

# HEAVY DUTY CYCLONES

**IMPERIAL**  
SYSTEMS, INC.

*Our Cyclone Dust Collectors provide superior dust containment for a variety of applications.*

## **Advantages**

- **Engineered by the Dust Collection Experts**
- **Robust 12 Gauge Carbon Steel Construction**
- **Stitch Welded Interiors**

## **Features**

- Custom engineering to meet specific applications
- Coned tops for rain run-off
- Fabricated from carbon steel, aluminum, stainless steel and AR plate
- Fully welded construction from 12 gauge to 3/8" plate on some models
- Used in a variety of industries
- 12" inspection door above material discharge
- Standard colors are Imperial white or tan

## **Three Standard Models**

- IS-C Standard Efficiency:  
*120 CFM to 8,000 CFM*
- IS-HE High Efficiency:  
*7,000 CFM to 45,000 CFM*
- IS-UHE Ultra High Efficiency:  
*2,000 CFM to 13,000 CFM*

## **Options**

- Structural Supports custom engineered to meet customer's requirements
- Inlet and outlet transitions for duct connections
- Outlet dampers
- Vortex breaker / Expansion chamber
- Insulation for high temp applications
- Rubber lined body and cones for high abrasion applications
- Inlet linings out of AR plate, stainless steel, rubber, etc.
- Multiple inlets and back draft dampers
- Ceramic linings for high temp and abrasive applications
- Efficiency guarantee if required
- Particle laboratory testing
- Multi-clone model available

*Imperial Systems, Inc. is your dust collection & air pollution control expert; from designing and installing dust collection systems to manufacturing industry leading products, engineered for outstanding quality, safety and value.*

**All of our products can be fabricated to meet specific needs.**

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Disclaimer: Imperial Systems, Inc. is not responsible for typographical errors that may appear.



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## IS-C STANDARD EFFICIENCY: 120 CFM TO 8,000 CFM

MODEL	CFM	WEIGHT (LBS)	A	B	C	F	G	J	K	L	M	N	P
ISC13	100-300	80	13	6	6	5	4	11	17	4 7/16	3	8	26 9/16
ISC17	200-500	145	17	7 13/16	6	5 3/8	5	13 5/16	26 5/8	5 13/16	3 3/8	8	26 9/16
ISC20	300-700	200	20	9 3/16	6	6 5/16	6	15 11/16	29 1/16	6 13/16	4	8	26 9/16
ISC30	500-1200	380	30	13 3/4	10	9 1/2	8	23 1/2	45 5/8	10 1/4	6	12	40 3/4
ISC36	800-2200	550	36	16 1/2	10	11 3/8	10	28 3/16	58 1/2	12 5/16	7 3/16	12	40 3/4
ISC42	1200-3000	710	42	19 1/4	10	13 5/16	11	32 7/8	71 7/16	14 3/8	8 3/8	12	40 3/4
ISC51	1700-4000	1050	51	22 15/16	10	15 13/16	14	39 3/16	91 11/16	17 1/16	10	12	40 3/4
ISC60	2500-6000	1420	60	27 1/2	10	19	16	47	110 3/16	20 7/8	12	12	40 3/4
ISC68	3200-8000	1790	68	31 3/16	10	21 9/16	18	53 1/4	127 7/16	23 1/4	13 5/8	12	40 3/4



## IS-H HIGH EFFICIENCY: 7,000 CFM TO 45,000 CFM

MODEL	CFM	WEIGHT (LBS)	A	B	C	D	E	F	G	H	I	J
ISH51	6200-8800	1309	51	205 3/4	108 1/8	49 7/16	165 5/8	193 1/8	13	31	16	16
ISH54	7200-10200	1437	54	213 11/16	113 3/4	49 7/16	171 1/4	199 3/4	15	31	18	18
ISH60	8600-12200	1693	60	240 3/8	124 15/16	49 7/16	193 7/16	225 7/16	15	37	19	19
ISH68	11000-15600	2072	68	270 1/4	140 1/8	49 7/16	218 1/8	253 5/8	17	42	21	21
ISH74	13200-18800	2374	74	292	151 5/16	49 7/16	234 13/16	273 5/16	19	45	24	24
ISH85	17700-25100	3104	85	333 7/16	171 13/16	49 7/16	268 13/16	312 5/16	22	52	27	27
ISH96	22800-32400	5576	96	378	194 3/8	76 13/16	304 7/8	353 7/8	25	59	31	31
ISH108	2860-40600	6883	108	420 7/16	216 3/4	76 13/16	340 3/4	395 1/4	28	66	35	35
ISH120	35600-50400	8400	120	469	239 1/4	76 13/16	378 1/4	438 3/4	32	74	39	39
ISH132	42700-60500	9682	132	512 7/16	261 5/8	76 13/16	414 1/8	479 5/8	34	81	42	42
ISH144	50500-71600	11369	144	556 15/16	284 1/16	76 13/16	450 1/16	521 1/16	37	88	46	46



## IS-UHE ULTRA HIGH EFFICIENCY: 2,000 CFM TO 13,000 CFM

MODEL	CFM	WEIGHT (LBS)	A	B	C	D	E	F	G	H	J	K	P	R
ISUHE21	2100-2500	366	21	94 11/16	50 3/16	15	6	9 1/2	13 7/8	29 3/4	19	25 3/4	39 3/4	22 1/2
ISUHE24	2800-3200	454	24	108 9/16	56 13/16	18	6 1/2	10 3/4	15 1/8	32 13/16	21 1/2	25 3/4	46 3/8	27
ISUHE27	3500-4000	582	27	120 1/2	63 1/2	20	7 1/4	12	16 3/8	35 15/16	24	37 5/8	51	30
ISUHE30	4200-4800	689	30	132 3/8	70 1/8	22	8	13 1/4	17 5/8	38 15/16	26 1/2	37 5/8	55 5/8	33
ISUHE33	5300-6100	828	33	144 11/16	76 11/16	24	9 1/4	15	19 3/8	42	30	37 5/8	60 1/2	36
ISUHE36	6600-7600	945	36	153 5/8	81 1/8	25 1/2	10 3/4	16 1/2	20 7/8	45 1/16	33	37 5/8	64 1/4	38 1/4
ISUHE39	7700-8800	1132	39	174 3/16	97 7/16	27	11 3/4	17 3/4	22 1/8	48 1/16	35 1/2	39 7/16	67 7/8	40 1/2
ISUHE43	9400-10,800	1328	43	188 3/4	104	30	13	19 3/4	24 1/8	52 1/8	39 1/2	39 7/16	74 7/8	45
ISUHE47	10,200-12,600	1532	47	202 15/16	110 11/16	33	13 3/4	21 1/4	25 5/8	56 3/16	42 1/2	39 7/16	81 5/8	49 1/2



Drawings are for representation only.  
Refer to certified sales drawings for accurate representation.

Proud Product Representative

