 x 36 6.00	1-30 x 36 7.50	1-30 x 48 10.00	1-24 x 66 11.00	1-36 x 48 12.00	1-39 x 54 14.63	1-30 x 72 15.00	1-39 x 66 17.88	1-48 x 66 22.00				
			CONN. QTY	2	2	2	2	2	2	2	2	2	2				
		SMALL FACE	QTY-DIM. SQ. FT.	1-12 x 24 2.00	1-15 x 36 3.75	1-21 x 36 5.25	1-21 x 48 7.00	1-15 x 66 6.88	1-27 x 48 9.00	1-30 x 54 11.25	1-21 x 72 10.50	1-30 x 66 13.75	1-36 x 66 16.50				
			CONN. QTY	2	2	2	2	2	2	2	2	2	2				
	HEATING	MZ	QTY-DIM. SQ. FT.	—	1-12 x 36 3.00	1-15 x 36 3.75	1-15 x 48 5.00	1-15 x 66 6.88	1-18 x 48 6.00	1-21 x 54 7.88	1-18 x 72 9.00	1-21 x 66 9.63	1-24 x 66 11.00				
			CONN. QTY	—	2	2	2	2	2	2	2	2	2				
	LAMILINE	LLW-H LLS-H	QTY-DIM. SQ. FT.	1-18 x 24 3.00	1-27 x 36 6.75	1-27 x 36 6.75	1-27 x 48 9.00	1-27 x 66 12.37	1-36 x 48 12.00	1-45 x 54 16.87	1-27 x 72 13.50	1-36 x 66 16.50	1-45 x 66 20.62				
			CONN. QTY	2	2	2	2	2	2	2	2	2	2				
		LLS-V	QTY-DIM. SQ. FT.	1-18 x27 3.37	1-24 x 36 6.00	1-30 x 36 7.50	1-30 x 45 9.37	1-24 x 63 10.50	1-36 x 45 11.25	1-42 x 54 15.75	1-30 x 72 15.00	1-42 x 63 18.37	1-51 x 63 22.31				
			CONN. QTY	2	2	2	2	2	2	2	2	2	2				
	FILTER SECTIONS	STANDARD EFFICIENCY	LOW CAPACITY FLAT FILTER BOX	FILTERS	QTY-DIM. SQ. FT.	1-20 x 25 3.47	1-16 x 25 6.24	1-16 x 25 6.24	2-16 x 20 9.98	4-16 x 25 11.08	1-16 x 20 1-20 x 20 1-16 x 25 1-20 x 25 11.23	4-16 x 20 2-20 x20 14.42	2-16 x 20 4-16 x 25 15.52	2-16 x 20 4-20 x 25 18.32	8-16 x 25 22.16		
					WEIGHT	THROWAWAY PERMANENT	30 40	35 60	45 65	50 90	55 100	60 100	65 120	70 140	75 140	85 170	
				MEDIUM CAPACITY ANGLE FILTER	FILTERS	QTY-DIM. SQ. FT.	2-20 x 20 5.55	2-16 x 20 9.98	2-16 x 25 12.48	3-16 x 20 14.97	8-16 x 20 17.76	3-20 x 20 18.72	6-16 x 20 3-20 x 20 21.63	3-16 x 20 6-16 x 25 23.28	3-16 x 20 6-20 x 25 27.48	4-16 x 20 4-20 x 20 4-20 x 25 33.84	
						WEIGHT	THROWAWAY PERMANENT	60 80	80 120	95 140	100 155	120 190	115 190	125 210	130 225	140 250	170 300
BOX → AND MIXING BOX →			WEIGHT		THROWAWAY PERMANENT	135 155	200 240	245 285	300 360	315 395	370 430	410 500	360 450	455 540	540 660		
					HIGH CAPACITY ANGLE FILTER BOX	FILTERS	QTY-DIM. SQ. FT.	2-20 x 25 6.94	2-16 x 25 12.48	3-16 x 20 14.97	9-16 x 20 19.98	8-16 x 25 22.16	9-16 x 25 24.93	6-16 x 25 3-20 x 25 27.03	6-16 x 20 6-20 x 20 29.94	4-16 x 20 2-20 x 25 36.64	5-16 x 20 10-20 x 25 45.80
WEIGHT			THROWAWAY PERMANENT	70 95			90 140	95 150	110 190	140 220	120 220	150 250	150 270	160 300	190 360		
			HIGH EFFICIENCY	MEDIUM CAPACITY FILTER BOX	CFMAT 500 FPM		2000	4000	4000	6000	6000	6000	8000	6000	10000	12000	
PRE FILTERS BAG FILTERS					QTY-DIM. SQ./FT.	1-24 x 24 4.00	2-24 x 24 8.00	2-24 x 24 8.00	2-12 x 24 12.00	3-24 x 24 12.00	2-12 x 24 2-24 x 24 12.00	4-24 x 24 16.00	3-24 x 24 12.00	2-12 x 24 4- 24 x 24 20.00	6-24 x 24 24.00		
						WEIGHT	2 ADAPTORS C/W FILTERS	140 110	195 160	195 160	270 220	290 230	270 220	360 280	290 230	460 370	430 350
CFMAT 500 FPM					—	—	6000	—	—	8000	10000	9000	12000	15000			
HIGH CAPACITY FILTER BOX				PRE FILTERS BAG FILTERS	QTY-DIM. SQ. FT.	—	—	2-12 x 24 2-24 x 24 12.00	—	—	4-24 x 24 16.00	2-12 x 24 4-24 x 24 20.00	3-12 x 24 3-24 x 24 18.00	6-24 x 24 24.00	3-12 x 24 6-24 x 24 30.00		
						WEIGHT	2 ADAPTORS C/W FILTERS	—	—	270 220	—	—	360 280	460 370	380 310	430 350	510 420
WEIGHT (LB)				DAMPERS	ANTI-STRATA MIXING BOX			130	200	240	300	320	345	470	450	540	630
					SHUTOFF	INTERNAL	35	50	60	80	90	90	110	100	120	140	
						EXTERNAL	65	85	100	140	160	185	215	180	200	330	
						ELIMINATOR			50	65	80	100	95	110	130	140	160
			ELIMINATOR / HUMIDIFIER			60	75	90	115	115	125	145	160	180	190		
		PLENUMS	ACCESS			55	70	80	90	110	100	110	120	130	140		
			SPACER			20	30	35	40	45	45	65	55	70	90		
			90° CSAH			45	75	100	120	110	160	210	160	230	240		
			90° MVT			65	118	147	177	173	218	309	236	297	294		
	MULTIZONE MZ			—	465	570	680	780	805	1110	1255	1385	1535				

FC: Forward curved blades

BI: Backwardly inclined blades

AS-AD: Airfoil blades

PHYSICAL DATA

IMPERIAL UNITS

				UNIT NO.	8-E	10-F	9-I	10-J	11-K	12-L	13-M	14-N	15-O				
				CFM	8000 18600	11000 23000	11000 23000	13000 28000	14000 32000	16000 38500	24000 46500	29000 56000	34000 61000				
FAN SECTION	LOW PRESSURE	FC	QTY-DIA. SQ. FT.	2-18.125 5.74	2-20.0 8.50	1-27.5 8.39	1-30.0 9.38	—	—	—	—	—	—				
		BI, AS-AD	QTY-DIA. SQ. FT.	2-18.25 7.00	2-20.0 8.38	1-27.0 7.60	1-30.0 9.43	1-33.0 11.39	1-36.5 13.92	1-40.25 16.93	1-44.5 20.66	1-49.0 26.49					
	VARIMARK II		WEIGHT	—	—	205	217	238	269	289	305	376					
	MEDIUM PRESSURE	FC	QTY-DIA. SQ. FT.	2-15.0 4.10	2-18.125 5.74	1-25.0 6.78	1-27.5 8.39	—	—	—	—	—	—				
		BI, AS-AD	QTY-DIA. SQ. FT.	2-16.5 5.72	2-18.25 7.00	1-24.5 6.27	1-27.0 7.60	1-30.0 9.43	1-33.0 11.39	1-36.5 13.92	1-40.25 16.93	1-44.5 20.66					
	VARIMARK II		WEIGHT	—	—	195	205	217	238	269	289	305					
	HIGH PRESSURE	AS-AD	QTY-DIA. SQ. FT.	—	—	1-22.25 5.18	1-24.5 6.27	1-27.0 7.60	1-30.0 9.34	1-33.0 11.39	1-36.5 13.92	1-40.25 16.93					
	VARIMARK II		WEIGHT	—	—	186	195	205	217	238	269	289					
	WEIGHT LESS MOTOR	LOW PRESSURE			910	1240	1200	1420	1630	2200	2780	3490	4150				
		MEDIUM PRESSURE			970	1290	1140	1400	1570	2050	2660	3295	3960				
				HIGH PRESSURE			—	—	1360	1610	1875	2450	3140	3950	4615		
O.D.P. MOTOR 1800 RPM NOM.				HP			30	40	50	60	75	100	100	125	125		
				MAXIMUM FRAME			286T	324T	326T	364T	365T	404T	404T	405T	405T		
				SHAFT DIAMETER			1.875	2.125	2.125	2.375	2.375	2.875	2.875	2.875	2.875		
				WEIGHT			303	360	525	680	775	925	925	1028	1028		
				STANDARD POSITION			OUT	OUT	INS	INS	INS	INS	INS	INS	INS		
COILS		HEATING AND COOLING	FULL FACE	QTY-DIM. SQ. FT.	1-36 x 90 22.50	1-42 x 102 29.75	1-24 x 78 1-27 x 78 26.62	1-27 x 84 1-30 x 84 33.25	1-30 x 90 1-33 x 90 39.38	1-33 x 102 1-36 x 102 48.88	2-39 x 114 61.75	2-42 x 126 73.50	1-42 x 139 1-45 x 139 83.90				
				CONN. QTY	2	2	4	4	4	4	4	4	4				
			SMALL FACE	QTY-DIM. SQ. FT.	1-27 x 90 16.88	1-30 x 102 21.25	1-39 x 78 21.13	1-42 x 84 24.50	1-21 x 90 1-24 x 90 28.13	1-24 x 102 1-27 x 102 36.13	2-30 x 114 47.50	2-33 x 126 57.75	1-33 x 139 1-36 x 139 66.60				
				CONN. QTY	2	2	2	2	4	4	4	4	4				
		HEATING	MZ	QTY-DIM. SQ. FT.	1-18 x 90 11.25	1-21 x 102 14.88	1-24 x 78 13.00	1-30 x 84 17.50	1-33 x 90 20.63	1-36 x 102 25.50	1-36 x 114 28.50	1-42 x 126 36.75	1-48 x 139 46.33				
				CONN. QTY	2	2	2	2	2	2	2	2	2				
		LAMILINE	LLW-H LLS-H	QTY-DIM. SQ. FT.	1-36 x 90 22.50	1-45 x 102 31.87	1-54 x 78 29.25	1-54 x 84 31.50	1-63 x 90 39.37	1-72 x 102 51.00	1-72 x 114 57.00	1-84 x 126 70.87	1-90 x 139 1-90 x 139 78.18				
				CONN. QTY	2	2	2	2	2	2	2	4	4				
			LLS-V	QTY-DIM. SQ. FT.	1-36 x 90 22.50	1-54 x 81 30.37	1-45 x 99 30.94	1-60 x 81 33.75	1-66 x 90 41.25	1-72 x 99 49.50	1-84 x 108 63.00	1-90 x 54 1-90 x 63 73.12	1-90 x 63 78.75				
				CONN. QTY	2	2	2	2	2	2	2	4	4				
		FILTER SECTIONS		STANDARD EFFICIENCY		LOW CAPACITY FLAT FILTER BOX	FILTERS	QTY-DIM. SQ. FT.	2-16 x 20 2-20 x 20 2-16 x 25 22.46	5-20 x 20 5-20 x 25 31.20	3-16 x 25 6-20 x 25 29.13	9-20 x 20 3-20 x 25 35.34	6-16 x 20 2-20 x 20 6-16 x 25 2-20 x 25 42.42	10-16 x 20 10-20 x 20 10-16 x 25 49.90	10-16 x 20 15-16 x 25 63.75	10-16 x 20 15-20 x 20 2-16 x 25 3-20 x 25 79.70	6-16 x 20 6-16 x 25 9-20 x 20 9-20 x 25 86.25
								THROWAWAY PERMANENT	85 170	100 220	85 200	100 240	100 270	130 335	150 410	180 500	150 500
MEDIUM CAPACITY ANGLE FILTER	FILTERS					QTY-DIM. SQ. FT.	9-20 x 20 3-20 x 25 35.34	6-16 x 20 3-20 x 20 6-20 x 25 42.45	4-16 x 20 12-20 x 20 42.12	16-16 x 20 4-20 x 20 46.60	10-20 x 20 10-20 x 25 62.40	20-20 x 25 18-20 x 20 12-20 x 25 69.40	30-20 x 20 6-20 x 25 103.92	24-16 x 20 18-20 x 25 115.00			
						WEIGHT	THROWAWAY PERMANENT	180 315	195 360	220 380	230 410	265 500	310 570	370 715	400 800	425 890	
BOX → AND MIXING BOX →	WEIGHT					THROWAWAY PERMANENT	570 690	680 830	700 860	730 930	1060 1260	1050 1250	1310 1610	1540 1900	1770 2130		
						QTY-DIM. SQ. FT.	12-20 x 20 4-20 x 25 47.12	16-20 x 25 55.52	4-16 x 25 12-20 x 25 52.72	20-20 x 25 69.40	12-20 x 20 12-20 x 25 74.88	30-20 x 25 16-20 x 25 104.10	24-20 x 20 8-20 x 25 122.00	40-20 x 20 8-20 x 25 138.56	32-16 x 20 24-20 x 25 154.44		
HIGH EFFICIENCY				HIGH CAPACITY ANGLE FILTER BOX	WEIGHT	THROWAWAY PERMANENT	200 390	230 430	250 445	290 550	270 560	370 770	420 900	460 1010	500 1150		
						CFMAT 500 FPM	12000	16000	16000	20000	21000	24000	30000	40000	48000		
				MEDIUM CAPACITY FILTER BOX	PREFILTERS BAGFILTERS	QTY-DIM. SQ. FT.	4-12 x 24 4-24 x 24 24.00	8-24 x 24 32.00	8-24 x 24 32.00	4-12 x 24 8-24 x 24 40.00	3-12 x 24 9-24 x 24 42.00	12-24 x 24 48.00	15-24 x 24 60.00	20-24 x 24 80.00	24-24 x 24 96.00		
						WEIGHT	2 ADAPTORS 1 ADAPTOR	535 440	535 440	535 440	620 520	645 545	800 660	855 725	1000 830	1170 970	
				HIGH CAPACITY FILTER BOX	PRE FILTERS BAG FILTERS	QTY-DIM. SQ. FT.	8-24 x 24 32.00	10-24 x 24 40.00	4-12 x 24 8-24 x 24 40.00	—	3-12 x 24 12-24 x 24 54.00	15-24 x 24 60.00	5-12 x 24 15-24 x 24 70.00	24-24 x 24 96.00	—		
						WEIGHT	2 ADAPTORS 1 ADAPTOR	535 440	625 525	590 500	—	745 645	775 675	970 840	1200 1020	—	
WEIGHT (LBS)		ANTI-STRATA MIXING BOX			575	830	1060	1280	1510	1790	2470	2930	3920				
		DAMPERS	SHUTOFF			150	190	160	180	200	235	290	325	365			
			INTERNAL			150	190	160	180	200	235	290	325	365			
			EXTERNAL			340	420	285	300	375	435	600	720	815			
		PLENUMS	ELIMINATOR			190	240	210	240	270	330	400	460	890			
			ELIMINATOR / HUMIDIFIER			215	270	235	265	295	360	435	500	925			
			ACCESS			150	210	190	200	220	250	280	300	320			
			SPACER			65	120	120	160	170	220	250	300	320			
			90° CSAH			230	330	—	—	—	—	—	—	—			
			90° MVT			313	417	—	—	—	—	—	—	—			
		MULTIZONE MZ			1450	1975	1830	2185	2480	3020	3640	4470	4805				

UNIT IDENTIFICATION: MODEL MVT UNIT NO. 10-J FAN 30BI PRESSURE LP

SI UNITS

PHYSICAL DATA

				UNIT NO.	2-A	3-A	4-C	5-C	5-A	5-E	6-F	6-C	7-G	8-H	
				m²/s	0.5 1.2	1.0 2.5	1.3 2.8	1.7 3.8	2.0 4.2	1.9 4.7	2.6 5.7	2.4 6.1	3.1 7.3	4.2 8.5	
FAN SECTION	LOW PRESSURE	FC	QTY-DIA. m²	1-241 0.08	1-321 0.14	1-381 0.19	1-381 0.19	2-321 0.27	1-460 0.27	1-508 0.39	2-381 0.38	1-558 0.48	1-635 0.63		
		BI, AS-AD	QTY-DIA. m²	—	1-342 0.15	1-381 0.22	1-381 0.22	2-311 0.29	1-463 0.32	1-508 0.39	2-381 0.44	1-565 0.48	1-622 0.58		
	VARIMARK II		WEIGHT	—	57	59	61	110	63	65	118	85	89		
	MEDIUM PRESSURE	FC	QTY-DIA. m²	—	1-270 0.10	1-321 0.14	1-321 0.14	2-270 0.19	1-381 0.19	1-460 0.27	2-231 0.27	1-508 0.40	1-508 0.40		
		BI, AS-AD	QTY-DIA. m²	—	1-311 0.15	1-342 0.18	1-381 0.22	—	1-419 0.27	1-463 0.32	2-342 0.36	1-508 0.39	1-565 0.48		
	VARIMARK II		WEIGHT	—	55	57	59	—	61	63	114	65	85		
	HIGH PRESSURE	AS-AD	QTY-DIA. m²	—	—	—	—	—	1-381 0.22	1-419 0.27	—	1-463 0.33	1-508 0.39		
			WEIGHT	—	—	—	—	—	59	61	—	63	65		
	WEIGHT LESS MOTOR		LOW PRESSURE		70	150	173	200	232	227	327	309	336	359	
			MEDIUM PRESSURE		—	159	177	218	250	245	350	332	355	382	
HIGH PRESSURE			—	—	—	—	—	286	364	—	382	455			
O.D.P. MOTOR 1800 RPM NOM.			HP		3	7.5	7.5	10	15	20	15	20	30	40	
			MAXIMUM FRAME		182T	213T	213T	215T	254T	256T	254T	256T	286T	324T	
			SHAFT DIAMETER		28.5	34.9	34.9	34.9	41.2	41.2	41.2	41.2	47.6	53.9	
			WEIGHT		35	57	57	66	98	116	98	116	164	215	
			STANDARD POSITION		OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	
COILS	HEATING AND COOLING	FULL FACE	QTY-DIM. m²	1-457x609 0.27	1-609x914 0.55	1-762x914 0.69	1-762x1219 0.92	1-609x1676 1.02	1-914x1219 1.11	1-990x1371 1.35	1-762x1828 1.39	1-990x1676 1.66	2-609x1676 2.04		
			CONN. QTY	2	2	2	2	2	2	2	2	2	2		
		SMALL FACE	QTY-DIM. m²	1-304x609 0.18	1-318x914 0.34	1-533x914 0.48	1-533x1219 0.65	1-381x1676 0.63	1-685x1219 0.83	1-762x1371 1.04	1-533x1828 0.97	1-762x1676 1.27	1-914x1676 1.53		
			CONN. QTY	2	2	2	2	2	2	2	2	2	2		
	HEATING	MZ	QTY-DIM. m²	—	1-304x914 0.27	1-381x914 0.34	1-381x1219 0.46	1-381x1676 0.63	1-457x1219 0.55	1-533x1371 0.73	1-457x1828 0.83	1-533x1676 0.89	1-609x1676 1.02		
			CONN. QTY	—	2	2	2	2	2	2	2	2	2		
	LAMILINE	LLW-H LLS-H	QTY-DIM. m²	1-457x610 0.28	1-686x914 0.62	1-666x914 0.62	1-686x1219 0.83	1-686x1676 1.13	1-914x1219 1.10	1-1143x1372 1.55	1-686x1829 1.24	1-914x1676 1.51	1-1143x1676 1.89		
			CONN. QTY	2	2	2	2	2	2	2	2	2	2		
		LLS-V	m²	1-457x686 0.31	1-610x914 0.55	1-762x914 0.69	1-762x1143 0.86	1-610x1600 0.96	1-914x1143 1.03	1-1067x1372 1.44	1-762x1829 1.38	1-1067x1600 1.69	1-1295x1600 2.05		
			CONN. QTY	2	2	2	2	2	2	2	2	2	2		
	FILTER SECTIONS	STANDARD EFFICIENCY	LOW CAPACITY FLAT FILTER BOX	FILTERS	QTY-DIM. m²	1-508x635	1-406x635 1-508x635	1-406x635 1-508x635	2-406x508 2-406x635	4-406x635	1-406x508 1-508x508 1-406x635 1-508x635	2-508x508 4-406x635	2-406x508 4-406x635	2-406x508 4-508x635	8-406x635
					0.32	0.57	0.57	0.92	1.02	1.04	1.33	1.43	1.69	2.04	
WEIGHT				THROWAWAY	14	16	20	23	25	27	30	32	34	39	
				PERMANENT	18	27	30	41	45	45	55	64	64	71	
MEDIUM CAPACITY ANGLE FILTER BOX → AND MIXING BOX →			FILTERS	QTY-DIM. m²	2-508x508	2-406x508 2-508x508	2-406x635 2-508x635	3-406x508 3-406x635	8-406x508	3-508x508 3-508x635	6-406x508 3-508x508	3-406x508 6-406x635	3-406x508 6-508x635	4-406x508 4-508x635	4-406x508 4-508x635
				0.51	0.92	1.15	1.38	1.63	1.72	1.99	2.16	2.53	3.11		
			WEIGHT	THROWAWAY	27	36	43	45	55	52	57	59	64	77	
				PERMANENT	36	55	64	70	86	86	95	102	114	136	
HIGH CAPACITY ANGLE FILTER BOX			FILTERS	QTY-DIM. m²	2-508x635	2-406x635 2-508x635	3-406x508 3-508x508	9-406x508	8-406x635	9-406x635	6-406x635 3-508x635	6-406x508 6-508x508	4-406x508 8-508x635	4-406x508 8-508x635	5-406x508 10-508x635
				0.64	1.15	1.38	1.48	2.64	2.29	2.49	2.75	3.37	4.21		
			WEIGHT	THROWAWAY	32	41	43	50	64	55	68	68	73	86	
				PERMANENT	43	64	68	86	100	100	114	123	136	164	
HIGH EFFICIENCY		MEDIUM CAPACITY FILTER BOX	m²/s AT 2.5 m/s		0.9	1.9	1.9	2.8	2.8	2.8	3.8	2.8	4.7	5.7	
			PRE FILTERS BAG FILTERS	QTY-DIM. m²	1-610x610	2-610x610	2-610x610	2-305x610 2-610x610	3-610x610	2-305x610 2-610x610	4-610x610	3-610x610	2-305x610 4-610x610	6-610x610	
				WEIGHT	0.36	0.74	0.74	1.10	1.10	1.10	1.47	1.10	1.84	2.20	
			C/W FILTERS	2 ADAPTORS	64	98	98	123	132	123	164	132	209	195	
	1 ADAPTOR	50		73	73	100	105	100	127	105	168	159			
	m³/s AT 2.5 m/s		—	—	2.8	—	—	3.8	4.7	4.2	5.7	7.1			
	HIGH CAPACITY FILTER BOX	PRE FILTERS BAG FILTERS	QTY-DIM. m²	—	—	2-305x610 2-610x610	—	—	4-610x610	2-305x610 4-610x610	3-305x610 3-610x610	6-610x610	3-305x610 6-610x610		
			WEIGHT	—	—	1.10	—	—	1.47	1.84	1.66	2.21	2.76		
WEIGHT (kg)	DAMPERS	ANTI-STRATA MIXING BOX		59	91	109	136	145	157	214	205	245	286		
		SHUTOFF	16	23	27	36	41	41	50	45	55	64			
			INTERNAL	16	23	27	36	41	41	50	45	55	64		
			EXTERNAL	30	39	45	64	73	84	98	82	91	150		
	ELIMINATOR	ELIMINATOR		23	30	36	45	43	50	59	64	73	77		
		ELIMINATOR / HUMIDIFIER		27	34	41	52	52	57	66	73	82	86		
		ACCESS	25	32	36	41	50	45	50	55	59	64			
			SPACER	9	14	16	18	20	20	30	25	32	41		
	PLENUMS		90° CSAH	20	34	45	55	50	73	95	73	105	105		
			90° MVT	29	53	67	80	78	99	140	107	134	133		
		MULTIZONE MZ		—	211	259	309	355	366	505	570	630	698		
				—	—	—	—	—	—	—	—	—	—		

FC: Forward curved blades

BI: Backwardly inclined blades

AS-AD: Airfoil blades

PHYSICAL DATA

SI UNITS

				UNIT NO.	8-E	10-F	9-I	10-J	11-K	12-L	13-M	14-N	15-O	
				m³/s	3.2	5.2	5.2	6.1	6.6	7.5	11.3	13.7	16.0	
					8.8	10.8	10.8	13.2	15.1	18.2	21.9	26.4	28.8	
FAN SECTION	LOW PRESSURE	FC	QTY-DIA. m²	2-460 0.53	2-508 0.78	1-698 0.75	1-762 0.86	—	—	—	—	—	—	
		BI, AS-AD	QTY-DIA. m²	2-463 0.64	2-508 0.77	1-686 0.69	1-762 0.85	1-838 1.03	1-927 1.26	1-1022 1.53	1-1130 1.88	1-1245 2.28		
	VARIMARK II		WEIGHT	126	130	93	99	108	122	131	139	171		
	MEDIUM PRESSURE	FC	QTY-DIA. m²	2-381 0.38	2-460 0.53	1-635 0.62	1-698 0.75	—	—	—	—	—	—	
		BI, AS-AD	QTY-DIA. m²	2-419 0.53	2-463 0.64	1-622 0.57	1-686 0.69	1-762 0.85	1-838 1.04	1-927 1.26	1-1022 1.54	1-1130 1.88		
	VARIMARK II		WEIGHT	122	126	89	93	99	108	122	131	139		
	HIGH PRESSURE	AS-AD	QTY-DIA. m²	—	—	1-565 0.48	1-622 0.57	1-686 0.69	1-762 0.85	1-838 1.03	1-927 1.26	1-1022 1.54		
	VARIMARK II		WEIGHT	—	—	85	89	93	99	108	122	131		
	WEIGHT LESS MOTOR	LOW PRESSURE			414	564	545	645	741	1000	1264	1586	1886	
		MEDIUM PRESSURE			441	586	518	636	714	932	1209	1498	1800	
		HIGH PRESSURE			—	—	618	732	852	1114	1427	1795	2098	
		HP			25	40	50	50	60	75	100	125	125	
MAXIMUM FRAME			284T	324T	326T	326T	364T	365T	404T	405T	405T			
O.D.P. MOTOR 1800 RPM NOM.			SHAFT DIAMETER	47.6	53.9	53.9	53.9	60.3	60.3	73.0	73.0	73.0		
			WEIGHT	138	215	239	239	309	352	420	467	467		
			STANDARD POSITION	OUT	OUT	INS.	INS.	INS.	INS.	INS.	INS.	INS.		
COILS	HEATING AND COOLING	FULL FACE	QTY-DIM. m²	1-914x2286	1-1066x2590	1-609x1981	1-685x2133	1-762x2286	1-762x2590	1-914x2895	2-1066x3200	1-762x3048		
			CONN. QTY	2.09	2.76	2.56	3.08	3.65	4.54	5.73	6.82	7.89		
			QTY-DIM. m²	1-685x2286	1-762x2590	1-990x1981	2-533x2133	1-533x2286	1-609x2590	2-762x2895	2-838x3200	1-609x3048		
		SMALL FACE	CONN. QTY	2	2	2	4	4	4	4	4	4		
			QTY-DIM. m²	1.56	1.97	1.96	2.27	2.61	3.35	4.41	5.36	6.03		
			CONN. QTY	2	2	2	4	4	4	4	4	4		
	HEATING	MZ	QTY-DIM. m²	1-457x2286 1.04	1-533x2590 1.38	1-609x1981 1.20	1-762x2133 1.62	1-838x2286 1.91	1-914x2590 2.36	1-914x2895 2.64	1-1066x3200 3.41	1-1219x3048 4.31		
			CONN. QTY	2	2	2	2	2	2	2	2	2		
	LAMILINE	LLW-H LLS-H	QTY-DIM. m²	1-914x2286	1-1143x2591	1-1372x1981	1-1372x2134	1-1600x2286	1-1829x2591	1-1829x2896	1-914x3200 1-1143x3200	1-914x3531 1-1143x3531		
			CONN. QTY	2	2	2	2	2	2	2	4	4		
		LLS-V	QTY-DIM. m²	1-914x2286	1-1372x2507	1-1143x2515	1-1524x2057	1-1676x2286	1-1829x2515	1-2134x2743	1-2286x1372 1-2286x1600	2-2286x1600		
			CONN. QTY	2	2	2	2	2	2	2	4	4		
FILTER SECTIONS	STANDARD EFFICIENCY	LOW CAPACITY FLAT FILTER BOX	FILTERS	QTY-DIM. m²	2-406x508 2-508x508 2-406x635 2-508x635	5-508x508 5-508x635	3-406x635 6-508x635	9-508x508 3-508x635	6-406x508 2-508x508 6-406x635 2-508x635	10-406x508 10-508x508	10-406x508 15-406x635	10-406x508 15-508x508 2-406x635 3-508x635	6-406x508 6-508x635 9-508x508 9-508x635	
				WEIGHT	THROWAWAY	39	45	39	45	45	59	68	82	68
					PERMANENT	77	100	91	109	123	152	186	227	227
		MEDIUM CAPACITY ANGLE FILTER	FILTERS	QTY-DIM. m²	2-508x508 2-508x635	6-406x508 3-508x508 6-508x635	4-406x508 12-508x508	16-406x508 4-508x508	10-508x508 10-508x635	20-508x635	18-508x508 12-508x635	30-508x508 6-508x635	24-406x508 18-508x635	
				WEIGHT	THROWAWAY	82	87	100	105	120	141	168	182	193
					PERMANENT	143	164	173	186	227	259	325	364	405
		BOX → AND MIXING BOX →	WEIGHT	THROWAWAY	259	309	318	332	482	477	595	700	805	
				PERMANENT	314	377	391	423	573	568	732	864	968	
			HIGH CAPACITY ANGLE FILTER BOX	FILTERS	QTY-DIM. m²	12-508x508 4-508x635	12-508x635 5.11	4-406x635 12-508x635 4.85	20-508x635 6.38	12-508x508 12-508x635 6.89	30-508x635 9.58	24-508x508 16-508x635 11.22	40-508x508 8-508x635 12.75	32-406x508 24-508x635 14.21
		WEIGHT			THROWAWAY	91	105	114	132	123	168	191	209	227
					PERMANENT	177	200	202	250	255	350	409	459	523
		HIGH EFFICIENCY	MEDIUM CAPACITY FILTER BOX	m³/s AT 2.5 m/s			5.7	7.5	7.5	9.4	9.9	11.3	14.1	18.9
	PREFILTERS BAGFILTERS			QTY-DIM. m²	4-305x610 4-610x610	8-610x610	8-610x610	4-305x610 2-610x610	3-305x610 9-610x610	12-610x610	15-610x610	20-610x610	24-610x610	
				WEIGHT	2.20	2.94	2.94	3.68	3.86	4.42	5.52	7.36	8.92	
	C/W FILTERS			2 ADAPTORS	243	243	243	282	293	364	389	455	532	
			1 ADAPTOR	200	200	200	236	248	300	330	377	441		
	m³/s AT 2.5 m/s			7.5	9.4	9.4	—	12.7	14.1	16.5	22.6	—		
	HIGH CAPACITY FILTER BOX	PRE FILTERS BAG FILTERS	QTY-DIM. m²	8-610x610	10-610x610	4-305x610 8-610x610	—	3-305x610 12-610x610	15-610x610	5-305x610 15-610x610	24-610x610	—		
WEIGHT			294	3.68	3.68	—	4.97	5.52	6.44	8.83	—			
2 ADAPTORS			243	284	268	—	339	352	441	545	—			
1 ADAPTOR			200	239	227	—	293	307	382	464	—			
MULTIZONE MZ		m³/s AT 2.5 m/s			7.5	9.4	9.4	—	12.7	14.1	16.5	22.6		
		m³/s AT 2.5 m/s			7.5	9.4	9.4	—	12.7	14.1	16.5	22.6		
WEIGHT (kg)	DAMPERS	ANTI-STRATA MIXING BOX			261	377	482	582	686	814	1123	1332	1782	
		SHUTOFF	68	86	73	82	91	107	132	148	166			
			INTERNAL	68	86	73	82	91	107	132	148	166		
			EXTERNAL	155	191	130	136	170	198	273	327	370		
		ELIMINATOR	86	109	95	109	123	150	182	209	405			
			HUMIDIFIER	98	123	107	120	134	164	198	227	420		
	ACCESS		68	95	86	91	100	114	127	136	145			
			SPACER	30	55	55	73	77	100	114	136	145		
			90° CSAH	105	150	—	—	—	—	—	—	—		
			90° MVT	141	189	—	—	—	—	—	—	—		
		MULTIZONE MZ	m³/s AT 2.5 m/s			659	898	832	993	1127	1373	1654	2032	2184
			m³/s AT 2.5 m/s			659	898	832	993	1127	1373	1654	2032	2184
	m³/s AT 2.5 m/s			659	898	832	993	1127	1373	1654	2032	2184		
	m³/s AT 2.5 m/s			659	898	832	993	1127	1373	1654	2032	2184		
	m³/s AT 2.5 m/s			659	898	832	993	1127	1373	1654	2032	2184		
	m³/s AT 2.5 m/s			659	898	832	993	1127	1373	1654	2032	2184		

UNIT IDENTIFICATION: MODEL MVT UNIT NO. 10-J FAN 30BI PRESSURE LP

IMPERIAL DATA

PERFORMANCE

LOW PRESSURE

9 F BLOWER

OUTLET AREA: 0.84 SQ. FT.

CFM	COIL VELOCITY			0.50 SP		0.75 SP		1.00 SP		1.25 SP		1.50 SP		1.75 SP		2.00 SP		2.50 SP		3.00 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1000	333	500	—	819	0.16																
1200	400	600	—	845	0.21	1001	0.28	1145	0.36												
1400	467	700	—	882	0.27	1025	0.35	1157	0.44	1282	0.53										
1600	533	800	—	927	0.36	1058	0.44	1181	0.53	1297	0.63	1408	0.73	1515	0.84						
1800	600	900	—	979	0.46	1099	0.55	1213	0.65	1322	0.75	1426	0.86	1526	0.97	1623	1.09				
2000	667	1000	—	1036	0.58	1146	0.68	1252	0.79	1354	0.90	1452	1.01	1547	1.13	1638	1.25	1814	1.51		
2200	733	1100	—	1097	0.74	1198	0.84	1297	0.95	1392	1.07	1485	1.19	1574	1.31	1661	1.44	1828	1.71	1988	2.00
2400	800	1200	—	1161	0.91	1254	1.02	1346	1.14	1436	1.27	1523	1.39	1608	1.53	1691	1.66	1850	1.94	2002	2.24
2600	867	1300	—	1228	1.12	1314	1.24	1400	1.36	1484	1.49	1566	1.63	1646	1.77	1725	1.91	1877	2.20	2023	2.51

A - FULL FACE B - SMALL FACE C - MZ

PERFORMANCE

IMPERIAL DATA

LOW PRESSURE

12 F BLOWER

OUTLET AREA: 1.46 SQ. FT.

CFM	COIL VELOCITY			0.50 SP		0.75 SP		1.00 SP		1.25 SP		1.50 SP		1.75 SP		2.00 SP		2.50 SP		3.00 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2200	367	587	733	621	0.37	730	0.50	834	0.64	929	0.79										
2600	433	693	867	657	0.50	754	0.64	846	0.79	935	0.96	1019	1.13	1100	1.31						
3000	500	800	1000	695	0.68	787	0.83	870	0.99	951	1.16	1029	1.34	1105	1.54	1177	1.74	1314	2.16		
3400	567	907	1133	736	0.89	825	1.06	903	1.23	977	1.42	1048	1.61	1117	1.80	1186	2.02	1317	2.47	1440	2.94
3800	633	1013	1267	781	1.14	863	1.34	940	1.52	1010	1.72	1075	1.93	1140	2.14	1203	2.35	1326	2.82	1444	3.32
4200	700	1120	1400	829	1.45	905	1.66	978	1.88	1047	2.08	1109	2.30	1169	2.53	1228	2.76	1342	3.23	1454	3.75
4600	767	1227	1533	881	1.82	950	2.04	1019	2.28	1084	2.51	1146	2.73	1204	2.97	1259	3.22	1366	3.72	1470	4.24
5000	833	1333	1667	933	2.26	998	2.48	1061	2.74	1124	3.00	1184	3.24	1241	3.49	1295	3.75	1396	4.29	1494	4.83
5400	900	1440	1800	985	2.75	1048	3.00	1107	3.25	1166	3.54	1224	3.82	1279	4.09	1332	4.35	1430	4.91	1523	5.50

12 BI BLOWER

OUTLET AREA: 1.57 SQ. FT.

CFM	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2200	367	587	733	1558	0.44	1678	0.56	1785	0.69	1880	0.81	1971	0.93	2058	1.05	2141	1.19	2292	1.45	2436	1.72
2600	433	693	867	1747	0.62	1868	1.77	1965	0.90	2060	1.05	2143	1.19	2223	1.33	2301	1.47	2448	1.77	2586	2.09
3000	500	800	1000	1961	0.88	2046	1.00	2156	1.18	2244	1.34	2323	1.50	2403	1.67	2474	1.84	2611	2.16	2742	2.49
3400	567	907	1133	2176	1.20	2255	1.34	2331	1.48	2430	1.69	2515	1.88	2581	2.04	2654	2.24	2787	2.62	2909	2.99
3800	633	1013	1267	2394	1.58	2469	1.76	2536	1.90	2606	2.06	2694	2.30	2778	2.54	2841	2.72	2967	3.12	3087	3.56
4200	700	1120	1400	2616	2.04	2685	2.24	2751	2.43	2809	2.58	2872	2.76	2950	3.01	3031	3.29	3152	3.71	3267	4.16
4600	767	1227	1533	2840	2.59	2902	2.81	2965	3.03	3025	3.24	3077	3.39	3133	3.58	3201	3.84	3346	4.43	3452	4.88
5000	833	1333	1667	3065	3.24	3123	3.48	3181	3.72	3238	3.96	3292	4.17	3340	4.34	3390	4.53	3517	5.11	3648	5.74
5400	900	1440	1800	3292	4.00	3347	4.26	3399	4.51	3454	4.78	3506	5.03	3556	5.26	3600	5.44	3698	5.89	3821	6.56

12 AS BLOWER

OUTLET AREA: 1.57 SQ. FT.

CFM	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2200	367	587	733	1589	0.42	1706	0.54	1810	0.66	1900	0.78	1982	0.89	2061	1.00	2139	1.13	2294	1.41	2447	1.68
2600	433	693	867	1803	0.61	1898	0.72	1997	0.86	2091	1.01	2172	1.15	2247	1.29	2317	1.42	2450	1.69	2582	2.00
3000	500	800	1000	2026	0.85	2107	0.98	2191	1.11	2276	1.26	2361	1.43	2437	1.61	2507	1.77	2634	2.08	2752	2.39
3400	567	907	1133	2254	1.16	2327	1.30	2399	1.44	2473	1.59	2547	1.76	2624	1.95	2697	2.15	2825	2.52	2940	2.88
3800	633	1013	1267	2483	1.53	2552	1.70	2618	1.86	2681	2.02	2747	2.18	2814	2.36	2882	2.56	3014	3.00	3131	3.42
4200	700	1120	1400	2715	1.98	2781	2.17	2841	2.35	2900	2.53	2957	2.70	3017	2.89	3077	3.08	3199	3.51	3319	4.00
4600	767	1227	1533	2949	2.51	3010	2.73	3068	2.93	3122	3.13	3176	3.32	3229	3.51	3282	3.71	3392	4.13	3504	4.61
5000	833	1333	1667	3184	3.13	3242	3.37	3297	3.61	3348	3.83	3398	4.04	3448	4.25	3496	4.46	3595	4.89	3696	5.35
5400	900	1440	1800	3420	3.86	3475	4.12	3527	4.38	3577	4.63	3624	4.86	3670	5.09	3716	5.31	3806	5.76	3899	6.24

MEDIUM PRESSURE

10 F BLOWER

OUTLET AREA: 1.03 SQ. FT.

CFM	COIL VELOCITY			1.50 S.P.		1.75 S.P.		2.00 S.P.		2.25 S.P.		2.50 S.P.		2.75 S.P.		3.00 S.P.		3.50 S.P.		4.00 S.P.	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2400	400	640	800	1220	1.09	1304	1.22	1385	1.35	1471	1.66										
2600	433	693	867	1239	1.25	1319	1.38	1396	1.52	1484	1.85	1554	2.00	1623	2.16						
2800	467	747	933	1260	1.42	1337	1.56	1412	1.71	1500	2.07	1568	2.23	1634	2.39	1699	2.55				
3000	500	800	1000	1283	1.61	1358	1.76	1430	1.92	1519	2.31	1584	2.47	1648	2.64	1711	2.81	1833	3.15		
3200	533	853	1067	1309	1.82	1381	1.98	1451	2.15	1540	2.57	1604	2.74	1666	2.92	1726	3.09	1844	3.45	1958	3.82
3400	567	907	1133	1335	2.05	1406	2.22	1474	2.40	1563	2.85	1625	3.03	1685	3.21	1744	3.40	1859	3.77	1970	4.15
3600	600	960	1200	1363	2.30	1433	2.49	1499	2.67	1587	3.15	1648	3.35	1707	3.54	1764	3.73	1876	4.12	1983	4.52
3800	633	1013	1267	1392	2.57	1460	2.77	1525	2.96	1613	3.48	1673	3.68	1730	3.89	1786	4.09	1895	4.50	2000	4.91
4000	667	1067	1333	1422	2.87	1488	3.07	1552	3.28												

12 BI BLOWER

OUTLET AREA: 1.57 SQ. FT.

CFM	COIL VELOCITY			3.00 S.P.		3.25 S.P.		3.50 S.P.		3.75 S.P.		4.00 S.P.		4.25 S.P.		4.50 S.P.		5.00 S.P.		5.50 S.P.	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2400	400	640	800	2507	1.89	2572	2.03	2639	2.19	2706	2.35	2773	2.52	2840	2.70	2908	2.88	3045	3.27	3178	3.67
2700	450	720	900	2624	2.19	2689	2.35	2749	2.51	2809	2.66	2867	2.82	2925	2.99	2985	3.17	3105	3.54	3224	3.94
3000	500	800	1000	2742	2.49	2805	2.67	2867	2.85	2927	3.03	2985	3.22	3040	3.39	3093	3.56	3199	3.92	3305	4.30
3300	550	880	1100	2866	2.86	2927	3.04	2986	3.22	3044	3.41	3101	3.60	3157	3.80	3212	4.01	3315	4.40	3413	4.79
3600	600	960	1200	2997	3.26	3054	3.46	3111	3.65	3167	3.85	3222	4.05	3275	4.25	3328	4.45	3432	4.89	3532	5.33
3900	650	1040	1300	3133	3.71	3188	3.92	3242	4.13	3295	4.34	3348	4.55	3400	4.77	3451	4.98	3551	5.41	3648	5.87
4200	700	1120	1400	3267	4.16	3326	4.42	3378	4.65	3430	4.88	3479	5.11	3529	5.33	3578	5.56	3675	6.02	3769	6.48
4500	750	1200	1500	3402	4.67	3457	4.92	3512	5.18	3567	5.45	3616	5.70	3664	5.95	3711	6.19	3804	6.68	3895	7.17
4800	800	1280	1600	3553	5.31	3600	5.53	3646	5.76	3698	6.03	3750	6.31	3802	6.60	3848	6.87	3938	7.39	4025	7.91

12 AS BLOWER

OUTLET AREA: 1.57 SQ. FT.

2400	400	640	800	2509	1.84	2579	1.99	2650	2.14	2720	2.30	2791	2.46	2863	2.65	2936	2.84	3079	3.25	3215	3.64
2700	450	720	900	2622	2.08	2685	2.25	2748	2.42	2811	2.59	2874	2.76	2936	2.92	2999	3.10	3124	3.46	3253	3.88
3000	500	800	1000	2752	2.39	2809	2.55	2866	2.72	2924	2.89	2981	3.08	3038	3.26	3094	3.45	3207	3.83	3319	4.21
3300	550	880	1100	2892	2.75	2947	2.92	3000	3.09	3052	3.26	3104	3.43	3156	3.63	3208	3.82	3312	4.22	3415	4.64
3600	600	960	1200	3036	3.15	3090	3.34	3141	3.52	3191	3.70	3241	3.89	3289	4.07	3337	4.26	3432	4.66	3527	5.09
3900	650	1040	1300	3178	3.56	3232	3.78	3284	3.99	3335	4.20	3382	4.39	3429	4.59	3475	4.79	3565	5.19	3653	5.60
4200	700	1120	1400	3319	4.00	3375	4.24	3427	4.47	3477	4.70	3526	4.93	3573	5.15	3618	5.37	3705	5.79	3790	6.22
4500	750	1200	1500	3458	4.45	3514	4.71	3568	4.98	3619	5.23	3668	5.48	3715	5.73	3761	5.97	3849	6.45	3931	6.91
4800	800	1280	1600	3599	4.96	3653	5.23	3706	5.50	3759	5.78	3810	6.06	3858	6.33	3903	6.60	3991	7.12	4075	7.64

IMPERIAL DATA

PERFORMANCE

LOW PRESSURE

15 F BLOWER

OUTLET AREA: 2.05 SQ. FT.

CFM	COIL VELOCITY			0.50 SP		0.75 SP		1.00 SP		1.25 SP		1.50 SP		1.75 SP		2.00 SP		2.50 SP		3.00 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2800	373	533	747	496	0.40	596	0.57														
3200	427	610	853	509	0.49	601	0.67	688	0.87												
3600	480	686	960	526	0.60	612	0.79	692	1.00	769	1.23										
4000	533	762	1067	544	0.74	627	0.93	702	1.15	773	1.38	843	1.64								
4400	587	838	1173	564	0.89	644	1.11	716	1.33	783	1.57	847	1.83	910	2.11	973	2.40				
4800	640	914	1280	585	1.07	662	1.30	731	1.54	796	1.78	857	2.05	916	2.33	973	2.63	1089	3.28		
5200	693	990	1387	608	1.27	681	1.53	749	1.78	811	2.03	869	2.30	926	2.59	981	2.90	1088	3.55		
5600	747	1067	1493	633	1.50	701	1.77	767	2.05	828	2.32	884	2.60	939	2.89	991	3.20	1092	3.86	1192	4.59
6000	800	1143	1600	659	1.78	723	2.04	786	2.35	845	2.63	901	2.93	953	3.23	1004	3.54	1101	4.22	1194	4.94

15 BI BLOWER

OUTLET AREA: 2.36 SQ. FT.

2800	373	533	747	1100	0.44	1193	0.57	1274	0.70	1347	0.84	1425	0.98	1512	1.14						
3200	427	610	853	1212	0.57	1286	0.70	1370	0.86	1441	1.01	1505	1.17	1571	1.33	1640	1.49				
3600	480	686	960	1322	0.73	1395	0.88	1462	1.03	1537	1.21	1602	1.38	1660	1.56	1716	1.74	1838	2.10	1974	2.53
4000	533	762	1067	1434	0.92	1506	1.10	1567	1.26	1629	1.43	1697	1.63	1757	1.82	1811	2.01	1913	2.41	2022	2.81
4400	587	838	1173	1545	1.14	1617	1.34	1679	1.53	1732	1.70	1789	1.89	1851	2.12	1908	2.33	2007	2.75	2099	3.19
4800	640	914	1280	1658	1.39	1728	1.62	1789	1.83	1843	2.03	1892	2.22	1943	2.42	2000	2.67	2105	3.13	2194	3.60
5200	693	990	1387	1772	1.69	1840	1.93	1900	2.17	1955	2.40	2003	2.61	2048	2.81	2094	3.03	2199	3.56	2292	4.04
5600	747	1067	1493	1888	2.03	1951	2.28	2012	2.55	2065	2.80	2115	3.05	2159	3.27	2201	3.49	2290	3.98	2386	4.55
6000	800	1143	1600	2007	2.43	2064	2.69	2123	2.97	2176	3.25	2225	3.52	2271	3.78	2311	4.01	2390	4.48	2477	5.05

15 AS BLOWER

OUTLET AREA: 2.36 SQ. FT.

2800	373	533	747	1106	0.42	1193	0.54	1275	0.67	1360	0.83	1446	0.98	1537	1.15						
3200	427	610	853	1214	0.54	1294	0.68	1370	0.82	1441	0.97	1515	1.14	1589	1.31	1665	1.49				
3600	480	686	960	1327	0.69	1400	0.84	1470	0.99	1537	1.15	1600	1.32	1665	1.51	1731	1.70	1865	2.10	2007	2.56
4000	533	762	1067	1442	0.87	1510	1.04	1574	1.20	1637	1.37	1698	1.55	1755	1.73	1812	1.93	1931	2.36	2051	2.80
4400	587	838	1173	1559	1.08	1623	1.27	1683	1.45	1741	1.63	1798	1.82	1854	2.01	1906	2.21	2011	2.64	2118	3.12
4800	640	914	1280	1677	1.33	1738	1.53	1794	1.73	1849	1.93	1902	2.13	1955	2.33	2006	2.54	2102	2.98	2198	3.46
5200	693	990	1387	1796	1.61	1854	1.83	1908	2.05	1959	2.26	2009	2.48	2058	2.69	2107	2.92	2201	3.37	2289	3.85
5600	747	1067	1493	1917	1.94	1971	2.17	2023	2.41	2072	2.64	2119	2.87	2166	3.10	2211	3.34	2301	3.82	2387	4.31
6000	800	1143	1600	2038	2.32	2090	2.56	2139	2.82	2187	3.07	2232	3.32	2276	3.56	2319	3.81	2404	4.31	2487	4.83

MEDIUM PRESSURE

12 F BLOWER

OUTLET AREA: 1.46 SQ./FT.

CFM	COIL VELOCITY			1.50 SP		1.75 SP		2.00 SP		2.25 SP		2.50 SP		2.75 SP		3.00 SP		3.50 SP		4.00 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3100	413	590	827	1032	1.40	1107	1.60	1179	1.81	1248	2.02	1314	2.24								
3400	453	648	907	1048	1.61	1117	1.80	1186	2.02	1252	2.24	1317	2.47	1379	2.71	1440	2.94				
3700	493	705	987	1068	1.84	1134	2.05	1198	2.26	1261	2.49	1323	2.73	1383	2.97	1442	3.23				
4000	533	762	1067	1092	2.11	1154	2.33	1215	2.55	1274	2.77	1333	3.01	1391	3.27	1448	3.53	1555	3.74		
4300	573	819	1147	1118	2.40	1178	2.63	1235	2.87	1292	3.10	1348	3.35	1402	3.60	1457	3.86	1563	4.42	1665	5.00
4600	613	876	1227	1146	2.73	1204	2.97	1259	3.22	1313	3.47	1366	3.72	1419	3.98	1470	4.24	1572	4.81	1671	5.40
4900	653	933	1307	1175	3.11	1232	3.35	1285	3.61	1337	3.87	1388	4.14	1438	4.41	1488	4.68	1584	5.24	1680	5.84
5200	693	990	1387	1204	3.53	1260	3.78	1313	4.04	1364	4.31	1413	4.59	1460	4.88	1508	5.16	1601	5.73	1692	6.33
5500	733	1048	1467	1234	3.98	1289	4.25	1342	4.51	1391	4.79	1439	5.08	1486	5.38	1531	5.68	1621	6.28	1708	6.89

13 BI BLOWER

OUTLET AREA: 1.93 SQ. FT.

CFM	COIL VELOCITY			3.00 SP		3.25 SP		3.50 SP		3.75 SP		4.00 SP		4.25 SP		4.50 SP		5.00 SP		5.50 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2800	373	533	747	2199	2.11	2262	2.29	2329	2.47	2397	2.67	2465	2.87								
3200	427	610	853	2317	2.47	2369	2.65	2423	2.83	2477	3.02	2531	3.22	2586	3.42	2644	3.63	2764	4.07		
3600	480	686	960	2460	2.91	2507	3.10	2553	3.29	2598	3.48	2644	3.68	2691	3.88	2739	4.09	2835	4.52	2933	4.98
4000	533	762	1067	2606	3.42	2655	3.62	2698	3.83	2741	4.03	2783	4.24	2825	4.45	2866	4.66	2948	5.10	3034	5.56
4400	587	838	1173	2750	4.00	2797	4.22	2843	4.44	2888	4.66	2931	4.88	2971	5.11	3009	5.33	3086	5.79	3160	6.26
4800	640	914	1280	2902	4.65	2945	4.89	2987	5.12	3031	5.36	3074	5.60	3116	5.84	3157	6.09	3232	6.57	3304	7.06
5200	693	990	1387	3054	5.37	3098	5.63	3140	5.89	3180	6.15	3219	6.40	3260	6.66	3300	6.92	3377	7.44	3452	7.97
5600	747	1067	1493	3195	6.15	3245	6.44	3293	6.73	3334	7.01	3373	7.29	3410	7.57	3447	7.84	3521	8.40	3594	8.96
6000	800	1143	1600	3335	7.00	3386	7.31	3434	7.63	3481	7.95	3525	8.26	3564	8.56	3600	8.86	3670	9.45	3739	10.00

13 AS BLOWER

OUTLET AREA: 1.93 SQ. FT.

2800	373	533	747	2222	2.05	2298	2.25	2374	2.45												
3200	427	610	853	2304	2.32	2366	2.50	2430	2.70	2495	2.91	2561	3.13	2628	3.36	2695	3.59				
3600	480	686	960	2439	2.70	2482	2.88	2530	3.06	2562	3.26	2636	3.46	2693	3.68	2750	3.91	2866	4.39	2985	4.91
4000	533	762	1067	2602	3.18	2641	3.36	2679	3.55	2717	3.74	2756	3.94	2798	4.14	2844	4.36	2941	4.81	3044	5.31
4400	587	838	1173	2763	3.73	2804	3.93	2843	4.12	2879	4.32	2914	4.53	2949	4.74	2984	4.95	3055	5.38	3138	5.85
4800	640	914	1280	2915	4.32	2962	4.56	3003	4.78	3041	4.99	3078	5.21	3114	5.43	3146	5.65	3210	6.10	3274	6.56
5200	693	990	1387	3056	4.93	3106	5.20	3154	5.47	3199	5.73	3237	5.97	3274	6.21	3308	6.44	3375	6.91	3434	7.39
5600	747	1067	1493	3198	5.60	3247	5.90	3295	6.19	3341	6.48	3387	6.77	3430	7.06	3467	7.32	3535	7.83	3598	8.33
6000	800	1143	1600	3340	6.33	3389	6.65	3437	6.96	3483	7.28	3527	7.59	3571	7.90	3613	8.21	3693	8.82	3758	9.36

PERFORMANCE

IMPERIAL DATA

LOW PRESSURE

15 F BLOWER

OUTLET AREA: 2.05 SQ. FT.

CFM	COIL VELOCITY			0.50 SP		0.75 SP		1.00 SP		1.25 SP		1.50 SP		1.75 SP		2.00 SP		2.50 SP		3.00 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4000	400	571	800	519	0.68	605	0.88	681	1.09	753	1.32	823	1.56	892	1.83						
4500	450	643	900	539	0.85	621	1.08	695	1.30	763	1.53	827	1.79	889	2.06						
5000	500	714	1000	562	1.06	639	1.31	711	1.55	776	1.79	837	2.05	896	2.33	952	2.63	1064	3.26		
5500	550	786	1100	588	1.32	659	1.56	728	1.84	792	2.10	851	2.37	907	2.66	960	2.96	1064	3.60	1165	4.31
6000	600	857	1200	615	1.62	683	1.87	747	2.16	808	2.45	866	2.74	920	3.04	972	3.34	1071	4.00	1165	4.71
6500	650	929	1300	643	1.95	708	2.24	768	2.51	827	2.84	883	3.16	936	3.47	987	3.79	1082	4.46	1172	5.19
7000	700	1000	1400	672	2.33	735	2.65	792	2.94	847	3.27	901	3.62	953	3.96	1003	4.30	1095	4.99	1182	5.73
7500	750	1071	1500	702	2.77	762	3.12	817	3.44	869	3.75	921	4.11	971	4.50	1020	4.86	1110	5.58	1195	6.34
8000	800	1143	1600	733	3.26	790	3.63	844	3.99	894	4.32	942	4.67	991	5.06	1038	5.47	1127	6.24	1210	7.02

15 BI BLOWER

OUTLET AREA: 2.36 SQ. FT.

4000	400	571	800	1411	0.87	1487	1.05	1551	1.21	1610	1.37	1678	1.58	1741	1.77	1796	1.96	1898	2.36	2006	2.75
4500	450	643	900	1545	1.12	1621	1.34	1686	1.54	1741	1.72	1793	1.90	1852	2.11	1912	2.34	2015	2.76	2106	3.21
5000	500	714	1000	1683	1.44	1754	1.67	1819	1.90	1876	2.12	1926	2.32	1974	2.52	2022	2.73	2131	3.24	2224	3.70
5500	550	786	1100	1828	1.82	1889	2.06	1953	2.32	2010	2.57	2061	2.81	2108	3.04	2151	3.25	2241	3.72	2339	4.28
6000	600	857	1200	1974	2.28	2027	2.52	2086	2.79	2144	3.07	2195	3.35	2242	3.61	2286	3.87	2365	4.33	2449	4.86
6500	650	929	1300	2122	2.82	2170	3.06	2222	3.34	2277	3.64	2329	3.95	2376	4.25	2420	4.53	2499	5.07	2572	5.58
7000	700	1000	1400	2270	3.43	2316	3.70	2360	3.97	2412	4.29	2462	4.61	2510	4.94	2554	5.26	2634	5.88	2705	6.44
7500	750	1071	1500	2420	4.14	2463	4.42	2504	4.71	2549	5.02	2596	5.36	2643	5.71	2688	6.07	2768	6.75	2841	7.41
8000	800	1143	1600	2570	4.94	2610	5.24	2650	5.54	2688	5.85	2732	6.20	2777	6.57	2821	6.95	2901	7.70	2974	8.41

15 AS BLOWER

OUTLET AREA: 2.36 SQ. FT.

4000	400	571	800	1422	0.82	1491	0.99	1556	1.16	1620	1.33	1682	1.50	1739	1.68	1796	1.87	1914	2.31	2034	2.74
4500	450	643	900	1565	1.07	1630	1.26	1690	1.45	1747	1.63	1804	1.82	1860	2.02	1913	2.22	2014	2.64	2119	3.12
5000	500	714	1000	1709	1.38	1770	1.58	1827	1.80	1881	2.00	1933	2.20	1984	2.41	2034	2.63	2131	3.07	2222	3.53
5500	550	786	1100	1856	1.74	1913	1.96	1967	2.19	2018	2.43	2067	2.65	2114	2.88	2160	3.10	2252	3.58	2340	4.06
6000	600	857	1200	2004	2.17	2057	2.41	2108	2.66	2157	2.91	2204	3.16	2248	3.41	2292	3.65	2377	4.15	2461	4.67
6500	650	929	1300	2153	2.66	2204	2.92	2252	3.19	2298	3.46	2343	3.74	2386	4.01	2427	4.27	2507	4.81	2586	5.35
7000	700	1000	1400	2303	3.23	2351	3.52	2397	3.80	2441	4.08	2483	4.38	2525	4.68	2564	4.97	2641	5.55	2714	6.12
7500	750	1071	1500	2454	3.89	2499	4.19	2543	4.49	2585	4.79	2625	5.11	2665	5.42	2704	5.74	2777	6.37	2847	6.98
8000	800	1143	1600	2605	4.62	2649	4.95	2690	5.28	2730	5.60	2769	5.92	2807	6.26	2844	6.60	2915	7.28	2983	7.93

MEDIUM PRESSURE

12 F BLOWER

OUTLET AREA: 1.46 SQ. FT.

CFM	COIL VELOCITY			1.50 SP		1.75 SP		2.00 SP		2.25 SP		2.50 SP		2.75 SP		3.00 SP		3.50 SP		4.00 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3600	360	514	720	1040	1.70	1108	1.90	1173	2.11	1238	2.33	1302	2.57	1363	2.81	1423	3.06	1538	3.55		
4000	400	571	800	1068	2.03	1131	2.24	1192	2.46	1252	2.69	1311	2.92	1369	3.17	1427	3.43	1537	3.97	1643	4.52
4400	440	629	880	1100	2.41	1160	2.64	1217	2.88	1274	3.11	1329	3.36	1383	3.61	1437	3.86	1543	4.41	1645	5.00
4800	480	686	960	1133	2.85	1192	3.09	1248	3.34	1301	3.60	1353	3.86	1404	4.12	1455	4.38	1553	4.93	1651	5.53
5200	520	743	1040	1167	3.37	1225	3.62	1280	3.87	1332	4.14	1382	4.41	1430	4.70	1478	4.98	1572	5.55	1664	6.14
5600	560	800	1120	1203	3.92	1259	4.21	1313	4.49	1365	4.76	1414	5.04	1461	5.34	1507	5.64	1595	6.24	1683	6.86
6000	600	857	1200	1242	4.53	1295	4.86	1347	5.17	1397	5.47	1446	5.76	1493	6.05	1538	6.36	1624	7.00	1706	7.66
6400	640	914	1280	1283	5.23	1333	5.56	1383	5.91	1432	6.25	1479	6.56	1526	6.87	1571	7.18	1654	7.84	1735	8.53
6800	680	971	1360	1328	6.04	1374	6.35	1421	6.71	1468	7.08	1514	7.44	1559	7.77	1603	8.10	1687	8.76	1765	9.47

15 BI BLOWER

OUTLET AREA: 2.36 SQ. FT.

CFM	COIL VELOCITY			3.00 SP		3.25 SP		3.50 SP		3.75 SP		4.00 SP		4.25 SP		4.50 SP		5.00 SP		5.50 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4000	400	571	800	2006	2.75	2064	2.96	2125	3.19	2188	3.44										
4500	450	643	900	2106	3.21	2152	3.43	2199	3.65	2248	3.87	2298	4.10	2351	4.35	2406	4.62				
5000	500	714	1000	2224	3.70	2266	3.95	2307	4.20	2348	4.45	2388	4.70	2431	4.94	2475	5.19	2565	5.69	2662	6.27
5500	550	786	1100	2339	4.28	2384	4.54	2426	4.79	2465	5.06	2503	5.33	2540	5.60	2577	5.88	2652	6.42	2731	6.96
6000	600	857	1200	2449	4.86	2494	5.17	2540	5.48	2581	5.76	2621	6.04	2659	6.32	2694	6.61	2763	7.21	2831	7.81
6500	650	929	1300	2572	5.58	2608	5.84	2649	6.15	2691	6.48	2734	6.82	2774	7.14	2811	7.44	2883	8.05	2947	8.69
7000	700	1000	1400	2705	6.44	2739	6.71	2772	6.99	2806	7.27	2844	7.60	2883	7.96	2922	8.32	2997	9.01	3066	9.66
7500	750	1071	1500	2841	7.41	2874	7.70	2905	7.99	2937	8.28	2968	8.58	3000	8.88	3034	9.22	3107	9.97	3179	10.70
8000	800	1143	1600	2974	8.41	3009	8.76	3042	9.11	3072	9.41	3101	9.72	3131	10.00	3160	10.30	3219	11.00	3288	11.80

15 AS BLOWER

OUTLET AREA: 2.36 SQ. FT.

4000	400	571	800	2034	2.74	2096	2.97	2160	3.22	2224	3.48										
4500	450	643	900	2119	3.12	2172	3.36	2225	3.60	2278	3.85	2332	4.10	2389	4.38	2446	4.66				
5000	500	714	1000	2222	3.53	2268	3.79	2315	4.05	2363	4.33	2411	4.60	2458	4.87	2506	5.14	2604	5.70	2706	6.33
5500	550	786	1100	2340	4.06	2382	4.31	2423	4.57	2464	4.83	2507	5.12	2549	5.41	2593	5.72	2679	6.31	2766	6.90
6000	600	857	1200	2461	4.67	2502	4.93	2542	5.20	2580	5.47	2618	5.74	2656	6.03	2694	6.32	2772	6.95	2851	7.61
6500	650	929	1300	2586	5.35	2625	5.63	2663	5.91	2701	6.20	2738	6.49	2774	6.77	2809	7.07	2879	7.68	2950	8.33
7000	700	1000	1400	2714	6.12	2751	6.41	2788	6.71	2824	7.01	2860	7.31	2895	7.62	2930	7.93	2997	8.55	3062	9.19
7500	750	1071	1500	2847	6.98	2882	7.29	2916	7.60	2950	7.91	2984	8.23	3018	8.55	3052	8.87	3118	9.53	3181	10.20
8000	800	1143	1600	2983	7.93	3016	8.26	3049	8.59	3081	8.91	3112	9.24	3144	9.57	3177	9.91	3240	10.60	3302	11.30

IMPERIAL DATA

PERFORMANCE

LOW PRESSURE

2 12 F BLOWERS

OUTLET AREA: 2.92 SQ. FT.

CFM	COIL VELOCITY			0.50 SP		0.75 SP		1.00 SP		1.25 SP		1.50 SP		1.75 SP		2.00 SP		2.50 SP		3.00 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4200	382	610	610	621	0.70	733	0.95	838	1.24												
4800	436	698	698	646	0.89	748	1.15	846	1.45	938	1.77	1025	2.10								
5400	491	785	785	676	1.11	770	1.40	860	1.71	946	2.04	1029	2.40	1108	2.77	1183	3.15				
6000	545	872	872	707	1.39	797	1.70	880	2.02	960	2.36	1038	2.73	1113	3.12	1186	3.54	1322	4.37		
6600	600	959	959	739	1.71	827	2.04	905	2.39	980	2.75	1053	3.12	1124	3.52	1193	3.95	1325	4.85	1448	5.77
7200	655	1047	1047	773	2.08	858	2.44	934	2.81	1004	3.20	1073	3.59	1139	4.00	1204	4.42	1331	5.36	1451	6.35
7800	709	1134	1134	809	2.50	889	2.91	964	3.29	1032	3.70	1096	4.12	1159	4.55	1221	4.98	1341	5.93	1457	6.95
8400	764	1221	1221	847	2.98	923	3.43	995	3.85	1062	4.26	1124	4.71	1183	5.17	1242	5.62	1355	6.57	1467	7.62
9000	818	1308	1308	887	3.55	957	4.00	1027	4.47	1092	4.91	1153	5.37	1210	5.85	1266	6.34	1374	7.32	1479	8.36

2 12 BI BLOWERS

OUTLET AREA: 3.14 SQ. FT.

4200	382	610	610	1524	0.84	1640	1.06	1746	1.29	1843	1.52	1935	1.75	2024	2.01	2107	2.26	2258	2.75	2412	3.32
4600	418	669	669	1611	0.98	1733	1.23	1838	1.50	1930	1.75	2019	1.99	2103	2.25	2185	2.52	2336	3.08	2474	3.62
5000	455	727	727	1705	1.15	1834	1.46	1928	1.71	2022	2.00	2106	2.27	2187	2.54	2266	2.81	2415	3.41	2551	4.00
5400	491	785	785	1809	1.38	1923	1.67	2023	1.96	2113	2.26	2197	2.56	2274	2.86	2350	3.15	2494	3.75	2631	4.41
5800	527	843	843	1917	1.65	2011	1.90	2124	2.27	2203	2.54	2289	2.88	2365	3.20	2437	3.51	2577	4.14	2709	4.80
6200	564	901	901	2026	1.94	2107	2.17	2213	2.55	2304	2.90	2378	3.20	2458	3.57	2528	3.91	2662	4.58	2791	5.26
6600	600	959	959	2135	2.27	2212	2.52	2299	2.84	2400	3.27	2475	3.59	2547	3.94	2621	4.33	2751	5.05	2875	5.77
7000	636	1017	1017	2244	2.62	2320	2.92	2393	3.19	2489	3.63	2577	4.05	2640	4.36	2710	4.75	2843	5.55	2962	6.31
7400	673	1076	1076	2354	3.02	2429	3.35	2495	3.61	2576	4.00	2668	4.48	2742	4.88	2802	5.22	2935	6.08	3052	6.89

2 12 AS BLOWERS

OUTLET AREA: 3.14 SQ. FT.

4200	382	610	610	1546	0.78	1666	1.01	1768	1.24	1858	1.46	1941	1.68	2023	1.91	2104	2.17	2266	2.69	2427	3.24
4600	418	669	669	1649	0.94	1760	1.17	1865	1.44	1954	1.69	2035	1.92	2111	2.16	2186	2.40	2335	2.96	2482	3.54
5000	455	727	727	1756	1.13	1857	1.36	1959	1.64	2050	1.92	2131	2.19	2205	2.44	2276	2.70	2413	3.25	2550	3.86
5400	491	785	785	1867	1.35	1958	1.58	2053	1.86	2146	2.17	2227	2.47	2302	2.76	2371	3.03	2501	3.59	2628	4.20
5800	527	843	843	1979	1.60	2064	1.84	2151	2.11	2239	2.43	2323	2.76	2398	3.08	2467	3.39	2594	3.98	2713	4.59
6200	564	901	901	2093	1.88	2172	2.14	2252	2.41	2335	2.71	2417	3.07	2494	3.42	2563	3.76	2690	4.42	2805	5.05
6600	600	959	959	2207	2.19	2283	2.47	2357	2.75	2433	3.05	2512	3.40	2588	3.78	2660	4.15	2786	4.87	2900	5.55
7000	636	1017	1017	2323	2.54	2395	2.84	2464	3.13	2536	3.44	2608	3.77	2682	4.15	2754	4.56	2882	5.34	2997	6.09
7400	673	1076	1076	2439	2.92	2508	3.24	2574	3.55	2641	3.86	2709	4.20	2778	4.56	2848	4.98	2978	5.83	3093	6.64

MEDIUM PRESSURE

2 10F BLOWERS

OUTLET AREA: 2.03 SQ. FT.

CFM	COIL VELOCITY			1.50 SP		1.75 SP		2.00 SP		2.25 SP		2.50 SP		2.75 SP		3.00 SP		3.50 SP		4.00 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4500	409	654	654	1222	2.00	1308	2.25														
5000	455	727	727	1244	2.38	1325	2.64	1404	2.91												
5500	500	799	799	1272	2.81	1349	3.09	1424	3.38												
6000	545	872	872	1303	3.30	1377	3.60	1448	3.91	1496	3.67	1567	3.97								
6500	591	945	945	1337	3.85	1409	4.18	1477	4.51	1544	4.84	1608	5.18	1651	4.86	1715	5.18				
7000	636	1017	1017	1374	4.47	1443	4.83	1509	5.18	1573	5.54	1636	5.89	1697	6.25	1756	6.61	1853	6.56		
7500	682	1090	1090	1412	5.16	1480	5.55	1544	5.93	1606	6.30	1666	6.68	1725	7.06	1782	7.45	1871	7.35	1983	8.10
8000	727	1163	1163	1452	5.93	1518	6.33	1581	6.74	1641	7.15	1699	7.55	1756	7.96	1812	8.36	1894	8.22	2001	9.01
8500	773	1235	1235	1494	6.77	1557	7.21	1618	7.64	1678	8.08	1734	8.51	1790	8.94	1844	9.37	1920	9.18	2023	10.00
																		1948	10.20	2049	11.10

A - FULL FACE B - SMALL FACE C - MZ

PERFORMANCE

IMPERIAL DATA

LOW PRESSURE

18 F BLOWER

OUTLET AREA: 2.87 SQ. FT.

CFM	COIL VELOCITY			0.50 SP		0.75 SP		1.00 SP		1.25 SP		1.50 SP		1.75 SP		2.00 SP		2.50 SP		3.00 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4000	333	444	667	414	0.56	498	0.80														
5000	417	556	833	432	0.79	508	1.06	578	1.35	643	1.66										
6000	500	667	1000	456	1.10	526	1.40	590	1.72	650	2.06	707	2.42	761	2.79						
7000	583	778	1167	486	1.51	549	1.85	609	2.19	665	2.56	718	2.95	768	3.35	816	3.77	909	4.65		
8000	667	889	1333	515	2.03	578	2.40	632	2.79	685	3.18	734	3.60	782	4.03	828	4.48	914	5.41	997	6.93
9000	750	1000	1500	549	2.66	607	3.08	660	3.51	708	3.94	755	4.38	800	4.84	844	5.32	926	6.32	1004	7.35
10000	833	1111	1667	585	3.44	638	3.90	690	4.37	736	4.84	779	5.32	822	5.81	864	6.31	942	7.36	1016	8.47

18 BI BLOWER

OUTLET AREA: 3.50 SQ. FT.

CFM	COIL VELOCITY			0.50 SP		0.75 SP		1.00 SP		1.25 SP		1.50 SP		1.75 SP		2.00 SP		2.50 SP		3.00 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4000	333	444	667	799	0.52	885	0.69	970	0.89	1053	1.10	1135	1.32								
5000	417	556	833	919	0.78	990	0.98	1060	1.20	1127	1.42	1195	1.67	1263	1.93	1328	2.19	1460	2.77		
6000	500	667	1000	1050	1.13	1110	1.37	1169	1.61	1228	1.87	1286	2.14	1341	2.40	1397	2.69	1511	3.30	1620	3.94
7000	583	778	1167	1188	1.60	1239	1.87	1291	2.15	1341	2.42	1392	2.72	1443	3.04	1492	3.34	1587	3.97	1685	4.66
8000	667	889	1333	1328	2.20	1376	2.51	1419	2.82	1465	3.14	1509	3.45	1553	3.77	1598	4.12	1686	4.83	1770	5.54
9000	750	1000	1500	1472	2.95	1515	3.30	1555	3.65	1594	4.00	1635	4.35	1675	4.70	1714	5.05	1793	5.82	1872	6.62
10000	833	1111	1667	1617	3.87	1655	4.25	1694	4.64	1730	5.03	1765	5.42	1801	5.81	1838	6.20	1909	6.98	1980	7.83

18 AS BLOWER

OUTLET AREA: 3.50 SQ. FT.

CFM	COIL VELOCITY			0.50 SP		0.75 SP		1.00 SP		1.25 SP		1.50 SP		1.75 SP		2.00 SP		2.50 SP		3.00 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4000	333	444	667	844	0.51	925	0.69	1006	0.88	1085	1.09	1166	1.32	1249	1.57						
5000	417	556	833	980	0.77	1046	0.97	1111	1.18	1177	1.42	1242	1.66	1305	1.91	1368	2.18	1499	2.77		
6000	500	667	1000	1125	1.13	1183	1.36	1238	1.60	1292	1.84	1346	2.11	1401	2.39	1456	2.68	1562	3.28	1666	3.92
7000	583	778	1167	1274	1.58	1327	1.87	1376	2.14	1423	2.41	1470	2.70	1517	2.99	1563	3.29	1657	3.95	1750	4.64
8000	667	889	1333	1427	2.16	1474	2.49	1520	2.81	1563	3.12	1605	3.43	1646	3.75	1687	4.08	1768	4.75	1850	5.49
9000	750	1000	1500	1584	2.90	1625	3.25	1667	3.62	1708	3.98	1746	4.33	1783	4.68	1820	5.03	1893	5.76	1965	6.51
10000	833	1111	1667	1743	3.80	1780	4.18	1817	4.58	1855	4.99	1891	5.40	1926	5.79	1960	6.17	2027	6.96	2093	7.76

MEDIUM PRESSURE

15 F BLOWER

OUTLET AREA: 2.05 SQ. FT.

CFM	COIL VELOCITY			1.50 SP		1.75 SP		2.00 SP		2.25 SP		2.50 SP		2.75 SP		3.00 SP		3.50 SP		4.00 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4500	375	500	750	827	1.79	889	2.06	951	2.35	1012	2.66										
5000	417	556	833	837	2.05	896	2.33	952	2.63	1007	2.93	1064	3.26	1119	3.60						
5500	458	611	917	851	2.37	907	2.66	960	2.96	1013	3.27	1064	3.60	1113	3.94	1165	4.31				
6000	500	667	1000	866	2.74	920	3.04	972	3.34	1022	3.67	1071	4.00	1118	4.35	1165	4.71	1258	5.48	1349	6.29
6500	542	722	1083	883	3.16	936	3.47	987	3.79	1035	4.12	1082	4.46	1127	4.82	1172	5.19	1259	5.96	1344	6.78
7000	583	778	1167	901	3.62	953	3.96	1003	4.30	1050	4.64	1095	4.99	1139	5.35	1182	5.73	1265	6.51	1346	7.34
7500	625	833	1250	921	4.11	971	4.50	1020	4.86	1066	5.22	1110	5.58	1153	5.96	1195	6.34	1275	7.13	1353	7.98

16 BI BLOWER

OUTLET AREA: 2.86 SQ. FT.

CFM	COIL VELOCITY			3.00 SP		3.25 SP		3.50 SP		3.75 SP		4.00 SP		4.25 SP		4.50 SP		5.00 SP		5.50 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5000	417	556	833	1813	3.31	1869	3.58	1927	3.87	1986	4.16	2045	4.47								
5800	483	644	967	1893	3.94	1944	4.23	1997	4.52	2047	4.82	2096	5.12	2144	5.43	2193	5.75	2294	6.43	2396	7.15
6600	550	733	1100	2014	4.75	2052	5.04	2090	5.33	2130	5.64	2175	5.96	2220	6.28	2266	6.61	2354	7.29	2440	8.00
7400	617	822	1233	2146	5.71	2183	6.02	2220	6.34	2255	6.66	2289	6.99	2323	7.32	2357	7.65	2434	8.35	2515	9.09
8200	683	911	1367	2290	6.82	2322	7.16	2354	7.51	2387	7.86	2421	8.21	2454	8.56	2486	8.92	2547	9.64	2609	10.4
9000	750	1000	1500	2440	8.11	2471	8.48	2500	8.85	2530	9.22	2559	9.60	2587	9.98	2618	10.40	2679	11.10	2738	11.9
9800	817	1089	1633	2587	9.57	2619	9.98	2650	10.4	2679	10.80	2706	11.20	2734	11.60	2760	12.00	2813	12.80	2869	13.7

16 AS BLOWER

OUTLET AREA: 2.86 SQ. FT.

CFM	COIL VELOCITY			3.00 SP		3.25 SP		3.50 SP		3.75 SP		4.00 SP		4.25 SP		4.50 SP		5.00 SP		5.50 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5000	417	556	833	1846	3.26	1903	3.53	1961	3.82	2019	4.13	2078	4.44	2136	4.77	2193	5.10				
5800	483	644	967	1949	3.89	1994	4.16	2041	4.45	2087	4.74	2135	5.04	2183	5.35	2232	5.68	2333	6.38	2434	7.11
6600	550	733	1100	2082	4.67	2119	4.96	2157	5.26	2196	5.56	2236	5.87	2276	6.19	2317	6.51	2399	7.17	2484	7.87
7400	617	822	1233	2232	5.61	2265	5.92	2298	6.23	2331	6.55	2364	6.87	2398	7.21	2433	7.54	2503	8.24	2575	8.95
8200	683	911	1367	2388	6.73	2419	7.05	2450	7.38	2481	7.72	2511	8.06	2541	8.41	2571	8.76	2630	9.48	2692	10.2
9000	750	1000	1500	2551	8.06	2579	8.39	2607	8.73	2636	9.09	2665	9.45	2693	9.81	2721	10.20	2776	10.90	2830	11.7
9800	817	1089	1633	2720	9.60	2746	9.96	2772	10.3	2798	10.70	2823	11.00	2850	11.40	2876	11.80	2928	12.60	2980	13.4

HIGH PRESSURE

15 AS BLOWER

OUTLET AREA: 2.36 SQ. FT.

CFM	COIL VELOCITY			5.00 SP		5.50 SP		6.00 SP		6.50 SP		7.00 SP		7.50 SP		8.00 SP		9.00 SP		10.00 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5500	458	611	917	2679	6.31	2766	6.90	2855	7.52	2948	8.20	3042	8.92								
6000	500	667	1000	2772	6.95	2851	7.61	2931	8.26	3010	8.90	3091	9.57	3176	10.30	3261	11.10	3472	13.40	3630	15.1
6500	542	722	1083	2879	7.68	2950	8.33	3022	9.03	3096	9.75	3169	10.40	3242	11.10	3317	11.90				
7000	583	778	1167	2997	8.55	3062	9.19	3126	9.86	3193	10.60	3260	11.30	3329	12.10	3396	12.90	3533	14.40	3674	16.0
7500	625	833	1250	3118	9.53	3181	10.20	3242	10.9	3303	11.60	3363	12.30	3426	13.10	3489	13.90	3616	15.50	3743	17.1
8000	667	889	1333	3240	10.60	3302	11.30	3363	12.0	3421	12.70	3478	13.40	3535	14.20	3592	15.00	3709	16.70	3829	18.4
8500	708	944	1417	3366	11.80	3425	12.50	3484	13.2	3542	14.00	3598	14.70	3652	15.50	3706	16.30	3813	17.90	3923	19.7

IMPERIAL DATA

PERFORMANCE

LOW PRESSURE

20 F BLOWER

OUTLET AREA: 4.25 SQ. FT.

CFM	COIL VELOCITY			0.50 SP		0.75 SP		1.00 SP		1.25 SP		1.50 SP		1.75 SP		2.00 SP		2.50 SP		3.00 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5600	383	498	711	390	0.88	461	1.16	527	1.49	592	1.88	651	2.31								
6400	437	569	812	405	1.11	470	1.43	532	1.76	590	2.13	646	2.56	701	3.03	752	3.53				
7200	492	640	914	422	1.39	484	1.75	541	2.11	595	2.48	647	2.89	697	3.35	748	3.86	840	4.95		
8000	547	711	1015	440	1.73	500	2.12	553	2.52	604	2.92	653	3.33	700	3.78	746	4.26	836	5.37		6.58
8800	602	782	1117	459	2.12	517	2.55	568	2.98	615	3.43	662	3.87	707	4.31	750	4.79	834	5.85	916	7.08
9600	656	853	1218	481	2.59	534	3.05	585	3.51	630	3.99	673	4.48	716	4.95	758	5.43	837	6.48	913	7.65
10400	711	924	1320	505	3.12	553	3.61	602	4.12	647	4.61	688	5.14	728	5.68	767	6.19	844	7.23	917	8.40

20 BI BLOWER

OUTLET AREA: 4.19 SQ. FT.

6000	410	533	761	860	1.00	921	1.25	980	1.51	1039	1.80	1097	2.10	1157	2.41	1218	2.75	1335	3.45		
7000	478	622	888	962	1.36	1018	1.67	1070	1.96	1121	2.26	1171	2.59	1222	2.93	1272	3.27	1374	4.01	1477	4.80
8000	547	711	1015	1063	1.81	1120	2.17	1167	2.51	1213	2.85	1258	3.19	1301	3.55	1346	3.93	1434	4.71	1522	5.52
9000	615	800	1142	1167	2.37	1221	2.77	1269	3.17	1310	3.55	1351	3.93	1392	4.31	1431	4.70	1509	5.54	1587	6.42
10000	684	889	1269	1276	3.06	1322	3.47	1371	3.93	1413	4.38	1450	4.80	1487	5.22	1523	5.64	1594	6.50	1665	7.43
11000	752	978	1396	1389	3.90	1427	4.33	1471	4.80	1515	5.32	1552	5.80	1586	6.27	1620	6.73	1686	7.65	1750	8.61
12000	820	1067	1523	1504	4.89	1535	5.34	1574	5.83	1615	6.37	1654	6.93	1689	7.46	1720	7.98	1782	8.98	1842	9.98

20 AS BLOWER

OUTLET AREA: 4.19 SQ. FT.

6000	410	533	761	912	0.98	975	1.25	1029	1.49	1085	1.76	1147	2.07	1203	2.36	1257	2.68	1363	3.37	1470	4.13
7000	478	622	888	1027	1.35	1079	1.64	1133	1.95	1181	2.24	1226	2.53	1276	2.87	1329	3.22	1426	3.92	1517	4.69
8000	547	711	1015	1146	1.82	1191	2.14	1237	2.48	1285	2.84	1328	3.17	1368	3.50	1407	3.84	1499	4.63	1586	5.42
9000	615	800	1142	1265	2.40	1308	2.76	1348	3.13	1389	3.51	1432	3.92	1472	4.30	1509	4.66	1579	5.41	1659	6.29
10000	684	889	1269	1385	3.09	1428	3.51	1464	3.91	1500	4.32	1537	4.74	1575	5.19	1612	5.63	1681	6.45	1743	7.28
11000	752	978	1396	1507	3.93	1547	4.38	1583	4.83	1615	5.27	1648	5.72	1681	6.18	1716	6.67	1784	7.64	1846	8.54
12000	820	1067	1523	1632	4.93	1667	5.41	1703	5.90	1734	6.39	1763	6.87	1794	7.36	1824	7.86	1888	8.92	1949	9.96

MEDIUM PRESSURE

18 F BLOWER

OUTLET AREA: 2.87 SQ. FT.

CFM	COIL VELOCITY			1.50 SP		1.75 SP		2.00 SP		2.25 SP		2.50 SP		2.75 SP		3.00 SP		3.50 SP		4.00 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6000	410	533	761	702	2.39	756	2.76														
6600	451	587	838	707	2.68	759	3.07	809	3.48	857	3.89										
7200	492	640	914	714	3.02	764	3.43	812	3.85	858	4.28	904	4.73	947	5.19						
7800	533	693	990	723	3.39	771	3.82	818	4.26	863	4.71	906	5.17	948	5.65						
8400	574	747	1066	734	3.81	781	4.26	826	4.71	869	5.19	911	5.67	952	6.16	992	6.67	1069	7.72		
9000	615	800	1142	746	4.29	791	4.74	835	5.22	877	5.71	918	6.21	957	6.72	996	7.24	1071	8.32	1143	9.45
9600	656	853	1218	759	4.82	803	5.29	845	5.77	886	6.28	926	6.80	965	7.33	1002	7.88	1075	8.99	1145	10.10

18 BI BLOWER

OUTLET AREA: 3.50 SQ. FT.

CFM	COIL VELOCITY			3.00 SP		3.25 SP		3.50 SP		3.75 SP		4.00 SP		4.25 SP		4.50 SP		5.00 SP		5.50 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6000	410	533	761	1615	3.91	1671	4.26	1725	4.61	1778	4.98										
7000	478	622	888	1679	4.62	1728	4.98	1776	5.34	1822	5.71	1869	6.08	1916	6.48	1963	6.89	2056	7.73		
8000	547	711	1015	1763	5.48	1804	5.84	1846	6.22	1889	6.62	1933	7.03	1976	7.45	2017	7.86	2099	8.70	2181	9.53
9000	615	800	1142	1864	6.54	1902	6.94	1940	7.33	1976	7.73	2013	8.13	2050	8.55	2088	8.98	2165	9.89	2241	10.80
10000	684	889	1269	1971	7.72	2007	8.17	2042	8.62	2077	9.05	2112	9.49	2146	9.93	2179	10.40	2245	11.30	2312	12.20
11000	752	978	1396	2087	9.11	2118	9.55	2151	10.00	2184	10.50	2216	11.00	2249	11.50	2280	12.00	2343	12.90	2403	13.90
12000	820	1067	1523	2209	10.80	2239	11.20	2268	11.70	2297	12.20	2327	12.70	2357	13.20	2386	13.70	2446	14.80	2504	15.90

18 AS BLOWER

OUTLET AREA: 3.50 SQ. FT.

6000	410	533	761	1662	3.89	1716	4.23	1772	4.60	1828	4.98	1883	5.37								
7000	478	622	888	1744	4.59	1789	4.94	1834	5.30	1879	5.67	1923	6.04	1968	6.43	2017	6.85	2112	7.72		
8000	547	711	1015	1843	5.43	1884	5.81	1925	6.20	1966	6.59	2006	6.99	2046	7.39	2085	7.79	2163	8.63	2242	9.51
9000	615	800	1142	1958	6.43	1994	6.82	2030	7.23	2067	7.65	2103	8.08	2140	8.52	2176	8.95	2248	9.84	2318	10.70
10000	684	889	1269	2084	7.66	2117	8.06	2149	8.48	2182	8.90	2214	9.34	2247	9.78	2279	10.20	2345	11.20	2411	12.20
11000	752	978	1396	2217	9.08	2247	9.52	2277	9.96	2307	10.40	2336	10.90	2366	11.30	2395	11.80	2454	12.70	2514	13.80
12000	820	1067	1523	2355	10.70	2383	11.20	2411	11.70	2439	12.10	2466	12.60	2493	13.10	2521	13.60	2575	14.60	2629	15.60

HIGH PRESSURE

16 AS BLOWER

OUTLET AREA: 2.86 SQ. FT.

CFM	COIL VELOCITY			5.00 SP		5.50 SP		6.00 SP		6.50 SP		7.00 SP		7.50 SP		8.00 SP		9.00 SP		10.00 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6400	437	569	812	2366	6.85	2455	7.56	2545	8.32	2637	9.12	2728	9.95	2818	10.80						
7200	492	640	914	2462	7.83	2536	8.53	2612	9.26	2689	10.00	2768	10.80	2848	11.70	2930	12.60	3092	14.40		
8000	547	711	1015	2583	9.00	2647	9.73	2713	10.50	2779	11.30	2846	12.00	2915	12.90	2984	13.70	3127	15.50	3273	17.50
8800	602	782	1117	2724	10.40	2780	11.10	2836	11.90	2894	12.70	2953	13.50	3013	14.40	3073	15.20	3197	17.00	3323	18.80
9600	656	853	1218	2874	11.90	2926	12.70	2977	13.50	3028	14.40	3079	15.20	3132	16.10	3185	17.00	3295	18.80	3407	20.70
10400	711	924	1320	3028	13.70	3077	14.50	3126	15.40	3174	16.30	3221	17.10	3268	18.00	3315	18.90	3412	20.80	3512	22.80
11200	766	996	1421	3188	15.80	3233	16.60	3279	17.50	3325	18.40	3370	19.30	3415	20.20	3459	21.20	3546	23.10	3635	25.10

A - FULL FACE B - SMALL FACE C - MZ

PERFORMANCE

IMPERIAL DATA

LOW PRESSURE

2 15F BLOWERS

OUTLET AREA: 4.10 SQ. FT.

CFM	COIL VELOCITY			0.50 SP		0.75 SP		1.00 SP		1.25 SP		1.50 SP		1.75 SP		2.00 SP		2.50 SP		3.00 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5000	333	476	556	491	0.70																
6000	400	571	667	505	0.90																
7000	467	667	778	526	1.16	613	1.53	693	1.95	773	2.41										
8000	533	762	889	549	1.50	631	1.89	706	2.32	777	2.79	847	3.31								
9000	600	857	1000	575	1.90	653	2.33	724	2.79	790	3.28	854	3.80								
10000	667	952	1111	603	2.37	677	2.86	745	3.35	808	3.86	868	4.40	915	4.35	978	4.96				
11000	733	1048	1222	634	2.93	703	3.48	769	4.01	829	4.54	886	5.10	941	5.69	994	6.31	1093	6.88		
12000	800	1143	1333	667	3.62	731	4.16	794	4.76	853	5.34	907	5.93	960	6.54	1010	7.17	1107	7.63	1197	9.09
13000	867	1238	1444	701	4.41	761	4.96	820	5.61	877	6.25	931	6.87	981	7.51	1030	8.17	1122	8.53	1199	9.98

2 15 BI BLOWERS

OUTLET AREA: 4.72 SQ. FT.

CFM	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5000	333	476	556	1026	0.72	1123	0.96	1205	1.21	1295	1.46	1395	1.77								
6000	400	571	667	1158	1.01	1242	1.27	1325	1.56	1395	1.86	1464	2.15	1538	2.45	1620	2.81				
7000	467	667	778	1298	1.40	1370	1.68	1442	1.99	1516	2.34	1580	2.67	1638	3.02	1697	3.36	1827	4.09		
8000	533	762	889	1438	1.86	1510	2.22	1570	2.53	1633	2.88	1700	3.29	1761	3.66	1814	4.05	1916	4.85	2025	5.64
9000	600	857	1000	1579	2.43	1649	2.85	1711	3.24	1763	3.59	1817	3.96	1878	4.41	1935	4.85	2035	5.71	2125	6.61
10000	667	952	1111	1721	3.11	1790	3.58	1850	4.04	1904	4.47	1951	4.85	1998	5.25	2051	5.72	2156	6.72	2246	7.67
11000	733	1048	1222	1865	3.93	1930	4.44	1990	4.95	2043	5.45	2092	5.93	2135	6.35	2178	6.78	2272	7.80	2368	8.89
12000	800	1143	1333	2013	4.91	2072	5.44	2130	6.01	2183	6.56	2231	7.10	2276	7.62	2316	8.09	2395	9.03	2483	10.20
13000	867	1238	1444	2165	6.07	2216	6.61	2271	7.21	2323	7.83	2371	8.42	2415	9.00	2457	9.57	2531	10.60	2604	11.60

2 15 AS BLOWERS

OUTLET AREA: 4.72 SQ. FT.

CFM	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5000	333	476	556	1030	0.69	1123	0.92	1218	1.19	1315	1.46	1418	1.79								
6000	400	571	667	1162	0.96	1246	1.22	1323	1.49	1401	1.80	1480	2.12	1561	2.46	1647	2.84				
7000	467	667	778	1302	1.32	1376	1.60	1448	1.91	1515	2.22	1580	2.56	1648	2.93	1716	3.31	1856	4.11		
8000	533	762	889	1446	1.76	1514	2.09	1578	2.42	1641	2.77	1701	3.12	1758	3.49	1815	3.88	1934	4.75	2054	5.62
9000	600	857	1000	1593	2.31	1656	2.69	1715	3.05	1771	3.43	1828	3.81	1883	4.21	1934	4.61	2036	5.47	2141	6.45
10000	667	952	1111	1742	2.97	1801	3.39	1856	3.81	1908	4.21	1959	4.63	2010	5.05	2060	5.49	2155	6.38	2246	7.32
11000	733	1048	1222	1892	3.75	1947	4.22	2000	4.69	2049	5.14	2097	5.59	2143	6.04	2190	6.50	2281	7.46	2366	8.44
12000	800	1143	1333	2045	4.69	2096	5.19	2145	5.69	2193	6.21	2237	6.69	2281	7.18	2324	7.68	2409	8.69	2492	9.73
13000	867	1238	1444	2198	5.79	2246	6.31	2293	6.86	2338	7.41	2381	7.96	2422	8.49	2463	9.02	2541	10.10	2620	11.20

MEDIUM PRESSURE

2 12F BLOWERS

OUTLET AREA: 2.92 SQ. FT.

CFM	COIL VELOCITY			1.50 SP		1.75 SP		2.00 SP		2.25 SP		2.50 SP		2.75 SP		3.00 SP		3.50 SP		4.00 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5000	333	476	556	1021	2.18	1102	2.53														
5800	387	552	644	1029	2.59	1106	2.97	1179	3.38	1250	3.78										
6600	440	629	733	1046	3.09	1117	3.48	1187	3.91	1254	4.35	1319	4.81	1382	5.27	1443	5.72				
7400	493	705	822	1072	3.71	1138	4.12	1202	4.55	1265	5.00	1327	5.48	1387	5.98	1446	6.48	1559	7.51		
8200	547	781	911	1105	4.44	1166	4.89	1226	5.34	1284	5.80	1342	6.27	1399	6.78	1455	7.31	1563	8.41	1667	9.55
9000	600	857	1000	1143	5.28	1200	5.76	1256	6.25	1311	6.74	1365	7.24	1418	7.75	1470	8.27	1574	9.40	1674	10.60
9800	653	933	1089	1181	6.27	1238	6.76	1291	7.28	1343	7.81	1394	8.34	1444	8.88	1493	9.42	1590	10.50	1686	11.80
10600	707	1010	1178	1221	7.41	1277	7.93	1329	8.45	1379	9.01	1428	9.58	1475	10.20	1522	10.70	1613	11.90	1703	13.10
11400	760	1086	1267	1263	8.70	1317	9.26	1368	9.81	1418	10.40	1465	11.00	1510	11.60	1555	12.20	1642	13.40	1727	14.70

2 13 BI BLOWERS

OUTLET AREA: 3.86 SQ. FT.

CFM	COIL VELOCITY			3.00 SP		3.25 SP		3.50 SP		3.75 SP		4.00 SP		4.25 SP		4.50 SP		5.00 SP		5.50 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6000	400	571	667	2255	4.57	2313	4.92	2371	5.29	2429	5.66	2492	6.06	2556	6.48	2620	6.90				
6800	453	648	756	2389	5.37	2437	5.73	2485	6.10	2535	6.49	2586	6.88	2637	7.29	2688	7.70	2793	8.57	2906	9.50
7600	507	724	844	2536	6.33	2582	6.72	2626	7.11	2670	7.50	2714	7.91	2756	8.32	2800	8.74	2891	9.61	2982	10.50
8400	560	800	933	2680	7.42	2728	7.85	2774	8.27	2818	8.69	2858	9.12	2899	9.55	2939	9.99	3017	10.90	3095	11.80
9200	613	876	1022	2827	8.66	2872	9.11	2918	9.57	2962	10.00	3005	10.50	3047	11.00	3086	11.40	3160	12.40	3233	13.30
10000	667	952	1111	2981	10.00	3025	10.50	3066	11.00	3107	11.50	3149	12.00	3190	12.50	3231	13.00	3309	14.00	3380	15.00
10800	720	1029	1200	3129	11.50	3178	12.10	3220	12.60	3260	13.20	3299	13.70	3336	14.20	3375	14.80	3452	15.90	3526	17.00
11600	773	1105	1289	3270	13.20	3320	13.80	3368	14.40	3414	15.00	3453	15.60	3490	16.20	3527	16.70	3597	17.90	3670	19.00
12400	827	1181	1378	3412	15.00	3461	15.60	3509	16.30	3556	16.90	3600	17.60	3644	18.20	3681	18.90	3751	20.10	3817	21.30

2 13 AS BLOWERS

OUTLET AREA: 3.86 SQ. FT.

CFM	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6000	400	571	667	2259	4.34	2328	4.73	2398	5.14	2469	5.57	2541	6.00								
6800	453	648	756	2366	5.00	2419	5.36	2476	5.74	2535	6.15	2596	6.58	2657	7.03	2719	7.50	2845	8.47		
7600	507	724	844	2521	5.87	2561	6.23	2602	6.60	2644	6.98	2692	7.39	2742	7.80	2794	8.24	2902	9.19	3012	10.20
8400	560	800	933	2685	6.91	2726	7.29	2762	7.67	2799	8.06	2835	8.46	2872	8.87	2909	9.29	2996	10.20	3088	11.10
9200	613	876	1022	2844	8.07	2886	8.49	2926	8.91	2964	9.33	2999	9.74	3032	10.20	3066	10.60	3132	11.50	3202	12.40
10000	667	952	1111	2989	9.28	3039	9.80	3084	10.30	3123	10.70	3161	11.20	3196	11.60	3231	12.10	3293	13.00	3355	14.00

IMPERIAL DATA

PERFORMANCE

LOW PRESSURE

22 F BLOWER

OUTLET AREA: 5.16 SQ. FT.

CFM	COIL VELOCITY			0.50 SP		0.75 SP		1.00 SP		1.25 SP		1.50 SP		1.75 SP		2.00 SP		2.50 SP		3.00 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6500	364	473	675	359	0.95	434	1.34														
8000	447	582	831	377	1.36	440	1.76	502	2.23	562	2.75										
9500	531	691	987	403	1.93	457	2.36	510	2.84	564	3.37	615	3.94	665	4.57						
11000	615	800	1142	431	2.64	482	3.14	528	3.66	574	4.20	621	4.79	666	5.42	710	6.09				
12500	699	909	1298	462	3.52	509	4.13	554	4.68	594	5.27	634	5.88	675	6.52	715	7.20	794	8.68	870	10.30
14000	783	1018	1454	494	4.64	538	5.29	580	5.95	619	6.56	655	7.21	691	7.90	727	8.60	800	10.10	871	11.70
15500	867	1127	1610	528	6.01	570	6.66	608	7.42	645	8.14	681	8.82	714	9.53	746	10.30	811	11.80	877	13.50

22 BI BLOWER

OUTLET AREA: 5.18 SQ. FT.

CFM	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6500	364	473	675	703	0.93	765	1.20	827	1.49	890	1.82	954	2.18	1016	2.57	1076	2.97				
8000	447	582	831	795	1.34	864	1.72	914	2.05	965	2.40	1015	2.76	1066	3.15	1118	3.58	1220	4.51	1319	5.47
9500	531	691	987	902	1.92	956	2.33	1016	2.79	1059	3.18	1101	3.58	1143	3.99	1186	4.42	1271	5.34	1358	6.38
11000	615	800	1142	1016	2.68	1058	3.12	1105	3.60	1161	4.17	1201	4.63	1236	5.07	1273	5.53	1347	6.50	1420	7.53
12500	699	909	1298	1133	3.64	1170	4.15	1207	4.64	1248	5.17	1298	5.82	1339	6.41	1372	6.92	1436	7.94	1501	9.03
14000	783	1018	1454	1252	4.84	1286	5.40	1318	5.96	1351	6.51	1386	7.09	1430	7.80	1474	8.53	1536	9.70	1592	10.80
15500	867	1127	1610	1372	6.29	1403	6.90	1433	7.53	1462	8.15	1492	8.76	1523	9.39	1560	10.10	1639	11.70	1694	13.00

22 AS BLOWER

OUTLET AREA: 5.18 SQ. FT.

CFM	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6500	364	473	675	736	0.91	798	1.19	858	1.49	918	1.82	978	2.18	1035	2.55	1092	2.94				
8000	447	582	831	851	1.35	904	1.68	955	2.02	1004	2.38	1053	2.76	1102	3.16	1151	3.58	1246	4.47	1339	5.42
9500	531	691	987	965	1.86	1020	2.33	1064	2.72	1107	3.12	1149	3.53	1190	3.96	1232	4.41	1314	5.35	1396	6.37
11000	615	800	1142	1089	2.61	1133	3.07	1180	3.61	1218	4.07	1255	4.52	1292	4.98	1328	5.46	1400	6.47	1472	7.53
12500	699	909	1298	1218	3.58	1253	4.02	1293	4.59	1335	5.22	1369	5.74	1402	6.24	1435	6.76	1499	7.83	1562	8.96
14000	783	1018	1454	1348	4.76	1379	5.26	1411	5.77	1448	6.43	1486	7.16	1518	7.76	1548	8.33	1606	9.48	1663	10.70
15500	867	1127	1610	1480	6.20	1508	6.77	1536	7.31	1565	7.88	1598	8.62	1633	9.43	1664	10.10	1719	11.40	1771	12.70

MEDIUM PRESSURE

20 F BLOWER

OUTLET AREA: 4.25 SQ. FT.

CFM	COIL VELOCITY			1.50 SP		1.75 SP		2.00 SP		2.25 SP		2.50 SP		2.75 SP		3.00 SP		3.50 SP		4.00 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
7000	391	509	727	635	2.71	687	3.15	738	3.66	787	4.19										
8000	447	582	831	640	3.21	688	3.65	734	4.12	778	4.63	824	5.20	867	5.80	909	6.41				
9000	503	655	935	649	3.86	694	4.31	737	4.76	779	5.27	820	5.80	860	6.37	900	6.98	979	8.31	1051	9.69
10000	559	727	1038	663	4.58	704	5.10	745	5.59	785	6.08	824	6.60	862	7.16	899	7.75	971	9.01	1043	10.40
11000	615	800	1142	679	5.40	719	5.95	757	6.52	794	7.07	831	7.61	867	8.16	903	8.73	971	9.98	1037	11.30
12000	671	873	1246	697	6.35	736	6.93	772	7.52	808	8.14	842	8.76	876	9.35	910	9.94	976	11.10	1039	12.50
13000	727	945	1350	714	7.42	753	8.05	790	8.67	824	9.30	857	9.97	889	10.60	920	11.30	983	12.60	1044	13.90

20 BI BLOWER

OUTLET AREA: 4.19 SQ. FT.

CFM	COIL VELOCITY			3.00 SP		3.25 SP		3.50 SP		3.75 SP		4.00 SP		4.25 SP		4.50 SP		5.00 SP		5.50 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6500	364	473	675	1451	4.42	1504	4.83														
8000	447	582	831	1510	5.41	1555	5.84	1601	6.28	1646	6.74	1690	7.19	1734	7.67	1778	8.15	1864	9.16		
9500	531	691	987	1610	6.73	1648	7.20	1684	7.66	1721	8.12	1758	8.60	1796	9.09	1834	9.60	1911	10.70	1986	11.70
11000	615	800	1142	1734	8.35	1766	8.84	1797	9.34	1830	9.87	1862	10.40	1894	10.90	1926	11.50	1989	12.60	2053	13.70
12500	699	909	1298	1870	10.40	1899	10.90	1928	11.40	1956	12.00	1984	12.50	2012	13.10	2040	13.70	2097	14.90	2154	16.10
14000	783	1018	1454	2014	12.80	2040	13.40	2066	14.00	2093	14.60	2119	15.20	2145	15.80	2170	16.30	2221	17.60	2271	18.80
15500	867	1127	1610	2163	15.60	2188	16.30	2213	16.90	2237	17.60	2260	18.20	2284	18.90	2308	19.50	2355	20.80	2401	22.10

20 AS BLOWER

OUTLET AREA: 4.19 SQ. FT.

CFM	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6500	364	473	675	1481	4.32	1530	4.72	1579	5.13	1629	5.56										
8000	447	582	831	1574	5.31	1616	5.71	1656	6.13	1696	6.57	1736	7.03	1776	7.49	1816	7.97	1895	8.95	1976	9.99
9500	531	691	987	1683	6.57	1721	7.03	1760	7.51	1800	8.00	1836	8.46	1872	8.93	1907	9.40	1975	10.40	2043	11.50
11000	615	800	1142	1830	8.30	1860	8.75	1888	9.20	1917	9.66	1946	10.10	1979	10.70	2012	11.20	2080	12.40	2143	13.40
12500	699	909	1298	1981	10.40	2011	10.90	2039	11.40	2066	11.90	2093	12.40	2119	12.90	2144	13.50	2194	14.50	2250	15.70
14000	783	1018	1454	2135	12.60	2162	13.30	2190	13.90	2217	14.50	2244	15.10	2270	15.70	2294	16.30	2343	17.40	2388	18.60
15500	867	1127	1610	2300	15.40	2323	16.00	2347	16.70	2371	17.30	2396	18.00	2420	18.70	2445	19.40	2493	20.80	2539	22.10

HIGH PRESSURE

18 AS BLOWER

OUTLET AREA: 3.50 SQ./FT.

CFM	COIL VELOCITY			5.00 SP		5.50 SP		6.00 SP		6.50 SP		7.00 SP		7.50 SP		8.00 SP		9.00 SP		10.00 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
9000	503	655	935	2236	9.69	2307	10.60	2376	11.50	2446	12.50	2516	13.40	2589	14.50	2664	15.60	2812	17.90		
9600	537	698	997	2292	10.50	2360	11.40	2427	12.40	2492	13.30	2557	14.30	2623	15.30	2688	16.40	2828	18.70	2967	21.10
10200	570	742	1059	2352	11.30	2417	12.30	2481	13.30	2544	14.30	2607	15.30	2668	16.30	2729	17.40	2852	19.60	2983	22.00
10800	604	785	1121	2417	12.20	2478	13.20	2539	14.20	2599	15.30	2659	16.30	2719	17.40	2778	18.50	2893	20.70	3010	23.00
11400	638	829	1184	2486	13.20	2543	14.20	2601	15.20	2659	16.30	2716	17.40	2773	18.50	2830	19.60	2941	21.90	3051	24.30
12000	671	873	1246	2559	14.30	2613	15.30	2667	16.30	2721	17.40	2776	18.60	2831	19.70	2886	20.90	2993	23.20	3099	25.60
12600	705	916	1308	2634	15.50	2686	16.50	2737	17.60	2788	18.60	2840	19.80	2892	21.00	2945	22.20	3048	24.60	3151	27.10

PERFORMANCE

IMPERIAL DATA

LOW PRESSURE

25 F BLOWER

OUTLET AREA: 6.78 SQ. FT.

CFM	COIL VELOCITY			0.50 SP		0.75 SP		1.00 SP		1.25 SP		1.50 SP		1.75 SP		2.00 SP		2.50 SP		3.00 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
9000	409	545	818	314	1.43	371	1.90														
10500	477	636	955	328	1.86	380	2.41	429	2.97												
12000	545	727	1091	346	2.42	393	3.03	438	3.65	481	4.27	520	5.01								
13500	614	818	1227	364	3.16	409	3.74	451	4.46	490	5.15	529	5.85	565	6.63	599	7.48				
15000	682	909	1364	382	3.96	427	4.66	466	5.35	503	6.17	539	6.94	574	7.70	607	8.51				
16500	750	1000	1500	402	4.93	445	5.77	483	6.44	518	7.27	552	8.17	584	9.01	616	9.85	677	11.60	734	13.70
18000	818	1091	1636	424	6.12	464	6.96	501	7.81	535	8.55	567	9.48	598	10.50	628	11.40	686	13.20	741	15.20

24 BI BLOWER

OUTLET AREA: 6.27 SQ. FT.

CFM	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
9000	409	545	818	726	1.54	783	1.94	834	2.33	887	2.76	939	3.23	985	3.69	1029	4.17	1117	5.21	1203	6.35
10500	477	636	955	808	2.11	861	2.58	909	3.05	953	3.49	998	3.97	1044	4.49	1089	5.04	1168	6.12	1243	7.27
12000	545	727	1091	893	2.82	942	3.35	987	3.89	1030	4.43	1069	4.94	1107	5.46	1147	6.02	1227	7.24	1298	8.47
13500	614	818	1227	981	3.72	1026	4.29	1068	4.90	1108	5.50	1147	6.11	1183	6.69	1217	7.27	1286	8.48	1358	9.85
15000	682	909	1364	1072	4.82	1111	5.43	1152	6.09	1189	6.76	1225	7.43	1260	8.11	1294	8.77	1356	10.00	1418	11.40
16500	750	1000	1500	1164	6.14	1199	6.79	1236	7.50	1272	8.22	1306	8.96	1339	9.70	1372	10.40	1433	11.90	1489	13.30
18000	818	1091	1636	1257	7.70	1290	8.41	1323	9.15	1357	9.92	1390	10.70	1421	11.50	1451	12.30	1510	13.90	1565	15.50

24 AD BLOWER

OUTLET AREA: 6.27 SQ. FT.

CFM	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
9000	409	545	818	758	1.41	812	1.79	864	2.18	911	2.57	956	2.97	1003	3.40	1049	3.85	1140	4.79	1226	5.78
10500	477	636	955	848	1.92	898	2.36	943	2.80	989	3.26	1031	3.71	1070	4.17	1109	4.64	1189	5.64	1268	6.72
12000	545	727	1091	939	2.56	987	3.06	1029	3.56	1069	4.07	1109	4.58	1148	5.11	1184	5.62	1252	6.68	1321	7.80
13500	614	818	1227	1034	3.35	1077	3.91	1118	4.48	1156	5.04	1191	5.60	1227	6.18	1262	6.76	1328	7.94	1389	9.12
15000	682	909	1364	1131	4.31	1169	4.92	1208	5.55	1245	6.18	1278	6.80	1310	7.43	1342	8.06	1406	9.36	1466	10.70
16500	750	1000	1500	1229	5.46	1264	6.12	1299	6.81	1334	7.50	1368	8.19	1399	8.88	1428	9.56	1486	11.00	1544	12.40
18000	818	1091	1636	1328	6.82	1361	7.53	1393	8.27	1425	9.02	1457	9.77	1488	10.50	1517	11.30	1570	12.80	1624	14.30

MEDIUM PRESSURE

20 F BLOWER

OUTLET AREA: 4.25 SQ. FT.

CFM	COIL VELOCITY			1.50 S.P.		1.75 S.P.		2.00 S.P.		2.25 S.P.		2.50 S.P.		2.75 S.P.		3.00 S.P.		3.50 S.P.		4.00 S.P.	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
9000	409	545	818	649	3.86	694	4.31	737	4.76	779	5.27	820	5.80	860	6.37	900	6.98	979	8.31	1051	9.69
10500	477	636	955	671	4.97	711	5.51	750	6.04	789	6.56	827	7.08	864	7.63	900	8.22	970	9.47	1039	10.80
12000	545	727	1091	697	6.35	736	6.93	772	7.52	808	8.14	842	8.76	876	9.35	910	9.94	976	11.10	1039	12.50
13500	614	818	1227	724	8.00	762	8.66	798	9.31	832	9.96	865	10.60	897	11.30	927	12.00	988	13.40	1048	14.70
15000	682	909	1364	757	9.97	790	10.70	825	11.40	859	12.10	891	12.90	922	13.60	951	14.30	1008	15.80	1063	17.40
16500	750	1000	1500	794	12.30	825	13.10	854	13.80	885	14.60	917	15.40	948	16.20	977	17.00	1032	18.60	1085	20.30
18000	818	1091	1636	834	15.00	863	15.90	890	16.70	918	17.50	945	18.40	974	19.20	1003	20.10	1059	21.90	1110	23.60

22 BI BLOWER

OUTLET AREA: 5.18 SQ. FT.

CFM	COIL VELOCITY			3.00 S.P.		3.25 S.P.		3.50 S.P.		3.75 S.P.		4.00 S.P.		4.25 S.P.		4.50 S.P.		5.00 S.P.		5.50 S.P.	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
9000	409	545	818	1343	6.06	1389	6.60	1433	7.14	1476	7.69	1518	8.25	1560	8.82	1601	9.41				
10500	477	636	955	1397	7.10	1436	7.65	1475	8.22	1515	8.81	1554	9.42	1593	10.00	1632	10.70	1706	11.90	1779	13.30
12000	545	727	1091	1472	8.49	1506	9.05	1540	9.61	1573	10.20	1607	10.80	1642	11.40	1676	12.10	1745	13.40	1814	14.80
13500	614	818	1227	1560	10.20	1591	10.80	1621	11.40	1651	12.00	1681	12.60	1711	13.20	1741	13.90	1801	15.20	1862	16.60
15000	682	909	1364	1660	12.20	1686	12.80	1712	13.50	1739	14.10	1766	14.80	1793	15.40	1820	16.10	1874	17.40	1928	18.90
16500	750	1000	1500	1762	14.60	1788	15.30	1813	16.00	1837	16.60	1860	17.30	1884	18.00	1909	18.70	1958	20.10	2008	21.60
18000	818	1091	1636	1854	17.00	1888	17.90	1916	18.70	1940	19.50	1963	20.20	1985	21.00	2007	21.70	2050	23.10	2096	24.70

22 AS BLOWER

OUTLET AREA: 5.18 SQ. FT.

CFM	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
9000	409	545	818	1375	6.03	1416	6.55	1457	7.07	1499	7.62	1540	8.17	1581	8.74	1621	9.32				
10500	477	636	955	1444	7.11	1481	7.66	1518	8.22	1555	8.80	1592	9.38	1627	9.97	1663	10.60	1733	11.80	1805	13.10
12000	545	727	1091	1531	8.45	1564	9.02	1596	9.61	1629	10.20	1661	10.80	1694	11.50	1726	12.10	1791	13.40	1853	14.70
13500	614	818	1227	1629	10.10	1658	10.70	1688	11.30	1717	11.90	1746	12.60	1775	13.20	1804	13.90	1861	15.20	1919	16.70
15000	682	909	1364	1735	12.00	1762	12.60	1788	13.30	1815	13.90	1841	14.60	1868	15.30	1894	16.00	1946	17.40	1998	18.90
16500	750	1000	1500	1846	14.20	1871	14.90	1895	15.60	1920	16.30	1944	17.00	1968	17.70	1993	18.40	2041	19.90	2088	21.40
18000	818	1091	1636	1962	16.80	1985	17.50	2008	18.30	2030	19.00	2053	19.70	2075	20.50	2098	21.30	2142	22.80	2186	24.40

HIGH PRESSURE

20 AS BLOWER

OUTLET AREA: 4.19 SQ. FT.

CFM	COIL VELOCITY			5.00 S.P.		5.50 S.P.		6.00 S.P.		6.50 S.P.		7.00 S.P.		7.50 S.P.		8.00 S.P.		9.00 S.P.		10.00 S.P.	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
8800	400	533	800	1933	9.68	2005	10.70	2078	11.80	2150	12.90	2224	14.10								
10000	455	606	909	2009	11.00	2074	12.00	2138	13.20	2202	14.30	2266	15.50	2330	16.70	2393	18.00	2522	20.60		
11200	509	679	1018	2093	12.60	2157	13.70	2218	14.80	2277	16.00	2335	17.20	2392	18.40	2448	19.70	2563	22.40	2676	25.10
12400	564	752	1127	2184	14.30	2242	15.50	2302	16.80	2362	18.10	2417	19.30	2471	20.50	2524	21.80	2628	24.40	2731	27.30
13600	618	824	1236	2302	16.60	2348	17.70	2394	18.90	2447	20.20	2501	21.60	2556	23.00	2609	24.30	2708	27.00	2805	29.80
14800	673	897	1345	2423	19.20	2469	20.40	2512	21.60	2554	22.80	2597	24.10	2643	25.50	2693	26.90	2794	30.00	2888	32.80
16000	727	970	1455	2543	21.90	2589	23.30	2633	24.60	2675	26.00	2715	27.30	2754	28.60	2793	29.90	2879	32.90	2971	36.10

IMPERIAL DATA

PERFORMANCE

LOW PRESSURE

2 18 F BLOWERS

OUTLET AREA: 5.74 SQ. FT.

CFM	COIL VELOCITY			0.50 SP		0.75 SP		1.00 SP		1.25 SP		1.50 SP		1.75 SP		2.00 SP		2.50 SP		3.00 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
9000	400	533	800	426	1.35	505	1.86	578	2.42												
10200	453	604	907	439	1.66	514	2.21	583	2.80	647	3.43										
11400	507	675	1013	454	2.04	525	2.62	590	3.25	651	3.91	709	4.61								
12600	560	746	1120	471	2.49	538	3.10	601	3.76	659	4.47	714	5.20	767	5.97	818	6.77				
13800	613	818	1227	490	3.00	553	3.67	613	4.36	669	5.10	722	5.87	772	6.67	821	7.50	914	9.26		
15000	667	889	1333	509	3.60	570	4.31	627	5.04	681	5.81	732	6.62	780	7.47	827	8.33	916	10.10		
16200	720	960	1440	528	4.28	589	5.05	643	5.83	694	6.62	744	7.46	790	8.34	836	9.26	921	11.10	1003	13.10
17400	773	1031	1547	549	5.06	608	5.87	660	6.70	709	7.54	757	8.41	802	9.32	846	10.30	929	12.20	1008	14.30
18600	827	1102	1653	570	5.93	627	6.80	678	7.68	725	8.57	771	9.48	815	10.40	857	11.40	938	13.40	1014	15.60

2 18 BI BLOWERS

OUTLET AREA: 7.0 SQ. FT.

CFM	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
9000	400	533	800	861	1.28	939	1.67	1014	2.07	1090	2.52	1164	2.99	1237	3.48	1310	4.01				
10200	453	604	907	936	1.64	1005	2.05	1075	2.50	1140	2.95	1207	3.45	1274	3.97	1338	4.50	1467	5.67		
11400	507	675	1013	1014	2.06	1077	2.51	1140	2.99	1201	3.49	1260	4.00	1318	4.53	1379	5.11	1496	6.29	1612	7.59
12600	560	746	1120	1096	2.57	1153	3.06	1209	3.55	1266	4.10	1322	4.66	1375	5.21	1428	5.78	1537	7.04	1642	8.35
13800	613	818	1227	1180	3.16	1231	3.70	1284	4.24	1335	4.78	1387	5.39	1438	6.00	1487	6.61	1583	7.86	1683	9.26
15000	667	889	1333	1264	3.84	1312	4.43	1360	5.02	1408	5.60	1455	6.20	1503	6.86	1550	7.53	1641	8.85	1729	10.20
16200	720	960	1440	1350	4.63	1396	5.26	1439	5.89	1484	6.53	1528	7.16	1572	7.81	1616	8.52	1703	9.96	1786	11.40
17400	773	1031	1547	1436	5.53	1480	6.21	1521	6.88	1562	7.57	1604	8.25	1645	8.92	1685	9.62	1767	11.20	1847	12.70
18600	827	1102	1653	1523	6.56	1565	7.27	1605	7.99	1642	8.72	1681	9.45	1720	10.20	1758	10.90	1834	12.40	1911	14.10

2 18 AS BLOWERS

OUTLET AREA: 7.0 SQ. FT.

CFM	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
9000	400	533	800	914	1.28	986	1.65	1059	2.06	1131	2.50	1201	2.96	1271	3.45	1346	4.01				
10200	453	604	907	998	1.63	1063	2.03	1127	2.46	1191	2.93	1255	3.43	1317	3.94	1379	4.47	1507	5.66		
11400	507	675	1013	1086	2.05	1145	2.50	1203	2.96	1260	3.44	1317	3.96	1375	4.51	1431	5.07	1541	6.25	1655	7.55
12600	560	746	1120	1175	2.55	1230	3.05	1283	3.54	1335	4.05	1387	4.58	1439	5.15	1491	5.76	1593	7.00	1693	8.29
13800	613	818	1227	1265	3.12	1318	3.68	1367	4.22	1415	4.76	1462	5.32	1509	5.90	1557	6.51	1652	7.83	1745	9.19
15000	667	889	1333	1356	3.79	1407	4.41	1453	4.99	1498	5.57	1542	6.17	1586	6.78	1629	7.41	1716	8.75	1803	10.20
16200	720	960	1440	1450	4.56	1496	5.22	1541	5.87	1583	6.50	1625	7.13	1666	7.77	1706	8.43	1786	9.79	1867	11.30
17400	773	1031	1547	1544	5.44	1587	6.14	1630	6.85	1671	7.54	1710	8.21	1748	8.89	1786	9.58	1861	11.00	1936	12.50
18600	827	1102	1653	1640	6.44	1679	7.17	1720	7.93	1759	8.69	1796	9.41	1833	10.10	1869	10.80	1940	12.30	2010	13.90

MEDIUM PRESSURE

2 15 F BLOWERS

OUTLET AREA: 4.10 SQ. FT.

CFM	COIL VELOCITY			1.50 SP		1.75 SP		2.00 SP		2.25 SP		2.50 SP		2.75 SP		3.00 SP		3.50 SP		4.00 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
8000	356	474	711	833	3.20	901	3.74														
9000	400	533	800	838	3.66	899	4.21	962	4.80	1022	5.42										
10000	444	592	889	850	4.22	908	4.79	964	5.38	1019	6.00	1076	6.67	1130	7.35						
11000	489	652	978	865	4.89	920	5.46	974	6.07	1026	6.71	1077	7.37	1127	8.07	1178	8.81				
12000	533	711	1067	883	5.66	936	6.26	988	6.88	1037	7.53	1086	8.22	1133	8.92	1179	9.65	1272	11.20	1363	12.80
13000	578	770	1156	902	6.54	955	7.17	1004	7.82	1052	8.48	1098	9.18	1143	9.90	1188	10.60	1274	12.20	1360	13.90
14000	622	829	1244	923	7.53	974	8.20	1022	8.87	1069	9.57	1114	10.30	1157	11.00	1199	11.80	1282	13.40	1362	15.00
15000	667	889	1333	945	8.59	994	9.34	1042	10.10	1087	10.80	1131	11.50	1173	12.30	1214	13.00	1294	14.70	1371	16.40
16000	711	948	1422	969	9.76	1016	10.60	1062	11.40	1107	12.10	1150	12.90	1191	13.70	1231	14.50	1308	16.10	1383	17.90

2 16 BI BLOWERS

OUTLET AREA: 5.72 SQ. FT.

CFM	COIL VELOCITY			3.00 SP		3.25 SP		3.50 SP		3.75 SP		4.00 SP		4.25 SP		4.50 SP		5.00 SP		5.50 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
10000	444	592	889	1817	6.66	1874	7.20	1932	7.78	1990	8.37	2049	8.99								
11000	489	652	978	1866	7.43	1920	7.99	1972	8.56	2024	9.15	2075	9.75	2128	10.40	2182	11.00				
12000	533	711	1067	1923	8.31	1971	8.88	2021	9.48	2072	10.10	2120	10.70	2167	11.30	2215	12.00				
13000	578	770	1156	2002	9.35	2041	9.93	2080	10.50	2124	11.10	2170	11.80	2216	12.40	2263	13.10	2350	14.40	2437	15.80
14000	622	829	1244	2086	10.50	2124	11.10	2159	11.70	2195	12.40	2231	13.00	2271	13.60	2313	14.30	2399	15.70	2482	17.10
15000	667	889	1333	2170	11.80	2206	12.40	2243	13.10	2278	13.70	2311	14.40	2345	15.00	2378	15.70	2452	17.10	2531	18.60
16000	711	948	1422	2260	13.20	2292	13.90	2326	14.50	2361	15.20	2395	15.90	2428	16.60	2459	17.30	2521	18.70	2588	20.20
17000	756	1007	1511	2353	14.70	2384	15.40	2415	16.10	2445	16.90	2478	17.60	2510	18.30	2543	19.00	2603	20.50	2662	22.00
18000	800	1066	1600	2448	16.40	2478	17.10	2508	17.90	2537	18.60	2566	19.40	2595	20.10	2626	20.90	2687	22.50	2744	24.00

2 16 AS BLOWERS

OUTLET AREA: 5.72 SQ. FT.

10000	444	592	889	1851	6.55	1907	7.10	1965	7.69	2023	8.30	2082	8.94	2141	9.59	2198	10.20				
11000	489	652	978	1911	7.32	1960	7.86	2010	8.42	2060	9.00	2112	9.62	2165	10.30	2218	10.90	2324	12.40	2429	13.80
12000	533	711	1067	1984	8.20	2028	8.76	2072	9.34	2117	9.92	2162	10.50	2208	11.10	2254	11.80	2350	13.20	2448	14.60
13000	578	770	1156	2069	9.19	2107	9.78	2146	10.40	2186	11.00	2227	11.60	2268	12.20	2310	12.90	2394	14.20	2481	15.60
14000	622	829	1244	2161	10.30	2196	10.90	2231	11.50	2266	12.20	2303	12.80	2340	13.40	2377	14.10	2454	15.50	2531	16.90
15000	667	889	1333	2257	11.60	2290	12.20	2322	12.80	2355	13.50	2388	14.10	2421	14.80	2455	15.50	2524	16.90	2595	18.30
16000	711	948	1422	2354	13.00	2386	13.60	2418	14.30	2449	15.00	2479	15.60	2510	16.30	2541	17.00	2603	18.40	2667	19.90
17000	756	1007	1511	2454	14.50	2485	15.20	2515	15.90	2545	16.60	2575	17.30	2604	18.00	2633	18.70	2690	20.20	2748	21.70
18000	800	1066	1600	2558	16.30	2586	16.90	2615	17.60	2643	18.40	2672	19.10	2700	19.80	2728	20.60	2783	22.10	2837	23.60

PERFORMANCE

IMPERIAL DATA

LOW PRESSURE

2 20 F BLOWERS

OUTLET AREA: 8.50 SQ. FT.

CFM	COIL VELOCITY			0.50 SP		0.75 SP		1.00 SP		1.25 SP		1.50 SP		1.75 SP		2.00 SP		2.50 SP		3.00 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
11000	370	518	739	391	1.72	463	2.28	529	2.95	594	3.74										
12500	420	588	840	405	2.15	471	2.78	534	3.44	592	4.19	650	5.07	704	6.01						
14000	471	659	941	422	2.67	483	3.38	541	4.08	597	4.82	649	5.65	701	6.58	752	7.61				
15500	521	729	1042	439	3.29	498	4.05	552	4.84	604	5.61	654	6.43	702	7.33	749	8.30	841	10.60		
17000	571	800	1142	457	4.01	515	4.83	566	5.68	615	6.54	662	7.38	708	8.27	752	9.24	837	11.40	921	13.90
18500	622	871	1243	477	4.84	532	5.74	582	6.62	628	7.57	672	8.50	716	9.42	759	10.40	839	12.50	917	14.90
20000	672	941	1344	499	5.80	549	6.75	599	7.72	643	8.70	685	9.73	727	10.70	767	11.70	845	13.80	919	16.20
21500	723	1012	1445	522	6.90	568	7.90	616	8.95	660	9.98	701	11.00	739	12.20	778	13.20	852	15.40	924	17.70
23000	773	1082	1546	545	8.14	589	9.20	633	10.30	677	11.40	717	12.50	754	13.70	791	14.90	862	17.20	931	19.50

2 20 BI BLOWERS

OUTLET AREA: 8.38 SQ. FT.

11000	370	518	739	812	1.70	877	2.17	942	2.69	1005	3.23	1071	3.81	1137	4.43	1201	5.07				
12500	420	588	840	889	2.19	947	2.71	1004	3.25	1061	3.85	1117	4.46	1173	5.08	1231	5.76	1346	7.19		
14000	471	659	941	966	2.76	1021	3.36	1073	3.95	1124	4.56	1174	5.22	1225	5.90	1275	6.59	1377	8.06	1480	9.66
15500	521	729	1042	1042	3.42	1098	4.12	1146	4.77	1193	5.42	1238	6.10	1284	6.82	1330	7.57	1420	9.09	1513	10.70
17000	571	800	1142	1119	4.20	1176	4.98	1222	5.72	1265	6.43	1308	7.14	1349	7.88	1390	8.65	1474	10.30	1556	12.00
18500	622	871	1243	1199	5.13	1252	5.95	1299	6.79	1340	7.58	1380	8.35	1419	9.12	1457	9.92	1533	11.60	1610	13.40
20000	672	941	1344	1281	6.21	1328	7.05	1377	7.97	1417	8.86	1454	9.71	1491	10.50	1528	11.40	1598	13.10	1669	15.00
21500	723	1012	1445	1366	7.46	1406	8.32	1452	9.28	1495	10.30	1531	11.20	1565	12.10	1600	13.00	1667	14.80	1733	16.70
23000	773	1082	1546	1452	8.88	1487	9.77	1529	10.70	1571	11.80	1609	12.90	1642	13.90	1674	14.80	1738	16.70	1801	18.70

2 20 AS BLOWERS

OUTLET AREA: 8.38 SQ. FT.

11000	370	518	739	861	1.69	925	2.15	984	2.62	1051	3.18	1112	3.72	1171	4.32	1228	4.95	1345	6.32	1481	8.55
12500	420	588	840	943	2.16	1003	2.71	1058	3.22	1108	3.75	1167	4.38	1224	5.00	1277	5.63	1379	7.03	1481	8.55
14000	471	659	941	1030	2.74	1082	3.33	1136	3.94	1184	4.51	1228	5.10	1279	5.77	1332	6.49	1428	7.88	1520	9.43
15500	521	729	1042	1119	3.43	1165	4.06	1214	4.74	1262	5.41	1305	6.04	1346	6.68	1389	7.39	1484	8.95	1571	10.50
17000	571	800	1142	1210	4.25	1252	4.94	1295	5.64	1340	6.39	1383	7.13	1423	7.82	1460	8.52	1540	10.10	1626	11.80
18500	622	871	1243	1300	5.20	1342	5.95	1380	6.70	1420	7.48	1462	8.31	1501	9.10	1539	9.86	1607	11.40	1682	13.10
20000	672	941	1344	1391	6.29	1432	7.11	1468	7.91	1504	8.73	1541	9.59	1580	10.50	1617	11.40	1685	13.00	1747	14.70
21500	723	1012	1445	1482	7.53	1523	8.42	1557	9.29	1591	10.20	1624	11.00	1659	12.00	1695	12.90	1763	14.80	1824	16.50
23000	773	1082	1546	1575	8.96	1613	9.90	1648	10.80	1679	11.80	1710	12.70	1742	13.70	1775	14.60	1841	16.70	1902	18.60

MEDIUM PRESSURE

2 18 F BLOWERS

OUTLET AREA: 5.74 SQ. FT.

CFM	COIL VELOCITY			1.50 SP		1.75 SP		2.00 SP		2.25 SP		2.50 SP		2.75 SP		3.00 SP		3.50 SP		4.00 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
11000	370	518	739	703	4.37																
12500	420	588	840	708	5.07	761	5.83	812	6.62												
14000	471	659	941	716	5.88	767	6.68	815	7.52	862	8.38	908	9.27								
15500	521	729	1042	728	6.82	776	7.67	823	8.55	867	9.45	911	10.40	953	11.30	994	12.30				
17000	571	800	1142	743	7.90	789	8.80	833	9.72	876	10.70	918	11.70	958	12.60	998	13.70	1074	15.80		
18500	622	871	1243	759	9.16	804	10.10	846	11.10	888	12.00	928	13.10	967	14.10	1005	15.20	1078	17.40	1149	19.70
20000	672	941	1344	777	10.60	820	11.60	861	12.60	901	13.60	940	14.70	978	15.80	1014	16.90	1085	19.20	1154	21.50
21500	723	1012	1445	798	12.20	838	13.20	878	14.30	917	15.30	954	16.40	991	17.60	1026	18.70	1095	21.10	1161	23.60
23000	773	1082	1546	819	14.00	858	15.10	896	16.20	933	17.30	970	18.40	1005	19.60	1040	20.80	1107	23.30	1171	25.80

2 18 BI BLOWERS

OUTLET AREA: 7.0 SQ. FT.

CFM	COIL VELOCITY			3.00 SP		3.25 SP		3.50 SP		3.75 SP		4.00 SP		4.25 SP		4.50 SP		5.00 SP		5.50 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
12500	420	588	840	1633	8.21	1685	8.88	1739	9.60	1791	10.30	1843	11.10								
13700	461	645	921	1673	9.09	1722	9.79	1770	10.50	1818	11.20	1866	12.00	1915	12.80	1962	13.60	2055	15.30		
14900	501	701	1001	1718	10.00	1764	10.80	1811	11.50	1856	12.30	1901	13.10	1945	13.90	1988	14.70	2077	16.40	2165	18.10
16100	541	758	1082	1773	11.20	1814	11.90	1856	12.60	1899	13.40	1942	14.30	1985	15.10	2026	15.90	2108	17.60	2189	19.40
17300	582	814	1163	1834	12.40	1873	13.20	1911	13.90	1949	14.70	1987	15.50	2027	16.40	2068	17.30	2147	19.10	2223	20.90
18500	622	871	1243	1896	13.80	1934	14.60	1971	15.40	2007	16.20	2043	17.00	2079	17.90	2114	18.70	2189	20.60	2264	22.50
19700	662	927	1324	1961	15.20	1998	16.10	2033	17.00	2069	17.90	2103	18.70	2137	19.60	2171	20.50	2238	22.30	2307	24.20
20900	703	984	1405	2029	16.80	2063	17.70	2098	18.70	2132	19.60	2165	20.50	2198	21.40	2231	22.30	2295	24.20	2358	26.10
22100	743	1040	1485	2100	18.60	2132	19.50	2164	20.40	2197	21.40	2229	22.40	2262	23.40	2293	24.40	2355	26.30	2416	28.20

2 18 AS BLOWERS

OUTLET AREA: 7.0 SQ. FT.

12500	420	588	840	1683	8.15	1734	8.82	1786	9.55	1840	10.30	1893	11.10	1946	11.90						
13700	461	645	921	1735	9.02	1780	9.71	1826	10.40	1872	11.20	1918	11.90	1966	12.70	2015	13.60	2113	15.30		
14900	501	701	1001	1792	9.99	1835	10.70	1878	11.50	1921	12.20	1963	13.00	2005	13.80	2047	14.60	2134	16.30	2224	18.10
16100	541	758	1082	1854	11.00	1895	11.80	1935	12.60	1976	13.40	2016	14.20	2055	15.00	2094	15.80	2172	17.50	2250	19.20
17300	582	814	1163	1922	12.20	1960	13.00	1998	13.80	2036	14.70	2073	15.50	2111	16.30	2148	17.20	2222	18.90	2294	20.70
18500	622	871	1243	1995	13.60	2030	14.40	2065	15.20	2100	16.00	2136	16.90	2171	17.80	2207	18.70	2277	20.50	2347	22.30
19700	662	927	1324	2071	15.10	2104	15.90	2137	16.70	2170	17.60	2203	18.40	2236	19.30	2270	20.30	2336	22.20	2402	24.10
20900	703	984	1405	2150	16.70	2182	17.60	2213	18.40	2244	19.30	2275	20.20	2306	21.10	2337	22.00	2400	23.90	2463	26.00
22100	743	1040	1485	2231	18.50	2261	19.40	2291	20.30	2321	21.20	2350	22.10	2379	23.00	2409	24.00	2467	25.90	2527	27.90

IMPERIAL DATA

PERFORMANCE

LOW PRESSURE

27 F BLOWER

OUTLET AREA: 8.39 SQ. FT.

CFM	COIL VELOCITY			0.50 SP		0.75 SP		1.00 SP		1.25 SP		1.50 SP		1.75 SP		2.00 SP		2.50 SP		3.00 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
11000	398	521	846	277	1.92	323	2.45	366	3.02	407	3.65										
13000	471	615	1000	292	2.67	336	3.30	375	3.93	412	4.58										
15000	543	710	1154	310	3.62	351	4.35	388	5.07	422	5.80	447	5.28	481	6.03						
17000	615	805	1308	330	4.80	367	5.63	402	6.46	435	7.27	466	8.09	495	8.92	516	8.12	575	9.90		
19000	688	899	1462	351	6.25	386	7.17	419	8.10	450	9.02	479	9.93	507	10.80	534	11.80	585	13.70	630	13.50
21000	760	994	1615	374	7.99	406	9.00	436	10.00	466	11.10	494	12.10	521	13.10	547	14.10	596	16.10	642	18.20
23000	833	1088	1769	399	10.10	427	11.20	456	12.30	484	13.40	510	14.50	536	15.60	561	16.70	608	18.90	652	21.20

27 BI BLOWER

OUTLET AREA: 7.60 SQ. FT.

CFM	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
11000	398	521	846	624	1.73	669	2.19	715	2.67	760	3.18	804	3.72	850	4.28	896	4.87	983	6.12	1068	7.52
13000	471	615	1000	704	2.43	745	2.97	783	3.51	821	4.07	861	4.65	899	5.26	936	5.89	1013	7.22	1091	8.63
15000	543	710	1154	787	3.34	825	3.95	860	4.57	893	5.18	926	5.82	959	6.49	994	7.16	1060	8.57	1125	10.10
17000	615	805	1308	872	4.48	906	5.16	939	5.85	970	6.55	999	7.25	1029	7.96	1058	8.70	1118	10.20	1177	11.80
19000	688	899	1462	959	5.89	990	6.63	1021	7.39	1050	8.17	1078	8.96	1104	9.73	1130	10.50	1183	12.10	1236	13.80
21000	760	994	1615	1047	7.58	1075	8.41	1103	9.23	1131	10.10	1158	10.90	1183	11.80	1208	12.70	1254	14.40	1302	16.20
23000	833	1088	1769	1135	9.60	1162	10.50	1188	11.40	1214	12.30	1239	13.20	1263	14.20	1287	15.10	1331	17.00	1374	18.90

27 AD BLOWER

OUTLET AREA: 7.60 SQ. FT.

CFM	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
11000	398	521	846	664	1.63	708	2.06	752	2.50	798	2.99	841	3.50	884	4.04	926	4.59	1006	5.73	1089	7.00
13000	471	615	1000	751	2.26	793	2.80	830	3.31	866	3.82	904	4.37	943	4.95	980	5.54	1052	6.81	1122	8.12
15000	543	710	1154	841	3.08	879	3.69	915	4.30	948	4.89	979	5.47	1011	6.07	1044	6.72	1110	8.07	1173	9.48
17000	615	805	1308	934	4.12	967	4.77	1001	5.47	1033	6.16	1062	6.84	1090	7.50	1117	8.17	1175	9.57	1234	11.10
19000	688	899	1462	1030	5.39	1059	6.11	1089	6.86	1119	7.64	1148	8.42	1175	9.17	1200	9.92	1249	11.40	1300	13.00
21000	760	994	1615	1126	6.92	1153	7.72	1179	8.53	1206	9.36	1234	10.20	1260	11.10	1285	11.90	1331	13.60	1376	15.20
23000	833	1088	1769	1224	8.77	1248	9.62	1272	10.50	1297	11.40	1321	12.30	1347	13.20	1371	14.20	1417	16.00	1458	17.80

MEDIUM PRESSURE

25 F BLOWER

OUTLET AREA: 6.78 SQ. FT.

CFM	COIL VELOCITY			1.50 SP		1.75 SP		2.00 SP		2.25 SP		2.50 SP		2.75 SP		3.00 SP		3.50 SP		4.00 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
11000	398	521	846																		
13000	471	615	1000	514	5.31	551	6.08														
15000	543	710	1154	524	6.62	559	7.38	593	8.16	626	9.04	657	9.98								
17000	615	805	1308	539	8.09	572	9.03	603	9.89	634	10.80	664	11.60	693	12.60	721	13.60				
19000	688	899	1462	557	9.87	588	10.80	618	11.80	646	12.90	675	13.80	702	14.80	729	15.80	782	17.90	831	20.20
21000	760	994	1615	577	12.20	607	13.00	635	14.00	662	15.10	688	16.20	714	17.40	740	18.40	790	20.60	838	22.70
23000	833	1088	1769	596	14.70	626	15.80	654	16.80	680	17.70	705	18.90	730	20.10	754	21.30	801	23.80	847	26.10

24 BI BLOWER

OUTLET AREA: 6.27 SQ. FT.

CFM	COIL VELOCITY			3.00 SP		3.25 SP		3.50 SP		3.75 SP		4.00 SP		4.25 SP		4.50 SP		5.00 SP		5.50 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
11000	398	521	846	1252	7.51	1288	8.12	1324	8.75	1360	9.40	1395	10.10	1430	10.80	1465	11.50	1534	13.00		
13000	471	615	1000	1328	9.18	1362	9.84	1394	10.50	1426	11.20	1457	11.90	1487	12.60	1518	13.30	1579	14.80		
15000	543	710	1154	1404	11.10	1437	11.80	1469	12.60	1501	13.30	1533	14.10	1562	14.90	1591	15.60	1646	17.20	1699	18.80
17000	615	805	1308	1499	13.60	1527	14.40	1553	15.10	1580	15.80	1608	16.60	1637	17.50	1666	18.30	1722	20.10	1775	21.80
19000	688	899	1462	1599	16.60	1626	17.40	1652	18.20	1676	19.00	1700	19.80	1724	20.70	1748	21.50	1798	23.20	1849	25.10
21000	760	994	1615	1701	19.90	1726	20.80	1751	21.70	1776	22.70	1800	23.60	1823	24.50	1845	25.40	1889	27.20	1933	29.00
23000	833	1088	1769	1806	23.60	1830	24.60	1854	25.70	1877	26.70	1900	27.80	1923	28.80	1945	29.80	1989	31.90	2029	33.80

24 AD BLOWER

OUTLET AREA: 6.27 SQ. FT.

CFM	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
11000	398	521	846	1276	6.93	1314	7.50	1351	8.07	1387	8.65	1423	9.24	1459	9.85	1494	10.50	1562	11.70		
13000	471	615	1000	1355	8.47	1386	9.06	1419	9.67	1451	10.30	1483	10.90	1516	11.60	1548	12.30	1610	13.60	1672	15.00
15000	543	710	1154	1454	10.40	1482	11.00	1510	11.70	1537	12.40	1564	13.00	1591	13.70	1619	14.40	1675	15.90	1731	17.30
17000	615	805	1308	1555	12.60	1583	13.30	1610	14.10	1637	14.80	1662	15.60	1687	16.30	1711	17.00	1759	18.50	1807	20.10
19000	688	899	1462	1663	15.20	1687	16.00	1713	16.80	1738	17.60	1763	18.40	1788	19.30	1812	20.10	1858	21.70	1902	23.40
21000	760	994	1615	1776	18.20	1800	19.00	1823	19.90	1845	20.80	1868	21.70	1891	22.60	1914	23.50	1959	25.30	2003	27.10
23000	833	1088	1769	1891	21.60	1915	22.60	1937	23.50	1959	24.50	1980	25.40	2001	26.40	2021	27.30	2063	29.30	2105	31.30

HIGH PRESSURE

22 AS BLOWER

OUTLET AREA: 5.18 SQ. FT.

CFM	COIL VELOCITY			5.00 SP		5.50 SP		6.00 SP		6.50 SP		7.00 SP		7.50 SP		8.00 SP		9.00 SP		10.00 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
11000	398	521	846	1743	12.20	1810	13.50	1878	14.80	1946	16.20										
12500	453	592	962	1804	13.80	1866	15.20	1926	16.60	1986	18.00	2045	19.50	2105	21.00	2165	22.60				
14000	507	663	1077	1879	15.70	1935	17.10	1990	18.60	2046	20.10	2101	21.60	2155	23.20	2208	24.80	2314	28.10	2421	31.60
15500	561	734	1192	1966	17.90	2017	19.40	2067	20.90	2118	22.40	2168	24.00	2218	25.70	2268	27.40	2367	30.80	2463	34.40
17000	615	805	1308	2062	20.50	2109	22.00	2155	23.60	2201	25.20	2248	26.80	2293	28.50	2339	30.20	2431	33.80	2522	37.50

PERFORMANCE

IMPERIAL DATA

LOW PRESSURE

30 F BLOWER

OUTLET AREA: 9.38 SQ. FT.

CFM	COIL VELOCITY			0.50 SP		0.75 SP		1.00 SP		1.25 SP		1.50 SP		1.75 SP		2.00 SP		2.50 SP		3.00 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
13000	391	531	743	256	2.36	313	4.44														
15500	466	633	886	263	2.74	313	4.30	360	6.72												
18000	541	735	1029	275	3.47	319	4.74	361	6.63	402	9.26	443	12.70								
20500	617	837	1171	290	4.51	329	5.63	367	7.20	404	9.33	441	12.10	477	15.60						
23000	692	939	1314	307	5.76	343	6.92	377	8.29	411	10.10	444	12.40	477	15.20	509	18.70				
25500	767	1041	1457	325	7.34	358	8.55	390	9.86	421	11.40	451	13.40	481	15.90	511	18.80	569	26.20	626	35.90
28000	842	1143	1600	342	9.14	374	10.40	405	11.90	433	13.30	461	15.10	489	17.20	516	19.80	570	26.10	623	34.40

30 BI BLOWER

OUTLET AREA: 9.43 SQ. FT.

CFM	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
13000	391	531	743	560	2.05	600	2.58	640	3.16	678	3.75	716	4.40	756	5.09	795	5.75	874	7.28		
15500	466	633	886	637	2.95	673	3.57	706	4.20	740	4.88	773	5.58	805	6.28	837	7.03	903	8.67	968	10.30
18000	541	735	1029	716	4.10	750	4.85	780	5.55	808	6.28	838	7.05	867	7.85	895	8.66	950	10.30	1006	12.10
20500	617	837	1171	796	5.52	828	6.41	857	7.25	884	8.05	908	8.87	934	9.72	960	10.60	1010	12.40	1058	14.30
23000	692	939	1314	877	7.28	907	8.28	935	9.27	961	10.20	985	11.10	1007	12.00	1029	12.90	1076	14.90	1120	17.00
25500	767	1041	1457	960	9.43	987	10.50	1013	11.60	1038	12.70	1062	13.80	1084	14.80	1104	15.80	1144	17.80	1186	20.00
28000	842	1143	1600	1044	12.00	1069	13.20	1093	14.40	1117	15.60	1139	16.80	1161	18.00	1182	19.10	1219	21.30	1256	23.50

30 AD BLOWER

OUTLET AREA: 9.43 SQ. FT.

CFM	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
13000	391	531	743	592	1.92	636	2.47	677	3.02	716	3.60	755	4.20	793	4.82	831	5.47	908	6.88		
15500	466	633	886	673	2.71	712	3.35	748	4.00	784	4.67	818	5.34	851	6.02	883	6.73	947	8.21	1011	9.78
18000	541	735	1029	757	3.74	792	4.47	825	5.21	857	5.97	888	6.74	918	7.51	947	8.28	1004	9.89	1059	11.60
20500	617	837	1171	843	5.03	874	5.87	905	6.69	934	7.53	963	8.39	990	9.26	1017	10.10	1069	11.90	1119	13.70
23000	692	939	1314	930	6.60	959	7.56	987	8.49	1014	9.42	1041	10.40	1066	11.30	1091	12.30	1139	14.30	1186	16.20
25500	767	1041	1457	1019	8.50	1046	9.58	1071	10.60	1096	11.70	1121	12.70	1145	13.70	1168	14.80	1213	16.90	1257	19.10
28000	842	1143	1600	1108	10.80	1133	11.90	1157	13.10	1181	14.30	1203	15.40	1226	16.50	1248	17.70	1290	20.00	1331	22.30

MEDIUM PRESSURE

27 F BLOWER

OUTLET AREA: 8.39 SQ. FT.

CFM	COIL VELOCITY			1.50 SP		1.75 SP		2.00 SP		2.25 SP		2.50 SP		2.75 SP		3.00 SP		3.50 SP		4.00 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
13000	391	531	743	443	5.20	478	5.95														
15000	451	612	857	450	6.44	482	7.20	512	8.01	542	8.86	571	9.77								
17000	511	694	971	460	7.94	490	8.77	519	9.63	546	10.50	573	11.40	599	12.30	625	13.30				
19000	571	776	1086	473	9.73	501	10.60	528	11.60	554	12.50	580	13.40	605	14.40	628	15.40	676	17.50	723	19.80
21000	632	857	1200	487	11.80	514	12.80	540	13.80	565	14.80	589	15.80	613	16.90	636	17.90	680	20.10	723	22.30
23000	692	939	1314	502	14.20	528	15.30	553	16.40	577	17.50	601	18.60	623	19.70	645	20.80	688	23.10	729	25.40
25000	752	1020	1429	518	16.90	543	18.10	568	19.30	591	20.50	613	21.70	635	22.90	657	24.10	698	26.50	738	29.00

27 BI BLOWER

OUTLET AREA: 7.60 SQ. FT.

CFM	COIL VELOCITY			3.00 SP		3.25 SP		3.50 SP		3.75 SP		4.00 SP		4.25 SP		4.50 SP		5.00 SP		5.50 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
13000	391	531	743	1087	8.56	1123	9.29	1160	10.00	1195	10.80	1231	11.70	1267	12.50	1302	13.40				
15000	451	612	857	1120	9.96	1154	10.70	1188	11.50	1221	12.30	1255	13.20	1287	14.00	1318	14.90	1380	16.60	1443	18.60
17000	511	694	971	1172	11.60	1200	12.50	1229	13.30	1257	14.10	1287	15.00	1317	15.90	1347	16.80	1406	18.70	1463	20.50
19000	571	776	1086	1230	13.60	1257	14.50	1284	15.40	1310	16.30	1335	17.20	1361	18.10	1386	19.00	1439	21.00	1492	23.00
21000	632	857	1200	1296	16.00	1319	16.90	1343	17.80	1368	18.70	1392	19.70	1417	20.70	1440	21.60	1486	23.60	1532	25.70
23000	692	939	1314	1367	18.60	1389	19.60	1410	20.60	1432	21.60	1454	22.60	1476	23.60	1498	24.60	1543	26.70	1586	28.90
25000	752	1020	1429	1443	21.70	1463	22.70	1482	23.70	1502	24.80	1522	25.80	1542	26.90	1562	28.00	1603	30.20	1644	32.50

27 AD BLOWER

OUTLET AREA: 7.60 SQ. FT.

CFM	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
13000	391	531	743	1119	8.05	1153	8.73	1187	9.41	1222	10.10	1257	10.90	1292	11.70						
15000	451	612	857	1169	9.38	1200	10.10	1231	10.90	1262	11.60	1292	12.40	1321	13.20	1351	14.00	1411	15.60	1472	17.30
17000	511	694	971	1229	11.00	1257	11.70	1285	12.50	1313	13.30	1341	14.10	1369	15.00	1396	15.80	1449	17.60	1502	19.30
19000	571	776	1086	1294	12.80	1321	13.60	1348	14.40	1374	15.30	1399	16.20	1424	17.00	1449	17.90	1499	19.80	1548	21.70
21000	632	857	1200	1370	15.00	1392	15.80	1415	16.70	1439	17.60	1463	18.50	1487	19.40	1511	20.40	1557	22.30	1602	24.20
23000	692	939	1314	1452	17.60	1472	18.50	1492	19.40	1513	20.30	1533	21.20	1554	22.10	1576	23.10	1620	25.10	1664	27.20
25000	752	1020	1429	1536	20.40	1556	21.40	1575	22.40	1593	23.30	1612	24.30	1630	25.30	1649	26.30	1688	28.30	1728	30.40

HIGH PRESSURE

24 AD BLOWER

OUTLET AREA: 6.27 SQ. FT.

CFM	COIL VELOCITY			5.00 SP		5.50 SP		6.00 SP		6.50 SP		7.00 SP		7.50 SP		8.00 SP		9.00 SP		10.00 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
13000	391	531	743	1610	13.60	1672	15.00	1731	16.40	1790	17.90	1848	19.40								
15000	451	612	857	1675	15.90	1731	17.30	1787	18.90	1841	20.40	1895	22.00	1947	23.60	1999	25.30	2101	28.70		
17000	511	694	971	1759	18.50	1807	20.10	1857	21.70	1906	23.30	1956	25.00	2005	26.80	2054	28.50	2148	32.10	2241	35.80
19000	571	776	1086	1858	21.70	1902	23.40	1945	25.10	1988	26.70	2031	28.50	2076	30.30	2120	32.10	2208	35.90	2296	39.80
21000	632	857	1200	1959	25.30	2003	27.10	2045	29.00	2085	30.80	2125	32.60	2163	34.50	2202	36.30	2281	40.20	2361	44.30
23000	692	939	1314	2063	29.30	2105	31.30	2146	33.30	2186	35.30	2226	37.30	2262	39.20	2298	41.20	2370	45.30	2440	49.40
25000	752	1020	1429	2173	33.80	2211	35.90	2250	38.00	2288	40.20	2326	42.30	2363	44.50	2400	46.70	2468	51.00	2534	55.40

IMPERIAL DATA

PERFORMANCE

LOW PRESSURE

33 BI BLOWER

OUTLET AREA: 11.39 SQ. FT.

CFM	COIL VELOCITY			0.50 SP		0.75 SP		1.00 SP		1.25 SP		1.50 SP		1.75 SP		2.00 SP		2.50 SP		3.00 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
14000	356	498	679	453	1.88	499	2.50	545	3.16	589	3.90	634	4.71	676	5.55	718	6.47				
16000	406	569	776	493	2.40	533	3.08	574	3.79	614	4.55	653	5.35	692	6.26	731	7.19	804	9.17	876	11.40
18000	457	640	873	536	3.04	571	3.76	606	4.54	643	5.35	680	6.20	714	7.06	748	8.02	818	10.10	883	12.30
20000	508	711	969	580	3.79	613	4.60	644	5.41	676	6.28	708	7.17	743	8.12	774	9.07	836	11.10	898	13.50
22000	559	782	1066	626	4.68	655	5.56	685	6.44	713	7.35	742	8.31	771	9.28	802	10.30	860	12.40	916	14.70
24000	609	853	1163	672	5.71	699	6.67	727	7.64	753	8.59	779	9.59	806	10.60	832	11.70	889	13.90	941	16.20
26000	660	924	1260	718	6.90	745	7.94	770	8.97	795	10.00	819	11.10	843	12.20	868	13.30	917	15.60	970	18.10
28000	711	995	1357	764	8.27	791	9.38	814	10.50	837	11.60	861	12.70	883	13.90	906	15.00	951	17.50	998	20.00
30000	762	1066	1454	811	9.83	837	11.00	859	12.20	881	13.40	903	14.60	924	15.80	945	17.00	987	19.60	1030	22.20
32000	813	1138	1551	859	11.60	883	12.80	905	14.10	926	15.40	946	16.70	967	18.00	987	19.20	1026	21.80	1065	24.60

33 AD BLOWER

OUTLET AREA: 11.39 SQ. FT.

CFM	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
14000	356	498	679	484	1.77	528	2.36	570	2.94	613	3.58	655	4.29	693	4.98	733	5.78				
16000	406	569	776	528	2.23	567	2.87	606	3.58	643	4.22	682	4.95	718	5.72	754	6.52	822	8.20	892	10.10
18000	457	640	873	575	2.80	611	3.53	645	4.25	680	5.05	712	5.75	747	6.56	780	7.39	844	9.18	905	11.00
20000	508	711	969	624	3.47	657	4.27	689	5.11	719	5.88	751	6.80	779	7.56	810	8.41	870	10.30	929	12.30
22000	559	782	1066	674	4.29	703	5.12	733	5.98	762	6.93	789	7.78	819	8.80	845	9.66	900	11.50	955	13.50
24000	609	853	1163	724	5.19	752	6.11	780	7.09	806	8.00	833	9.04	857	9.95	884	11.10	933	13.00	984	15.10
26000	660	924	1260	774	6.21	802	7.27	826	8.24	852	9.30	876	10.30	901	11.50	923	12.40	973	14.80	1017	16.80
28000	711	995	1357	825	7.41	852	8.58	875	9.61	898	10.70	922	11.80	945	12.90	968	14.20	1011	16.40	1056	18.90
30000	762	1066	1454	876	8.78	901	9.97	925	11.20	946	12.30	969	13.50	990	14.70	1011	15.90	1053	18.30	1095	20.90
32000	813	1138	1551	928	10.30	951	11.50	975	12.90	996	14.10	1015	15.30	1037	16.60	1057	17.80	1097	20.60	1134	23.00

MEDIUM PRESSURE

30 BI BLOWER

OUTLET AREA: 9.43 SQ. FT.

CFM	COIL VELOCITY			3.00 SP		3.25 SP		3.50 SP		3.75 SP		4.00 SP		4.25 SP		4.50 SP		5.00 SP		5.50 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
16000	406	569	776	972	10.60	1004	11.40	1036	12.30	1069	13.40	1101	14.40								
17500	444	622	848	995	11.70	1024	12.60	1053	13.50	1082	14.40	1111	15.40	1141	16.40	1171	17.50				
19000	482	675	921	1022	12.80	1049	13.80	1076	14.80	1103	15.80	1130	16.80	1157	17.80	1184	18.80	1238	20.90	1293	23.40
20500	521	729	994	1055	14.20	1079	15.10	1104	16.10	1129	17.20	1154	18.30	1179	19.40	1204	20.50	1253	22.60	1303	24.70
22000	559	782	1066	1092	15.70	1114	16.70	1137	17.70	1159	18.70	1182	19.80	1205	20.90	1228	22.10	1275	24.50	1321	26.70
23500	597	835	1139	1130	17.40	1152	18.40	1173	19.50	1194	20.60	1215	21.60	1236	22.70	1257	23.80	1300	26.30	1344	28.80
25000	635	889	1212	1170	19.20	1190	20.30	1211	21.40	1231	22.50	1251	23.60	1271	24.80	1290	25.90	1329	28.20	1370	30.80
26500	673	942	1285	1210	21.10	1230	22.30	1250	23.40	1269	24.60	1289	25.80	1308	27.00	1326	28.20	1363	30.60	1400	33.00
28000	711	995	1357	1252	23.30	1271	24.40	1290	25.60	1309	26.90	1327	28.10	1346	29.40	1364	30.60	1400	33.10	1435	35.70
29500	749	1049	1430	1296	25.60	1313	26.80	1331	28.10	1349	29.30	1367	30.60	1385	31.90	1403	33.20	1437	35.80	1471	38.50

30 AD BLOWER

OUTLET AREA: 9.43 SQ. FT.

CFM	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
16000	406	569	776	1017	10.00	1048	10.90	1079	11.70	1111	12.60	1143	13.60	1175	14.50						
17500	444	622	848	1046	11.10	1074	12.00	1103	12.80	1131	13.70	1159	14.60	1188	15.60	1217	16.60	1275	18.60		
19000	482	675	921	1080	12.30	1106	13.20	1132	14.10	1158	15.00	1184	15.90	1210	16.90	1236	17.90	1288	19.90	1342	22.10
20500	521	729	994	1116	13.60	1141	14.50	1166	15.50	1190	16.40	1214	17.40	1238	18.40	1262	19.40	1311	21.50	1359	23.60
22000	559	782	1066	1155	15.00	1179	16.00	1202	17.00	1225	18.00	1248	19.00	1271	20.00	1293	21.10	1338	23.20	1383	25.40
23500	597	835	1139	1196	16.60	1219	17.60	1241	18.70	1263	19.70	1285	20.70	1306	21.80	1328	22.90	1370	25.10	1412	27.30
25000	635	889	1212	1238	18.30	1260	19.40	1281	20.50	1302	21.50	1323	22.60	1344	23.70	1364	24.80	1405	27.10	1445	29.50
26500	673	942	1285	1282	20.10	1303	21.30	1323	22.40	1343	23.50	1364	24.70	1383	25.80	1403	27.00	1442	29.30	1480	31.70
28000	711	995	1357	1327	22.10	1347	23.30	1367	24.50	1386	25.70	1405	26.90	1424	28.10	1443	29.30	1481	31.70	1518	34.20
29500	749	1049	1430	1372	24.20	1392	25.40	1411	26.70	1430	27.90	1448	29.20	1467	30.50	1485	31.70	1521	34.30	1557	36.80

HIGH PRESSURE

27 AD BLOWER

OUTLET AREA: 7.60 SQ. FT.

CFM	COIL VELOCITY			5.00 SP		5.50 SP		6.00 SP		6.50 SP		7.00 SP		7.50 SP		8.00 SP		9.00 SP		10.00 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
16000	406	569	776	1425	16.40	1481	18.20	1538	20.00	1595	21.90										
17500	444	622	848	1459	18.00	1510	19.80	1560	21.60	1611	23.50	1663	25.40	1716	27.50						
19000	482	675	921	1496	19.60	1545	21.50	1594	23.50	1641	25.40	1687	27.30	1734	29.30	1782	31.50	1878	35.90		
20500	521	729	994	1538	21.50	1584	23.40	1630	25.40	1676	27.50	1721	29.50	1764	31.60	1808	33.70	1894	38.10	1984	42.80
22000	559	782	1066	1585	23.50	1628	25.50	1672	27.50	1714	29.60	1757	31.80	1800	34.00	1842	36.20	1923	40.70	2003	45.30
23500	597	835	1139	1632	25.60	1675	27.70	1717	29.90	1758	32.00	1798	34.20	1838	36.50	1878	38.80	1957	43.50	2033	48.30
25000	635	889	1212	1683	28.10	1723	30.20	1764	32.40	1804	34.60	1843	36.90	1881	39.20	1918	41.60	1994	46.40	2069	51.50
26500	673	942	1285	1740	30.80	1776	32.90	1813	35.10	1851	37.40	1889	39.80	1927	42.20	1963	44.60	2034	49.50	2106	54.70
28000	711	995	1357	1799	33.80	1833	36.00	1867	38.20	1901	40.50	1937	42.90	1973	45.40	2010	47.90	2079	53.00	2146	58.20
29500	749	1049	1430	1861	37.00	1893	39.30	1924	41.60	1956	43.90	1989	46.30	2023	48.80	2057	51.40	2126	56.70	2191	62.00

PERFORMANCE

IMPERIAL DATA

LOW PRESSURE

36 BI BLOWER

OUTLET AREA: 13.93 SQ. FT.

CFM	COIL VELOCITY			0.50 SP		0.75 SP		1.00 SP		1.25 SP		1.50 SP		1.75 SP		2.00 SP		2.50 SP		3.00 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
16000	327	443	627	393	2.04	439	2.77	481	3.56	525	4.47	566	5.42	607	6.46	646	7.56				
18500	378	512	725	429	2.63	467	3.42	507	4.28	544	5.16	581	6.17	619	7.25	654	8.35	724	10.80		
21000	430	581	824	468	3.36	501	4.21	534	5.13	570	6.10	603	7.10	635	8.17	669	9.36	733	11.80	795	14.50
23500	481	650	922	508	4.23	538	5.18	568	6.15	598	7.18	629	8.26	660	9.37	689	10.50	748	13.10	806	15.80
26000	532	720	1020	549	5.27	577	6.31	604	7.35	631	8.45	658	9.58	686	10.80	715	12.00	767	14.50	821	17.40
28500	583	789	1118	592	6.48	617	7.61	643	8.76	667	9.90	692	11.10	716	12.40	741	13.60	794	16.30	841	19.10
31000	634	858	1216	634	7.89	659	9.12	682	10.40	705	11.60	728	12.90	750	14.20	773	15.50	819	18.30	867	21.30
33500	685	927	1314	677	9.52	701	10.80	722	12.20	744	13.50	765	14.90	786	16.20	807	17.60	849	20.60	893	23.60
36000	736	996	1412	720	11.40	743	12.80	764	14.20	784	15.70	804	17.10	824	18.50	843	20.00	882	23.10	921	26.20
38500	788	1066	1510	764	13.50	786	15.00	806	16.50	825	18.00	844	19.60	863	21.10	881	22.70	917	25.80	953	29.20

36 AD BLOWER

OUTLET AREA: 13.92 SQ. FT.

CFM	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
16000	327	443	627	418	1.91	461	2.58	503	3.30	543	4.08	581	4.87	619	5.77	658	6.75				
18500	378	512	725	459	2.45	497	3.22	532	3.98	569	4.80	604	5.66	639	6.59	671	7.51	737	9.64		
21000	430	581	824	502	3.11	536	3.98	568	4.84	599	5.70	631	6.59	664	7.56	694	8.56	753	10.70	811	13.00
23500	481	650	922	545	3.88	576	4.80	606	5.78	636	6.78	664	7.76	691	8.70	721	9.76	776	12.00	830	14.30
26000	532	720	1020	591	4.83	619	5.83	646	6.85	673	7.93	700	9.03	726	10.20	750	11.20	803	13.50	853	15.90
28500	583	789	1118	637	5.91	663	6.98	689	8.14	714	9.28	738	10.40	762	11.60	786	12.90	832	15.20	880	17.70
31000	634	858	1216	683	7.10	709	8.36	731	9.54	755	10.80	778	12.10	800	13.30	822	14.50	866	17.30	908	19.70
33500	685	927	1314	730	8.52	755	9.92	776	11.20	798	12.50	819	13.80	841	15.20	861	16.60	903	19.40	942	22.20
36000	736	996	1412	777	10.20	801	11.60	822	13.00	841	14.40	863	15.90	882	17.20	902	18.70	939	21.60	979	24.80
38500	788	1066	1510	825	12.00	847	13.50	868	15.10	887	16.50	905	18.00	925	19.60	943	21.00	981	24.40	1014	27.30

MEDIUM PRESSURE

33 BI BLOWER

OUTLET AREA: 11.39 SQ. FT.

CFM	COIL VELOCITY			3.00 SP		3.25 SP		3.50 SP		3.75 SP		4.00 SP		4.25 SP		4.50 SP		5.00 SP		5.50 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
18000	368	498	706	879	12.10	912	13.30	944	14.50	976	15.80										
20000	409	554	784	894	13.30	924	14.50	953	15.70	982	16.90	1012	18.20	1041	19.60	1069	20.90				
22000	450	609	863	911	14.50	940	15.70	969	17.00	996	18.30	1023	19.60	1050	20.90	1077	22.30	1130	25.20	1182	28.20
24000	491	664	941	935	16.00	960	17.20	986	18.40	1013	19.80	1039	21.20	1066	22.60	1091	24.00	1140	26.80	1189	29.80
26000	532	720	1020	963	17.70	988	19.00	1011	20.20	1034	21.50	1058	22.80	1083	24.30	1107	25.70	1155	28.80	1202	31.80
28000	573	775	1098	991	19.60	1015	20.90	1039	22.30	1062	23.60	1084	24.90	1105	26.30	1127	27.70	1172	30.70	1218	34.00
30000	614	830	1176	1023	21.70	1044	23.10	1067	24.40	1089	25.90	1112	27.30	1133	28.70	1154	30.10	1194	33.00	1236	36.20
32000	655	886	1255	1058	24.10	1078	25.50	1098	26.90	1118	28.30	1139	29.80	1161	31.30	1182	32.80	1222	35.80	1260	38.90
34000	696	941	1333	1096	26.60	1114	28.10	1133	29.60	1151	31.00	1170	32.50	1189	34.00	1209	35.60	1249	38.80	1288	42.10
36000	736	996	1412	1135	29.40	1152	30.90	1170	32.40	1187	34.00	1205	35.60	1222	37.10	1240	38.70	1277	42.00	1315	45.40

33 AD BLOWER

OUTLET AREA: 11.39 SQ. FT.

CFM	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
18000	368	498	706	901	10.90	932	11.90	962	13.00	994	14.10	1025	15.20								
20000	409	554	784	924	12.10	952	13.10	979	14.10	1006	15.10	1034	16.30	1061	17.50	1089	18.70	1145	21.20		
22000	450	609	863	950	13.40	976	14.40	1003	15.50	1029	16.60	1054	17.70	1078	18.80	1103	20.00	1153	22.50	1204	25.20
24000	491	664	941	979	14.80	1005	15.90	1030	17.00	1053	18.20	1078	19.40	1102	20.60	1126	21.80	1171	24.10	1217	26.70
26000	532	720	1020	1011	16.50	1034	17.60	1058	18.80	1083	20.00	1106	21.20	1128	22.30	1150	23.60	1195	26.20	1238	28.80
28000	573	775	1098	1050	18.60	1070	19.70	1091	20.70	1112	21.90	1134	23.10	1157	24.40	1179	25.70	1220	28.30	1262	31.00
30000	614	830	1176	1088	20.40	1109	21.80	1129	23.10	1148	24.30	1167	25.40	1187	26.60	1208	27.90	1250	30.70	1289	33.50
32000	655	886	1255	1127	22.50	1147	23.80	1168	25.30	1187	26.80	1206	28.20	1224	29.40	1242	30.60	1279	33.20	1318	36.10
34000	696	941	1333	1171	25.10	1188	26.40	1205	27.60	1225	29.10	1244	30.70	1262	32.30	1280	33.70	1314	36.30	1349	39.00
36000	736	996	1412	1214	27.40	1232	29.10	1249	30.50	1265	31.80	1282	33.20	1300	34.90	1318	36.60	1352	39.80	1384	42.50

HIGH PRESSURE

30 AD BLOWER

OUTLET AREA: 9.43 SQ. FT.

CFM	COIL VELOCITY			5.00 SP		5.50 SP		6.00 SP		6.50 SP		7.00 SP		7.50 SP		8.00 SP		9.00 SP		10.00 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
20000	409	554	784	1298	20.70	1348	22.80	1399	25.10	1450	27.50										
22000	450	609	863	1333	23.00	1378	25.10	1423	27.40	1468	29.70	1514	32.10	1561	34.60	1607	37.30				
24000	491	664	941	1376	25.50	1417	27.70	1459	30.00	1500	32.40	1541	34.80	1582	37.30	1624	39.90	1709	45.40		
26000	532	720	1020	1423	28.20	1462	30.60	1501	33.00	1539	35.50	1577	38.00	1615	40.50	1653	43.10	1729	48.50	1807	54.30
28000	573	775	1098	1474	31.30	1511	33.70	1547	36.20	1583	38.80	1619	41.40	1655	44.10	1690	46.80	1761	52.30	1831	58.00
30000	614	830	1176	1527	34.60	1563	37.20	1597	39.80	1632	42.50	1666	45.20	1699	48.00	1732	50.80	1799	56.50	1865	62.30
32000	655	886	1255	1583	38.20	1617	41.00	1650	43.70	1683	46.50	1715	49.30	1747	52.10	1779	55.00	1842	61.00	1904	67.10
34000	696	941	1333	1640	42.10	1673	45.00	1705	48.00	1736	50.90	1767	53.80	1798	56.70	1828	59.70	1888	65.80	1947	72.10
36000	736	996	1412	1699	46.30	1730	49.40	1761	52.40	1791	55.50	1821	58.60	1851	61.70	1880	64.80	1938	71.10	1994	77.60

IMPERIAL DATA

PERFORMANCE

LOW PRESSURE

40 BI BLOWER

OUTLET AREA: 16.93 SQ. FT.

CFM	COIL VELOCITY			0.50 SP		0.75 SP		1.00 SP		1.25 SP		1.50 SP		1.75 SP		2.00 SP		2.50 SP		3.00 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
24000	389	505	842	406	3.61	438	4.61	471	5.68	505	6.82	535	8.00	568	9.34	599	10.70	659	13.70	718	17.00
26500	429	558	930	435	4.39	465	5.46	494	6.60	524	7.80	554	9.06	582	10.30	611	11.80	668	14.80	723	18.10
29000	470	611	1018	465	5.30	493	6.46	519	7.66	546	8.92	574	10.20	602	11.60	628	13.00	680	16.10	732	19.50
31500	510	663	1105	496	6.34	522	7.60	546	8.86	571	10.20	595	11.60	621	13.00	647	14.50	695	17.50	744	21.00
34000	551	716	1193	528	7.52	551	8.88	575	10.20	597	11.60	620	13.10	643	14.60	667	16.10	714	19.30	758	22.70
36500	591	768	1281	559	8.86	582	10.30	604	11.80	625	13.20	646	14.70	667	16.30	689	17.90	733	21.30	776	24.70
39000	632	821	1368	591	10.40	613	11.90	634	13.50	654	15.10	674	16.60	694	18.20	713	19.90	753	23.40	796	27.00
41500	672	874	1456	623	12.10	645	13.70	664	15.40	683	17.00	702	18.70	721	20.40	739	22.10	777	25.70	815	29.40
44000	713	926	1544	655	14.00	676	15.70	695	17.40	713	19.20	731	21.00	749	22.70	767	24.50	802	28.30	837	32.10
46500	753	979	1632	688	16.00	708	17.90	727	19.70	744	21.60	761	23.40	778	25.30	795	27.20	828	31.00	861	35.00

40 AD BLOWER

OUTLET AREA: 16.93 SQ. FT.

CFM	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
24000	389	505	842	435	3.35	467	4.31	498	5.37	528	6.32	560	7.42	589	8.55	619	9.76	674	12.20	731	15.10
26500	429	558	930	467	4.05	497	5.13	525	6.19	554	7.36	581	8.40	610	9.60	636	10.80	690	13.50	739	16.20
29000	470	611	1018	500	4.85	528	6.00	555	7.21	581	8.40	606	9.66	631	10.80	657	12.10	707	14.80	755	17.70
31500	510	663	1105	534	5.81	560	7.03	584	8.27	609	9.56	633	10.90	657	12.30	679	13.50	727	16.30	772	19.20
34000	551	716	1193	569	6.87	592	8.14	616	9.51	639	10.90	660	12.20	684	13.70	706	15.20	748	17.90	792	21.00
36500	591	768	1281	603	8.01	626	9.45	648	10.90	669	12.30	691	13.10	711	15.20	733	16.90	772	19.90	812	22.90
39000	632	821	1368	637	9.32	660	10.90	680	12.40	701	14.00	721	15.50	742	17.20	759	18.60	800	22.10	836	25.20
41500	672	874	1456	672	10.80	695	12.50	714	14.10	733	15.70	753	17.40	771	19.00	790	20.90	826	24.10	863	27.80
44000	713	926	1544	708	12.50	729	14.20	748	16.00	765	17.60	785	19.40	802	21.10	820	22.90	854	26.40	890	30.30
46500	753	979	1632	743	14.30	763	16.10	783	18.10	799	19.80	816	21.50	835	23.50	851	25.20	885	29.30	916	32.80

MEDIUM PRESSURE

36 BI BLOWER

OUTLET AREA: 13.92 SQ. FT.

CFM	COIL VELOCITY			3.00 SP		3.25 SP		3.50 SP		3.75 SP		4.00 SP		4.25 SP		4.50 SP		5.00 SP		5.50 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
24000	389	505	842	804	15.90	831	17.30	858	18.80	886	20.30	912	21.90	939	23.60	965	25.20				
26500	429	558	930	819	17.40	846	18.90	872	20.50	897	22.00	922	23.60	946	25.20	971	26.90	1019	30.40	1067	34.10
29000	470	611	1018	840	19.20	863	20.60	888	22.20	912	23.80	936	25.50	960	27.20	982	28.90	1028	32.40	1072	36.10
31500	510	663	1105	866	21.30	888	22.80	910	24.30	931	25.80	953	27.50	975	29.30	997	31.10	1041	34.80	1083	38.40
34000	551	716	1193	891	23.60	913	25.20	935	26.80	956	28.40	976	30.00	995	31.70	1015	33.40	1056	37.20	1098	41.10
36500	591	768	1281	920	26.20	940	27.80	960	29.50	981	31.20	1001	33.00	1021	34.70	1039	36.40	1076	40.00	1114	43.90
39000	632	821	1368	952	29.10	970	30.80	989	32.50	1007	34.20	1026	36.00	1046	37.90	1065	39.70	1101	43.40	1135	47.10
41500	672	874	1456	987	32.20	1004	34.00	1020	35.80	1037	37.60	1054	39.40	1072	41.30	1090	43.20	1126	47.10	1161	51.00
44000	713	926	1544	1023	35.60	1039	37.40	1054	39.30	1070	41.20	1086	43.10	1102	45.10	1118	47.00	1151	51.00	1186	55.10
46500	753	979	1632	1060	39.50	1075	41.30	1090	43.20	1105	45.10	1120	47.10	1135	49.20	1150	51.20	1180	55.30	1211	59.40

36 AD BLOWER

OUTLET AREA: 13.92 SQ. FT.

CFM	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
24000	389	505	842	830	14.50	855	15.60	880	16.90	906	18.20	931	19.60	957	21.10	983	22.50				
26500	429	558	930	853	16.00	878	17.30	902	18.60	925	19.90	948	21.20	970	22.60	993	24.10	1039	27.20	1086	30.40
29000	470	611	1018	880	17.80	904	19.10	926	20.50	947	21.80	970	23.30	992	24.80	1013	26.20	1054	29.10	1096	32.30
31500	510	663	1105	909	19.80	930	21.10	952	22.60	974	24.00	995	25.50	1015	26.90	1035	28.50	1077	31.70	1115	34.70
34000	551	716	1193	944	22.40	962	23.70	981	25.00	1001	26.40	1021	27.90	1042	29.40	1062	31.00	1099	34.20	1137	37.50
36500	591	768	1281	979	24.70	998	26.30	1016	27.90	1034	29.30	1051	30.70	1069	32.20	1088	33.80	1126	37.10	1162	40.50
39000	632	821	1368	1015	27.20	1033	28.80	1051	30.60	1069	32.40	1086	34.10	1102	35.50	1119	37.00	1153	40.30	1188	43.80
41500	672	874	1456	1055	30.40	1071	31.90	1086	33.40	1104	35.20	1121	37.20	1138	39.10	1154	40.90	1184	44.00	1216	47.40
44000	713	926	1544	1094	33.20	1111	35.20	1127	37.10	1141	38.60	1156	40.30	1172	42.30	1189	44.40	1220	48.30	1249	51.60
46500	753	979	1632	1135	36.60	1150	38.40	1166	40.50	1181	42.60	1195	44.40	1209	46.00	1224	47.80	1255	52.10	1284	56.30

HIGH PRESSURE

33 AD BLOWER

OUTLET AREA: 11.39 SQ. FT.

CFM	COIL VELOCITY			5.00 SP		5.50 SP		6.00 SP		6.50 SP		7.00 SP		7.50 SP		8.00 SP		9.00 SP		10.00 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
24000	389	505	842	1169	24.00	1214	26.60	1260	29.40	1307	32.30	1354	35.30								
26500	429	558	930	1199	26.60	1242	29.20	1283	31.80	1324	34.60	1365	37.60	1407	40.70	1449	44.00				
29000	470	611	1018	1233	29.30	1272	32.00	1313	34.90	1353	37.80	1390	40.60	1427	43.50	1465	46.70	1541	53.50	1619	60.70
31500	510	663	1105	1268	32.30	1308	35.20	1346	38.10	1382	41.00	1420	44.20	1457	47.40	1492	50.50	1560	56.80	1631	63.90
34000	551	716	1193	1310	36.00	1345	38.70	1381	41.70	1419	44.90	1454	48.00	1487	51.10	1522	54.50	1590	61.40	1654	68.00
36500	591	768	1281	1358	40.20	1390	43.10	1422	45.90	1455	48.90	1489	52.20	1524	55.60	1556	58.90	1619	65.80	1684	73.20
39000	632	821	1368	1405	43.90	1438	47.60	1469	51.00	1498	53.90	1528	56.90	1559	60.20	1591	63.70	1655	70.90	1714	78.20
41500	672	874	1456	1455	48.40	1485	51.70	1517	55.60	1546	59.30	1575	62.70	1602	65.80	1631	69.10	1690	76.30	1750	84.00
44000	713	926	1544	1510	53.60	1537	56.90	1563	60.20	1593	64.20	1622	68.30	1650	72.20	1676	75.60	1729	82.40	1785	90.00
46500	753	979	1632	1562	58.30	1590	62.50	1617	66.30	1642	69.60	1669	73.50	1697	77.90	1724	82.20	1775	89.70	1825	96.90

PERFORMANCE

IMPERIAL DATA

LOW PRESSURE

44 BI BLOWER

OUTLET AREA: 20.66 SQ. FT.

CFM	COIL VELOCITY			0.50 SP		0.75 SP		1.00 SP		1.25 SP		1.50 SP		1.75 SP		2.00 SP		2.50 SP		3.00 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
29000	395	502	789	364	4.32	394	5.53	424	6.83	454	8.21	483	9.66	512	11.30	541	13.00	596	16.60	649	20.60
32000	435	554	871	390	5.24	417	6.53	444	7.92	472	9.37	499	10.90	525	12.40	551	14.20	603	17.90	653	21.90
35000	476	606	952	417	6.30	442	7.71	466	9.16	491	10.70	516	12.30	542	14.00	565	15.60	614	19.50	661	23.60
38000	517	658	1034	444	7.53	468	9.05	490	10.60	512	12.20	535	13.90	559	15.60	583	17.40	626	21.10	671	25.40
41000	558	710	1116	472	8.91	494	10.50	515	12.20	536	13.90	557	15.60	578	17.40	600	19.30	643	23.20	683	27.30
44000	599	762	1197	500	10.50	521	12.20	541	14.00	561	15.80	580	17.60	599	19.50	619	21.40	660	25.50	699	29.70
47000	639	814	1279	528	12.30	548	14.10	567	16.00	586	17.90	604	19.80	622	21.80	640	23.80	677	28.00	716	32.40
50000	680	866	1361	557	14.20	576	16.20	594	18.20	612	20.20	629	22.20	646	24.20	663	26.40	697	30.70	733	35.30
53000	721	918	1442	585	16.50	605	18.50	622	20.70	638	22.80	655	24.90	671	27.00	687	29.20	719	33.70	752	38.40
56000	762	970	1524	614	18.90	632	21.10	649	23.30	665	25.60	681	27.80	697	30.10	712	32.30	742	36.90	773	41.80

44 AD BLOWER

OUTLET AREA: 20.66 SQ. FT.

CFM	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
29000	395	502	789	390	4.01	419	5.16	448	6.45	476	7.61	504	8.94	531	10.30	558	11.80	609	14.80	661	18.40
32000	435	554	871	419	4.83	446	6.15	472	7.44	498	8.82	523	10.10	549	11.60	573	13.00	622	16.20	667	19.60
35000	476	606	952	448	5.77	473	7.15	498	8.61	522	10.10	545	11.60	567	13.00	591	14.50	637	17.80	681	21.30
38000	517	658	1034	478	6.90	502	8.39	524	9.89	546	11.40	569	13.10	590	14.70	611	16.20	655	19.60	696	23.20
41000	558	710	1116	509	8.16	530	9.68	552	11.30	573	13.10	592	14.60	614	16.50	634	18.20	673	21.50	713	25.30
44000	599	762	1197	539	9.50	560	11.20	580	13.00	600	14.60	620	16.60	638	18.20	658	20.20	694	23.80	731	27.60
47000	639	814	1279	569	11.00	590	12.90	608	14.70	628	16.60	646	18.50	665	20.50	681	22.20	718	26.50	751	30.10
50000	680	866	1361	601	12.80	621	14.90	638	16.70	656	18.70	674	20.60	691	22.70	708	24.80	742	28.90	774	33.30
53000	721	918	1442	632	14.70	651	16.80	669	18.90	685	20.90	703	23.10	718	25.10	735	27.40	765	31.50	799	36.30
56000	762	970	1524	664	16.90	681	19.00	699	21.40	715	23.40	730	25.60	747	27.90	762	30.00	793	34.80	822	39.20

MEDIUM PRESSURE

40 BI BLOWER

OUTLET AREA: 16.93 SQ. FT.

CFM	COIL VELOCITY			3.00 SP		3.25 SP		3.50 SP		3.75 SP		4.00 SP		4.25 SP		4.50 SP		5.00 SP		5.50 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
29000	395	502	789	728	19.20	753	21.00	778	22.70	803	24.60	827	26.60	851	28.60	875	30.60	924	36.80	967	41.30
32000	435	554	871	742	21.00	766	22.90	790	24.70	813	26.60	835	28.50	857	30.40	880	32.50	890	34.90	931	39.10
35000	476	606	952	760	23.10	781	24.80	804	26.80	826	28.80	848	30.80	869	32.90	890	34.90	931	39.10	972	43.60
38000	517	658	1034	783	25.70	803	27.40	823	29.30	842	31.10	862	33.20	883	35.30	903	37.50	943	42.00	981	46.40
41000	558	710	1116	805	28.40	826	30.30	846	32.30	864	34.20	882	36.20	900	38.20	918	40.30	956	44.90	994	49.70
44000	599	762	1197	831	31.40	849	33.40	868	35.40	887	37.50	905	39.60	923	41.70	939	43.80	973	48.10	1008	52.90
47000	639	814	1279	859	34.80	876	36.90	893	39.00	910	41.10	927	43.30	945	45.50	963	47.70	995	52.20	1026	56.70
50000	680	866	1361	890	38.50	905	40.70	921	42.90	936	45.00	952	47.30	968	49.50	985	51.80	1018	56.60	1049	61.30
53000	721	918	1442	922	42.60	936	44.80	951	47.10	965	49.40	980	51.70	995	54.00	1010	56.30	1040	61.20	1072	66.20
56000	762	970	1524	955	47.10	969	49.30	982	51.60	996	54.00	1010	56.40	1024	58.90	1037	61.30	1065	66.20	1094	71.30

40 AD BLOWER

OUTLET AREA: 16.93 SQ. FT.

CFM	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
29000	395	502	789	752	17.50	774	18.90	797	20.40	820	22.00	844	23.70	867	25.50	891	27.30	942	32.90	985	36.90
32000	435	554	871	772	19.30	794	20.90	817	22.50	838	24.10	858	25.70	879	27.30	900	29.10	942	32.90	985	36.90
35000	476	606	952	796	21.40	817	23.10	837	24.70	857	26.30	878	28.10	898	29.90	917	31.60	955	35.10	993	39.00
38000	517	658	1034	821	23.80	841	25.40	861	27.20	881	28.90	900	30.70	918	32.40	937	34.30	974	38.20	1009	41.90
41000	558	710	1116	852	26.80	869	28.40	887	30.00	904	31.70	923	33.60	942	35.50	960	37.40	994	41.20	1029	45.30
44000	599	762	1197	884	29.60	901	31.70	917	33.50	933	35.10	949	36.80	966	38.70	983	40.60	1018	44.70	1050	48.70
47000	639	814	1279	915	32.60	932	34.60	949	36.80	965	38.90	980	40.80	995	42.60	1010	44.40	1041	48.40	1074	52.70
50000	680	866	1361	951	36.40	965	38.20	980	40.10	996	42.30	1012	44.70	1027	46.90	1041	49.00	1069	52.70	1098	56.90
53000	721	918	1442	986	39.80	1001	42.20	1015	44.30	1029	46.20	1043	48.30	1058	50.80	1073	53.30	1101	57.90	1127	61.80
56000	762	970	1524	1022	43.70	1036	46.00	1051	48.50	1065	51.00	1077	53.00	1090	55.00	1104	57.40	1132	62.60	1159	67.50

HIGH PRESSURE

36 AD BLOWER

OUTLET AREA: 13.92 SQ. FT.

CFM	COIL VELOCITY			5.00 SP		5.50 SP		6.00 SP		6.50 SP		7.00 SP		7.50 SP		8.00 SP		9.00 SP		10.00 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
29000	395	502	789	1054	29.00	1096	32.20	1138	35.60	1181	39.20	1223	42.80								
32000	435	554	871	1080	32.10	1119	35.20	1156	38.40	1194	41.80	1232	45.50	1270	49.40	1310	53.40				
35000	476	606	952	1109	35.20	1145	38.60	1183	42.10	1218	45.60	1253	49.00	1287	52.60	1321	56.50	1392	64.90	1463	73.60
38000	517	658	1034	1140	38.80	1177	42.40	1211	45.80	1245	49.50	1279	53.30	1312	57.10	1344	60.80	1407	68.70	1471	77.40
41000	558	710	1116	1176	43.10	1209	46.50	1243	50.10	1277	54.00	1308	57.70	1339	61.60	1371	65.70	1432	73.90	1490	82.10
44000	599	762	1197	1219	48.20	1248	51.50	1277	54.90	1307	58.70	1339	62.70	1371	66.80	1400	70.80	1458	79.30	1517	88.20
47000	639	814	1279	1260	52.70	1290	57.00	1318	60.80	1345	64.30	1373	68.20	1401	72.20	1431	76.50	1488	85.20	1543	94.10
50000	680	866	1361	1303	57.60	1331	61.90	1360	66.60	1387	71.00	1413	74.80	1438	78.60	1464	82.70	1520	91.60	1574	101.00
53000	721	918	1442	1352	64.00	1376	67.80	1401	72.00	1429	76.90	1455	81.80	1480	86.20	1504	90.20	1553	98.60	1605	108.00
56000	762	970	1524	1398	69.60	1424	74.70	1447	78.80	1471	83.00	1497	88.00	1522	93.30	1546	98.30	1592	107.00	1639	116.00

IMPERIAL DATA

PERFORMANCE

LOW PRESSURE

49 BI BLOWER

OUTLET AREA: 26.49 SQ. FT.

CFM	COIL VELOCITY			0.50 SP		0.75 SP		1.00 SP		1.25 SP		1.50 SP		1.75 SP		2.00 SP		2.50 SP		3.00 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
34000	400	523	756	325	4.99	353	6.45	382	8.01	409	9.63	437	11.40	464	13.40	490	15.40	541	19.80		
37000	435	569	822	345	5.89	370	7.41	396	9.04	423	10.80	447	12.60	472	14.50	498	16.70	546	21.10	592	25.90
40000	471	615	889	364	6.90	388	8.51	411	10.20	436	12.00	461	13.90	483	15.80	506	17.90	553	22.60	597	27.40
43000	506	662	956	385	8.03	407	9.76	429	11.50	451	13.40	474	15.40	497	17.40	518	19.50	561	24.10	603	29.20
46000	541	708	1022	405	9.30	427	11.20	447	13.00	467	15.00	488	17.00	510	19.10	531	21.30	570	25.80	611	31.10
49000	576	754	1089	427	10.70	446	12.70	466	14.60	485	16.70	504	18.80	524	21.00	544	23.30	583	27.90	620	33.00
52000	612	800	1156	448	12.30	467	14.40	485	16.50	503	18.50	521	20.80	539	23.00	558	25.30	596	30.20	631	35.20
55000	647	846	1222	469	14.00	487	16.20	505	18.40	522	20.60	539	22.90	556	25.20	573	27.60	609	32.70	644	37.90
58000	682	892	1289	490	15.90	508	18.20	525	20.50	542	22.90	558	25.20	574	27.60	590	30.20	623	35.30	658	40.80
61000	718	938	1356	512	18.00	529	20.40	545	22.90	561	25.30	577	27.80	592	30.20	607	32.80	638	38.10	671	43.70

49 AD BLOWER

OUTLET AREA: 26.49 SQ. FT.

CFM	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
34000	400	523	756	348	4.64	375	6.05	402	7.48	428	8.94	454	10.50	480	12.20	504	13.90	552	17.70		
37000	435	569	822	369	5.47	395	6.97	420	8.57	443	10.00	468	11.70	492	13.40	515	15.20	559	18.90	604	23.20
40000	471	615	889	391	6.35	415	7.98	438	9.58	461	11.40	483	12.90	506	14.70	528	16.60	571	20.50	611	24.60
43000	506	662	956	413	7.36	436	9.05	458	10.90	479	12.70	500	14.50	520	16.20	542	18.10	583	22.10	622	26.40
46000	541	708	1022	436	8.52	458	10.40	478	12.20	497	14.00	518	16.10	537	18.00	556	19.80	596	24.00	634	28.40
49000	576	754	1089	459	9.82	479	11.70	498	13.60	518	15.70	536	17.60	556	19.90	573	21.80	610	25.90	647	30.40
52000	612	800	1156	482	11.20	501	13.20	520	15.30	538	17.40	556	19.50	574	21.60	592	24.00	625	28.10	661	32.70
55000	647	846	1222	505	12.70	524	14.80	542	17.00	559	19.10	577	21.60	592	23.60	610	26.00	642	30.70	674	35.10
58000	682	892	1289	528	14.30	547	16.70	563	18.90	581	21.20	597	23.50	613	26.10	628	28.10	661	33.40	690	37.90
61000	718	938	1356	552	16.20	570	18.70	586	21.00	602	23.40	618	25.80	633	28.40	649	30.90	679	36.00	708	41.20

MEDIUM PRESSURE

44 BI BLOWER

OUTLET AREA: 20.66 SQ. FT.

CFM	COIL VELOCITY			3.00 SP		3.25 SP		3.50 SP		3.75 SP		4.00 SP		4.25 SP		4.50 SP		5.00 SP		5.50 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
34000	400	523	756	658	23.00	682	25.10	705	27.40	728	29.70	750	32.10	772	34.50						
37000	435	569	822	668	24.90	690	27.00	712	29.20	733	31.50	755	33.90	776	36.40	797	38.90	838	44.10		
40000	471	615	889	679	26.70	701	29.00	722	31.40	742	33.70	763	36.10	782	38.50	802	40.90	841	46.30	880	51.80
43000	506	662	956	694	29.00	713	31.20	733	33.50	753	36.00	773	38.50	792	41.00	811	43.50	847	48.70	884	54.30
46000	541	708	1022	711	31.60	729	33.80	747	36.10	765	38.50	784	41.00	802	43.60	821	46.30	857	51.70	891	57.20
49000	576	754	1089	729	34.50	747	36.80	764	39.10	781	41.50	798	43.90	815	46.40	832	49.10	867	54.80	901	60.50
52000	612	800	1156	746	37.50	764	39.90	782	42.40	799	44.90	815	47.30	831	49.80	846	52.40	879	57.90	912	63.90
55000	647	846	1222	767	40.90	783	43.30	799	45.80	816	48.40	833	51.10	848	53.70	863	56.20	893	61.60	924	67.40
58000	682	892	1289	789	44.50	804	47.00	819	49.60	834	52.20	850	54.90	866	57.70	881	60.50	910	65.90	938	71.50
61000	718	938	1356	812	48.40	826	51.00	840	53.70	854	56.40	868	59.10	883	61.90	898	64.80	928	70.60	956	76.30

44 AD BLOWER

OUTLET AREA: 20.66 SQ. FT.

CFM	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
34000	400	523	756	676	20.70	698	22.50	720	24.50	742	26.50	764	28.60	786	30.80						
37000	435	569	822	692	22.70	712	24.50	732	26.30	752	28.20	772	30.30	792	32.50	812	34.70	853	39.30		
40000	471	615	889	708	24.60	728	26.60	747	28.60	766	30.60	785	32.60	803	34.60	821	36.70	859	41.40	896	46.30
43000	506	662	956	726	26.90	745	28.90	763	30.90	782	33.00	800	35.10	818	37.30	835	39.40	869	43.70	904	48.50
46000	541	708	1022	745	29.30	763	31.40	782	33.50	800	35.60	816	37.70	833	40.00	851	42.30	884	46.90	916	51.40
49000	576	754	1089	768	32.30	784	34.20	800	36.30	817	38.50	835	40.80	851	43.00	867	45.30	899	50.10	931	55.00
52000	612	800	1156	792	35.50	807	37.60	822	39.50	837	41.70	853	43.90	869	46.20	886	48.70	916	53.40	946	58.50
55000	647	846	1222	816	38.50	831	41.00	846	43.40	860	45.40	874	47.50	889	49.80	904	52.20	935	57.20	964	62.30
58000	682	892	1289	840	41.60	855	44.20	870	46.90	884	49.50	898	51.80	911	54.00	925	56.20	953	61.10	982	66.50
61000	718	938	1356	867	45.50	879	47.70	893	50.30	908	53.20	922	56.00	935	58.60	948	61.00	974	65.60	1000	70.80

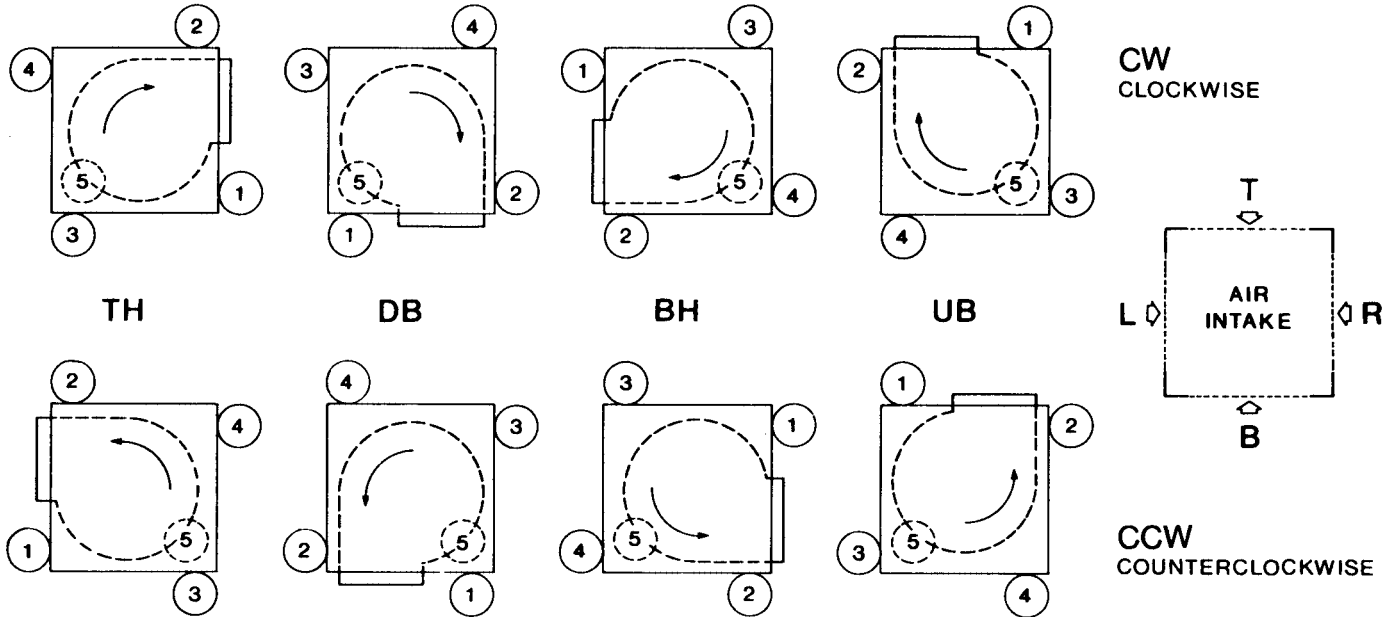
HIGH PRESSURE

40 AD BLOWER

OUTLET AREA: 16.93 SQ. FT.

CFM	COIL VELOCITY			5.00 SP		5.50 SP		6.00 SP		6.50 SP		7.00 SP		7.50 SP		8.00 SP		9.00 SP		10.00 SP	
	A	B	C	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
34000	400	523	756	952	34.50	992	38.50	1032	42.70	1072	47.00										
37000	435	569	822	970	37.40	1006	41.10	1042	45.20	1078	49.50	1115	54.10	1152	58.70						
40000	471	615	889	990	40.50	1026	44.60	1059	48.50	1092	52.50	1125	57.00	1159	61.60	1193	66.50	1262	76.50		
43000	506	662	956	1013	43.90	1046	47.90	1079	52.20	1112	56.60	1143	60.80	1173	65.10	1204	69.90	1267	80.00	1331	90.70
46000	541	708	1022	1037	47.60	1070	51.90	1101	56.10	1132	60.50	1163	65.20	1193	69.80	1222	74.30	1279	83.90	1338	94.60
49000	576	754	1089	1063	51.70	1094	56.00	1125	60.50	1155	65.00	1183	69.50	1213	74.40	1242	79.40	1297	89.10	1351	99.10
52000	612	800	1156	1094	56.70	1121	60.70	1149	65.10	1179	69.80	1209	74.60	1236	79.40	1262	84.30	1318	94.80	1370	105.00
55000	647	846	1222	1126	61.90	1152	66.30	1178	70.40	1204	75.00	1232	79.80	1260	84.90	1287	90.00	1338	100.00	1390	111.00
58000	682	892	1289	1158	66.50	1185	71.90	1210	76.70	1234	81.10	1258	85.70	1284	90.70	1311	95.90	1362	107.00	1410	118.00
61000	718	938	1356	1190	71.60	1216	77.00	1242	82.70	1266	88.00	1289	92.60	1312	97.30	1336	102.00	1386	113.00	1435	125.00

AIR DISCHARGE - MOTOR POSITIONS



CW			MOTOR POSITIONS					CCW		
UNIT	AIR DISCHARGE	AIR INTAKE	1	2	3	4	5	AIR INTAKE	AIR DISCHARGE	UNIT
MVT	TH	T*	•	NA	•	•	•	T*	TH	MVT
		B	•	•	NA	•	•	B		
		L	•	•	•	NA	•	R		
	DB	R*	•	NA	•	•	•	L*	DB	
		L	•	•	NA	•	•	R		
		T	•	•	•	NA	•	T		
	BH	B*	•	NA	•	•	•	B*	BH	
		T	•	•	NA	•	•	T		
		R	•	•	•	NA	•	L		
	UB	L*	•	NA	•	•	•	R*	UB	
		R	•	•	NA	•	•	L		
		B	•	•	•	NA	•	B		
CSAH	TH	B**	•	•	NA	•	•	B**	TH	CSAH
		L	•	•	NA	NA	•	R		
	BH	B**	•	NA	•	•	•	B**	BH	
		R	•	NA	•	NA	•	L		
	UB	B**	•	•	•	NA	•	B**	UB	
		R	•	•	NA	NA	•	L		
MZ	BH	L*	•	NA	•	NA	•	R*	BH	MZ
		R	NA	NA	•	NA	•	L		
		T	NA	NA	NA	•	•	T		

NOTES

- 1) All information is given facing drive side.
- 2) Maximum motor sizes when installed in position ① on 2-blower models are:
5-A: 10 HP
6-C: 10 HP
8-E: 25 HP
10-F: 30 HP
- 3) Motor mounted inside blower section (position ⑤) only on units 9-I to 15-O.

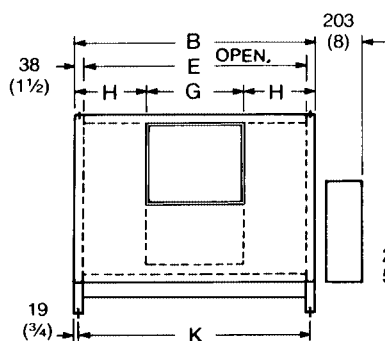
* Plenum spacer required at air intake. Dimensions as per unit selected.

** 90° plenum required at air intake. Dimensions as per unit selected.

Blower identification: **MVT-CW-TH-B-2**

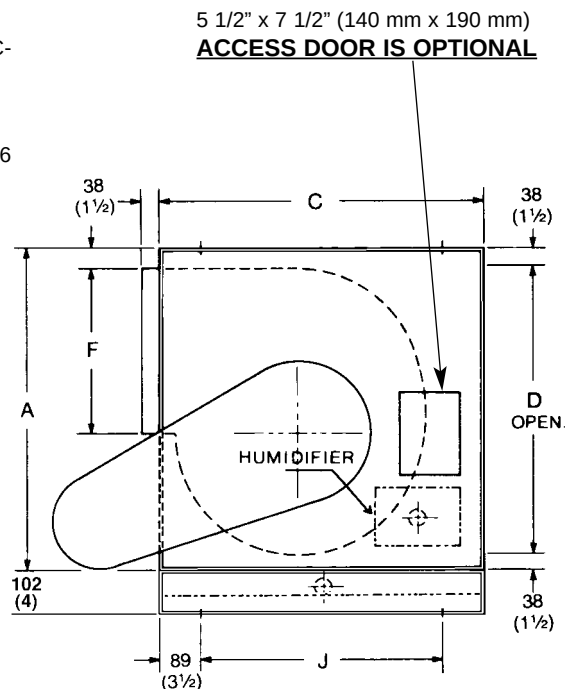
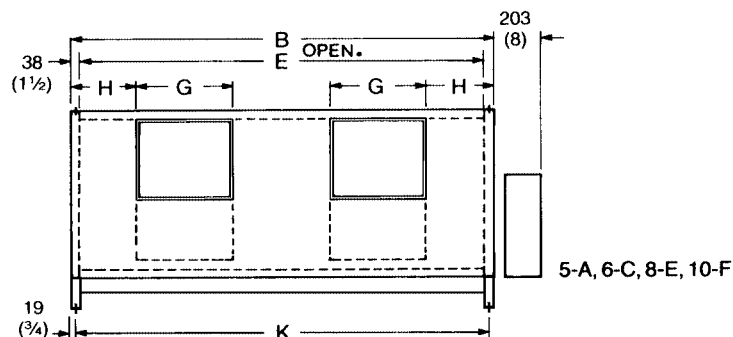
CSAH 2-A TO 10-F

FAN SECTION



NOTE:
 DEPTHS OF HEATING COIL SECTIONS ARE AS FOLLOWS:
 1-2 ROWS: 127 mm (5")
 3-4 ROWS: 203 mm (8")
 COOLING COILS ARE ALWAYS 356 mm (14") DEEP

2-A, 3-A, 4-C, 5-C,
 5-E, 6-F, 7-G, 8-H



IMPERIAL UNITS (in.)†

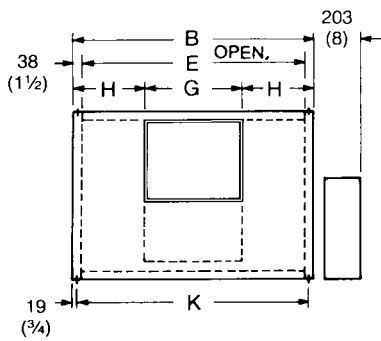
UNIT NO.	PRESSURE	A	B	C	D	E	FC			BI, AS-AD			J	K
							F	G	H	F	G	H		
2-A	LOW	21	27	21	18	24	10.25	11.81	7.60	—	—	—	14	25.50
	MEDIUM	—	—	—	—	—	—	—	—	—	—	—	—	—
	HIGH	—	—	—	—	—	—	—	—	—	—	—	—	—
3-A	LOW	27	39	27	24	36	13.44	15.62	11.69	13.00	17.44	10.78	20	37.50
	MEDIUM	27	39	27	24	36	11.38	13.12	12.94	13.00	17.44	10.78	20	37.50
	HIGH	—	—	—	—	—	—	—	—	—	—	—	—	—
4-C	LOW	33	39	33	30	36	15.88	18.62	8.69	15.88	21.44	8.78	26	37.50
	MEDIUM	33	39	33	30	36	13.44	15.62	11.69	14.31	19.44	9.78	26	37.50
	HIGH	—	—	—	—	—	—	—	—	—	—	—	—	—
5-C	LOW	33	51	33	30	48	15.88	18.62	16.19	15.88	21.44	14.78	26	49.50
	MEDIUM	33	51	33	30	48	13.44	15.62	17.69	15.88	21.44	14.78	26	49.50
	HIGH	—	—	—	—	—	—	—	—	—	—	—	—	—
5-A	LOW	27	69	27	24	66	13.44	15.62	10.19	13.00	17.44	9.28	20	67.50
	MEDIUM	27	69	27	24	66	11.38	13.12	11.44	—	—	—	20	67.50
	HIGH	—	—	—	—	—	—	—	—	—	—	—	—	—
5-E	LOW	39	51	39	36	48	18.88	21.88	14.56	19.38	26.00	12.50	32	49.50
	MEDIUM	39	51	39	36	48	15.88	18.62	16.19	17.44	23.65	13.72	32	49.50
	HIGH	39	51	39	36	48	—	—	—	15.88*	21.44*	14.78*	32	49.50
6-F	LOW	45	57	45	42	54	24.75	24.75	16.13	21.19	28.50	14.25	38	55.50
	MEDIUM	45	57	45	42	54	18.88	21.88	17.56	19.38	26.00	15.50	38	55.50
	HIGH	45	57	45	42	54	—	—	—	17.44*	23.56*	16.72*	38	55.50
6-C	LOW	33	75	33	30	72	15.88	18.62	10.14	15.88	21.44	8.78	26	73.50
	MEDIUM	33	75	33	30	72	13.44	15.62	11.69	14.31	19.44	9.78	26	73.50
	HIGH	—	—	—	—	—	—	—	—	—	—	—	—	—
7-G	LOW	45	69	45	42	66	27.25	27.25	20.88	23.56	31.63	18.69	38	67.50
	MEDIUM	45	69	45	42	66	24.75	24.75	21.13	21.19	28.50	14.25	38	67.50
	HIGH	45	69	45	42	66	—	—	—	19.38*	26.00*	21.50*	38	67.50
8-H	LOW	54	69	54	51	66	31.25	31.25	18.88	25.94	34.81	17.10	47	67.50
	MEDIUM	54	69	54	51	66	24.75	24.75	22.13	23.56	31.63	18.69	47	67.50
	HIGH	54	69	54	51	66	—	—	—	21.19*	28.50*	20.25*	47	67.50
8-E	LOW	39	93	39	36	90	18.88	21.88	13.06	19.38	26.00	11.00	32	91.50
	MEDIUM	39	93	39	36	90	15.88	18.62	14.69	17.44	23.56	12.22	32	91.50
	HIGH	—	—	—	—	—	—	—	—	—	—	—	—	—
10-F	LOW	48	105	48	45	102	24.75	24.75	14.63	21.19	28.50	12.75	41	103.50
	MEDIUM	48	105	48	45	102	18.88	21.88	16.06	19.38	26.00	14.00	41	103.50
	HIGH	—	—	—	—	—	—	—	—	—	—	—	—	—

* BI, high pressure models, not available.

† Dimensions refers to CSAH and MVT.

FAN SECTION

MVT 2-A TO 10-F

**NOTE:**

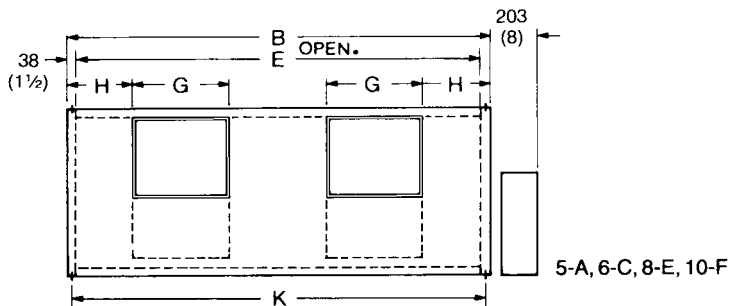
DEPTHS OF HEATING COIL SECTIONS ARE AS FOLLOWS:

1-2 ROWS: 127 mm (5")

3-4 ROWS: 203 mm (8")

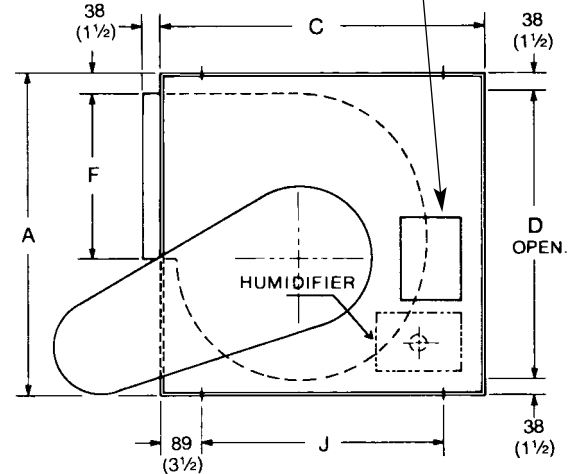
COOLING COILS ARE ALWAYS 356 mm (14") DEEP

2-A, 3-A, 4-C, 5-C,
5-E, 6-F, 7-G, 8-H



5 1/2" x 7 1/2" (140 mm x 190 mm)

ACCESS DOOR IS OPTIONAL

**SI UNITS (mm)†**

UNIT NO.	PRESSURE	A	B	C	D	E	FC			BI, AS-AD			J	K
							F	G	H	F	G	H		
2-A	LOW	533	686	533	457	610	260	300	178	—	—	—	356	648
	MEDIUM	—	—	—	—	—	—	—	—	—	—	—	—	—
	HIGH	—	—	—	—	—	—	—	—	—	—	—	—	—
3-A	LOW	686	991	668	610	914	341	397	297	330	367	274	508	952
	MEDIUM	686	991	668	610	914	289	333	329	330	367	274	508	952
	HIGH	—	—	—	—	—	—	—	—	—	—	—	—	—
4-C	LOW	838	991	838	762	914	403	473	221	403	545	223	660	952
	MEDIUM	838	991	838	762	914	341	397	297	363	494	248	660	952
	HIGH	—	—	—	—	—	—	—	—	—	—	—	—	—
5-C	LOW	838	1295	838	762	1219	403	473	411	403	545	375	660	1257
	MEDIUM	838	1295	838	762	1219	341	397	449	403	545	375	660	1257
	HIGH	—	—	—	—	—	—	—	—	—	—	—	—	—
5-A	LOW	686	1753	686	610	1676	341	556	259	330	443	236	508	1714
	MEDIUM	686	1753	686	610	1676	289	473	291	—	—	—	508	1714
	HIGH	—	—	—	—	—	—	—	—	—	—	—	—	—
5-E	LOW	991	1295	991	914	1219	480	629	370	492	660	318	813	1257
	MEDIUM	991	1295	991	914	1219	403	556	410	443	598	348	813	1257
	HIGH	991	1295	991	914	1219	—	—	—	403	545	375	813	1257
6-F	LOW	1143	1448	1143	1067	1372	629	473	410	538	724	362	965	1410
	MEDIUM	1143	1448	1143	1067	1372	480	397	446	492	660	394	965	1410
	HIGH	1143	1448	1143	1067	1372	—	—	—	443	598	425	965	1410
6-C	LOW	838	1905	838	762	1829	403	622	258	403	545	223	660	1867
	MEDIUM	838	1905	838	762	1829	341	629	297	363	494	248	660	1867
	HIGH	—	—	—	—	—	—	—	—	—	—	—	—	—
7-G	LOW	1143	1753	1143	1076	1676	622	794	530	598	803	475	965	1714
	MEDIUM	1143	1753	1143	1076	1676	629	629	537	538	724	362	965	1714
	HIGH	1143	1753	1143	1076	1676	—	—	—	492	660	546	965	1714
8-H	LOW	1372	1753	1372	1076	1676	794	794	480	659	884	434	1194	1714
	MEDIUM	1372	1753	1372	1076	1676	629	629	562	598	803	475	1194	1714
	HIGH	1372	1753	1372	1076	1676	—	—	—	538	724	514	1194	1714
8-E	LOW	991	2362	991	914	2286	480	556	332	492	660	279	813	2324
	MEDIUM	991	2362	991	914	2286	403	473	373	443	598	310	813	2324
	HIGH	—	—	—	—	—	—	—	—	—	—	—	—	—
10-F	LOW	1219	2667	1219	1143	2591	629	629	372	538	724	324	1041	2629
	MEDIUM	1219	2667	1219	1143	2591	480	556	408	492	660	356	1041	2629
	HIGH	—	—	—	—	—	—	—	—	—	—	—	—	—

* BI, high pressure models, not available.

† Dimensions refers to CSAH and MVT.

FAN SECTION

MVT AND CSAH 9-I TO 15-O

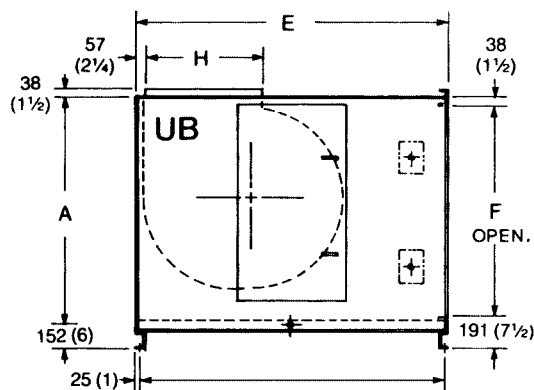
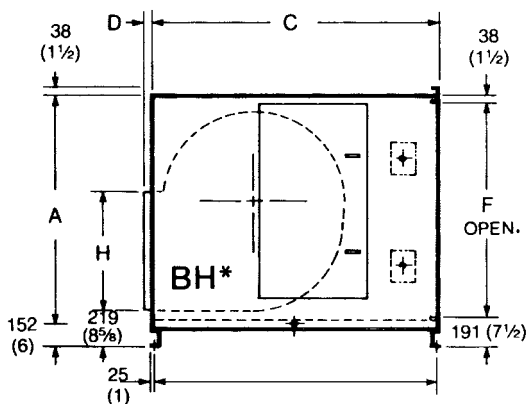
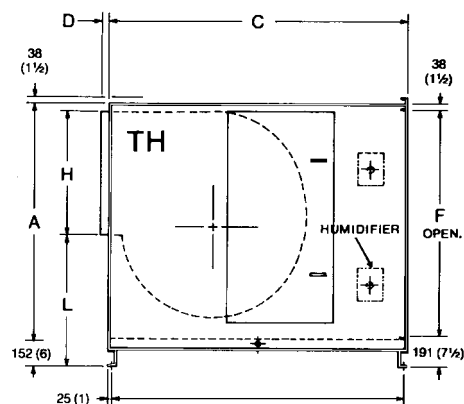
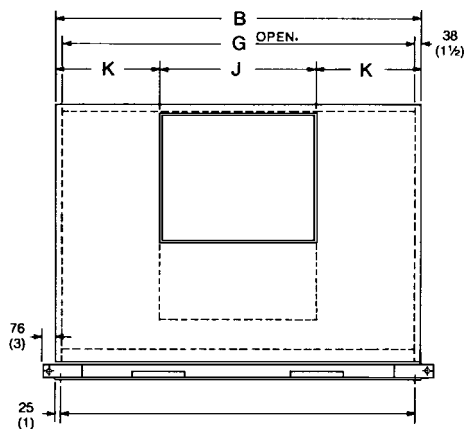
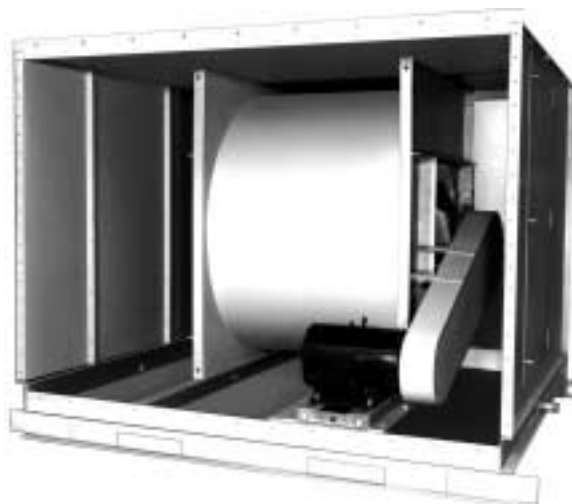
NOTE:

DEPTHS OF HEATING COIL
SECTIONS ARE AS FOLLOWS:

1-2 ROWS: 127mm (5")

3-4 ROWS: 203mm (8")

COOLING COILS ARE ALWAYS
356 mm (14") DEEP.



* BH arr. not available on low pressure 15-O unit.

MVT AND CSAH 9-I TO 15-O

FAN SECTION

IMPERIAL UNITS (in.)

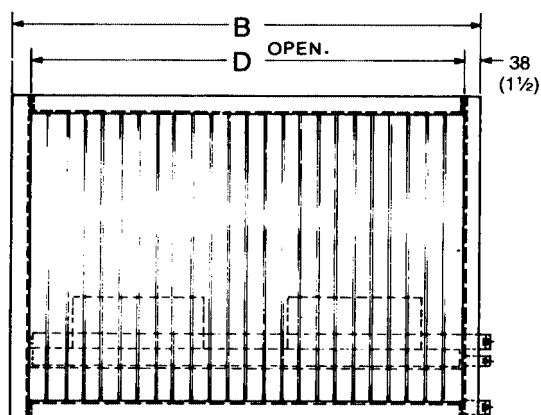
UNIT NO.	PRESSURE	A	B	C	D	E	F	G	FC				BI, AS - AD			
									H	J	K	L	H	J	K	L
9-I	LOW	57	81	71	1.50	78	54	78	34.75	34.75	23.38	22.25	28.63	38.25	21.38	28.93
	MEDIUM	57	81	71	1.50	78	54	78	31.25	31.25	24.88	20.50	25.94	34.81	23.10	26.94
	HIGH	57	81	71	1.50	78	54	78	—	—	—	—	23.56	31.63	24.69	24.94
10-J	LOW	63	87	76	1.50	84	60	84	36.75	36.75	25.12	23.25	31.81	42.69	22.16	31.44
	MEDIUM	63	87	76	1.50	84	60	84	34.25	34.25	26.38	22.25	28.63	38.25	24.38	28.93
	HIGH	63	87	76	1.50	84	60	84	—	—	—	—	25.94	34.81	26.10	26.94
11-K	LOW	69	93	80	1.50	89	66	90	—	—	—	—	35.13	46.69	23.16	33.93
	MEDIUM	69	93	80	1.50	89	66	90	—	—	—	—	31.81	42.69	25.16	31.44
	HIGH	69	93	80	1.50	89	66	90	—	—	—	—	28.63	38.25	27.38	28.93
12-L	LOW	75	105	86	2.75	95	72	102	—	—	—	—	38.69	51.81	26.60	36.44
	MEDIUM	75	105	86	1.50	95	72	102	—	—	—	—	35.13	46.69	29.16	33.93
	HIGH	75	105	86	1.50	95	72	102	—	—	—	—	31.81	42.69	31.16	31.44
13-M	LOW	87	117	88	2.75	100	84	114	—	—	—	—	42.63	57.19	29.91	39.93
	MEDIUM	87	117	88	2.75	100	84	114	—	—	—	—	38.69	51.81	32.60	36.44
	HIGH	87	117	88	1.50	100	84	114	—	—	—	—	35.13	46.69	35.16	33.93
14-N	LOW	93	129	88	2.75	108	90	126	—	—	—	—	47.13	63.13	32.94	42.43
	MEDIUM	93	129	88	2.75	108	90	126	—	—	—	—	42.63	57.19	35.91	39.93
	HIGH	93	129	88	2.75	108	90	126	—	—	—	—	38.69	51.81	38.60	36.44
15-O	LOW	93	142	88	2.75	116	90	139	—	—	—	—	54.94	69.44	36.28	45.94
	MEDIUM	93	142	88	2.75	116	90	139	—	—	—	—	47.13	63.13	39.44	42.43
	HIGH	93	142	88	2.75	116	90	139	—	—	—	—	42.63	57.19	42.41	39.93

SI UNITS (mm)

UNIT NO.	PRESSURE	A	B	C	D	E	F	G	FC				BI, AS - AD			
									H	J	K	L	H	J	K	L
9-I	LOW	1448	2057	1803	38	1981	1372	1981	870	870	594	565	727	972	543	735
	MEDIUM	1448	2057	1803	38	1981	1372	1981	794	794	632	521	659	884	587	684
	HIGH	1448	2057	1803	38	1981	1372	1981	—	—	—	—	598	803	627	633
10-J	LOW	1600	2210	1930	38	2134	1524	2134	934	934	638	591	808	1084	563	799
	MEDIUM	1600	2210	1930	38	2134	1524	2134	870	870	594	565	727	972	619	735
	HIGH	1600	2210	1930	38	2134	1524	2134	—	—	—	—	659	884	663	684
11-K	LOW	1753	2362	2032	38	2261	1676	2286	—	—	—	—	892	1186	588	861
	MEDIUM	1753	2362	2032	38	2261	1676	2286	—	—	—	—	808	1084	639	799
	HIGH	1753	2362	2032	38	2261	1676	2286	—	—	—	—	727	972	695	735
12-L	LOW	1905	2667	2184	70	2413	1829	2591	—	—	—	—	983	1316	676	926
	MEDIUM	1905	2667	2184	38	2413	1829	2591	—	—	—	—	892	1186	741	862
	HIGH	1905	2667	2184	38	2413	1829	2591	—	—	—	—	808	1084	791	799
13-M	LOW	2210	2972	2235	70	2540	2134	2896	—	—	—	—	1083	1453	760	1014
	MEDIUM	2210	2972	2235	70	2540	2134	2896	—	—	—	—	983	1316	828	926
	HIGH	2210	2972	2235	38	2540	2134	2896	—	—	—	—	892	1186	892	862
14-N	LOW	2362	3275	2235	70	2743	2286	3200	—	—	—	—	1197	1604	837	1078
	MEDIUM	2362	3275	2235	70	2743	2286	3200	—	—	—	—	1083	1453	912	1014
	HIGH	2362	3275	2235	70	2743	2286	3200	—	—	—	—	983	1316	980	926
15-O	LOW	2362	3607	2235	70	2946	2286	3531	—	—	—	—	1395	1764	928	1167
	MEDIUM	2362	3607	2235	70	2946	2286	3531	—	—	—	—	1197	1604	1002	1078
	HIGH	2362	3607	2235	70	2946	2286	3531	—	—	—	—	1083	1453	1077	1014

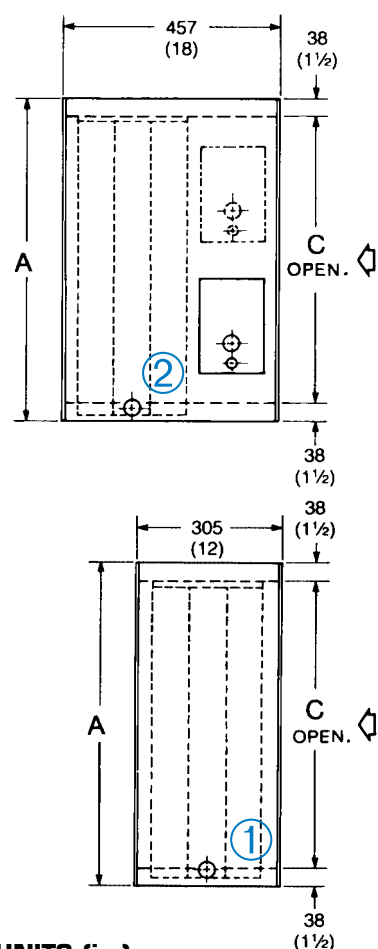
* BH arr. not available on low pressure 15-O unit.

ELIMINATOR SECTION AND HUMIDIFIERS



① ELIMINATOR
(USED OVER 2,5 m/s (500 FPM))

② WATER SPRAY HUMIDIFIER SECTION
(USED OVER 2,5 m/s (500 FPM))



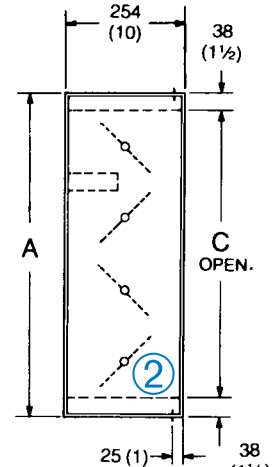
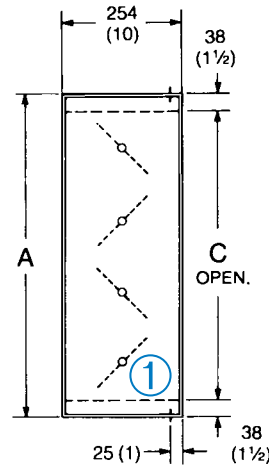
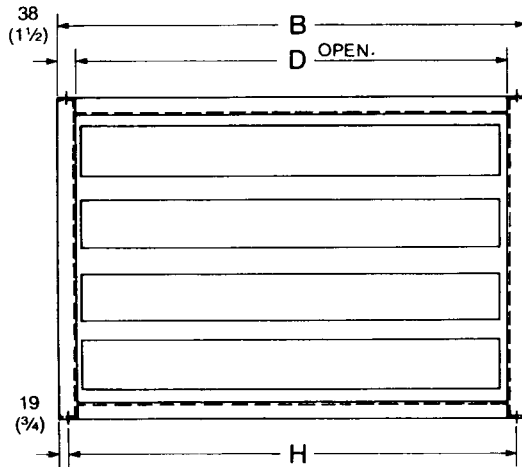
SI UNITS (mm)

UNIT NO.	A	B	C	D
2-A	533	686	457	610
3-A	686	991	610	914
4-C	838	991	762	914
5-C	838	1295	762	1219
5-A	686	1753	610	1676
5-E	991	1295	914	1219
6-F	1143	1448	1067	1372
6-C	838	1905	762	1829
7-G	1143	1753	1067	1676
8-H	1372	1753	1295	1676
8-E	991	2362	914	2286
10-F	1219	2667	1143	2591
9-I	1448	2057	1372	1981
10-J	1600	2210	1524	2134
11-K	1753	2362	1676	2286
12-L	1905	2667	1829	2591
13-M	2210	2972	2134	2896
14-N	2362	3275	2286	3200
15-O	2362	3607	2286	3531

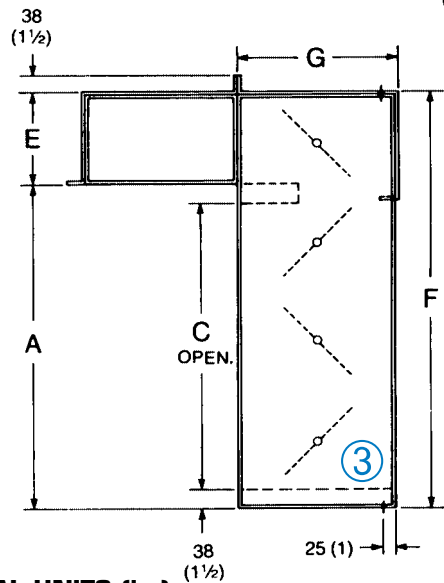
IMPERIAL UNITS (in.)

UNIT NO.	A	B	C	D
2-A	21	27	18	24
3-A	27	39	24	36
4-C	33	39	30	36
5-C	33	51	30	48
5-A	27	69	24	66
5-E	39	51	36	48
6-F	45	57	42	54
6-C	33	75	30	72
7-G	45	69	42	66
8-H	54	69	51	66
8-E	39	93	36	90
10-F	48	105	45	102
9-I	57	81	54	78
10-J	63	87	60	84
11-K	69	93	66	90
12-L	75	105	72	102
13-M	87	117	84	114
14-N	93	129	90	126
15-O	93	142	90	139

DAMPER SECTIONS



- ① SHUTOFF
- ② INTERNAL
- ③ EXTERNAL



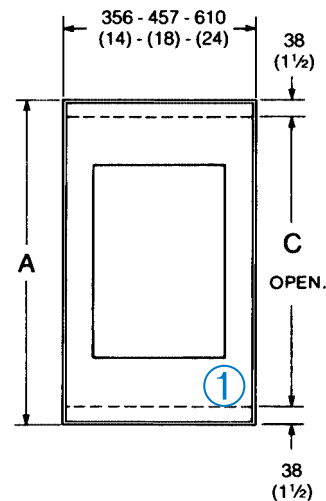
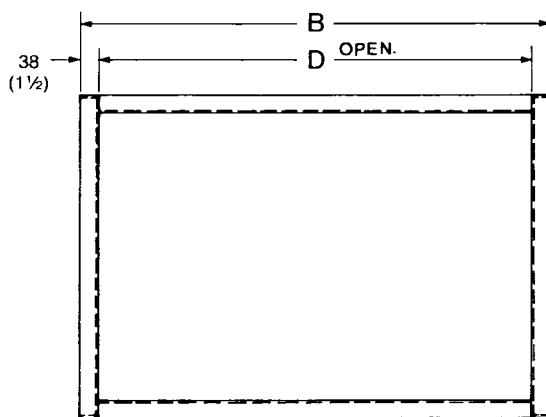
SI UNITS (mm)

UNIT NO.	A	B	C	D	E	F	G	H
2-A	533	686	457	610	190	724	330	648
3-A	686	991	610	914	190	876	330	876
4-C	838	991	762	914	190	1029	330	876
5-C	838	1295	762	1219	190	1029	330	1181
5-A	686	1753	610	1676	190	876	330	1638
5-E	991	1295	914	1219	305	1295	406	1181
6-F	1143	1448	1067	1372	305	1448	406	1334
6-C	838	1905	762	1829	190	1029	330	1791
7-G	1143	1753	1067	1676	305	1448	406	1638
8-H	1372	1753	1295	1676	381	1753	508	1638
8-E	991	2362	914	2286	305	1295	406	2248
10-F	1219	2667	1143	2591	381	1600	508	2553
9-I	1448	2057	1372	1981	381	1829	508	1943
10-J	1600	2210	1524	2134	381	1981	508	2096
11-K	1753	2362	1676	2286	457	2210	584	2248
12-L	1905	2667	1829	2591	457	2362	584	2553
13-M	2210	2972	2134	2896	610	2819	737	2858
14-N	2362	3275	2286	3200	686	3048	813	3162
15-O	2362	3607	2286	3531	762	3124	889	3496

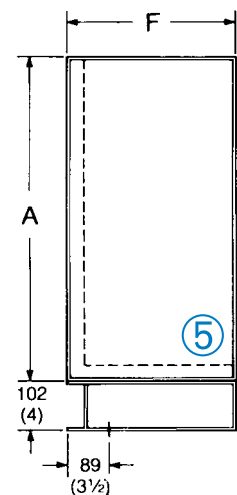
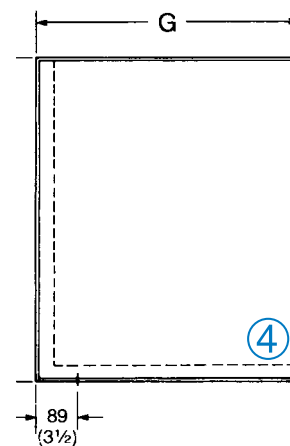
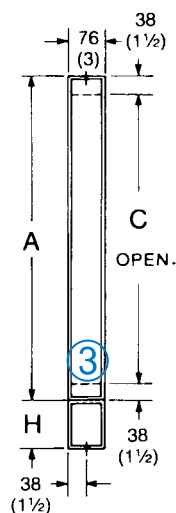
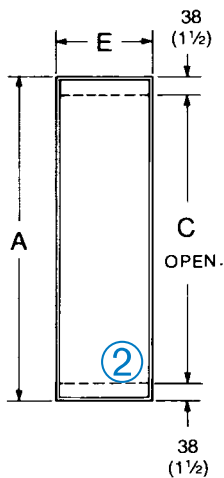
IMPERIAL UNITS (in.)

UNIT NO.	A	B	C	D	E	F	G	H
2-A	21	27	18	24	7 1/2	28 1/2	13	25 1/2
3-A	27	39	24	36	7 1/2	34 1/2	13	37 1/2
4-C	33	39	30	36	7 1/2	40 1/2	13	37 1/2
5-C	33	51	30	48	7 1/2	40 1/2	13	49 1/2
5-A	27	69	24	66	7 1/2	34 1/2	13	67 1/2
5-E	39	51	36	48	12	51	16	49 1/2
6-F	45	57	42	54	12	57	16	55 1/2
6-C	33	75	30	72	7 1/2	40 1/2	13	73 1/2
7-G	45	69	42	66	12	57	16	67 1/2
8-H	54	69	51	66	15	69	20	67 1/2
8-E	39	93	36	90	12	51	16	91 1/2
10-F	48	105	45	102	15	63	20	103 1/2
9-I	57	81	54	78	15	72	20	79 1/2
10-J	63	87	60	84	15	78	20	85 1/2
11-K	69	93	66	90	18	87	23	91 1/2
12-L	75	105	72	102	18	93	23	103 1/2
13-M	87	117	84	114	24	111	29	115 1/2
14-N	93	129	90	126	27	120	32	127 1/2
15-O	93	142	90	139	30	123	35	140 1/2

PLENUMS



- ① ACCESS
- ② SPACER
- ③ SUPPORT
- ④ 90° MVT
- ⑤ 90° CSAH



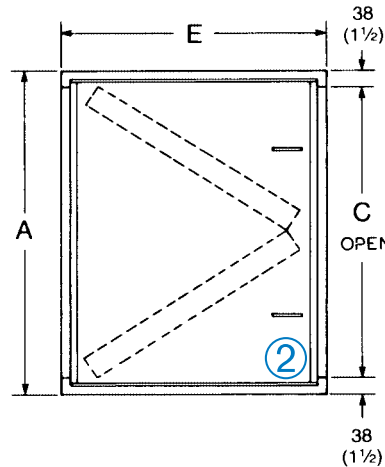
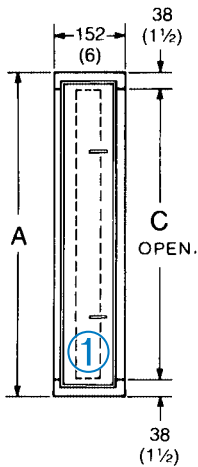
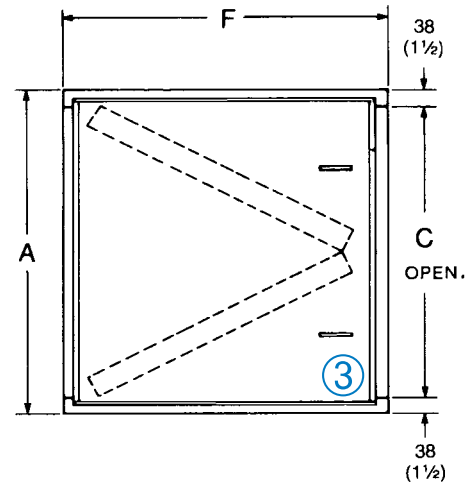
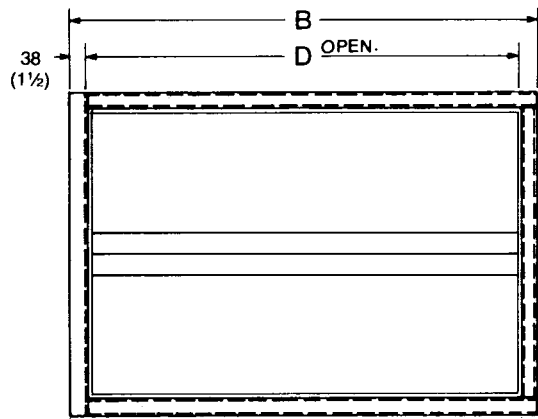
SI UNITS (mm)

UNIT NO.	A	B	C	D	E	F	G	H
2-A	533	686	457	610	203	279	406	102
3-A	686	991	610	914	203	356	559	102
4-C	838	991	762	914	229	483	711	102
5-C	838	1295	762	1219	229	483	711	102
5-A	686	1753	610	1676	203	356	559	102
5-E	991	1295	914	1219	229	635	864	102
6-F	1143	1448	1067	1372	305	787	1016	102
6-C	838	1905	762	1829	229	483	711	102
7-G	1143	1753	1067	1676	305	787	1016	102
8-H	1372	1753	1295	1676	381	1016	1245	102
8-E	991	2362	914	2286	229	635	864	102
10-F	1219	2667	1143	2591	305	864	1092	102
9-I	1448	2057	1372	1981	381	—	—	152
10-J	1600	2210	1224	2134	457	—	—	152
11-K	1753	2362	1676	2286	457	—	—	152
12-L	1905	2667	1829	2591	533	—	—	152
13-M	2210	2972	2134	2896	533	—	—	152
14-N	2362	3275	2286	3200	610	—	—	152
15-O	2362	3607	2286	3531	610	—	—	152

IMPERIAL UNITS (in.)

UNIT NO.	A	B	C	D	E	F	G	H
2-A	21	27	18	24	8	11	16	4
3-A	27	39	24	36	8	14	22	4
4-C	33	39	30	36	9	19	28	4
5-C	33	51	30	48	9	19	28	4
5-A	27	69	24	66	8	14	22	4
5-E	39	51	36	48	9	25	34	4
6-F	45	57	42	54	12	31	40	4
6-C	33	75	30	72	9	19	28	4
7-G	45	69	42	66	12	31	40	4
8-H	54	69	51	66	15	40	49	4
8-E	39	93	36	90	9	25	34	4
10-F	48	105	45	102	12	34	43	4
9-I	57	81	54	78	15	—	—	6
10-J	63	87	60	84	18	—	—	6
11-K	69	93	66	90	18	—	—	6
12-L	75	105	72	102	21	—	—	6
13-M	87	117	84	114	21	—	—	6
14-N	93	129	90	126	24	—	—	6
15-O	93	142	90	139	24	—	—	6

FILTER SECTIONS



- ① LOW
- ② MEDIUM
- ③ HIGH

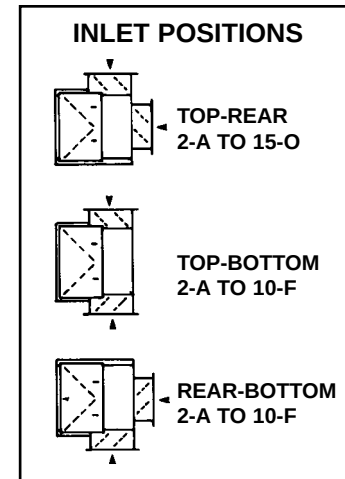
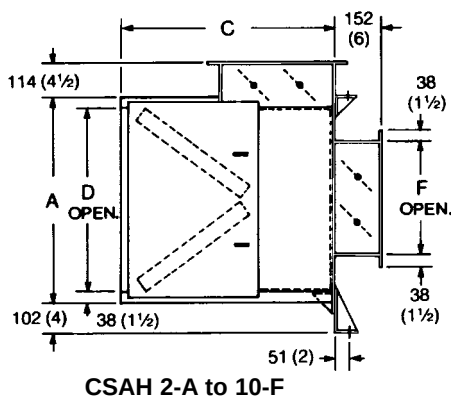
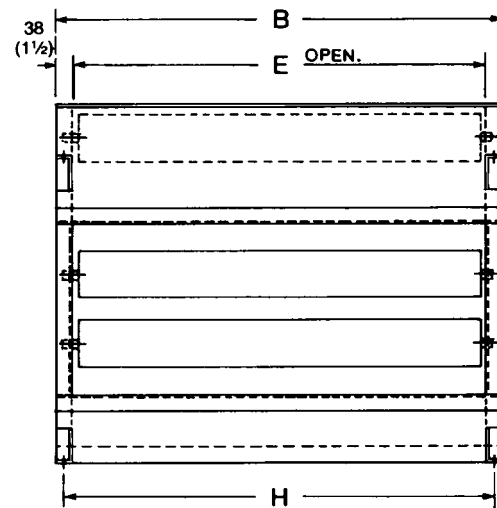
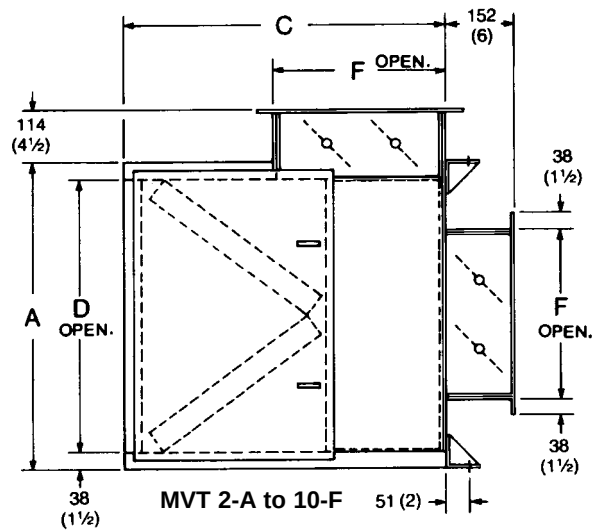
SI UNITS (mm)

UNIT NO.	A	B	C	D	E	F
2-A	533	686	457	610	584	711
3-A	686	991	610	914	559	686
4-C	838	991	762	914	660	559
5-C	838	1295	762	1219	457	559
5-A	686	1753	610	1676	559	686
5-E	991	1295	914	1219	559	686
6-F	1143	1448	1067	1372	508	660
6-C	838	1905	762	1829	457	559
7-G	1143	1753	1067	1676	508	559
8-H	1372	1753	1295	1676	533	559
8-E	991	2362	914	2286	559	584
10-F	1219	2667	1143	2591	508	559
9-I	1448	2057	1372	1981	533	660
10-J	1600	2210	1525	2134	508	686
11-K	1753	2362	1676	2286	533	559
12-L	1905	2667	1829	2591	610	686
13-M	2210	2972	2134	2896	508	559
14-N	2362	3275	2286	3200	508	559
15-O	2362	3607	2286	3531	508	559

IMPERIAL UNITS (in.)

UNIT NO.	A	B	C	D	E	F
2-A	21	27	18	24	23	28
3-A	27	39	24	36	22	27
4-C	33	39	30	36	26	22
5-C	33	51	30	48	18	22
5-A	27	69	24	66	22	27
5-E	39	51	36	48	22	27
6-F	45	57	42	54	20	26
6-C	33	75	30	72	18	22
7-G	45	69	42	66	20	22
8-H	54	69	51	66	21	22
8-E	39	93	36	90	22	23
10-F	48	105	45	102	20	22
9-I	57	81	54	78	21	26
10-J	63	87	60	84	20	27
11-K	69	93	66	90	21	22
12-L	75	105	72	102	24	27
13-M	87	117	84	114	20	22
14-N	93	129	90	126	20	22
15-O	93	142	90	139	20	22

MIXING BOXES - STANDARD



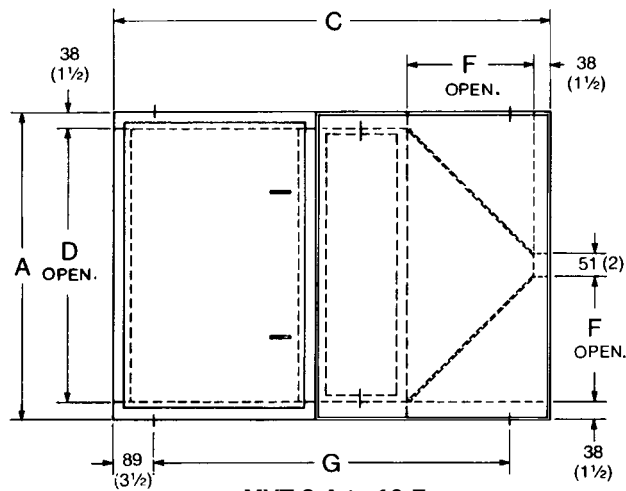
SI UNITS (mm)

UNIT NO.	A	B	C	D	E	F	G	H
2-A	533	686	711	457	610	292	660	648
3-A	686	991	711	610	914	381	660	952
4-C	838	991	838	762	914	381	787	952
5-C	838	1295	914	762	1219	457	864	1257
5-A	686	1753	711	610	1676	381	660	1714
5-E	991	1295	1219	914	1219	686	1168	1257
6-F	1143	1448	1168	1067	1372	686	1118	1410
6-C	838	1905	914	762	1829	457	864	1867
7-G	1143	1753	1168	1067	1676	686	1118	1714
8-H	1372	1753	940	1295	1676	686	889	1714
8-E	991	2362	1168	914	2286	686	1118	2324
10-F	1219	2667	1143	1143	2591	686	1092	2629
9-I	1448	2057	1168	1372	1981	914	1118	2007
10-J	1600	2210	1118	1524	2134	914	1067	2159
11-K	1753	2362	1626	1676	2286	1143	1575	2311
12-L	1905	2667	1372	1829	2591	1143	1321	2616
13-M	2210	2972	1295	2134	2896	1143	1245	2921
14-N	2362	3275	1499	2286	3200	1372	1448	3226
15-O	2362	3607	1499	2286	3531	1372	1448	3556

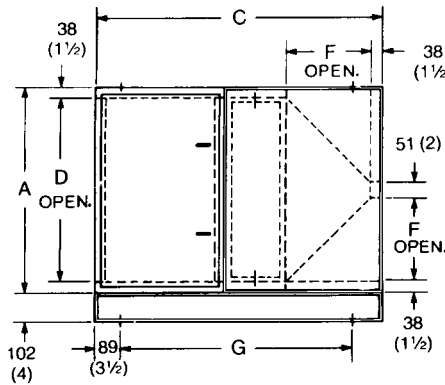
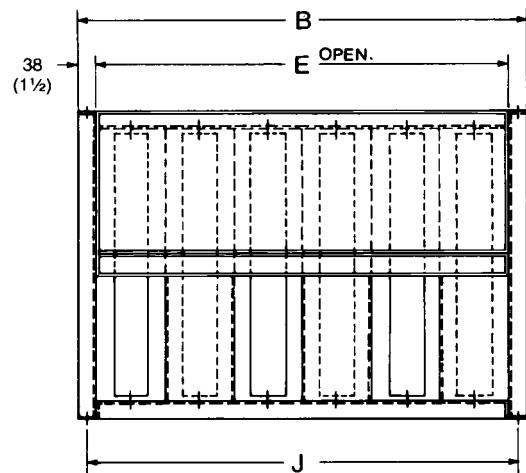
IMPERIAL UNITS (in.)

UNIT NO.	A	B	C	D	E	F	G	H
2-A	21	27	28	18	24	11 1/2	26	25 1/2
3-A	27	39	28	24	36	15	26	37 1/2
4-C	33	39	33	30	36	15	31	37 1/2
5-C	33	51	36	30	48	18	34	49 1/2
5-A	27	69	28	24	66	15	26	67 1/2
5-E	39	51	48	36	48	27	46	49 1/2
6-F	45	57	46	42	54	27	44	55 1/2
6-C	33	75	36	30	72	18	34	73 1/2
7-G	45	69	46	42	66	27	44	67 1/2
8-H	54	69	37	51	66	27	35	67 1/2
8-E	39	93	46	36	90	27	44	91 1/2
10-F	48	105	45	45	102	27	43	103 1/2
9-I	57	81	46	54	78	36	44	79
10-J	63	87	44	60	84	36	42	85
11-K	69	93	64	66	90	45	62	91
12-L	75	105	54	72	102	45	52	103
13-M	87	117	51	84	114	45	49	115
14-N	93	129	59	90	126	54	57	127
15-O	93	142	59	90	139	54	57	140

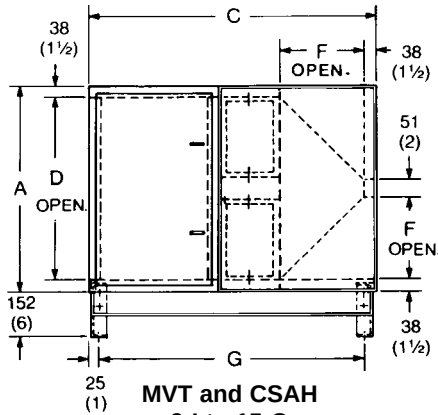
MIXING BOXES - ANTI-STRATA



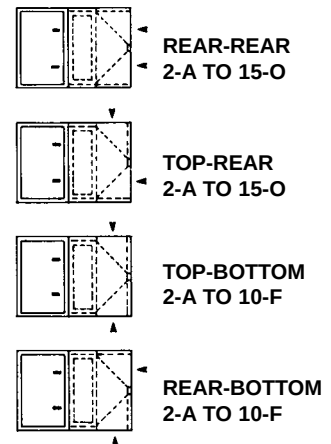
MVT 2-A to 10-F



CSAH 2-A to 10-F

MVT and CSAH
9-I to 15-O

INLET POSITIONS



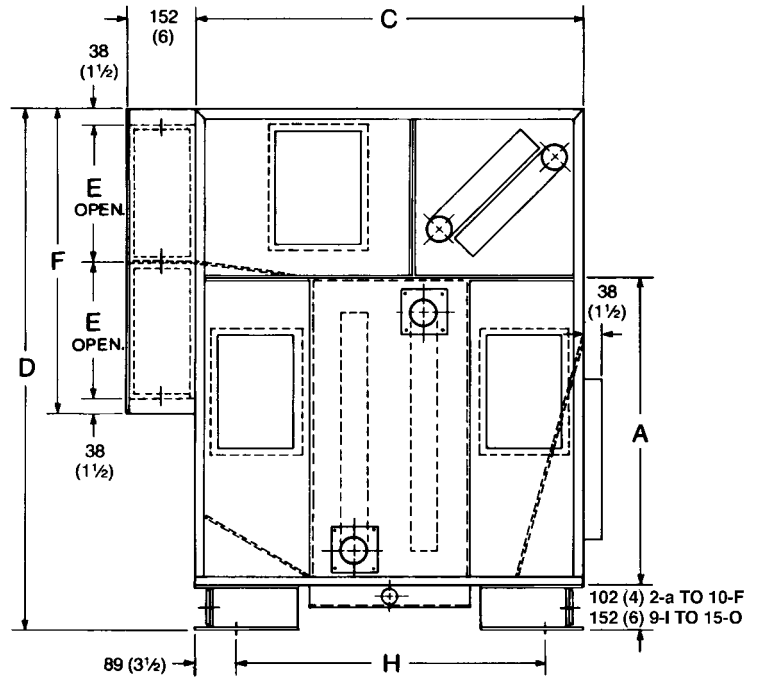
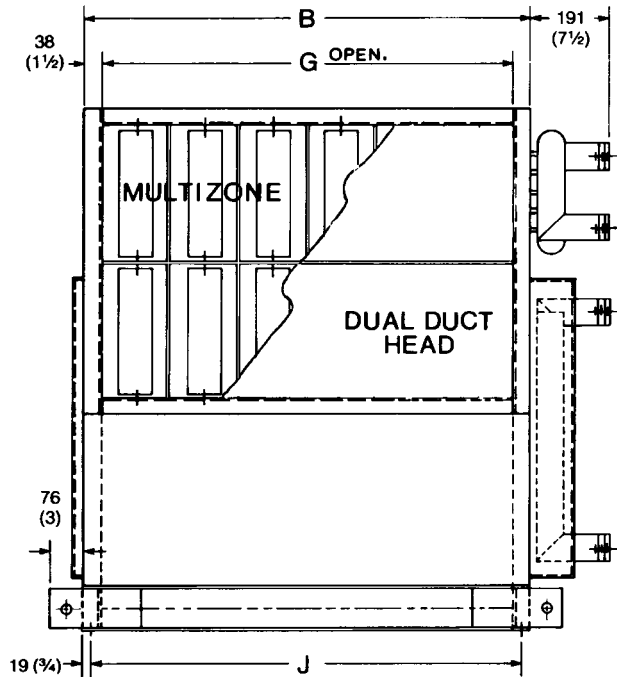
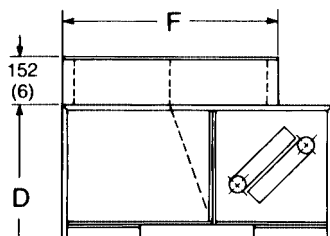
SI UNITS (mm)

UNIT NO.	A	B	C	D	E	F	G	H
2-A	533	686	889	457	610	203	711	648
3-A	686	991	965	610	914	279	787	952
4-C	838	991	1041	762	914	356	864	952
5-C	838	1295	1041	762	1219	356	864	1257
5-A	686	1753	965	610	1676	279	787	1714
5-E	991	1295	1118	914	1219	432	940	1257
6-F	1143	1448	1194	1067	1372	508	1016	1410
6-C	838	1905	1041	762	1829	356	864	1867
7-G	1143	1753	1194	1067	1676	508	1016	1714
8-H	1372	1753	1321	1295	1676	622	1143	1714
8-E	991	2362	1118	914	2286	432	940	2324
10-F	1219	2667	1245	1143	2591	546	1067	2629
9-I	1448	2057	1499	1372	1981	660	1448	2007
10-J	1600	2210	1575	1524	2134	737	1524	2159
11-K	1753	2362	1651	1676	2286	813	1600	2311
12-L	1905	2667	1727	1829	2591	889	1676	2616
13-M	2210	2972	1880	2134	2896	1041	1829	2921
14-N	2362	3275	1956	2286	3200	1118	1905	3226
15-O	2362	3607	2184	2286	3531	1118	2134	3556

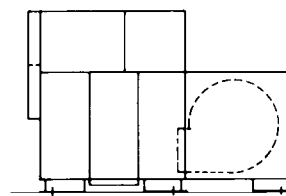
IMPERIAL UNITS (in.)

UNIT NO.	A	B	C	D	E	F	G	H
2-A	21	27	35	18	24	8	28	25 1/2
3-A	27	39	38	24	36	11	31	37 1/2
4-C	33	39	41	30	36	14	34	37 1/2
5-C	33	51	41	30	48	14	34	49 1/2
5-A	27	69	38	24	66	11	31	67 1/2
5-E	39	51	44	36	48	17	37	49 1/2
6-F	45	57	47	42	54	20	40	55 1/2
6-C	33	75	41	30	72	14	34	73 1/2
7-G	45	69	47	42	66	20	40	67 1/2
8-H	54	69	52	51	66	24 1/2	45	67 1/2
8-E	39	93	44	36	90	17	37	91 1/2
10-F	48	105	49	45	102	21 1/2	42	103 1/2
9-I	57	81	59	54	78	26	57	79
10-J	63	87	62	60	84	29	60	85
11-K	69	93	65	66	90	32	63	91
12-L	75	105	68	72	102	35	66	103
13-M	87	117	74	84	114	41	72	115
14-N	93	129	77	90	126	44	75	127
15-O	93	142	86	90	139	44	84	140

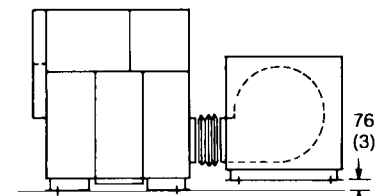
MULTIZONE OR DUAL DUCT HEAD

VERTICAL
OUTLET ARRANGEMENT

ARRANGEMENTS



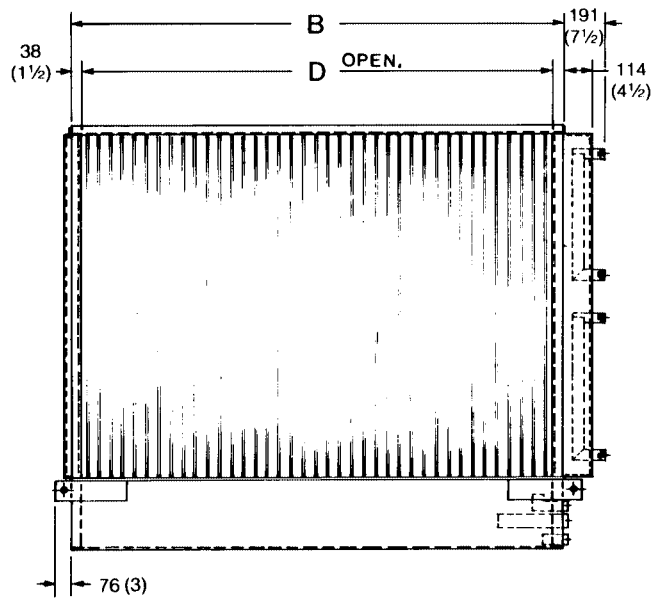
3-A to 5-E



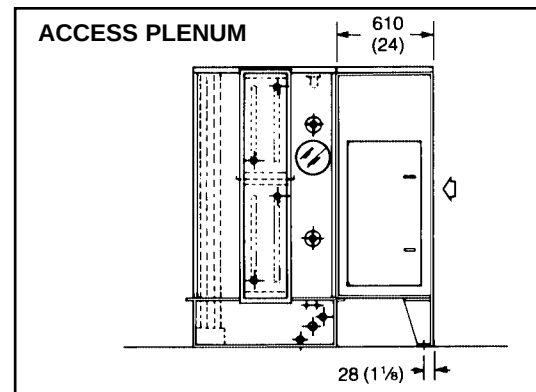
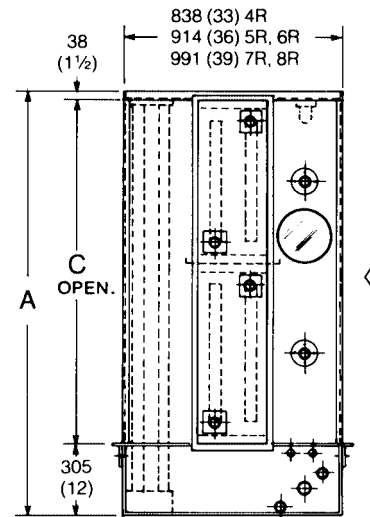
6-F to 15-O

UNIT NO.	SI UNITS (MM)									IMPERIAL UNITS (IN.)									QTY
	A	B	C	D	E	F	G	H	J	A	B	C	D	E	F	G	H	J	
2-A	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3-A	686	991	864	1168	305	686	914	686	876	27	39	34	46	12	27	36	27	37 1/2	6
4-C	838	991	965	1372	381	838	914	787	876	33	39	38	54	15	33	36	31	37 1/2	6
5-C	838	1295	965	1372	381	838	1219	787	1181	33	51	38	54	15	33	48	31	49 1/2	8
5-A	686	1753	965	1219	279	635	1676	787	1638	27	69	38	48	11	25	66	31	67 1/2	11
5-E	991	1295	1118	1600	457	991	1219	940	1181	39	51	44	63	18	39	48	37	49 1/2	8
6-F	1143	1448	1219	1803	457	991	1372	1041	1334	45	57	48	71	18	39	54	41	55 1/2	9
6-C	838	1905	1118	1448	356	787	1829	940	1791	33	75	44	57	14	31	72	37	73 1/2	12
7-G	1143	1753	1219	1803	457	991	1676	1041	1638	45	69	48	71	18	39	66	41	67 1/2	11
8-H	1372	1753	1321	2083	559	1194	1676	1143	1638	54	69	52	82	22	47	66	45	67 1/2	11
8-E	991	2362	1118	1600	457	991	2286	940	2248	39	93	44	63	18	39	90	37	91 1/2	15
10-F	1219	2667	1219	1880	508	1092	2591	1041	2553	48	105	48	74	20	43	102	41	103 1/2	17
9-I	1448	2057	1422	2261	610	1295	1981	1245	1953	57	81	56	89	24	51	78	47	79 1/2	13
10-J	1600	2210	1626	2515	686	1448	2134	1448	2096	63	87	64	99	27	57	84	59	85 1/2	14
11-K	1753	2362	1727	2718	762	1600	2286	1549	2248	69	93	68	107	30	63	90	61	91 1/2	15
12-L	1905	2667	1829	2921	813	1702	2591	1651	2553	75	105	72	115	32	67	102	65	103 1/2	17
13-M	2210	2972	1829	3226	813	1702	2896	1651	2858	87	117	72	127	32	67	114	65	115 1/2	19
14-N	2362	3275	2184	3556	965	2007	3200	2007	3162	93	129	86	140	38	79	126	79	127 1/2	21
15-O	2362	3607	2591	3759	1143	2362	3531	2413	3493	93	142	102	148	45	93	139	95	140 1/2	20

AIR WASHERS



SPRAYED COIL



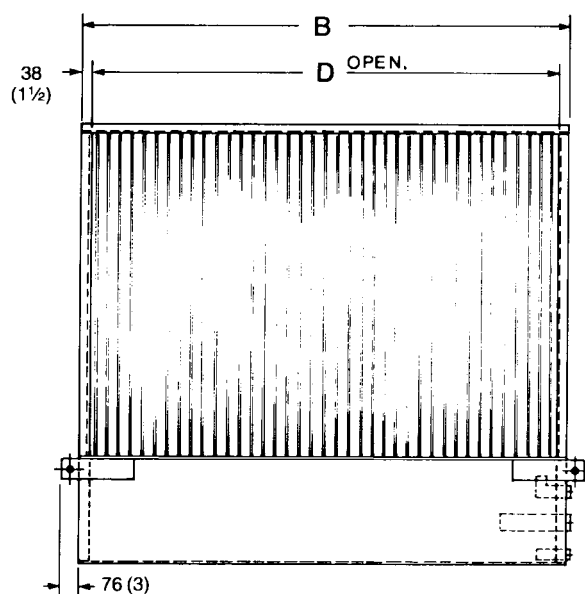
SI UNITS (mm)

UNIT NO.	A	B	C	D
2-A	—	991	—	—
3-A	1029	991	686	914
4-C	1181	1295	838	914
5-C	1181	1753	838	1219
5-A	1029	1295	686	1676
5-E	1334	1448	991	1219
6-F	1410	1905	1067	1372
6-C	1181	1753	838	1829
7-G	1410	1753	1067	1676
8-H	1638	2362	1295	1676
8-E	1334	2667	991	2286
10-F	1486	2057	1143	2591
9-I	1791	2210	1448	1981
10-J	1943	2362	1600	2134
11-K	2096	2667	1753	2286
12-L	2248	2972	1905	2591
13-M	2476	3277	2134	2896
14-N	2629	3607	2286	3200
15-O	2705	C	2362	3531

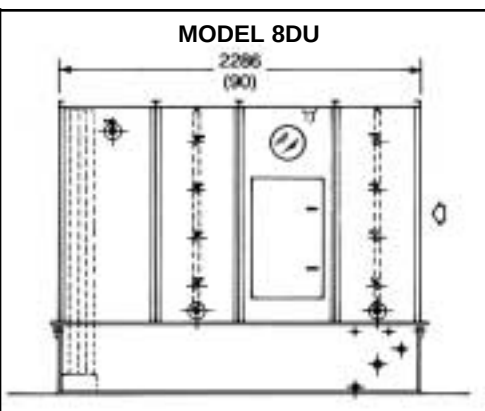
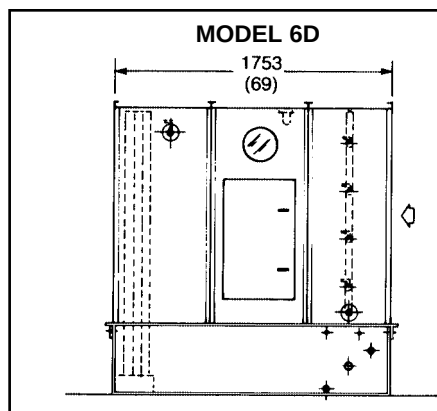
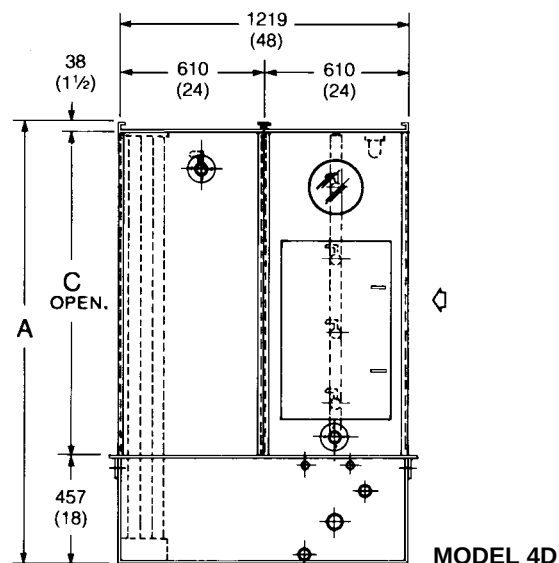
IMPERIAL UNITS

UNIT NO.	A	B	C	D
2-A	—	—	—	—
3-A	40 1/2	39	27	36
4-C	46 1/2	39	33	36
5-C	46 1/2	51	33	48
5-A	40 1/2	69	27	66
5-E	52 1/2	51	39	48
6-F	55 1/2	57	42	54
6-C	46 1/2	75	33	72
7-G	55 1/2	69	42	66
8-H	64 1/2	69	51	66
8-E	52 1/2	93	39	90
10-F	58 1/2	105	45	102
9-I	70 1/2	81	57	78
10-J	76 1/2	87	63	84
11-K	82 1/2	93	69	90
12-L	88 1/2	105	75	102
13-M	97 1/2	117	84	114
14-N	103 1/2	129	90	126
15-O	106 1/2	142	93	139

AIR WASHERS



SPRAY CHAMBER



SI UNITS (mm)

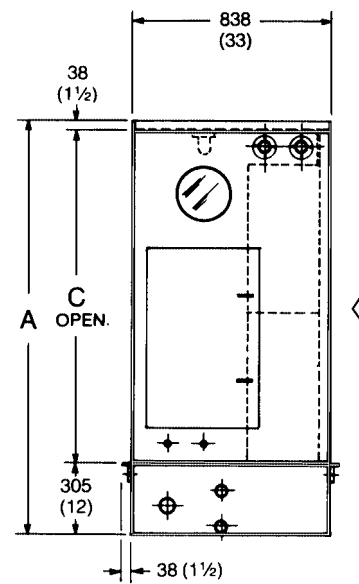
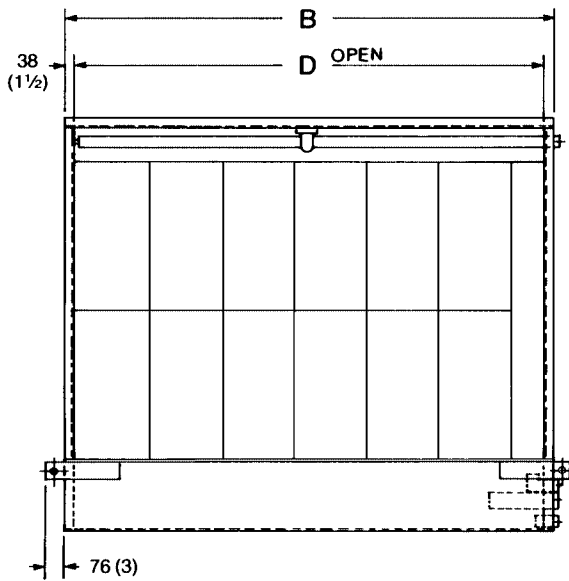
UNIT NO.	A	B	C	D
2-A	—	—	—	—
3-A	1105	991	610	914
4-C	1257	991	762	914
5-C	1257	1295	762	1219
5-A	1105	1753	610	1676
5-E	1410	1295	914	1219
6-F	1562	1448	1067	1372
6-C	1257	1905	762	1829
7-G	1562	1753	1067	1676
8-H	1791	1753	1295	1676
8-E	1410	2362	914	2286
10-F	1638	2667	1143	2591
9-I	1867	2057	1372	1981
10-J	2019	2210	1524	2134
11-K	2172	2362	1676	2286
12-L	2324	2667	1829	2591
13-M	2629	2972	2134	2896
14-N	2781	3277	2286	3200
15-O	2781	3607	2286	3531

IMPERIAL UNITS

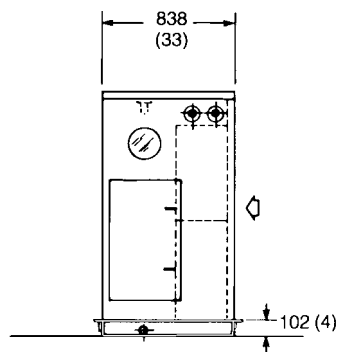
UNIT NO.	A	B	C	D
2-A	—	—	—	—
3-A	43 1/2	39	24	36
4-C	49 1/2	39	30	36
5-C	49 1/2	51	30	48
5-A	43 1/2	69	24	66
5-E	55 1/2	51	36	48
6-F	61 1/2	57	42	54
6-C	49 1/2	75	30	72
7-G	61 1/2	69	42	66
8-H	70 1/2	69	51	66
8-E	55 1/2	93	36	90
10-F	64 1/2	105	45	102
9-I	73 1/2	81	54	78
10-J	79 1/2	87	60	84
11-K	85 1/2	93	66	90
12-L	91 1/2	105	72	102
13-M	103 1/2	117	84	114
14-N	109 1/2	129	90	126
15-O	109 1/2	142	90	139

AIR WASHERS

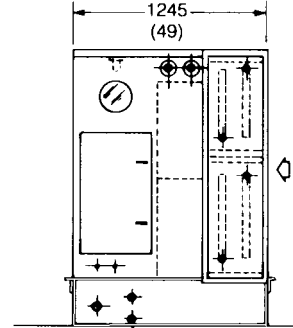
MARK KOOL



NON RECIRCULATING TYPE



RECIRCULATING TYPE WITH COILS



SI UNITS (mm)

UNIT NO.	A	B	C	D
2-A	—	—	—	—
3-A	—	—	—	—
4-C	—	—	—	—
5-C	1143	1295	800	1219
5-A	991	1753	648	1676
5-E	1295	1295	953	1219
6-F	1448	1448	1105	1372
6-C	1143	1905	800	1829
7-G	1448	1753	1105	1676
8-H	1676	1753	1334	1676
8-E	1295	2362	953	2286
10-F	1524	2667	1181	2591
9-I	1753	2057	1410	1981
10-J	1905	2210	1562	2134
11-K	2057	2362	1715	2286
12-L	2210	2667	1867	2591
13-M	2515	2972	2172	2896
14-N	2667	3277	2324	3200
15-O	2667	3607	2324	3531

IMPERIAL UNITS (in.)

UNIT NO.	A PG	B	C	D
2-A	—	—	—	—
3-A	—	—	—	—
4-C	—	—	—	—
5-C	45	51	31 1/2	48
5-A	39	69	25 1/2	66
5-E	51	51	37 1/2	48
6-F	57	57	43 1/2	54
6-C	45	75	31 1/2	72
7-G	57	69	43 1/2	66
8-H	66	69	52 1/2	66
8-E	51	93	37 1/2	90
10-F	60	105	46 1/2	102
9-I	69	81	55 1/2	78
10-J	75	87	61 1/2	84
11-K	81	93	67 1/2	90
12-L	87	105	73 1/2	102
13-M	99	117	85 1/2	114
14-N	105	129	91 1/2	126
15-O	105	142	91 1/2	139

ACCESS DOORS



Access doors are supplied on all blower sections, and are available on all access plenums. 140 mm x 190 mm (5 1/2 x 7 1/2) doors are single thickness, gasketed sheet steel fastened at the corners. All larger sizes are hinged, insulated sandwich-type doors.

SI UNITS (mm)

UNIT NO.	FAN SECTION					PLENUMS		
	LOW PRESSURE		MEDIUM PRESSURE		HIGH PRESSURE	WIDTH		
	FC	BI, AS- AD	FC	BI, AS-AD		356	457	610
2-A	—	—	140 x 190	—	—	279 x 406	279 x 406	279 x 406
3-A	140 x 190	140 x 190	140 x 190	140 x 190	—	279 x 406	279 x 406	279 x 406
4-C	140 x 190	140 x 190	140 x 190	140 x 190	—	279 x 648	356 x 648	356 x 648
5-C	140 x 190	140 x 190	140 x 190	140 x 190	—	279 x 648	356 x 648	356 x 648
5-A	140 x 190	140 x 190	140 x 190	—	—	279 x 406	279 x 406	279 x 406
5-E	140 x 190	140 x 190	140 x 190	140 x 190	140 x 190	279 x 648	356 x 648	356 x 648
6-F	140 x 190	140 x 190	140 x 190	140 x 190	—	279 x 648	356 x 648	356 x 648
6-C	140 x 190	140 x 190	140 x 190	140 x 190	—	279 x 648	356 x 648	356 x 648
7-G	140 x 190	140 x 190	140 x 190	356 x 648	356 x 648	279 x 648	356 x 648	356 x 648
8-H	140 x 190	140 x 190	140 x 190	356 x 648	356 x 648	279 x 648	356 x 648	356 x 648
8-E	140 x 190	140 x 190	140 x 190	140 x 190	—	279 x 648	356 x 648	356 x 648
10-F	140 x 190	356 x 648	140 x 190	356 x 648	—	279 x 648	356 x 648	356 x 648
9-I	686 x 1219	686 x 1219	686 x 1219	686 x 1219	686 x 1219	—	356 x 1219	356 x 1219
10-J	686 x 1219	686 x 1219	686 x 1219	686 x 1219	686 x 1219	—	356 x 1219	356 x 1219
11-K	—	686 x 1219	—	686 x 1219	686 x 1219	—	356 x 1219	356 x 1219
12-L	—	686 x 1219	—	686 x 1219	686 x 1219	—	356 x 1219	356 x 1219
13-M	—	686 x 1524	—	686 x 1524	686 x 1524	—	356 x 1524	356 x 1524
14-N	—	686 x 1524	—	686 x 1524	686 x 1524	—	356 x 1524	356 x 1524
15-O	—	686 x 1524	—	686 x 1524	686 x 1524	—	356 x 1524	356 x 1524

IMPERIAL UNITS (in.)

UNIT NO.	FAN SECTION					PLENUMS		
	LOW PRESSURE		MEDIUM PRESSURE		HIGH PRESSURE	WIDTH		
	FC	BI, AS-AD	FC	BI, AS-AD		14	18	24
2-A	—	—	—	—	—	11 x 16	11 x 16	11 x 16
3-A	5 1/2 x 7 1/2	5 1/2 x 7 1/2	5 1/2 x 7 1/2	5 1/2 x 7 1/2	—	11 x 16	11 x 16	11 x 16
4-C	5 1/2 x 7 1/2	5 1/2 x 7 1/2	5 1/2 x 7 1/2	5 1/2 x 7 1/2	—	11 x 25 1/2	14 x 25 1/2	14 x 25 1/2
5-C	5 1/2 x 7 1/2	5 1/2 x 7 1/2	5 1/2 x 7 1/2	5 1/2 x 7 1/2	—	11 x 25 1/2	14 x 25 1/2	14 x 25 1/2
5-A	5 1/2 x 7 1/2	5 1/2 x 7 1/2	5 1/2 x 7 1/2	—	—	11 x 16	11 x 16	11 x 16
5-E	5 1/2 x 7 1/2	5 1/2 x 7 1/2	5 1/2 x 7 1/2	5 1/2 x 7 1/2	5 1/2 x 7 1/2	11 x 25 1/2	14 x 25 1/2	14 x 25 1/2
6-F	5 1/2 x 7 1/2	5 1/2 x 7 1/2	5 1/2 x 7 1/2	5 1/2 x 7 1/2	—	11 x 25 1/2	14 x 25 1/2	14 x 25 1/2
6-C	5 1/2 x 7 1/2	5 1/2 x 7 1/2	5 1/2 x 7 1/2	5 1/2 x 7 1/2	—	11 x 25 1/2	14 x 25 1/2	14 x 25 1/2
7-G	5 1/2 x 7 1/2	5 1/2 x 7 1/2	5 1/2 x 7 1/2	14 x 25 1/2	14 x 25 1/2	11 x 25 1/2	14 x 25 1/2	14 x 25 1/2
8-H	5 1/2 x 7 1/2	5 1/2 x 7 1/2	5 1/2 x 7 1/2	14 x 25 1/2	14 x 25 1/2	11 x 25 1/2	14 x 25 1/2	14 x 25 1/2
8-E	5 1/2 x 7 1/2	5 1/2 x 7 1/2	5 1/2 x 7 1/2	5 1/2 x 7 1/2	—	11 x 25 1/2	14 x 25 1/2	14 x 25 1/2
10-F	5 1/2 x 7 1/2	14 x 25 1/2	5 1/2 x 7 1/2	14 x 25 1/2	—	11 x 25 1/2	14 x 25 1/2	14 x 25 1/2
9-I	27 x 48	27 x 48	27 x 48	27 x 48	27 x 48	—	14 x 48	14 x 48
10-J	27 x 48	27 x 48	27 x 48	27 x 48	27 x 48	—	14 x 48	14 x 48
11-K	—	27 x 48	—	27 x 48	27 x 48	—	14 x 48	14 x 48
12-L	—	27 x 48	—	27 x 48	27 x 48	—	14 x 48	14 x 48
13-M	—	27 x 60	—	27 x 60	27 x 60	—	14 x 60	14 x 60
14-N	—	27 x 60	—	27 x 60	27 x 60	—	14 x 60	14 x 60
15-O	—	27 x 60	—	27 x 60	27 x 60	—	14 x 60	14 x 60

VARIMARK II

The Varimark II control for VAV systems is easily adapted for use with the CLIMATAIR series. May be employed on all single-wheel BI, AS or AD models.

Listed below are the clearances required by the Varimark II mechanism on the CLIMATAIR units with the motor outside the blower section. See tables below and fig. A.

On large CLIMATAIR units with the motor inside the blower section, the Varimark II mechanism is also inside the section. See fig. B.



DIMENSION "X"

SI UNITS (mm)

UNIT NO.	BI		AS-AD		
	PRESSURE		PRESSURE		
	LOW	MED.	LOW	MED.	HIGH
3-A	419	419	419	419	—
4-C	419	419	419	419	—
5-C	419	419	419	419	—
5-E	444	444	444	444	419
6-F	470	444	470	444	444
7-G	470	470	470	470	444
8-H	495	470	495	470	470

IMPERIAL UNITS (in.)

UNIT NO.	BI		AS-AD		
	PRESSURE		PRESSURE		
	LOW	MED.	LOW	MED.	HIGH
3-A	16 1/2	16 1/2	16 1/2	16 1/2	—
4-C	16 1/2	16 1/2	16 1/2	16 1/2	—
5-C	16 1/2	16 1/2	16 1/2	16 1/2	—
5-E	17 1/2	17 1/2	17 1/2	17 1/2	16 1/2
6-F	18 1/2	17 1/2	18 1/2	17 1/2	17 1/2
7-G	18 1/2	18 1/2	18 1/2	18 1/2	17 1/2
8-H	19 1/2	18 1/2	19 1/2	18 1/2	18 1/2

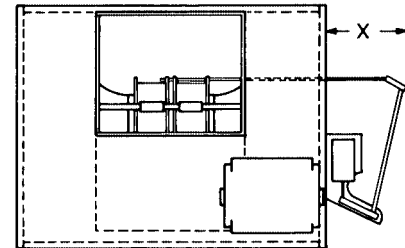


Fig. A

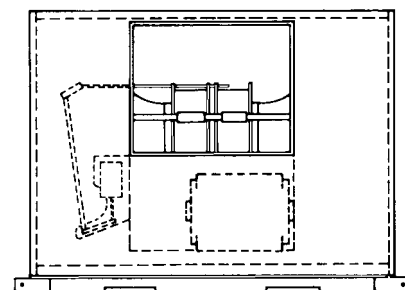
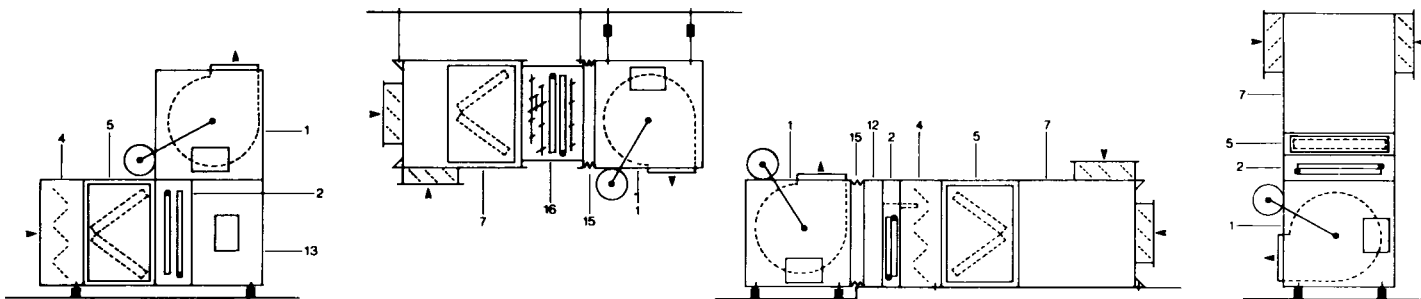


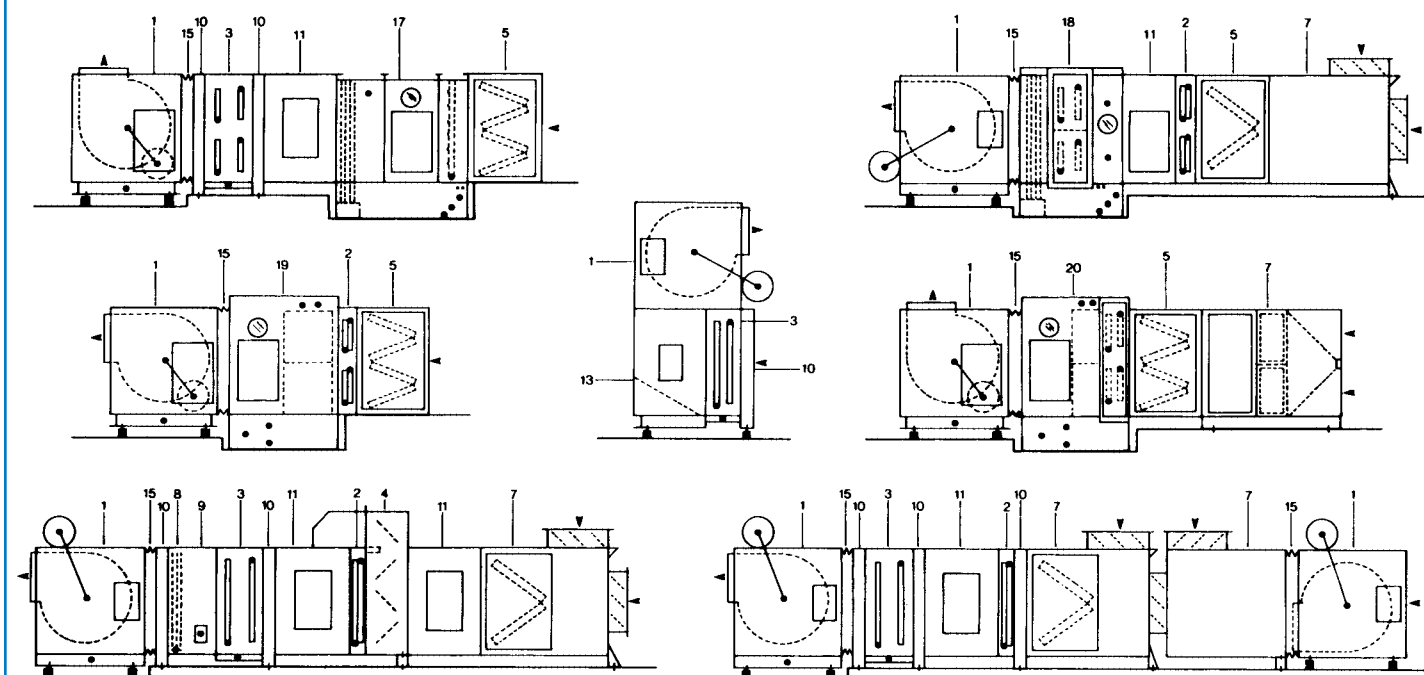
Fig. B

UNIT ARRANGEMENTS

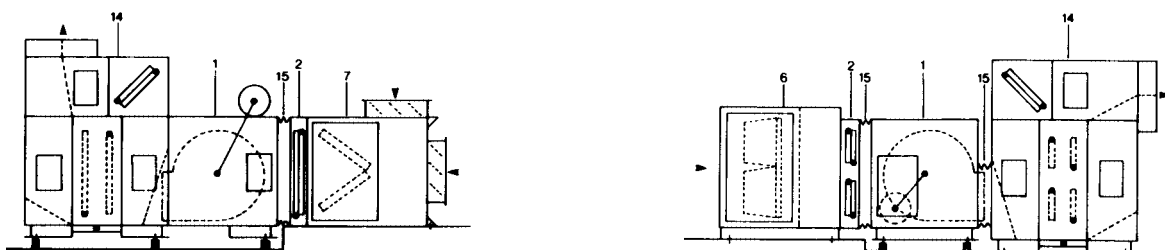
MVT



CSAH



MZ



LEGEND

- | | | |
|------------------------|------------------------|-----------------------------------|
| 1 - FAN SECTION | 7 - MIXING BOX | 14 - MULTIZONE |
| 2 - HEATING COIL | 8 - ELIMINATOR | 15 - FLEXIBLE CONNECTION |
| 3 - COOLING COIL | 9 - HUMIDIFIER SECTION | 16 - LAMILINE COIL |
| 4 - DAMPER SECTION | 10 - SUPPORT PLENUM | 17 - SPRAY CHAMBER |
| 5 - FILTER SECTION | 11 - ACCESS PLENUM | 18 - SPRAYED COIL |
| 6 - BAG FILTER SECTION | 12 - PLENUM SPACER | 19 - MARK KOOL |
| - HIGH EFFICIENCY | 13 - 90° PLENUM | 20 - MARK KOOL WITH COOLING COILS |

SPECIFICATIONS

GENERAL

Components shall be of heavy gauge steel sheet, reinforced where necessary with steel angles and channels for greater rigidity.

Complete protection from corrosion shall be provided through degreasing, cleaning and phosphatizing of all steel parts, finished with a coat of semi-gloss primer.

FAN SECTIONS

Shall be manufactured by ROSEMEX. Fans shall be dynamically and statically balanced on their shafts after assembly.

Shafts shall be hollow or solid according to ROSEMEX design, and shall be designed to operate below their first critical speed.

Bearings shall be sized for an average minimum life of 200,000 hours. Extended lubrication lines shall be standard where bearings are installed inside fan section.

MVT

Fan section shall not be insulated and there shall be no drain pan. Optional 25,4 mm (1") insulation is also available. Access to the interior of this section shall be provided. (On unit no. 9-I to 15-O).

CSAH

Fan section shall be completely insulated with 25,4 mm (1") thick fiberglass. Optional 51 mm (2") insulation is also available. A full-sized, all-welded sandwich type drain pan, lined with 12,7 mm (1/2") rigid insulation, shall be an integral part of this section. Access to the interior of this section shall be provided. (On unit no. 9-I to 15-O).

MZ

Unit shall incorporate the specified MVT fan section. Multizone head shall have factory-installed dampers and linkages. Dampers shall be gasketed around their entire periphery. The entire cold deck shall be insulated with 25,4 mm (1") neoprene coated insulation. Condensate pan shall also be fully insulated.

COIL SECTIONS

All coils shall be manufactured by ROSEMEX.

Casings shall be constructed of heavy gauge wiped coat galvanized steel. Intermediate tube sheets shall be added on large coils for more rigidity. Fins shall be... aluminum... copper... and shall be 6, 9 or 12 FPI, number of rows shall be as specified.

On water and refrigerant coils, tubes shall be 16 mm (5/8") O.D. copper. All steam coil tubes shall be 16 mm (5/8") O.D. heavy wall, and shall be pitched in their casing. Mechanical bond between tubes and fins shall be achieved by a tube expansion process which eliminates tube spring back.

All coils shall be tested at 1380 kPa (200 PSIG).

MIXING BOXES

Shall be ROSEMEX standard type and shall incorporate interconnected parallel blade dampers; arrangement shall be as shown on plans. Inlets shall be flanged for duct connections. Dampers shafts shall rotate in nylon bushings.

Shall be identical in construction to the standard type, but shall incorporate a medium capacity angle bank filter section. An access door shall be provided for servicing.

Shall be Anti-Strata and shall effect air mixture through an internal arrangement of baffles and air passages. Interior of casing shall be completely insulated. A large hinged access door shall be provided on this section.

FILTER SECTIONS

Shall be...low... medium... high... capacity, using 51 mm (2") thick flat filters of size and type specified.

Shall be... standard... high... capacity bag filter section, with...without... pre-filters, as per specifications.

HUMIDIFIERS

Shall be... steam grid type... hooded water spray type... and shall incorporate an eliminator bank where specified.

DAMPER SECTIONS

Shall be... internal bypass... external bypass... shutoff... as specified. Blades shall be... standard... low-leak... construction. All blade shafts shall be cadmium plated and shall rotate in nylon bushings.

OTHER AVAILABLE OPTIONS

- internally isolated fan mounting
- double panel unit construction
- internal drives with short shaft and external motor
- OSHA belt guards
- a choice of 25,4 mm (1") or 51 mm (2") thick fiberglass insulation, in 24 kg/m³ (1,5 pounds per cubic foot) or 72 kg/m³ (4,5 pounds per cubic foot) densities.

COMPUTER SELECTION:

ROSEMEX can help to optimize system components by putting at the designer's disposal computer programs for selection of CLIMATAIR units and coils. Contact your local ROSEMEX representative for more information.



Produits

Products

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