

IRD Dust Collectors

Models 260-IRD through 560-IRD

An easy and economical solution for a wide range of dust collection applications.



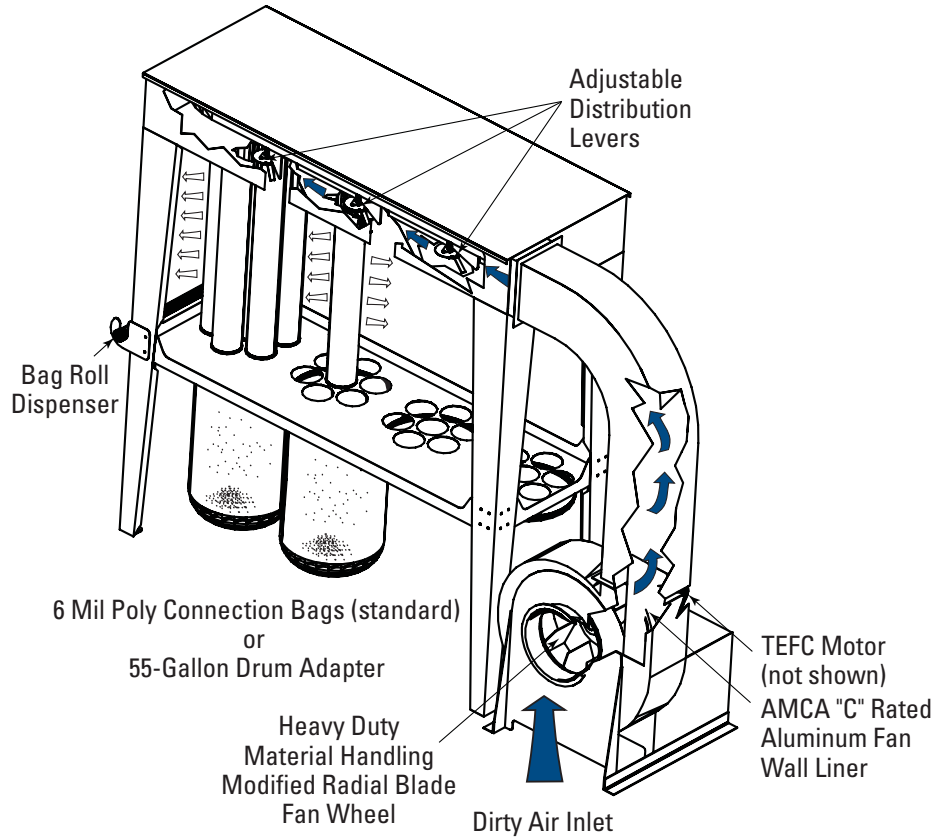
460-IRD

(shown with optional shaker)

- Complete dust collection package includes fan, fan motor, push-button fan starter, filter bags and clear plastic dust disposal bags.
- 1800 RPM fan provides high vacuum pressure with low operating sound levels to help keep workplaces clean and sound levels down.
- Downflow air pattern allows airflow and gravity to take filtered dust to collection receptacles for longer filter bag life and reduced pressure drop.
- Optional automatic shaker is available for even better collector performance.
- Adjustable airflow baffles equalize dust dispersion to all collection receptacles to minimize emptying cycles.
- Cageless filters and tool-free filter replacement reduce maintenance time.
- Returns filtered air to interior workspace to help reduce HVAC costs.
- Fans with higher static pressure available for more demanding applications.

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Operational Explanation



Dust laden air is pushed into the dirty air plenum by a high volume, high pressure heavy duty material handling fan. The dusty air is evenly distributed down inside of the high flow polyester bags which capture the dust and allow clean air to pass back into the work environment.

Dust captured inside the bag is carried down into the dust receptacles at the bottom of the collector via gravity and airflow. An optional automatic shaker is available for even better collector performance.

Model	Fan (hp)	Air Volume (cfm) / Static Pressure at Fan Inlet ("wg)*							
		6 ("wg)	7 ("wg)	8 ("wg)	9 ("wg)	10 ("wg)	11 ("wg)	12 ("wg)	13 ("wg)
260-IRD-5R**	5	—	—	—	—	1550	1450†	1350	1225
260-IRD-7.5	7.5	3600	2350	—	—	—	—	—	—
360-IRD-7.5R	7.5	—	—	—	—	2175	2025	1850	1650
360-IRD-10	10	—	—	3700	2850	2125	—	—	—
360-IRD-10R	10	—	—	—	—	2900	2675	2450	2250
360-IRD-15	15	—	—	4800	4050	2400	—	—	—
460-IRD-15	15	—	—	4800	4050	2400	—	—	—
460-IRD-15R	15	—	—	—	—	5050	4350	3900	—
460-IRD-20	20	—	—	6875	6375	5875	5325	—	—
560-IRD-25	25	—	—	9050	8375	7725	6975	—	—

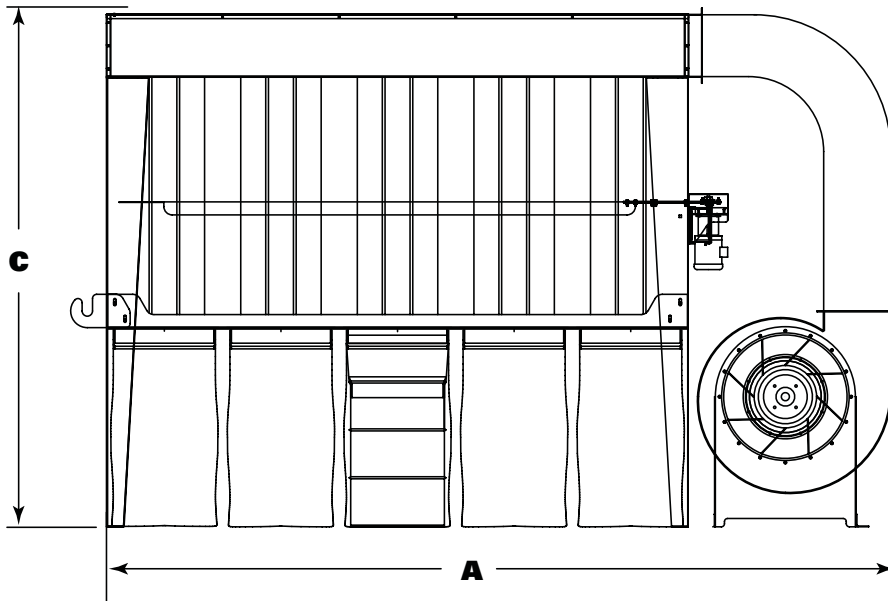
* Table data allows for 2 "wg collector loss with clean filter bags.

** Models with "R" at the end have higher static fans.

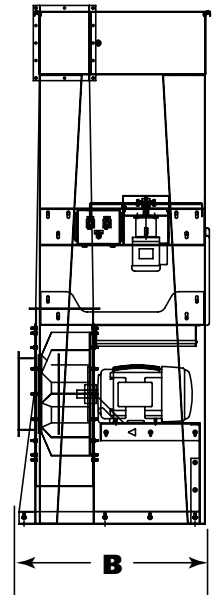
† Bold type is typical airflow applications.

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Dimensions & Specifications



Model 560-IRD25 (shown w/optional shaker motor)
Front View



Model 560-IRD25
Side View

The drawing above shows both dust receptacle options. Four receptacles show the clear plastic bag option and the center receptacle shows the 55 gallon drum adapter with customer supplied 55 gallon drum.

Model	Nominal Airflow Range* (cfm)	Cloth Area (ft ²)	Number of Filter Bags	No. of Dust Collection Receptacles	Dust Capacity w/plastic bags (cu ft)	Motor (hp)	Shipping Weight (lbs)	Dimensions (inches)		
								A	B	C
260-IRD-5R**	1350-1450	224	14	2	20	5	1100	96.4	43.9	124.6
260-IRD-7.5	2350-3600	224	14	2	20	7.5	1350	104.1	45.3	124.6
360-IRD-7.5R	1850-2025	337	21	3	30	7.5	1300	124.7	43.9	124.6
360-IRD-10	2850-3700	337	21	3	30	10	1710	124.1	44.4	124.6
360-IRD-10R	2450-2675	337	21	3	30	10	1350	124.1	43.9	124.6
360-IRD-15	4050-4800	337	21	3	30	15	1890	137.1	45.5	124.6
460-IRD-15	4050-4800	449	28	4	40	15	2070	165.1	45.5	124.6
460-IRD-15R	3900-4350	449	28	4	40	15	2140	170.5	45.1	124.6
460-IRD-20	5875-6375	449	28	4	40	20	2200	170.5	45.3	124.6
560-IRD-25	7725-8375	561	35	5	50	25	2450	198.5	46.3	124.6

* Table data allows for 2 "wg collector loss with clean filter bags.

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Standard Features & Equipment Options

	Standard	Optional		Standard	Optional
Collector Design			Paint System		
Down Flow Design	X		Liquid Alkyd Finish	X	
Airflow Balancing Baffles and Levers	X		Standard Colors: Torit Blue or Storm White	X	
Cageless Filter Design	X		Dust Collection Receptacles		
Tool-Free Filter Removal	X		50 - 6 Mil Clear Plastic Disposal Bags with 10 Cubic Foot Capacity	X	
Minimum 14 Gauge Carbon Steel Construction	X		Quick Opening Cam Clamps for Disposal Bag Change	X	
12 Gauge Carbon Steel Tubesheet	X		55 Gallon Drum Adapters		X
Integral Dust Disposal Bag Storage Rack	X		Support Structure		
Direct Drive High Output Material Handling Fan	X		10 Gauge Carbon Steel Construction	X	
AMCA "C" Rated Aluminum Fan Wall Liner	X		Electrical Controls, Gauges and Enclosures		
240/460, 3 Phase TEFC Motor	X		Push Button Magnetic Fan Starter in NEMA 1 Enclosure	X	
Filter to Fan Transition	X		Shaker Controls in NEMA 4 Enclosure (comes with the following features)		X
1/3 HP Auto Shaker		X	<ul style="list-style-type: none"> • Manual and Automatic Shake Switch • On-Time Automatic Shake Adjustment Dial • Off-Time Automatic Shake Adjustment Dial • 120 Volt Cord 		
Exterior Weather Kit		X	Warranty		
Filter Bags			1-Year Warranty	X	
7" Diameter x 60" Long High Flow Polyester Bags	X				



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