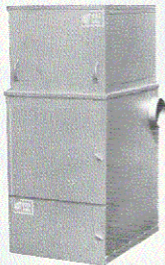
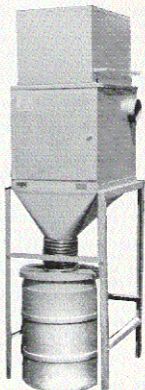


# KEI DUST COLLECTION SYSTEMS

KEI Dust Collection Systems are economical and versatile, high volume and medium capacity Units. By source pick-up of pollutants, these efficient Units provide healthy work environments with low maintenance costs. KEI Dust Collection Systems can be custom designed by our engineers to create a complete system that will solve individual pollution problems.



**MODEL 3025**



**MODEL 3025  
with HOPPER 261**

Model 3025 produces 1,200 CFM and Model 3035 produces 1,500 CFM. Both have 4.5 cubic foot capacity collection drawers as standard equipment. They may be ordered with optional hopper and stand. The cabinet is constructed of heavy 14 and 18 gauge sheet metal; the hopper frame is 2" and 2.5" angle iron.

## FEATURES

- \* HIGH VOLUME DUST COLLECTION WITH HOPPER
- \* VERSATILE UNIT COLLECTS DUST AND MIST
- \* EASILY MAINTAINED INTERNAL BAGS
- \* MANUAL PRE-FILTER SHAKER
- \* STANDARD CAPACITY COLLECTION 4.5 CUBIC FT DRAWER
- \* ECONOMICAL - USED IN PLACE OF SEVERAL SMALLER UNITS
- \* UNIT CAN BE EASILY RELOCATED
- \* MOTORIZED BAG SHAKER AVAILABLE

# KEI OPTIONAL SHAKER BAG PREFILTER MODEL 327 FOR 3025 & 3035 DUST COLLECTION SYSTEMS

KEI Models 3025 and 3035 can now be equipped with internal bag type prefilters with manual or motorized shaker cleaning. By adding KEI Model 327 Bag Set, the throw-away prefilter Model 503 is eliminated and daily maintenance is greatly reduced. By also adding Model 261 Hopper, which allows dust to fall directly into a 55 gallon drum, the high capacity dust collection of the larger 3055 and 3900's can now be obtained.

The cabinet height of the 3025 and 3035 with the 327 option will increase 31" to accommodate 9 Model 219 polypropylene dust bags: providing approximately 50 sq. ft. of prefilter cloth. A manual bag shaker is included to maintain optimum CFM. The units still feature final filter Model 520 to provide an extra 132 sq. ft. of filtering media. The final filter, as a standard component, will allow the unit to comply with the new OSHA Exposure Limits on wood dust. Higher efficiency filters are also available: Model 522 - 85% Ashrae and Model 521 - 95% Ashrae.

### OPTIONS

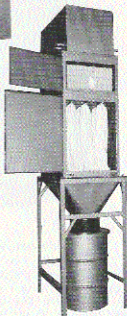
- Model 260 Sound Cover
- Model 261 Hopper
- Model 256 Motorized Bag Shakers
- Model 259 Shaker Motor Controls
- Model 271 Motor Starter Control for Model 3025
- Model 269 Motor Starter Control for Model 3035

### MODEL 3035-3-327

with optional Models 260 and 261.  
(Drum not included.)



**MODEL 3035-3**  
standard w/drawer  
Optional Model 260



### DUST COLLECTION SYSTEMS WITH MODEL 327

MODEL	HP	PHASE	VOLTAGE	AMPERAGE		DBA 5'*	CFM	INLETS NO SIZE		DIMENSIONS				WT
				START	RUN			W"	D"	H"	H**			
3025-1-327	2	1	115/230	23/12	12/5	85	1200	1	6"	27	35	88	139	400
3025-3-327	2	3	230/460	4/3	3/1	85	1200	1	6"	27	35	88	139	400
3035-3-327	3	3	230/460	8/4	3/4	86	1500	1	7"	27	35	88	139	415

\*DBA with Model 260 Sound Cover is 81 and 82.

\*\*Height with Model 261 Hopper and Stand.

## MOTORS/BLOWERS

All KEI Dust Collectors are powered by energy efficient, continuous duty motors capable of running at 208V and all standard voltages. Motors range from 2HP-10HP with explosion proof motors available. All are UL and CSA approved. KEI blowers are available with air pressure capability from 1,200 to 10,000 CFM; static pressure capabilities up to 12" Water Gauge. Both motor and housing are located on the clean air side of the unit for less maintenance and longer motor and fan life.

## CABINETS

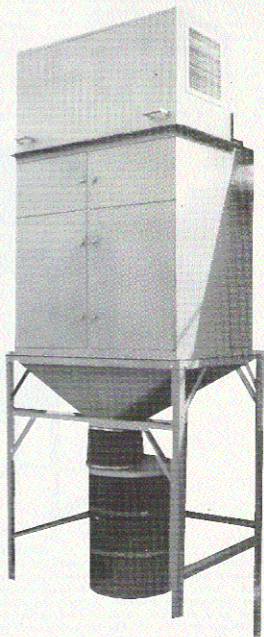
Cabinets with anti by-pass filter tracks are standard. Filters are easily accessed through hinged and gasketed doors with positive-seal handles. The motor cover provides safety and sound reduction. Additional sound reduction is available by adding an acoustical cover over the blower exhaust. On high pressure blowers, KEI can cut noise levels in half. Side inlet openings are standard, but top and rear can be provided.

## DUCT WORK

All duct work is engineered in-house to provide optimum CFM delivery and duct velocity needed for each application. Use KEI Quality Flex Hosc to provide the link between the sheet metal duct and the machine or pollution source.

## MODEL 3055

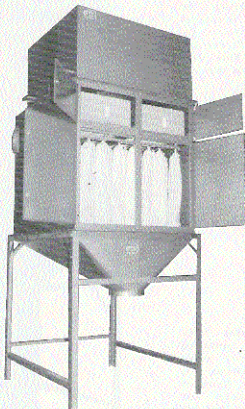
KEI Dust Collector, Model 3055, uses a 5HP-3PH motor producing 2,500 CFM at 5" external static pressure. The fan housing is fabricated steel with a backward inclined fan blade. Hopper and stand are included. The Unit has a two stage filtration system: the pre-filter consists of 21 cotton sateen bags (100 sq. ft. total filtering media) to remove 95% particulate from the air. The final filter consists of two 24" x 24" x 12" filter cells (264 sq. ft. total filtering media) to filter 99% particulate by weight.



# KEI DUST COLLECTION SYSTEMS

KEI Models 3900 and 3910, Large Dust Collector Systems with cabinet and hopper, are solid steel construction with welded seams and have two fully sealed, hinged access doors for inspection and service of bags and filters. The heavy steel hopper includes stand with hose connectors and clamps, and a 55 gallon drum lid with a 14" opening. The tapered hopper empties directly into a 55 gallon drum (not included) which can be mounted on a dolly for convenient disposal. The Unit's fan is specially designed with self-limiting backward inclined blades and a spun venturi inlet to deliver high efficiency and quiet performance. The continuous duty motor is totally enclosed and fan cooled. Both motor and fan are on the clean filter side for low maintenance and increased performance.

Also featured is a manual bag shaker for easy cleaning. The shaker is specially designed to increase bag life and filtration efficiency. When turned, the shaker cleans the particulate from the 42 dust bags causing it to fall into the hopper and drum. An optional motor operated shaker is available that when activated will automatically clean dust from the bags.



**MODEL 3900**

Model 3900 is a 7.5HP 3PH Unit producing 3,500 CFM at 5" of external static pressure. The unit uses a two stage filtration system to capture and remove 99% of airborne particulate. Particles enter an air chamber located in the back of the unit. The velocity is reduced allowing the heavier particles to drop out of the airstream into the hopper and a 55 gallon drum for easy disposal. Partially cleaned air is directed into 42 pre-filter dust bags with a total 220 sq. ft. These bags are constructed of cotton sateen media that filters 95% of the particles. The partially cleaned air enters the final filters. This stage contains 528 sq. ft. of fiberglass media which removes 99% of particulate by weight.

### MODEL 3910

KEI Model 3910 has the same quality features and two stage filtration system as Model 3900, but is a larger Unit with a 10HP-3PH motor producing 5,500 CFM.

### APPLICATIONS

- \* Sawing
- \* Sanding
- \* Planing
- \* Buffing
- \* Grinding
- \* Milling
- \* Mills
- \* Masonries
- \* Foundries
- \* Refineries
- \* Metal Shops
- \* Wood Shops

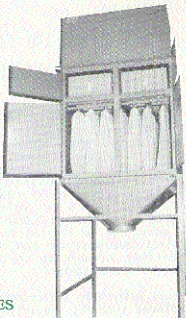
### ACCESSORIES

**WHEEL BASE** - Model 265 Wheel Base, has (4) 5" swivel, ball bearing wheels and attaches to the bottom of Model 3025 and 3035 for easy maneuvering.

**ARM HOLDERS** - The steel Arm Holder attaches to Models 3025 & 3035 when a KEI Arm is needed for exact positioning or easy relocation of the nozzle. The holders require bench mount arms: Model 263 holds 1 arm, Model 264 holds 2 arms. KEI Arms must be ordered separately.

**DRAWER Baffle** - Model 262 is placed within the drawers of Models 3025 & 3035 to increase collection of fine dust circulating inside.

**HOPPER** - Model 261 for Model 3025 & 3035 includes a steel stand with hose connectors, clamps, and a 55 gallon drum lid with a 10" opening. Drum not included.



**MAGNEHELIC PRESSURE GAUGE** - Model 326 determines the amount of pressure drop across the filters. When the gauge reaches a predetermined reading, it indicates that filters need to be cleaned or replaced. All Large Dust Collection Units can be fitted with a Magnehelic Pressure Gauge.

**FINAL FILTER ASSEMBLY** - Model 266 contains a Dacron panel filter with 45-50% ASHRAE efficiency. The 24" square assembly fits on the exhaust outlet of Models 3025 and 3035 to eliminate fine particulate that may bypass the final filter on start-up. It adds 3" of height to each unit. The replacement filter is KEI Model 500.

**SOUND COVER** - Model 260 is lined with acoustical foam material to reduce DBA levels on all Units.

### LARGE DUST COLLECTION SYSTEM SPECIFICATIONS

MODEL	HP	PHASE	VOLTAGE	AMPERAGE START RUN	DBA AT 5'	CFM	INLETS NO SIZE	DIMENSIONS W D H H*				WT	
3025-1	2	Single	115/230	23/12	12/9	85	1200	1 8"	28"	35"	61"	102"	325
3025-3	2	Three	230/460	4/3	3/1	85	1200	1 6"	26"	35"	61"	102"	325
3035-3	3	Three	230/460	8/4	3/4	80	1500	1 7"	26"	35"	61"	102"	340
3055-3	5	Three	230/460	14/7	8/4	79	2500	1 10"	54"	38"	-	144"	400
3900-3	7.5	Three	230/460	17/9	3/5	79	3900	1 12"	54"	65"	-	144"	1000
3910-3	10	Three	230/460	24/12	10/5	79	5000	1 14"	54"	65"	-	144"	1000

\*Height with hopper off stand.