

DUCT
VENTILATION

ROOF MOUNT
VENTILATION

WALL MOUNT
VENTILATION

EXPLOSION
PROOF FANS

UTILITY, PRESSURE
& RADIAL BLOWERS

DAMPERS
& LOUVRES

AIR CIRCULATORS
& MANCOOLERS

ACCESSORIES
& MOTORS

CONTROLS
& THERMOSTATS

LIGHTING
& BULBS



CANARM.... PROVIDING CUSTOMERS WITH VALUE, KNOWLEDGE AND QUALITY PRODUCTS



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NOTE:



Commercial products ship from our Brockville, Ontario location and ship collect.

Contact your Sales Representative for details.



IN A HURRY?

Get select blowers and axial fans fast when you're in a hurry or need an emergency replacement.

Ask your Sales Representative for details.

DFRC-ES SERIES CIRCULAR DUCT FANS

High efficient inline duct fans are ideal for residential and commercial ventilation applications such as range hoods, bath fans & dryers.

DFRC-ES Series in-line duct fans from Canarm are versatile, energy efficient and can effectively ventilate meeting rooms, bathrooms and other hard to ventilate areas. DFRC-ES fans can also be used to boost airflow in long runs of round duct.

Available in 4", 5", 6", 8", 10" and 12" diameters the DFRC-ES series features a high quality external rotor motor and a quiet, efficient backward curved impeller for effective airflow even under higher static pressures.

FEATURES

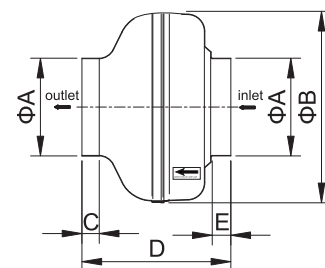
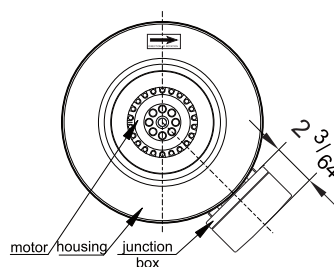
- Available in 4", 5", 6", 8", 10" and 12" diameters.
- Quiet and efficient backward curved impeller
- Powerful, efficient external rotor motor
- Speed controllable with Canarm MC series controls
- High flow against high static pressure
- Remove noise from main living area by mounting remotely
- Quick and easy installation.

PERFORMANCE DATA

MODEL	PART #	DIAMETER	POWER RATING (V)	INPUT POWER (W)	ELECTRIC CURRENT (A)	SPEED (RPM)	SOUND LEVEL (dB)	NET WEIGHT	CFM @ STATIC PRESSURE									ENERGY EFFICIENCY (CFM/WATT)
									0.0" SP	0.2" SP	0.4" SP	0.6" SP	0.8" SP	1.0" SP	1.5" SP	2.2" SP	2.5" SP	
DFRC-4ES	DJT10-25H	4"	120	40	0.35	2912	60	7 lbs	157	135	113	89	67	29	--	--	--	3.2
DFRC-5ES	DJT12-35H	5"	120	53	0.45	2593	62	7 lbs	202	167	133	107	81	52	21	--	--	3.0
DFRC-6ES	DJT15-46H	6"	120	74	0.63	2534	61	8 lbs	273	236	198	163	131	92	47	--	--	3.1
DFRC-8ES	DJT20-56H	8"	120	128	1.19	3158	70	13 lbs	484	457	426	393	350	306	241	89	--	3.5
DFRC-10ES	DJT25-66H	10"	120	140	1.20	3028	71	13 lbs	598	556	509	460	412	359	260	87	--	3.9
DFRC-12ES	DJT31-66J	12"	120	203	1.77	2443	70	16 lbs	815	710	579	424	319	263	185	93	62	3.5

DIMENSIONS

MODEL	PART #	ØA	ØB	C	D	E	IMPELLER DIAMETER
DFRC-4ES	DJT10-25H	4"	9 1/2"	5/8"	8 3/8"	5/8"	Ø6 1/8"
DFRC-5ES	DJT12-35H	5"	9 1/2"	7/8"	7 1/2"	1"	Ø6 7/8"
DFRC-6ES	DJT15-46H	6"	10 5/8"	3/4"	7 5/8"	5/8"	Ø7 1/2"
DFRC-8ES	DJT20-56H	8"	13 1/2"	1 1/8"	9"	7/8"	Ø8 5/8"
DFRC-10ES	DJT25-66H	10"	13 1/2"	1 1/8"	9"	1 1/8"	Ø9 1/2"
DFRC-12ES	DJT31-66J	12"	15 3/4"	1 1/8"	10 1/4"	1 1/8"	Ø9 7/8"



ACCESSORIES



MOUNTING
CLAMPS



BACKDRAFT
DAMPERS



EXHAUST &
SUPPLY GRILL



MC CONTROLS



SENSORS



CONTROL TIMERS



DUCT FANS



Significantly improves airflow in rooms that are too cold or too hot.

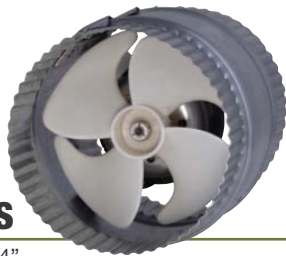
If you have trouble regulating your cooling and heating, a duct fan might be your affordable solution. Duct Fans increase the efficiency of a forced air furnace/ air conditioning system.

FEATURES

- Solves airflow problems without any large expenses
- Can be installed at any angle
- Saves on utility bills



- Can boost airflow up to 80%
- Quiet operation
- One year warranty



DA4S

- Size: 4"
- Metal construction
- Blades type: polycarbonate
- Mounting: in-line
- Max boosted CFM: 75
- Free air CFM: 62
- dBA/sones: 52/2.4
- Housing length: 6"
- Crimped on both ends
- Weight: 1.37 lbs



DA5S

- Size: 5"
- Metal construction
- Blades type: polycarbonate
- Mounting: in-line
- Max boosted CFM: 128
- Free air CFM: 73
- dBA/sones: 51/2.2
- Housing length: 6"
- Weight: 1.85 lbs



DA6S

- Size: 6"
- Metal construction
- Blades type: polycarbonate
- Mounting: in-line
- Max boosted CFM: 255
- Free air CFM: 165
- dBA/sones: 52/2.4
- Housing length: 6"
- Weight: 2.14 lbs



DA8S

- Size: 8"
- Metal construction
- Blades type: polycarbonate
- Mounting: in-line
- Max boosted CFM: 500
- Free air CFM: 212
- dBA/sones: 54/2.8
- Housing length: 8"
- Weight: 3.59 lbs



D10S

- Size: 10"
- Metal construction
- Blades type: aluminum
- Mounting: in-line
- Max boosted CFM: 647
- Free air CFM: 300
- dBA/sones: 55/3
- Housing length: 8"
- Weight: 4.63 lbs



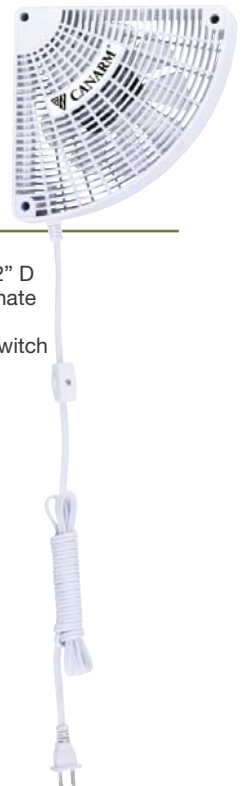
DB6S

- Size: 6" to 8"
- Metal construction
- Blades type: polycarbonate
- Mounting: in-line
- Max boosted CFM: 253
- Free air CFM: 170
- dBA/sones: 50/2.2
- Housing length: 4" x 11"
- Weight: 1.72 lbs



DA6V

- Size: 6"
- Metal construction
- Blades type: polycarbonate
- Mounting: in-line
- Max boosted CFM: 295
- Free air CFM: 160/175
- dBA/sones: 50/52 2.4
- Housing length: 6"
- Weight: 2.14 lbs



DF7

- Doorway Fan
- Size: 7" H x 7" W x 31/2" D
- Blades type: polycarbonate
- Mounting: door corner
- Cord and plug, in-line switch
- dBA/sones: 50
- Weight: 2.31 lbs

BPT SERIES BATHROOM EXHAUST FANS

- Canarm BPT series bathroom ventilators are high quality, low noise units which meet the needs of today's quality builders and contractors.
- With CFM ratings of 70, 110 and 150, we have units to meet every size bathroom.
- All Canarm BPT series bathroom fans are EnergyStar and HVI certified for energy efficiency, CFM and low sones.

BPT12-13H

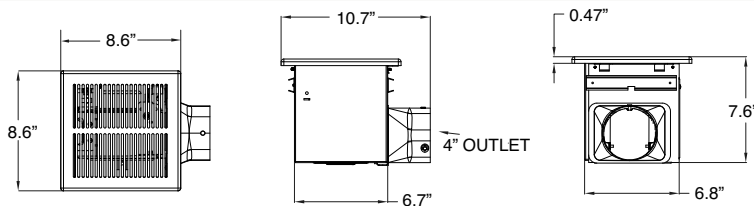
FOR BATHROOM SIZE UP TO 75 FT²



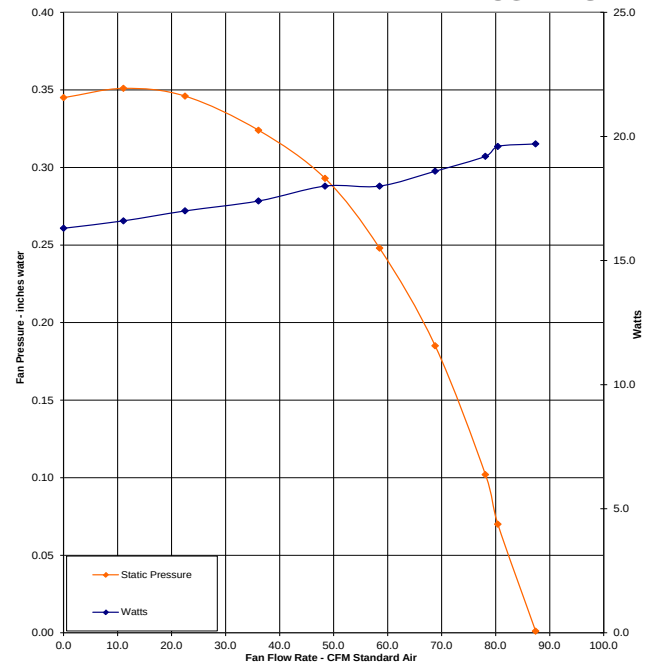
- 70 CFM
- 1 sone
- 17 Watts
- 120 V Motor
- 4" outlet
- Comes with plastic grill
- Shipping weight: 8.0 lbs.



DIMENSIONS



FAN CURVES



BPT18-34A-1

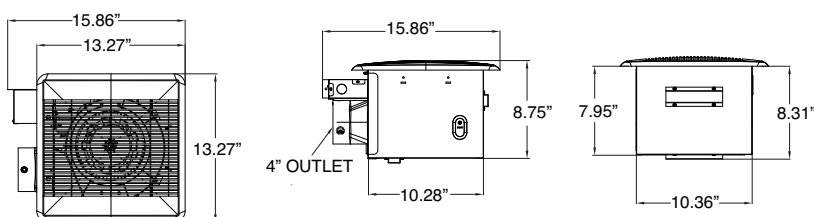
FOR BATHROOM SIZE UP TO 105 FT²



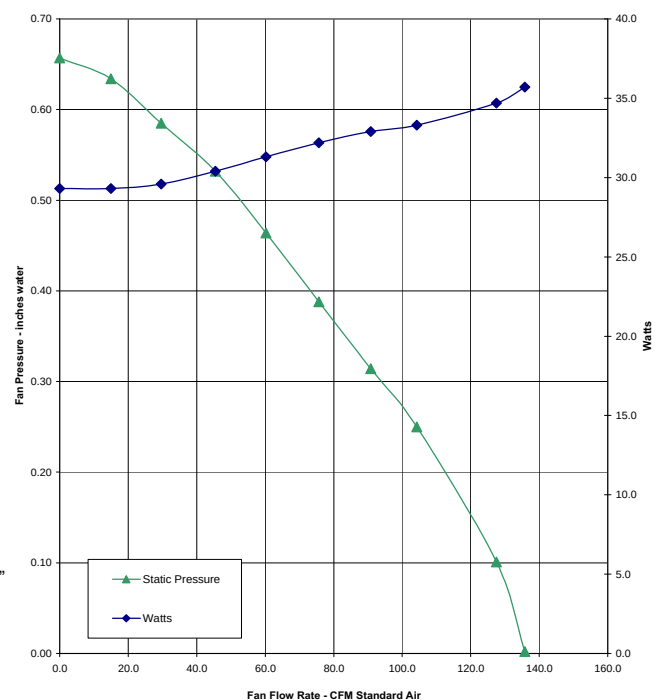
- 110 CFM
- 1 sone
- 31 Watts
- 120 V Motor
- 4" outlet
- Comes with plastic grill
- Shipping weight: 13.9 lbs.



DIMENSIONS



FAN CURVES



BPT SERIES BATHROOM EXHAUST FANS

BPT18-54A-1

FOR BATHROOM SIZE UP TO 200 FT²

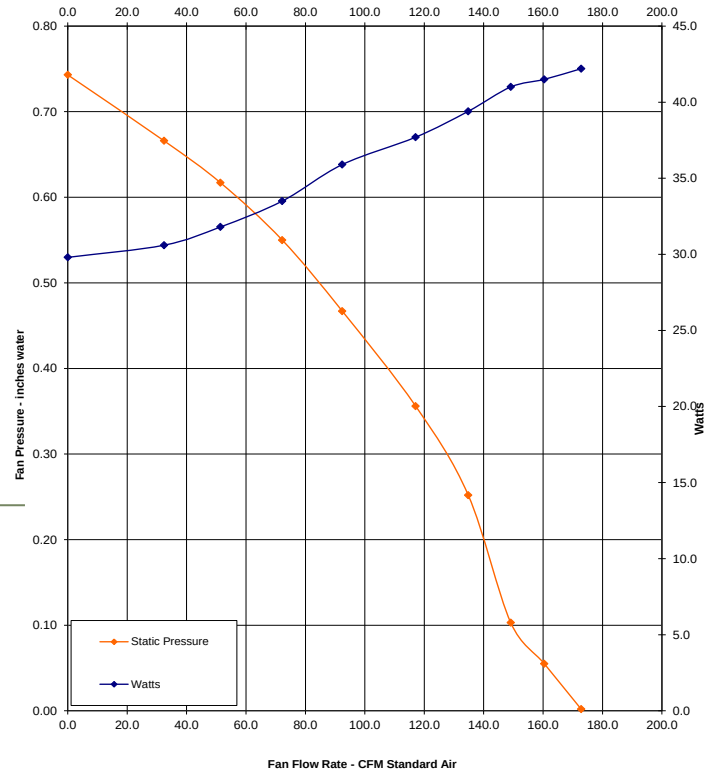
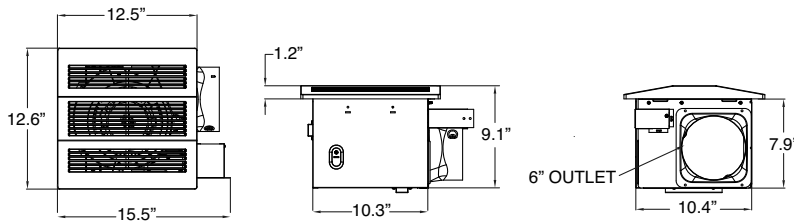
FAN CURVES



- 150 CFM
- 1.5 sone
- 42 Watts
- 120 V Motor
- 6" outlet
- Comes with plastic grill
- Shipping weight: 15.7 lbs.



DIMENSIONS



OPTIONAL CONTROLS & TIMERS

CONTROL



KHG603

7 DAY HEAVY DUTY WALL MOUNT TIMER

- 3 way relay control
- automatic or manual operation
- program up to 18 On/Off settings per week
- large digital LCD display
- built-in memory
- multiple daily settings
- standard decorator style wall plate included



KHG602

60 MINUTE WALL MOUNT RELAY CONTROL TIMER

- in-wall relay control
- seven button preset time switch
- replaces a standard light or fan, single pole switch
- works with most common lighting types
- for use in interior lighting and outdoor lighting
- time delay: 1, 5, 10, 20, 30, 60 minutes
- standard decorator wall plate included



KHG601

150° 980 SQ.FT. WALL MOUNT MOTION ACTIVATED SENSOR

- passive infrared relay control
- turns lights on/off
- manual On/Off setting allows use as a regular switch
- time delay off setting is adjustable from 15 seconds to 30 minutes
- adjustable sensitivity settings
- standard decorator wall plate included

BELT DRIVE TUBE AXIAL DUCT FANS

Designed for duct connected applications such as paint booth exhaust, air make-up fans, general exhaust, etc.



Paint color on HTA models is beige.

FEATURES

BTA

- Adjustable motor base.
- Heavy duty pillow block ball bearings with high temperature grease.
- Extended lube lines with external grease fittings.
- TEFC motors are standard.
- Cast aluminum blades up to 48"; fans 54" & 60" have polypropylene reinforced fiberglass blades.
- Airfoil shaped belt tube for improved efficiency; motor, belts, drives and bearings are isolated from air stream.

WTA

- Heavy duty pillow block bearings with moisture displacement collars + stainless steel shaft.

HTA

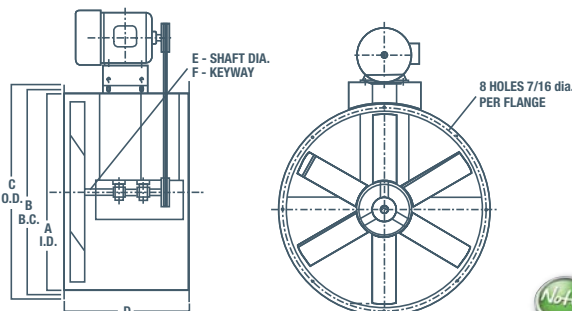
- Paint color is beige on these models, high temperature bearings and grease.



Non-stock, made-to-order products are non-returnable and cannot be cancelled.

DIMENSIONS

FAN SIZE	A	B	C	D	E	F	WEIGHT (LBS) (less motors & accessories)
12"	12"	14"	15 1/8"	17"	3/4"	3/16"	53
15"	15 3/8"	17"	18 3/8"	17"	3/4"	3/16"	62
18"	18 3/8"	20"	21 3/8"	21"	1"	1/4"	76
24"	24 3/8"	25 7/8"	27 3/8"	21"	1 3/16"	1/4"	132
30"	30 3/8"	32 3/8"	33 3/8"	21"	1 7/16"	3/8"	174
34"	34 3/8"	36 3/8"	37 3/8"	27"	1 7/16"	3/8"	225
36"	36 3/8"	38 3/8"	39 3/8"	27"	1 7/16"	3/8"	239
42"	42 3/8"	44 3/8"	45 3/8"	32"	1 7/16"	3/8"	326
48"	48 3/8"	50 3/8"	51 3/8"	32"	1 15/16"	1/2"	420
54"	54 3/8"	56 3/8"	57 3/8"	40"	1 15/16"	1/2"	552
60"	60 3/8"	62 3/8"	63 3/8"	40"	1 15/16"	1/2"	601



BTA - For clean, dry air with a maximum temperature of 200°F (95°C)

WTA - For moisture laden air with a maximum temperature of 200°F (95°C)

HTA - For clean, dry air with a maximum temperature of 375°F (190°C)



To order WTA or HTA models, replace "BTA" with "WTA" or "HTA" in the table below.

PERFORMANCE SPECIFICATIONS

	MODEL #		RPM	H.P.	dBA @ 5 ft.	CFM @ STATIC PRESSURE									
	SINGLE PHASE	THREE PHASE				0"	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	
12"	BTA12T10033	BTA12T30033*	2535	1/3	60	2100	2020	1950	1890	1800	-	-	-	-	
	BTA12T10050	BTA12T30050*	2865	3/4	64	2370	2330	2240	2190	2120	1940	1590	-	-	
	BTA12T10075	BTA12T30075*	3290	0.75+	70	2720	2660	2610	2550	2500	2380	2200	1890	-	
	BTA12T10200	BTA12T30200*	3645	2+	74	3020	2970	2910	2860	2810	2720	2600	2420	2150	
15"	BTA15T10033	BTA15T30033*	1850	1/3	61	2780	2640	2480	2290	2050	-	-	-	-	
	BTA15T10050	BTA15T30050*	2105	3/4	66	3170	3040	2910	2710	2580	2110	-	-	-	
	BTA15T10075	BTA15T30075*	2405	3/4	72	3620	3510	3410	3350	3150	2810	2380	-	-	
	BTA15T10100	BTA15T30100*	2660	1.0	75	4000	3910	3810	3690	3590	3320	2990	2570	1140	
	BTA15T10150	BTA15T30150*	3040	1.5+	81	4580	4490	4390	4330	4220	3940	3780	3480	3150	
18"	BTA18T10050	BTA18T30050*	1556	3/4	58	4110	3930	3760	3540	3260	1760	-	-	-	
	BTA18T10075	BTA18T30075*	1785	3/4	61	4680	4530	4380	4210	4020	3440	1930	-	-	
	BTA18T10100	BTA18T30100*	1920	1.0	63	5040	4890	4750	4610	4440	4010	3290	1800	1210	
	BTA18T10150	BTA18T30150*	2255	1.5	68	5920	5790	5670	5550	5430	5140	4770	4210	3410	
24"	BTA18T10200	BTA18T30200*	2510	2.0	72	6590	6490	6360	6280	6150	5930	5650	5260	4790	
	BTA24T10075	BTA24T30075*	1180	3/4	58	6750	6325	5880	5360	4700	2180	-	-	-	
	BTA24T10100	BTA24T30100*	1295	1.0	61	7400	7020	6620	6180	5690	4690	1980	-	-	
	BTA24T10150	BTA24T30150*	1475	1.5	64	8430	8090	7680	7390	7000	6010	4320	3110	-	
30"	BTA24T10200	BTA24T30200*	1620	2.0	67	9260	8960	8640	8330	7990	7220	6190	6080	4130	
	BTA24T10300	BTA24T30300*	1890	3.0	72	10800	10670	10290	10060	9730	8890	8480	7640	6510	
	BTA30T10100	BTA30T30100*	965	1.0	58	10800	10050	9190	8100	6610	2620	-	-	-	
	BTA30T10150	BTA30T30150*	1095	1.5	61	12320	11650	11000	10130	9140	5210	2770	-	-	
36"	BTA30T10200	BTA30T30200*	1225	2.0	64	13810	13170	12550	11930	11100	9120	5260	5320	-	
	BTA30T10300	BTA30T30300*	1380	3.0	67	15490	14910	14540	13930	13270	11790	9830	10860	4130	
	BTA30T10500	BTA30T30500*	1635	5.0	73	18410	17850	17540	17160	16590	15470	14280	12820	10810	
	BTA34T10150	BTA34T30150*	895	1.5	61	15100	14000	12880	11300	9420	4800	-	-	-	
34"	BTA34T10200	BTA34T30200*	960	2.0	62	16200	15180	14060	12880	11300	5280	3450	-	-	
	BTA34T10300	BTA34T30300*	1125	3.0	66	19000	18120	17220	16270	15200	12350	8070	5320	-	
	BTA34T10500	BTA34T30500*	1320	5.0	72	22300	21550	20770	20130	19060	17220	14900	10860	8310	
	BTA34T10750	BTA34T30750*	1520	7.5	75	25700	25010	24350	23730	23040	21610	19830	17820	14760	
36"	BTA36T10200	BTA36T30200*	910	2.0	63	17820	16650	15420	13980	12190	7310	-	-	-	
	BTA36T10300	BTA36T30300*	1045	3.0	66	20490	19220	18410	17550	16020	12050	8270	5190	-	
	BTA36T10500	BTA36T30500*	1245	5.0	71	24410	23610	22850	21780	20070	18650	15890	11520	9140	
	BTA36T10750	BTA36T30750*	1425	7.5	75	27930	27110	26380	25790	24830	23230	21220	18850	15290	
42"	BTA42T10200	BTA42T30200*	770	2.0	60	20690	19920	17310	15080	11320	-	-	-	-	
	BTA42T10300	BTA42T30300*	895	3.0	64	24120	22840	21430	19620	17680	10290	-	-	-	
	BTA42T10500	BTA42T30500*	1005	5.0	67	27070	25980	24640	23230	21810	17750	10780	6820	-	
	BTA42T10750	BTA42T30750*	1205	7.5	72	32420	31520	30640	29530	28290	25760	22510	16620	12290	
48"	BTA42T11000	BTA42T31000*	1335	10.0	75	35910	35170	34340	33410	32390	30120	27730	24640	19620	
	BTA48T10300	BTA48T30300*	745	3.0	63	25790	24330	22450	20510	17780	-	-	-	-	
	BTA48T10500	BTA48T30500*	885	5.0	67	30710	29440	27810	26370	24690	20570	14310	-	-	
	BTA48T10750	BTA48T30750*	1005	7.5	71	34830	33850	32310	31080	29810	26690	22390	17120	-	
54"	BTA48T11000	BTA48T31000*	1105	10.0	73	38300	37270	36210	34760	33670	31090	28120	23710	18930	
	-	BTA48T1500*	1265	15.0	76	43870	42900	42230	40860	39850	37760	35620	32760	29450	
	BTA54T10500	BTA54T30500*	710	5.0	69	39490	37130	34510	31680	28260	-	-	-	-	
	BTA54T10750	BTA54T30750*	810	7.5	72	45020	42890	40760	38660	35890	29810	20380	-	-	
60"	BTA54T11000	BTA54T31000*	905	10.0	75	50330	48450	46590	44640	42420	37520	31620	22910	15230	
	-	BTA54T1500*	1025	15.0	78	57010	55520	53850	52110	50170	46260	42140	36610	28880	
	BTA60T10750	BTA60T30750*	690	7.5	68	54300	51240	48620	45760	43110	37820	32880	25690	-	
	BTA60T11000	BTA60T31000*	755	10.0	70	59420	56770	54150	51490	48410	43930	39330	36420	32880	
60"	-	BTA60T1500*	870	15.0	73	68490	66320	63840	61710	59300	53450	48310	43110	38880	
	-	BTA60T2000*	955	20.0	76	75110	73090	70670	68880	67010	62340	55910	47640	35870	

For three phase motors, substitute "*" with "M" for 230/460 volt (If 208V required please specify) or "P" for 575 volt + Motor RPM is 3450. All others are 1750.

dBA ratings shown are measured at 0" static pressure and should be used as a guideline only

OPTIONS & ACCESSORIES

For a complete listing of all available options and accessories available for this fan and ordering guidelines, see page A18.

When ordering, replace "T" (in chart above) with ALL letters of the options and accessories required, as shown on page 7.



Options must be requested at time of order, as they cannot be added later.

DDA - DIRECT DRIVE TUBE AXIAL DUCT FANS

Minimum maintenance. Maximum efficiency.

DDA - For clean, dry air with a maximum temperature of 100°F (40°C)

PERFORMANCE SPECIFICATIONS

MODEL #			RPM	H.P.	dBA @ 5 ft.	CFM @ STATIC PRESSURE					
SINGLE PHASE		THREE PHASE				0"	1/4"	1/2"	3/4"	1"	1 1/4"
12"	DDA12T10033B	DDA12T30033B*	1750	1/3	49	1450	1230	313	-	-	-
	DDA12T10200A	DDA12T30200A*	3450	2.0	72	2860	2740	2640	2530	2410	2140
15"	DDA15T10033B	DDA15T30033B*	1750	1/3	65	2630	2320	1840	-	-	-
	DDA18T10033C	DDA18T30033C*	1140	1/3	49	2990	2450	845	-	-	-
18"	DDA18T10075B	DDA18T30075B*	1750	3/4	61	4590	4280	3910	3260	1750	-
	DDA24T10050C	DDA24T30050C*	1140	0.5	52	4990	4180	2920	1210	-	-
24"	DDA24T10100C	DDA24T30100C*	1140	1.0	57	6520	5630	4380	1920	813	-
	DDA24T10150C	DDA24T30150C*	1140	1.5	61	8710	7630	6020	2380	720	-
30"	DDA24T10150B	DDA24T30150B*	1750	1.5	65	7660	7160	6620	5980	5170	4020
	DDA24T10200B	DDA24T30200B*	1750	2.0	66	9210	8660	8090	7470	6660	5540
36"	DDA24T10300B	DDA24T30300B*	1750	3.0	71	11500	10900	10200	9490	8680	7540
	DDA30T10100C	DDA30T30100C*	1140	1.0	57	8680	7480	6000	3630	1550	-
42"	DDA30T10150C	DDA30T30150C*	1140	1.5	61	11800	10600	8950	6070	3070	-
	-	DDA30T30200C*	1140	2.0	62	12780	11490	9850	7320	3620	-
48"	-	DDA30T30300C*	1140	3.0	68	16400	14700	12700	8840	4120	-
	DDA30T10300B	DDA30T30300B*	1750	3.0	69	13300	12550	11700	11000	9980	8830
54"	DDA30T10500B	DDA30T30500B*	1750	5.0	73	18200	17350	16550	15200	14600	13880
	DDA30T10750B	DDA30T30750B*	1750	7.5	77	22600	21980	20650	19030	18300	17550
60"	-	DDA34T30200C*	1140	2.0	64	15300	13800	12000	10490	6070	3440
	-	DDA34T30300C*	1140	3.0	67	19300	17700	15600	12900	8620	6110
66"	-	DDA34T30500C*	1140	5.0	70	22500	20550	18300	13100	10200	6860
	DDA34T10500B	DDA34T30500B*	1750	5.0	76	18700	17820	16800	15700	14600	13660
72"	DDA34T10750B	DDA34T30750B*	1750	7.5	76	23500	22600	21500	20400	19300	18160
	-	DDA34T31000B*	1750	10.0	78	27800	26750	25500	24250	23300	22150
78"	-	DDA34T31500B*	1750	15.0	81	31300	30300	29100	28250	26600	25130
	-	DDA36T30200C*	1140	2.0	66	14000	12400	10600	8390	5530	-
84"	-	DDA36T30300C*	1140	3.0	67	19400	17550	15600	13100	8980	6450
	-	DDA36T30500C*	1140	5.0	68	23600	22050	19700	16850	11700	9220
90"	DDA36T10500B	DDA36T30500B*	1750	5.0	70	16200	15200	14200	12800	12200	11050
	-	DDA36T30750C*	1140	7.5	72	26100	23800	21600	18350	12900	9730
96"	DDA36T10750B	DDA36T30750B*	1750	7.5	78	21500	20400	19400	18350	17100	15850
	-	DDA36T31000B*	1750	10.0	79	29700	28550	27300	26150	24900	23700
102"	-	DDA36T31500B*	1750	15.0	81	34320	32960	31970	30680	29280	28030
	-	DDA42T30200D*	860	2.0	61	19200	16300	12400	6720	-	-
108"	-	DDA42T30300D*	860	3.0	63	23210	20230	16280	8980	3940	-
	-	DDA42T30500D*	860	5.0	66	28900	25600	20800	11100	6290	-
114"	-	DDA42T30500C*	1140	5.0	68	25500	23550	21100	18300	14200	10100
	-	DDA42T30750C*	1140	7.5	70	30690	28750	26190	23350	19410	12780
120"	-	DDA42T31000C*	1140	10.0	73	38300	35700	33100	29450	23000	15400
	-	DDA42T31000B*	1750	10.0	76	26700	25200	23750	22380	21100	19570
126"	-	DDA42T31500B*	1750	15.0	80	39100	38080	36700	34640	33500	32040
	-	DDA42T32000B*	1750	20.0	82	43300	42280	40860	39170	37600	36140
132"	-	DDA48T30500D*	860	5.0	66	29820	26940	23790	12790	12790	6740
	-	DDA48T30750D*	860	7.5	68	35700	32450	28600	16800	16800	8270
138"	-	DDA48T31000C*	1140	10.0	74	39500	37400	35000	29800	29800	26050
	-	DDA48T31500C*	1140	15.0	76	47300	45050	42300	36200	36200	33490
144"	-	DDA48T32000C*	1140	20.0	79	53900	51450	48400	42300	42300	37120

For three phase motors, substitute "*" with "M" for 230/460 volt (If 208V required please specify) or "P" for 575 volt + Motor RPM is 3450. All others are 1750.

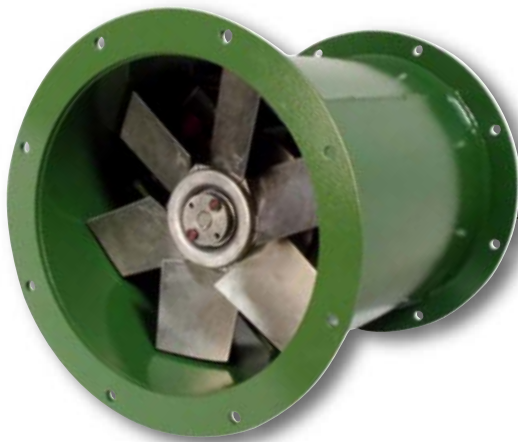
dBA ratings shown are measured at 0" static pressure and should be used as a guideline only

OPTIONS & ACCESSORIES

For a complete listing of all available options and accessories available for this fan and ordering guidelines, see page 7.

When ordering, replace "T" (in chart above) with ALL letters of the options and accessories required, as shown on page 7.

Options must be requested at time of order, as they cannot be added later.



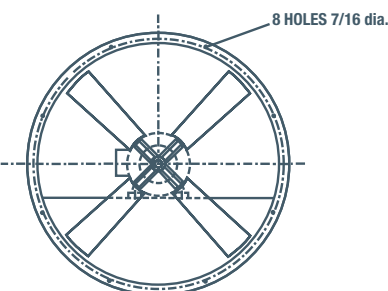
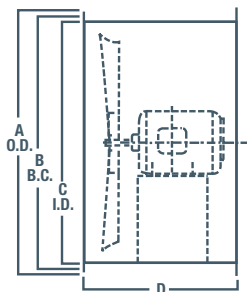
FEATURES

- Cast aluminum blades are standard.
- TEFC motors are standard.

Note Non-stock, made-to-order products are non-returnable and cannot be cancelled.

DIMENSIONS

FAN SIZE	A	B	C	D	WEIGHT (LBS) (less motors & accessories)
12"	15 1/8"	14"	12"	17"	37
15"	17 7/8"	17"	15 3/8"	17"	42
18"	20 7/8"	20"	18 3/8"	21"	55
24"	27 3/8"	25 7/8"	24 3/8"	21"	102
30"	33 3/8"	32 3/8"	30 3/8"	21"	138
34"	37 3/8"	36 3/8"	34 3/8"	27"	169
36"	39 3/8"	38 3/8"	36 3/8"	27"	181
42"	45 3/8"	44 3/8"	42 3/8"	32"	225
48"	51 3/8"	50 3/8"	48 3/8"	32"	308



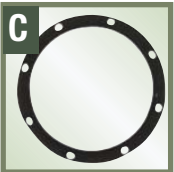
TUBE AXIAL DUCT FAN OPTIONS & ACCESSORIES



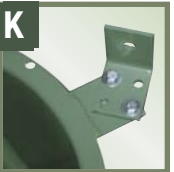
DISCONNECT SWITCH



MC - GUARDS



CR - COMPANION RING


SCV - VERTICAL
SUPPORT CLIPS

SCH - HORIZONTAL
SUPPORT CLIP


SPL - SUPPORT LEGS


MCVR - MOTOR
& BELT COVER


BLG - BELT GUARD



ID - INSPECTION DOOR



WC - WEATHER COVER

REFERENCE	ITEM	DESCRIPTION	SPECIAL ORDERING GUIDELINES
A	Disconnect Switch (Accessory)	See page K4 in Controls & Thermostats section for more information.	Ships loose. Available as an accessory ordered separately.
B	Inlet Guard (Accessory)	• Spiral plated OSHA guard.	To order installed, add letter to part number. Also available as an accessory ordered separately.
J	Outlet Guard (Accessory)	• Fits intake or exhaust. • Can be used in conjunction with companion ring.	
C	Companion Rings (Accessory)	• 1/4" plate angle ring. • Used to attach guards or ducts to tube axial fans.	To order installed, add letter to part number. Also available as an accessory ordered separately.
D	Vertical Support Clips (Accessory)	• 1/4" plate vertical support clips are welded onto fan. • Four clips per end.	Must be requested at time of order.
K	Horizontal Support Clips (Accessory)	• 1/4" plate horizontal support clips. • Bolts to the vertical support clips welded onto the fan. • Two clips per end.	Must be requested at time of order. Must be used with vertical clips (D). Eg) For a BTA18T10050 with horizontal clips & belt guard, use BTA18DKG10050. Note: "D" for vertical clips must be indicated as well as the "K" for horizontal clips.
E	Support Legs (Option)	• Heavy duty support legs are welded to the fan. • Suitable for mounting tube axial to the floor. • 4" Standard. 16" available. Consult factory. • Sold in pairs.	Must be requested at time of order.
F	Motor & Belt Covers (Accessory)	• 18 gauge galvanized steel. • Acts as both motor and belt cover. • 3/4" expanded metal screen allows motor heat to escape. • Bolts to motor mount.	For HTA/BTA/WTa Fans only. To order installed, add letter to part number. Also available as an accessory ordered separately.
G	Belt Guard (Accessory)	• Belt and guards protect the belt and drives. • 18 gauge galvanized steel.	For HTA/BTA/WTa Fans only. Not required with motor cover. To order installed, add letter to part number. Also available as an accessory ordered separately.
H	Inspection Door (Option)	• 10" x 12" inspection door. • Hinged and bolted. • Air dry finish. • Can be installed in location specified by customer.	Must be requested at time of order.
I	Specials (not shown)	Can include: • Explosion Proof Motors • Steel Fan Blades • Optional Coating	Must be requested at time of order.
L	Weather Cover (Accessory)	• 18 gauge galvanized steel. • Acts as both motor and belt cover. • Enclosed for weather protection. • Bolts to motor mount.	For HTA/BTA/WTa Fans only. To order installed, add letter to part number. Also available as an accessory ordered separately.
W (Not Shown)	Wired Junction Box (Option)	• Wired junction box using BX cable.	• For BTA models only! • Must be requested at time of order.

ORDERING EXAMPLES:

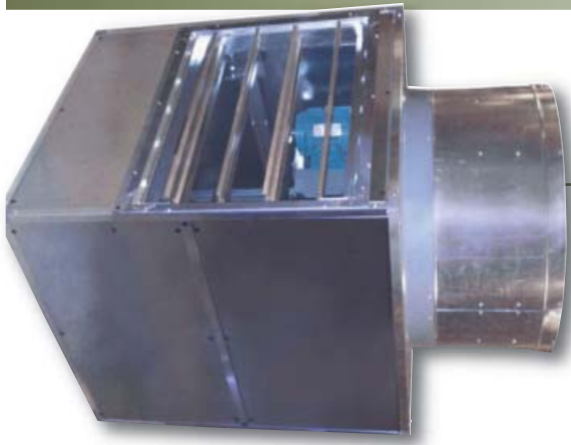
EX 1) If ordering a BTA18T10050 with support legs (E) and an inspection door (H), use **BTA18EH10050**.

EX 2) If ordering a BTA18T10050 with horizontal clips & belt guard, use **BTA18DKG10050**.

FAN SIZE	ACCESSORIES			OPTIONS INSTALLED WELDED TO TUBE		
	COMPANION RING	GUARD	HORIZONTAL CLIP	SUPPORT LEG	VERTICAL CLIP	INSPECTION DOOR
12"	CR12P	MC12G	SCH12-60 (Must order vertical clip option to use horizontal clip accessory)	SPL12	SCV12-60	ID12
15"	CR15P	MC15G		SPL15		ID15
18"	CR18P	MC18G		SPL18		ID18
24"	CR24P	MC24G		SPL24		ID24
30"	CR30P	MC30G		SPL30		ID30
34"	CR34P	MC34G		SPL34		ID34
36"	CR36P	MC36G		SPL36		ID36
42"	CR42P	MC42G		SPL42		ID42
48"	CR48P	MC48G		SPL48		ID48
54"	CR54P	MC54G		SPL54		ID54
60"	CR60P	MC60G		SPL60		ID60

ACCESSORIES	
FRAME SIZE	BELT GUARD
48-145T	BLGD1
182T-184T	BLGD2
213T-256T	BLGD3
284 AND UP	BLGD4

ACCESSORIES		
BTA SIZE	WEATHER COVER	MOTOR COVER
12" - 18"	MCVR1-WP	MCVR1
24" - 30"	MCVR2-WP	MCVR2
34" - 36"	MCVR3-WP	MCVR3
42" - 48"	MCVR4-WP	MCVR4
54" - 60"	MCVR5-WP	MCVR5



JFHVA AIR MAKE UP JET FANS

Provides significant energy savings by inexpensively distributing make-up air strategically and comfortably throughout a building.

Air Make-Up Jet Fan systems utilize a propeller fan in conjunction with a modulating face and by-pass control dampers to mix cold outside air with warm inside air, which results in inexpensive, tempered make-up air that can be distributed evenly throughout the work space, providing greater comfort and energy savings.

PERFORMANCE SPECIFICATIONS

BLADE DIAMETER	MODEL #		RPM	H.P.	CFM	dBA @ 5 ft.
	SINGLE PHASE	THREE PHASE				
24"	JFHVA24FBC10075	JFHVA24FBC30075*	1180	3/4	4700	68
	JFHVA24FBC10100	JFHVA24FBC30100*	1295	1	5690	70
	JFHVA24FBC10150	JFHVA24FBC30150*	1475	1 1/2	7000	73
30"	JFHVA30FBC10100	JFHVA30FBC30100*	965	1	6610	69
	JFHVA30FBC10150	JFHVA30FBC30150*	1095	1 1/2	9140	72
	JFHVA30FBC10200	JFHVA30FBC30200*	1225	2	11100	74
36"	JFHVA36FBC10150	JFHVA36FBC30150*	830	1 1/2	8430	72
	JFHVA36FBC10200	JFHVA36FBC30200*	910	2	12190	74
	JFHVA36FBC10300	JFHVA36FBC30300*	1045	3	16020	78
42"	JFHVA42FBC10200	JFHVA42FBC30200*	770	2	11320	74
	JFHVA42FBC10300	JFHVA42FBC30300*	895	3	17680	76
	JFHVA42FBC10500	JFHVA42FBC30500*	1005	5	21810	79
48"	JFHVA48FBC10200	JFHVA48FBC30200*	645	2	11070	71
	JFHVA48FBC10300	JFHVA48FBC30300*	745	3	17880	74
	JFHVA48FBC10500	JFHVA48FBC30500*	885	5	24690	79
	JFHVA48FBC10750	JFHVA48FBC30750*	1005	7 1/2	29810	82

For three phase motors, substitute "*" with "M" for 230/460 volt (If 208V required please specify) or "P" for 575 volt

OPTIONAL CONSTRUCTION: "T" - Jet Fan with Cabinet, Snout, and Straightening Vanes;
"FOC" - Same as above, but with a Face Damper & Controls;
"FBC" - Fan complete with Face and Bypass & Controls (standard)

FEATURES

- Sturdily constructed of galvanized steel with cast aluminum fan blades.
- Outlet duct with straightening vanes to attach air tube.
- TEFC motors are standard.
- Adjustable motor base.
- Large access door hinged and latched on bottom (all models).
- Face and bypass dampers (FBC and FOC optional construction).
- Modulating damper motors (FBC and FOC optional construction).
- Transformers & Remote thermostats (FBC and FOC optional construction).
- NEMA control box enclosure (FBC & FOC optional construction).
- All face and bypass damper linkage enclosed inside cabinet (FBC).
- Optional construction available.

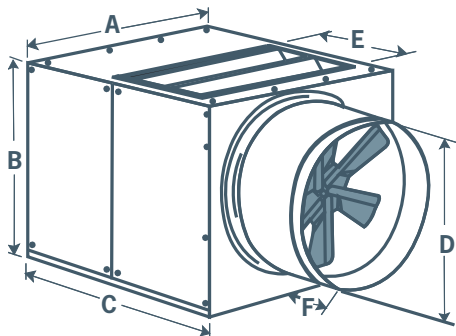


Non-stock, made-to-order products are non-returnable and cannot be cancelled.

DIMENSIONS

Fan Size	A	B	C	D	F
24"	32"	32"	36"	25"	18 7/8"
30"	38"	38"	42"	31"	18 7/8"
36"	44"	44"	48"	37"	26 3/4"
42"	50"	50"	54"	42 7/8"	24 1/4"
48"	56"	56"	60"	48 7/8"	27 1/4"

*Please note that this fan is currently under review and the dimensions may change. Please call for details.



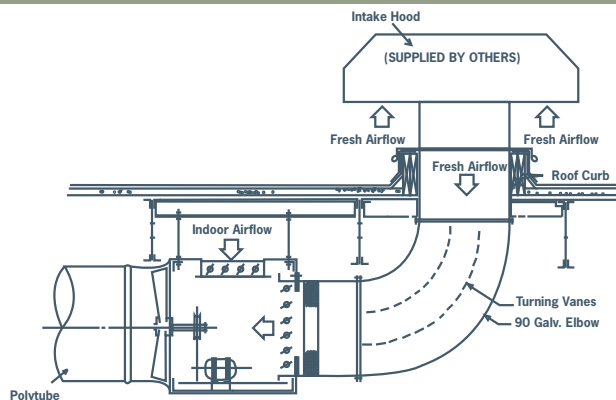
OPTIONS

Canarm supplies the Make-Up fan only. All other components are supplied by others.

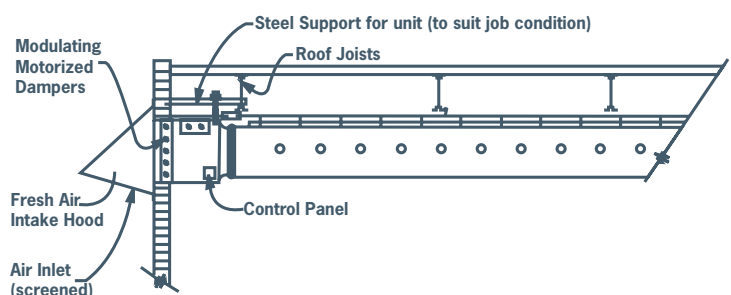
- Polyethylene Fabric Ducts
- Face Dampers (by Canarm)
- Drawband
- Cables
- Roof Curb
- Intake Wall & Roof Hoods
- Reducer
- Hardware Kit

TYPICAL INSTALLATIONS

TYPICAL INSTALLATION - ROOF MOUNT



TYPICAL INSTALLATION - SIDEWALL MOUNT



NEW | now with
EC MOTORS
for energy savings

ALX-UD & ALX-UD-EC SERIES - UPBLAST DIRECT DRIVE SPUN ALUMINUM EXHAUSTERS



Ideal for exhausting air from restaurants, offices, warehouses or commercial buildings. The ALX series spun aluminum exhaust fan can be used as either a roof top or wall mount exhaust fan.

FEATURING PERFECT SPEED EC MOTORS - UP TO 82% EFFICIENCY

ENERGY SAVINGS OF UP TO 70% OVER REGULAR DUTY PSC MOTORS



For Performance Specifications please see next page.



FEATURES

- Spun aluminum housing will not rust, chip or peel.
- Aluminum backward inclined wheel is non-overloading.
- Available with PSC or EC motors
- Variable speed PSC motors available on ALX 105/120/135
- All motors are 1 Phase 120/240V operation and can be operated at 50 or 60 Hz.
- All units can be wall mounted.
- Quick release latches for easy motor access

EC MOTORS ONLY

- EC motors offer true variable speed operation and up to 70% energy savings over PSC motors.
- On-board speed adjustment allows simple setup and balancing with LED display.
- Can be controlled remotely up to 50' using a remote mount potentiometer or 0-10V.

OPTIONS

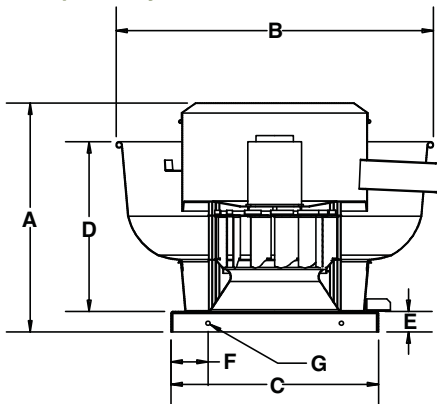
- Motorized damper (UL705 models only)
- Gravity (automatic) damper (UL705 models only)
- Wall mount bracket (for all sizes up to 24")
- Bird screen (UL705 only)
- Grease collection box (required for UL762)
- Curb hinge
- Disconnect switches
- Roof Curbs
- MC series solid state variable speed controls (ALX105-135 models)
- Remote mount potentiometer (available soon - EC models)
- Other curb caps options available. See C2 in dimensions table.



DIMENSIONS

MODEL	DIMENSIONS (INCHES)										Net Weight
	A	B	C	C2	D	E	F	G Ø	Wheel Diameter	Roof Opening	
ALX090-UD	14.25	17.75	19.00	-	9.50	2.00	-	-	9.00	13.00	30 lbs
ALX105-UD/EC	18.00	25.00	19.00	21.00	13.00	1.50	3.50	0.38	10.50	15.00	35 lbs
ALX120-UD/EC	19.00	25.00	19.00	21.00	13.00	1.50	3.50	0.38	12.25	15.00	37 lbs
ALX135-UD/EC	22.25	32.13	21.00	24.75	17.13	2.00	3.75	0.44	13.50	17.00	53 lbs
ALX150-UD/EC	23.13	32.13	21.00	24.75	17.13	2.00	3.75	0.44	15.00	17.00	58 lbs
ALX165-UD/EC	27.13	37.50	24.75	28.00	21.13	2.00	4.00	0.44	16.50	20.75	100 lbs
ALX180-UD-EC*	31.75	37.50	28.00	24.75	21.13	2.00	4.00	0.44	18.25	20.75	116 lbs
ALX210-UD-EC*	36.25	43.75	33.13	40.00	25.50	2.50	4.00	0.44	21.00	29.00	178 lbs

*EC motor option only



DISCONNECT SWITCHES

- Wire disconnect switches are available. See Controls & Thermostats section for details.



UL762 certified, refer to our UL762 Catalogue page B in Roof Mount Ventilation for all installation requirements



Canarm certifies that the ALX-UD Series shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publications 211 & 311 and comply with the requirements of the AMCA Certified Ratings Programme.



ALX-UD & ALX-UD-EC SERIES - UPBLAST DIRECT DRIVE SPUN ALUMINUM EXHAUSTERS

PERFORMANCE SPECIFICATIONS & CFM RATINGS

Unit	Motor			Airflow (CFM) @ Static Pressure															
	HP	Variable Speed	Max RPM	0.0"		.25"		.5"		.75"		1.00"		1.25"		1.5"		2.0"	
				High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
ALX090-UD008V	1/12	Y	1650	525	275	425	100	340	100	-	-	-	-	-	-	-	-	-	-
ALX105-UD013V	1/8	Y*	1650	700	526	600	451	400	300	-	-	-	-	-	-	-	-	-	-
ALX105-UD033EC	1/3	Y	1800	1051	217	954	319	866	393	732	440	534	483	-	-	-	-	-	-
ALX120-UD033V	1/3	Y*	1650	1300	977	1100	826	1000	751	800	601	600	451	-	-	-	-	-	-
ALX120-UD033EC	1/3	Y	1800	1548	325	1422	336	1282	367	1133	395	947	408	633	438	-	-	-	-
ALX135-UD050V	1/2	Y**	1650	1600	1200	1500	1127	1400	1052	1200	901	1100	826	900	676	300	225	-	-
ALX135-UD033EC	1/3	Y	1500	1578	400	1491	450	1346	600	1212	700	1053	850	-	-	-	-	-	-
ALX135-UD050EC	1/2	Y	1700	1723	400	1622	450	1518	600	1407	700	1277	850	1125	1000	-	-	-	-
ALX135-UD075EC	3/4	Y	1800	1865	400	1774	450	1679	600	1582	700	1472	850	1338	1000	1165	1100	-	-
ALX150-UD075S	3/4	N	1650	2200	-	2000	-	1900	-	1700	-	1500	-	1300	-	1000	-	-	-
ALX150-UD033EC	1/3	Y	1300	1852	600	1735	579	1594	663	1403	767	1157	846	-	-	-	-	-	-
ALX150-UD050EC	1/2	Y	1425	2003	581	1934	688	1754	680	1595	733	1389	823	1114	765	-	-	-	-
ALX150-UD075EC	3/4	Y	1650	2353	696	2261	711	2161	733	2048	674	1917	827	1751	940	1574	980	1269	1052
ALX150-UD100EC	1	Y	1800	2544	647	2462	643	2361	732	2276	680	2173	830	2050	940	1896	972	1496	1144
ALX165-UD150S	1 1/2	N	1650	3400	-	3300	-	3200	-	3000	-	2900	-	2800	-	2600	-	2200	-
ALX165-UD033EC	1/3	Y	1100	2323	861	2084	800	1878	921	1589	1068	-	-	-	-	-	-	-	-
ALX165-UD050EC	1/2	Y	1225	2595	861	2372	800	2155	921	1970	1068	1687	1155	-	-	-	-	-	-
ALX165-UD075EC	3/4	Y	1400	2965	861	2780	800	2579	921	2427	1068	2236	1155	1986	1318	1682	1405	-	-
ALX165-UD100EC	1	Y	1500	3179	878	3004	851	2816	921	2662	1068	2507	1155	2293	1318	2064	1405	1749	1524
ALX180-UD100EC	1	Y	1200	3275	1100	3100	1225	2875	1350	2600	1475	2225	1625	1800	1750	-	-	-	-
ALX210-UD100EC	1	Y	900	4300	1700	4000	1750	3725	1800	3400	1850	2900	1950	2200	2025	-	-	-	-

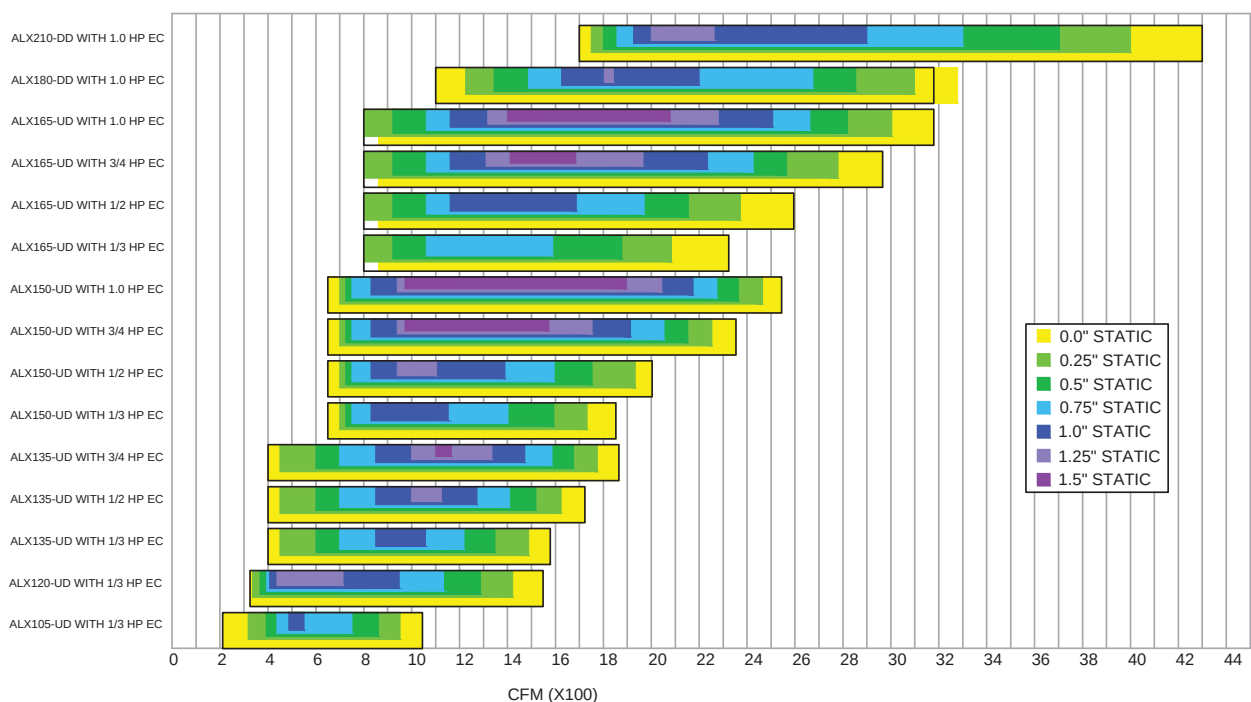
* Using MC5 (for 115V or MC5-230 (for 230V)

Minimum motor speed 425 RPM (EC Models)

** Using MC10 (for 115V or MC5-230 (for 230V)

EC motors can be controlled using the built in potentiometer on motor or by using a 0 to 10 V controller, or by a remote potentiometer.

ALX UPBLAST SERIES AIRFLOW RANGE WITH EC MOTORS





ALX-UB SERIES - UPBLAST BELT DRIVE SPUN ALUMINUM EXHAUSTERS

Ideal for exhausting air from restaurants, offices, warehouses or commercial buildings. The ALX series spun aluminum exhaust fan can be used as either a roof top or wall mount exhaust fan.

Now stocked (or 2-3 day lead time) complete with pre-set motor and drives using adjustable motor pulley for field adjustment!

For Performance Specifications please see next page.

FEATURES

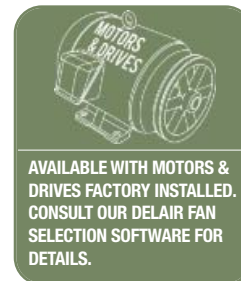
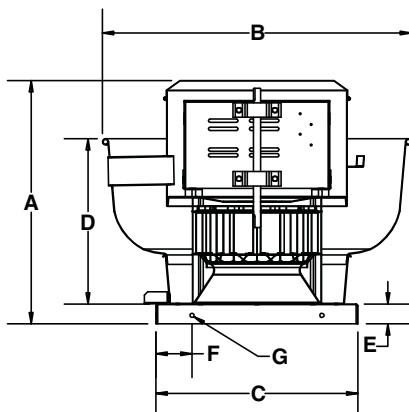
- Spun aluminum housing will not rust, chip or peel.
- Aluminum backward inclined wheel is non-overloading.
- Belt drive.
- Available with a variety of field or factory installed 1 phase & 3 phase motors.
- Units up to 24" can be wall mounted.
- Quick release latches for easy motor access.

DIMENSIONS

NOTE: DUE TO MOTOR MANUFACTURERS VARIANCES IN DESIGN, PLEASE SEE USER MANUAL FOR MOTOR DIMENSIONAL GUIDELINES.

MODEL	DIMENSIONS (INCHES)											Net Weight (Without Motors)
	A	B	C	C2	D	E	F	G Ø	Shaft Size	Wheel Diameter	Roof Opening	
ALX135-UB	25.25	32.13	21.00	24.75	17.13	2.00	3.75	0.44	3/4"	13.50	17.00	43 lbs
ALX150-UB	26.13	32.13	21.00	24.75	17.13	2.00	3.75	0.44	3/4"	15.00	17.00	45 lbs
ALX165-UB	31.13	37.50	24.75	28.00	21.13	2.00	4.00	0.44	3/4"	16.50	20.75	108 lbs
ALX180-UB	31.75	37.50	28.00	24.75	21.13	2.00	4.00	0.44	3/4"	18.25	20.75	116 lbs
ALX210-UB	36.25	43.75	33.13	40.00	25.50	2.50	4.00	0.44	1"	21.00	29.00	178 lbs
ALX245-UB	37.00	43.75	33.13	40.00	25.50	2.50	4.00	0.44	1"	24.50	29.00	183 lbs

Note: Net weights for belt drive units do not include motor & drives.



QUICK RELEASE LATCHES FOR EASY MOTOR ACCESS

OPTIONS

- Motorized damper (UL705 models only)
- Gravity (automatic) damper (UL705 models only)
- Wall mount bracket (for all sizes up to 24")
- Bird screen (UL750 only)
- Grease collection box (required for UL762)
- Curb hinge
- Disconnect switches
- VFD's for 3 phase motors
- Roof curbs
- Other curb caps options available. See C2 in dimensions table.

DISCONNECT SWITCHES

- Wire disconnect switches are available. See Controls & Thermostats section for details.



UL762 certified, refer to our UL762 Catalogue page B in Roof Mount Ventilation for all installation requirements



Canarm certifies that the ALX-UB Series shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publications 211 & 311 and comply with the requirements of the AMCA Certified Ratings Programme.



ALX-UB SERIES - UPBLAST BELT DRIVE SPUN ALUMINUM EXHAUSTERS

PERFORMANCE SPECIFICATIONS

ALX UB WITH MOTORS & DRIVES and wired disconnect

					Values @ 0.5" SP											
Single	Three Phase	RPM Range	HP	RPM	BHP	Sones	0	0.125	0.25	0.375	0.5	0.75	1	1.25	1.5	1.75
ALX135UBT10025**		862-1293	1/4	1078	0.16	8.6	1100	1038	943	838	750	-	-	-	-	-
ALX135UBT10033**		932-1398	1/3	1260	0.25	12.8	1302	1226	1159	1102	1000	835	-	-	-	-
ALX135UBT10050**		1122 - 1552	1/2	1458	0.38	16.5	1500	1446	1388	1331	1250	1105	959	-	-	-
ALX150UBT10050**		932-1398	1/2	1288	0.4	20	1775	1700	1625	1525	1400	1167	880	-	-	-
ALX150UBT10075**		1078-1617	3/4	1528	0.66	27	2100	2038	1966	1887	1800	1632	1437	1210	900	-
ALX150UBT10100	ALX150UBT30100*	1341-1820	1	1653	0.83	31	2278	2230	2159	2073	2000	1853	1677	1486	1266	985
ALX165UBT10100	ALX165UBT30100*	1097-1489	1	1252	0.6	21	2598	2554	2471	2382	2300	2121	1898	1516	-	-
ALX165UBT10150	ALX165UBT30150*	1254-1646	1.5	1466	0.94	26	3050	3006	2929	2885	2800	2656	2497	2325	2096	-
ALX180UBT10100	ALX180UBT30100*	980-1293	1	1241	0.92	25	3350	3320	3216	3137	3000	2731	2413	2039	-	-
ALX180UBT10200	ALX180UBT30200*	1097-1489	2	1403	1.31	30	3800	3746	3675	3597	3500	3307	3064	2751	2446	1991
ALX210UBT10150	ALX210UBT30150*	862-1132	1.5	1017	1.1	21	4320	4241	4098	3936	3800	3487	3057	2380	-	-
ALX245UBT10150	ALX245UBT30150*	673-889	1.5	790	1.01	18.9	5146	5006	4726	4535	4200	3466	2384	-	-	-
ALX245UBT10200	ALX245UBT30200*	745-979	2	862	1.31	22	5604	5477	5273	5057	4800	4204	3415	2218	-	-
ALX245UBT10300	ALX245UBT30300*	862-1132	3	964	1.84	28	6266	6152	5999	5795	5600	5095	4510	3797	2804	-

** 115V only. All other motors will be wired at high voltage.

For three phase motors, substitute “” with “M” for 230/460 volt (wired for 460V) or “P” for 575 volt

UL705 = 1Ø Only

NEW | now with
EC MOTORS
for energy savings

ALX-DD & ALX-DD-EC SERIES DOWNBLAST DIRECT DRIVE SPUN ALUMINUM EXHAUSTERS



QUICK RELEASE
LATCH FOR
EASY MOTOR
ACCESS

Ideal for exhausting air from factories, offices, warehouses or commercial buildings. The ALX series spun aluminum exhaust fan can be used as either a roof top or wall mount exhaust fan.

For Performance Specifications please see next page.

Consult our Delair fan selection software for fan curves and performance data

Download Delair at www.canarm.com/delair

**FEATURING PERFECT
SPEED EC MOTORS - UP TO
82% EFFICIENCY**

**ENERGY SAVINGS OF UP
TO 70% OVER REGULAR
DUTY PSC MOTORS**

EC MOTORS ONLY

- EC motors offer true variable speed operation and up to 70% energy savings over PSC motors.
- On-board speed adjustment allows simple setup and balancing with LED display.
- Can be controlled remotely up to 50' using a remote mount potentiometer or 0-10V.



FEATURES

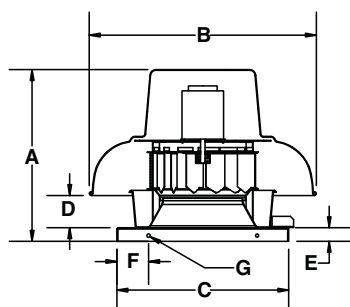
- Spun aluminum housing will not rust, chip or peel.
- Aluminum backward inclined wheel is non-overloading.
- Available with PSC or EC Motors
- Variable speed PSC Motors available on ALX105/120/135
- All motors are 1 Phase 120/240V operation and can be operated at 50 or 60 Hz.
- All units can be wall mounted.
- Quick release latches for easy motor access on ALX135 – ALX165.

DIMENSIONS

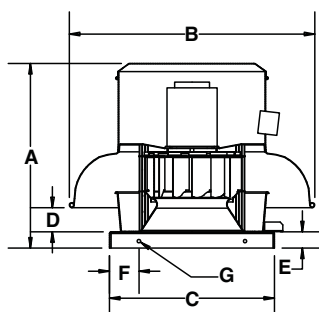
MODEL	DIMENSIONS (INCHES)										Net Weight
	A	B	C	C2	D	E	F	G Ø	Wheel Diameter	Roof Opening	
ALX090-DD	14.5	20.75	19	-	-	2	-	-	9	13	30
ALX105-DD/EC	18.00	25.00	19.00	21.00	2.50	1.50	3.50	0.38	10.50	15.00	33 lbs
ALX120-DD/EC	19.00	25.00	19.00	21.00	3.50	1.50	3.50	0.38	12.25	15.00	35 lbs
ALX135-DD/EC	22.25	31.25	21.00	24.75	3.13	2.00	3.75	0.44	13.50	17.00	51 lbs
ALX150-DD/EC	23.13	31.25	21.00	24.75	3.75	2.00	3.75	0.44	15.00	17.00	56 lbs
ALX165-DD/EC	27.13	36.25	24.75	28.00	5.00	2.00	4.00	0.44	16.50	20.75	100 lbs
ALX180-DD/EC*	31.75	36.25	28.00	24.75	5.50	2.00	4.00	0.44	18.25	20.75	114 lbs
ALX210-DD/EC*	36.25	43.75	33.13	40.00	5.25	2.50	4.00	0.44	21.00	29.00	176 lbs

*EC motor option only

ALX105 / 120 - DD



ALX135 / 150 / 165 / 180 - DD



OPTIONS & ACCESSORIES

- Motorized damper
- Gravity (automatic) damper
- Wall mount bracket (for all sizes up to 24")
- Bird screen
- Curb hinge
- Disconnect switches
- Roof Curbs
- MC series solid state variable speed controls (ALX 150/120 and 135)
- Remote mount potentiometer (available soon - EC models)
- Other curb caps options available. See C2 in dimensions table.



Canarm certifies that the ALX-DD Series shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publications 211 & 311 and comply with the requirements of the AMCA Certified Ratings Programme.



ALX-DD & ALX-DD-EC SERIES - DOWNBLAST DIRECT DRIVE SPUN ALUMINUM EXHAUSTERS

PERFORMANCE SPECIFICATIONS & CFM RATINGS

Unit	Motor			Airflow (CFM) @ Static Pressure															
	HP	Variable Speed	Max RPM	0.0"		.25"		.5"		.75"		1.00"		1.25"		1.5"		2.0"	
				High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
ALX090-DD008V	1/12	Y	1650	500	250	425	100	300	100	-	-	-	-	-	-	-	-	-	-
ALX105-DD013V	1/8	Y*	1650	700	526	600	451	300	225	-	-	-	-	-	-	-	-	-	-
ALX105-DD033EC	1/3	Y	1800	1100	239	1003	335	877	396	729	460	486	486	-	-	-	-	-	-
ALX120-DD033V	1/4	Y*	1650	1300	977	1200	901	1000	751	800	601	600	451	-	-	-	-	-	-
ALX120-DD033EC	1/3	Y	1725	1544	341	1406	400	1279	436	1095	438	810	472	-	-	-	-	-	-
ALX120-DD050EC	1/2	Y	1800	1610	341	1477	400	1357	436	1201	438	955	472	571	484	-	-	-	-
ALX135-DD050V	1/2	Y**	1650	1700	1277	1600	1200	1400	1042	1300	977	1100	826	900	676	500	375	-	-
ALX135-DD033EC	1/3	Y	1500	1578	414	1469	494	1341	574	1194	750	1009	865	-	-	-	-	-	-
ALX135-DD050EC	1/2	Y	1750	1843	414	1747	494	1645	574	1530	750	1405	865	1258	919	-	-	-	-
ALX135-DD075EC	3/4	Y	1800	1894	414	1805	494	1706	574	1597	750	1475	865	1344	919	1149	977	-	-
ALX150-DD075S	3/4	N	1650	2400	-	2200	-	2000	-	1900	-	1700	-	1500	-	1200	-	700	-
ALX150-DD033EC	1/3	Y	1250	1806	570	1649	499	1425	633	1179	812	-	-	-	-	-	-	-	-
ALX150-DD050EC	1/2	Y	1475	2133	570	2003	499	1842	633	1640	812	1430	866	1175	879	-	-	-	-
ALX150-DD075EC	3/4	Y	1675	2424	570	2312	499	2182	633	2016	812	1837	866	1654	879	1448	1072	-	-
ALX150-DD100EC	1	Y	1800	2603	570	2500	499	2383	633	2245	812	2075	866	1913	879	1739	1072	1273	1116
ALX165-DD150S	1 1/2	N	1650	3500	-	3400	-	3200	-	3100	-	2900	-	2700	-	2600	-	2100	-
ALX165-DD033EC	1/3	Y	1050	2264	860	2034	825	1787	1044	1470	1194	-	-	-	-	-	-	-	-
ALX165-DD050EC	1/2	Y	1175	2529	860	2328	825	2115	1044	1861	1194	1568	1320	-	-	-	-	-	-
ALX165-DD075EC	3/4	Y	1350	2909	860	2731	825	2546	1044	2362	1194	2132	1320	1879	1441	-	-	-	-
ALX165-DD100EC	1	Y	1475	3180	860	3018	825	2851	1044	2685	1194	2500	1320	2276	1441	2046	1545	-	-
ALX180-DD100EC	1	Y	1200	390	1300	3625	1380	3325	1450	3000	1550	2650	1650	2200	1750	-	-	-	-
ALX210-DD100EC	1	Y	900	4600	1800	4325	1825	3700	1875	3450	1900	2850	1925	2000	1950	-	-	-	-

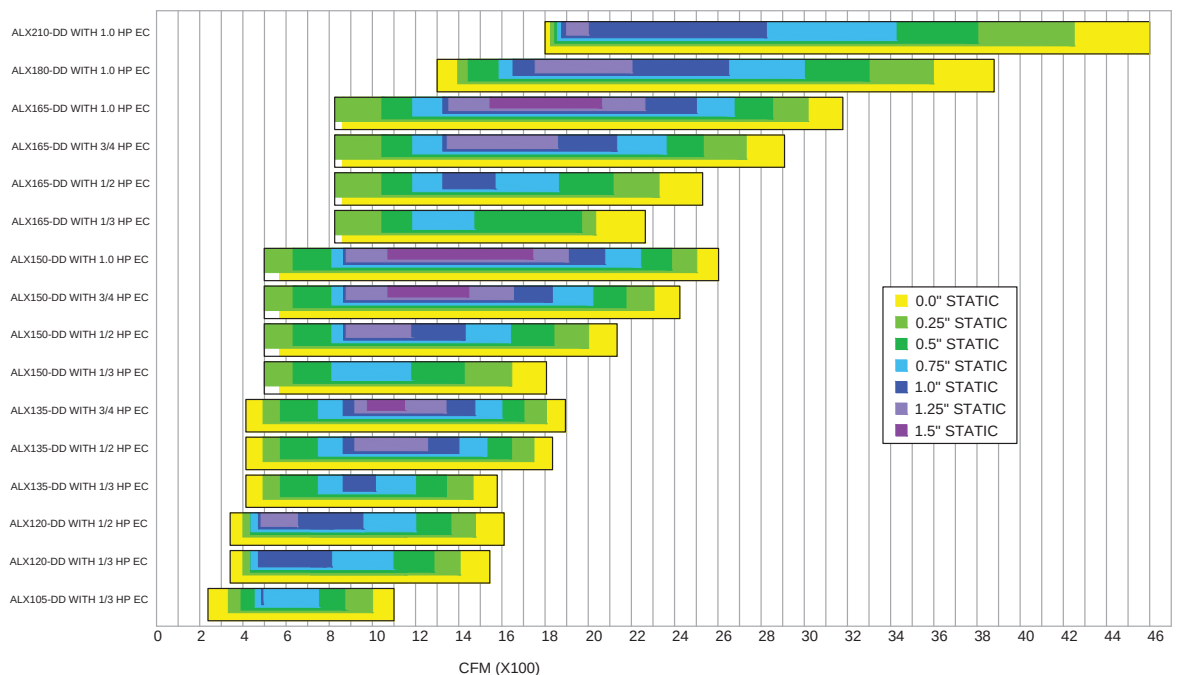
* Using MC5 (for 115V or MC5-230 (for 230V)

** Using MC10 (for 115V or MC5-230 (for 230V)

Minimum motor speed 425 RPM (EC Models)

EC motors can be controlled using the built in potentiometer on motor or by using a 0 to 10 V controller, or by a remote potentiometer.

ALX DOWNBLAST SERIES AIRFLOW RANGE WITH EC MOTORS



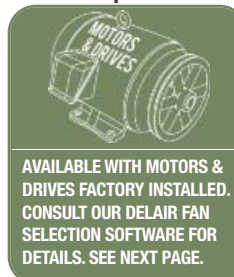


ALX-DB SERIES - DOWNBLAST BELT DRIVE SPUN ALUMINUM EXHAUSTERS

Ideal for exhausting air from factories, offices, warehouses or commercial buildings. The ALX series spun aluminum exhaust fan can be used as either a roof top or wall mount exhaust fan.

Now stocked (or 2-3 day lead time) complete with pre-set motor and drives using adjustable motor pulley for field adjustment!

For Performance Specifications please see next page.



QUICK RELEASE LATCH FOR EASY MOTOR ACCESS

FEATURES

- Spun aluminum housing will not rust, chip or peel.
- Aluminum backward inclined wheel is non-overloading.
- Belt drive
- Available with a variety of field or factory installed 1 phase & 3 phase motors.
- Units up to 24" can be wall mounted.
- Quick release latches for easy motor access.
- Standard bird screen.

DIMENSIONS

NOTE: DUE TO MOTOR MANUFACTURERS VARIANCES IN DESIGN, PLEASE SEE USER MANUAL FOR MOTOR DIMENSIONAL GUIDELINES.

MODEL	DIMENSIONS (INCHES)											Net Weight (Without Motors)
	A	B	C	C2	D	E	F	G Ø	Shaft Size	Wheel Diameter	Roof Opening	
ALX135-DB	25.25	31.25	21.00	24.75	3.13	2.00	3.75	0.44	3/4"	13.50	17.00	41 lbs
ALX150-DB	26.13	31.25	21.00	24.75	3.75	2.00	3.75	0.44	3/4"	15.00	17.00	43 lbs
ALX165-DB	31.13	36.25	24.75	28.00	5.00	2.00	4.00	0.44	3/4"	16.50	20.75	106 lbs
ALX180-DB	31.75	36.25	28.00	24.75	5.50	2.00	4.00	0.44	3/4"	18.25	20.75	114 lbs
ALX210-DB	36.25	43.75	33.13	40.00	5.25	2.50	4.00	0.44	1"	21.00	29.00	176 lbs
ALX245-DB	37.00	43.75	33.13	40.00	5.88	2.50	4.00	0.44	1"	24.50	29.00	181 lbs
ALX300-DB	40.00	52.82	40.00	-	-	2.00	-	-	1 3/16"	30	36.00	380 lbs
ALX360-DB	45.56	63.31	44	-	-	2	-	-	1 3/16"	36	40	470 lbs

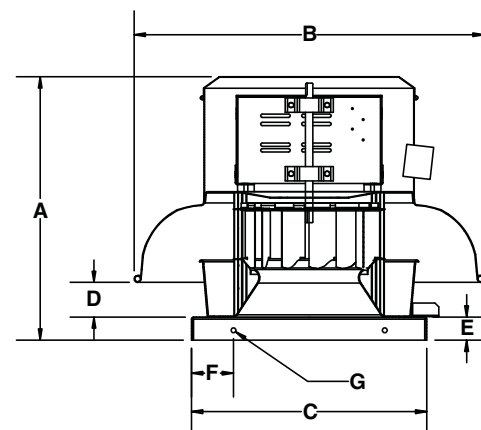
Note: Net weights for belt drive units do not include motor & drives.



Canarm certifies that the ALX-DB Series shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publications 211 & 311 and comply with the requirements of the AMCA Certified Ratings Programme.

OPTIONS & ACCESSORIES

- Motorized damper
- Gravity (automatic) damper
- Wall mount bracket (for all sizes up to 24")
- Roof curb
- Disconnect switch
- Hinge kits
- VFD for 3 phase motors
- Other curb caps options available. See C2 in dimensions table.





ALX-DB SERIES - DOWNBLAST BELT DRIVE SPUN ALUMINUM EXHAUSTERS

PERFORMANCE SPECIFICATIONS

ALX DB WITH MOTORS & DRIVES and wired disconnect

					Values @ 0.5" SP										
Single	Three Phase	RPM Range	HP	RPM	BHP	Sones	0	0.125	0.25	0.375	0.5	0.75	1	1.25	1.5
ALX135DBT10025**		862-1293	1/4	1091	0.16	9.6	1146	1080	978	876	750	-	-	-	-
ALX135DBT10033**		932-1398	1/3	1255	0.24	12.9	1320	1264	1181	1099	1000	745	-	-	-
ALX135DBT10050**		1121 - 1552	1/2	1441	0.35	16.3	1500	1457	1393	1334	1250	1111	848	-	-
ALX150DBT10050**		932-1398	1/3	1185	0.34	16.6	1750	1708	1612	1513	1400	1143	-	-	-
ALX150DBT10075**		1078-1617	3/4	1401	0.54	23	2090	2011	1956	1880	1800	1619	1419	1090	-
ALX150DBT10100	ALX150DBT30100*	1340-1820	1	1515	0.68	26	2264	2216	2152	2070	2000	1834	1643	1438	1118
ALX165DBT10100	ALX165DBT30100*	1097-1489	1	1249	0.61	21	2600	2611	2509	2407	2300	2089	1828	1427	-
ALX165DBT10150	ALX165DBT30150*	1254-1646	1 1/2	1455	0.94	26	3100	3076	2993	2898	2800	2630	2427	2204	1980
ALX180DBT10100	ALX180DBT30100*	980-1293	1	1111	0.8	21	3575	3479	3320	3168	3000	2627	2174	-	-
ALX180DBT10200	ALX180DBT30200*	1097-1489	2	1242	1.11	27	3970	3885	3765	3646	3500	3200	3850	2452	1880
ALX210DBT10150	ALX210DBT30150*	862-1132	1 1/2	977	1.04	19.3	4500	4394	4214	4022	3800	3306	2704	-	-
ALX245DBT10150	ALX245DBT30150*	673-889	1 1/2	800	1.08	19.4	5325	5120	4815	4548	4200	3440	2300	-	-
ALX245DBT10200	ALX245DBT30200*	745-979	2	871	1.4	23	5808	5642	5362	5120	4800	4166	3338	-	-
ALX245DBT10300	ALX245DBT30300*	862-1132	3	973	1.94	27	6480	6304	6088	5846	5600	5057	4459	3700	2580

** 115V only. All other motors will be wired at high voltage.

*For three phase motors, substitute ""**" with "M" for 230/460 volt (wired for 460V) or "P" for 575 volt

UL705 = 1Ø Only



**SMOKE
& HEAT
REMOVAL**

RTA-SH - SMOKE & HEAT REMOVAL BELT DRIVE ROOF EXHAUSTERS

Belt drive, heavy duty construction ideal for industrial & commercial applications.

RTA-SH model suitable for normal use in clean, dry air with a maximum ambient temperature of 93° C (200° F).

RTA-SH is designed to exhaust smoke in the event of a fire. It is in compliance with smoke control systems requirements of 500°F for 4 hours and 1000°F for 15 minutes. Two spring loaded arms are released when temperatures reach above 165°F to force open the dampers.

FEATURES

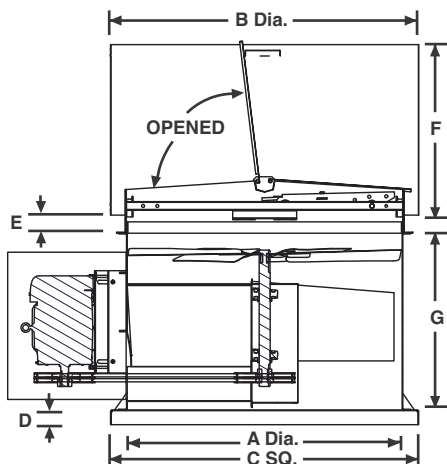
- TEFC, ball bearing motor is out of air stream and is accessible from the roof
- Galvanized steel wind-band and rain-proof butterfly dampers.
- Heavy duty pulleys and belts out of air stream

HIGH HEAT FEATURES

- Heavy gauge steel prop
- High heat cast iron pillow block bearings (out of air stream), complete with external grease fittings
- 500° F for 4 hours and 1000° F for 15 minutes
- Arms rated for snow load of 10 lbs/ft²

DIMENSIONS

MODEL #	A Dia.	B Dia.	C Sq.	D	E	F	G
RTA-SH42	42 3/8"	48 5/8"	48"	2 1/2"	2	27	27
RTA-SH48	48 1/2"	54 5/8"	54"	2 1/2"	2	30	31
RTA-SH54	54 1/2"	60 5/8"	60"	2 1/2"	2	36	40



**Roof
Exhausters
are non-stock
items and are
non-cancelable
and
non-refundable
without prior
authorization.**

SPECIFICATIONS

To order RWTA models, replace "RTA" with "RWTA" in the table below.

BLADE DIAMETER	MODEL #		FAN RPM	H.P.	0" S.P.		1/4" S.P.		1/2" S.P.		3/4" S.P.		1" S.P.		Min. CFM	dBA @ 10ft.
	SINGLE PHASE	THREE PHASE			CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP		
42"	RTA42SHT10200	RTA42SHT30200*	770	2	19920	1.65	15080	1.80	-	-	-	-	-	-	14000	61
	RTA42SHT10300	RTA42SHT30300*	895	3	22840	2.60	19620	2.80	14940	2.9	-	-	-	-	14000	65
	RTA42SHT10500	RTA42SHT30500*	1005	5	25980	3.66	23230	3.89	19980	4.01	-	-	-	-	14000	67
	RTA42SHT10750	RTA42SHT30750*	1205	7.5	31520	6.26	29530	6.54	27040	6.78	24230	6.89	20270	7.07	14000	72
	RTA42SHT11000	RTA42SHT31000*	1335	10	35170	8.49	33410	8.76	31270	9.08	29020	9.32	26230	9.39	14000	75
48"	RTA48SHT10300	RTA48SHT30300*	745	3	24330	2.55	20510	2.76	-	-	-	-	-	-	18000	63
	RTA48SHT10500	RTA48SHT30500*	885	5	29440	4.10	26370	4.46	22380	4.72	-	-	-	-	18000	67
	RTA48SHT10750	RTA48SHT30750*	1005	7.5	33850	5.93	31080	6.47	28330	6.81	24740	6.96	-	-	18000	71
	RTA48SHT11000	RTA48SHT31000*	1105	10	37270	7.89	34760	8.54	32520	8.99	29760	9.11	26140	9.29	18000	73
	--	RTA48SHT31500*	1265	15	42900	11.70	40860	12.30	38790	13.13	36270	13.54	34290	13.66	18000	76
54"	RTA54SHT10500	RTA54SHT30500*	710	5	37130	4.26	31680	4.67	-	-	-	-	-	-	23000	68
	RTA54SHT10750	RTA54SHT30750*	810	7.5	42890	6.20	38660	6.85	33210	6.99	25390	6.87	-	-	23000	71
	RTA54SHT11000	RTA54SHT31000*	905	10	48450	8.54	44640	9.41	40140	9.73	34980	9.78	27220	9.53	23000	74
	--	RTA54SHT31500*	1025	15	55520	12.10	52110	12.92	48280	13.81	44310	14.17	39660	14.22	23000	78

For three phase motors, substitute "*" with "M" for 230/460 volt (If 208V required please specify) or "P" for 575 volt

BHP does not include drive losses

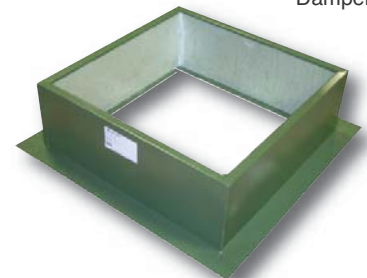
dBA ratings shown are measured at 0" static pressure and should be used as a guideline only

ACCESSORIES

RC ROOF CURB

- For Canarm Roof Exhaust fans.
- Sturdy powder coated, 16 gauge steel.
- 3" flanges
- 1" SM insulation
- Damper shelf

FAN SIZE	MODEL NUMBER
42"	RC42
48"	RC48
54"	RC54



DISCONNECT SWITCHES

- Wire disconnect switches are available.
- See page 78 for details.

RTA - BELT DRIVE ROOF EXHAUSTERS

Belt drive, heavy duty construction ideal for industrial & commercial applications.

SPECIFICATIONS

To order RWTA models, replace "RTA" with "RWTA" in the table below.

	MODEL #		FAN RPM	H.P.	0" S.P.		1/4" S.P.		1/2" S.P.		3/4" S.P.		1" S.P.		Min. CFM	dBA @ 10Ft.
	SINGLE PHASE	THREE PHASE			CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP		
18"	RTA18T10050	RTA18T30050*	1556	1/2	3930	0.40	3540	0.45	2830	0.49	-	-	-	-	2600	59
	RTA18T10075	RTA18T30075*	1785	3/4	4530	0.58	4210	0.65	3780	0.73	-	-	-	-	2600	62
	RTA18T10100	RTA18T30100*	1920	1	4890	0.72	4610	0.79	4250	0.86	3680	0.94	-	-	2600	64
	RTA18T10150	RTA18T30150*	2255	1.5	5790	1.15	5550	1.23	5300	1.76	4990	1.40	4530	1.49	2600	68
	RTA18T10200	RTA18T30200*	2510	2	6490	1.59	6280	1.68	6030	1.76	5960	1.86	5510	1.96	2600	72
24"	RTA24T10075	RTA24T30075*	1180	3/4	6325	0.64	5360	0.70	-	-	-	-	-	-	4700	58
	RTA24T10100	RTA24T30100*	1295	1	7020	0.84	6180	0.91	5020	0.96	-	-	-	-	4700	61
	RTA24T10150	RTA24T30150*	1475	1.5	8090	1.22	7390	1.32	6550	1.38	5380	1.42	-	-	4700	65
	RTA24T10200	RTA24T30200*	1620	2	8960	1.60	8330	1.71	7620	1.79	6740	1.86	5460	1.88	4700	67
	RTA24T10300	RTA24T30300*	1890	3	10670	2.49	10060	2.63	9460	2.79	8910	2.84	8240	2.94	4700	72
30"	RTA30T10100	RTA30T30100*	965	1	10050	0.86	8100	0.92	-	-	-	-	-	-	7300	59
	RTA30T10150	RTA30T30150*	1095	1.5	11650	1.26	10130	1.34	7860	1.37	-	-	-	-	7300	62
	RTA30T10200	RTA30T30200*	1225	2	13170	1.74	11930	1.85	10210	1.92	-	-	-	-	7300	65
	RTA30T10300	RTA30T30300*	1380	3	14910	2.48	13930	2.60	12620	2.69	10980	2.74	8240	2.74	7300	67
	RTA30T10500	RTA30T30500*	1635	5	17850	4.08	17160	4.25	16100	4.38	14960	4.48	13570	4.58	7300	72
36"	RTA36T10200	RTA36T30200*	910	2	16650	1.80	13980	1.86	-	-	-	-	-	-	10000	63
	RTA36T10300	RTA36T30300*	1045	3	19220	2.72	17550	2.80	14440	2.8	-	-	-	-	10000	66
	RTA36T10500	RTA36T30500*	1245	5	23610	4.56	21780	4.68	19870	4.75	17380	4.75	12980	4.68	10000	71
	RTA36T10750	RTA36T30750*	1425	7.5	27110	6.81	25790	6.95	22410	7.09	22260	7.13	20080	7.13	10000	75
	RTA42T10200	RTA42T30200*	770	2	19920	1.65	15080	1.80	-	-	-	-	-	-	14000	61
42"	RTA42T10300	RTA42T30300*	895	3	22840	2.60	19620	2.80	14940	2.9	-	-	-	-	14000	65
	RTA42T10500	RTA42T30500*	1005	5	25980	3.66	23230	3.89	19980	4.01	-	-	-	-	14000	67
	RTA42T10750	RTA42T30750*	1205	7.5	31520	6.26	29530	6.54	27040	6.78	24230	6.89	20270	7.07	14000	72
	RTA42T11000	RTA42T31000*	1335	10	35170	8.49	33410	8.76	31270	9.08	29020	9.32	26230	9.39	14000	75
	RTA48T10300	RTA48T30300*	745	3	24330	2.55	20510	2.76	-	-	-	-	-	-	18000	63
48"	RTA48T10500	RTA48T30500*	885	5	29440	4.10	26370	4.46	22380	4.72	-	-	-	-	18000	67
	RTA48T10750	RTA48T30750*	1005	7.5	33850	5.93	31080	6.47	28330	6.81	24740	6.96	-	-	18000	71
	RTA48T11000	RTA48T31000*	1105	10	37270	7.89	34760	8.54	32520	8.99	29760	9.11	26140	9.29	18000	73
	--	RTA48T31500*	1265	15	42900	11.70	40860	12.30	38790	13.13	36270	13.54	34290	13.66	18000	76
	RTA54T10500	RTA54T30500*	710	5	37130	4.26	31680	4.67	-	-	-	-	-	-	23000	68
54"	RTA54T10750	RTA54T30750*	810	7.5	42890	6.20	38660	6.85	33210	6.99	25390	6.87	-	-	23000	71
	RTA54T11000	RTA54T31000*	905	10	48450	8.54	44640	9.41	40140	9.73	34980	9.78	27220	9.53	23000	74
	--	RTA54T31500*	1025	15	55520	12.10	52110	12.92	48280	13.81	44310	14.17	39660	14.22	23000	78
60"	RTA60T10750	RTA60T30750*	690	7.5	51240	6.45	45760	7.18	35770	7.09	-	-	-	-	29000	68
	RTA60T11000	RTA60T31000*	755	10	56770	8.48	51490	9.21	40470	9.43	31650	8.72	-	-	29000	70
	--	RTA60T31500*	870	15	66320	12.52	61710	13.80	56720	14.43	49520	14.34	38320	13.51	29000	74
	--	RTA60T32000*	955	20	73090	16.62	68880	17.70	65690	18.78	59270	18.80	52250	18.83	29000	76

For three phase motors, substitute "*" with "M" for 230/460 volt (If 208V required please specify) or "P" for 575 volt

BHP does not include drive losses

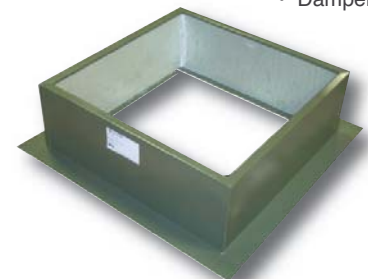
dBA ratings shown are measured at 0" static pressure and should be used as a guideline only

ACCESSORIES

RC ROOF CURB

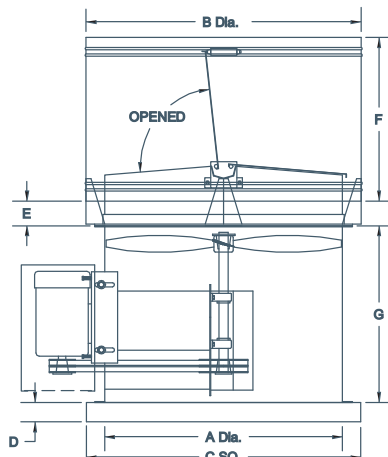
- For Canarm Roof Exhaust fans.
- Sturdy powder coated, 16 gauge steel.
- 3" flanges
- 1" SM insulation
- Damper shelf

FAN SIZE	MODEL NUMBER
18"	RC18
24"	RC24
30"	RC30
36"	RC36
42"	RC42
48"	RC48
54"	RC54
60"	RC60



DISCONNECT SWITCHES

- Wire disconnect switches are available.
- See page 77 for details.



Note
Roof Exhausters are non-stock items and are non-cancelable and non-refundable without prior authorization.

RD - DIRECT DRIVE ROOF EXHAUSTERS

Sturdily constructed - ideal for industrial and commercial applications.

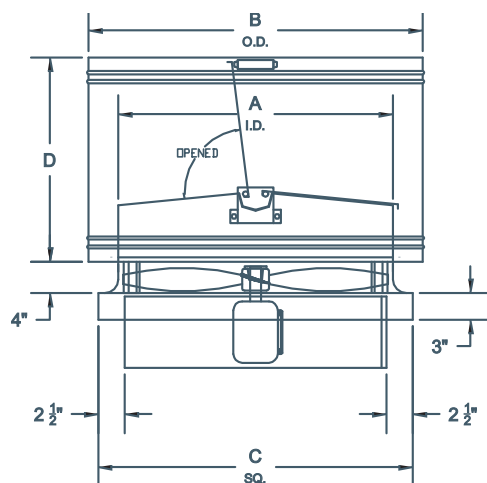


FEATURES

- Heavy duty galvanized blades.
- Galvanized steel wind-band and rain-proof butterfly dampers that rotate easily on brass bushings.
- TEFC, ball bearing motor is in the air stream, within the building, maximum ambient temperature of 40°C (104°F).
- Not recommended for dirty or dust laden applications.

DIMENSIONS

MODEL #	A I.D.	B O.D.	C SQ.	D
RD24	25"	31 1/2"	29 1/2"	19"
RD30	31"	37 1/2"	35 1/2"	22"
RD36	37"	43 1/2"	41 1/2"	25"
RD42	43"	49 1/2"	47 1/2"	27"
RD48	49"	55 1/2"	53 1/2"	30"



SPECIFICATIONS

BLADE DIAMETER	MODEL #		FAN RPM	H.P.	0" S.P.		1/8" S.P.		1/4" S.P.		3/8" S.P.		Min. CFM	dBA @ 10ft.
	SINGLE PHASE	THREE PHASE			CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP		
24"	RD24T10075C	RD24T30075C*	1140	3/4	6549	0.74	6017	0.78	5527	0.83	-	-	4700	73
	RD24T10100B	RD24T30100B*	1725	1	6761	0.89	6453	0.93	6128	1.00	5792	1.09	4700	81
	RD24T10300B	RD24T30300B*	1725	3	9909	2.57	9558	2.62	9207	2.68	8886	2.75	4700	84
30"	--	RD30T30150C*	1140	1.5	11600	1.31	10925	1.40	10193	1.49	9127	1.59	7300	79
	RD30T10500B	RD30T30500B*	1725	5	17552	4.53	17106	4.66	16661	4.80	16215	4.94	7300	90
36"	--	RD36T30200D*	860	2	16364	1.87	15172	1.99	13864	2.08	11597	2.15	10000	80
	--	RD36T30500C*	1140	5	21692	4.35	20793	4.52	19893	4.69	18903	4.80	10000	88
42"	--	RD42T30500C*	1140	5	23209	3.04	22619	3.29	21962	3.52	21019	3.70	14000	85
	--	RD42T30750C*	1140	7.5	32476	7.70	31490	7.70	30518	7.76	29586	8.02	14000	88
48"	--	RD48T30750D*	860	7.5	35654	5.93	33411	6.06	31857	6.34	30219	6.62	18000	89
	--	RD48T30750C*	1140	7.5	32564	4.95	31677	5.35	30688	5.68	29636	5.99	18000	92

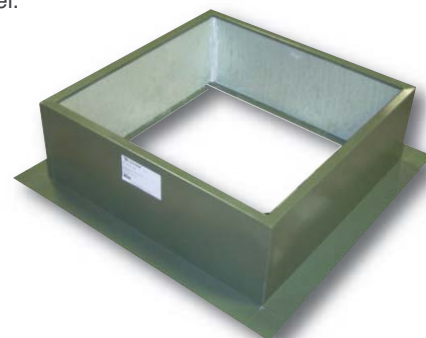
For three phase motors, substitute "*" with "M" for 208-230/460 volt or "P" for 575 volt
BHP does not include drive losses
dBA ratings shown are measured at 0" static pressure and should be used as a guideline only

ACCESSORIES

RC ROOF CURB

- For Canarm Roof Exhaust fans.
- Sturdy powder coated, 16 gauge steel.
- 3" flanges
- 1" SM insulation
- Damper shelf

FAN SIZE	MODEL NUMBER
18"	RC18
24"	RC24
30"	RC30
36"	RC36
42"	RC42
48"	RC48
54"	RC54
60"	RC60



DISCONNECT SWITCHES

- Wire disconnect switches are available.
See page 77 for details.



Roof Exhausters are non-stock items and are non-cancelable and non-refundable without prior authorization.



RB - BELT DRIVE ROOF EXHAUSTERS

Sturdily constructed belt drive roof exhausters ideal for industrial and commercial applications.

SPECIFICATIONS

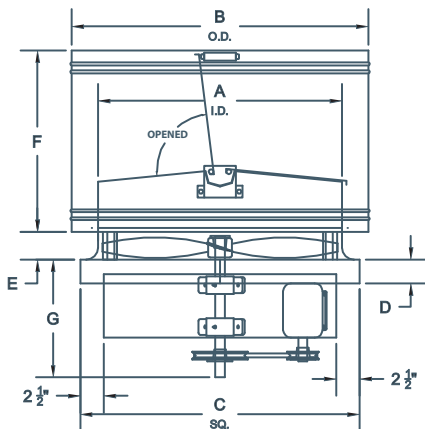
	MODEL #		FAN RPM	H.P.	0" SP		1/8" SP		1/4" SP		3/8" SP		MIN. CFM	Dba @ 5 Ft.	
	SINGLE PHASE	THREE PHASE			CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP			
BLADE DIAMETER	24"	RB24T10075	RB24T30075*	1090	3/4	6261	0.65	5706	0.68	5135	0.73	-	-	4700	72
		RB24T10100	RB24T30100*	1190	1	6836	0.84	6327	0.88	5893	0.93	5035	0.97	4700	74
		RB24T10150	RB24T30150*	1370	1.5	7870	1.29	7428	1.33	7018	1.38	6565	1.44	4700	78
		RB24T10200	RB24T30200*	1510	2	8674	1.72	8273	1.77	7876	1.82	7549	1.89	4700	81
	30"	RB30T10075	RB30T30075*	875	3/4	8903	0.59	8019	0.66	-	-	-	-	7300	71
		RB30T10100	RB30T30100*	965	1	9819	0.79	9022	0.87	7951	0.96	-	-	7300	73
		RB30T10150	RB30T30150*	1005	1.5	11244	1.19	10548	1.28	9775	1.37	8605	1.47	7300	78
		RB30T10200	RB30T30200*	1220	2	12414	1.60	11783	1.70	11136	1.80	10285	1.91	7300	82
	36"	RB30T10300	RB30T30300*	1405	3	14296	2.45	13749	2.56	13201	2.67	12588	2.79	7300	85
		RB36T10100	RB36T30100*	660	1	12559	0.84	10953	0.93	-	-	-	-	10000	72
		RB36T10150	RB36T30150*	750	1.5	14271	1.24	12898	1.35	11091	1.41	-	-	10000	75
		RB36T10200	RB36T30200*	835	2	15888	1.71	14661	1.84	13302	1.91	10747	1.97	10000	78
42"	RB36T10300	RB36T30300*	940	3	17886	2.44	16796	2.58	15636	2.69	14293	2.76	10000	83	
	RB42T10200	RB42T30200*	685	2	19514	1.67	17906	1.73	16111	1.89	13318	1.97	14000	78	
	RB42T10300	RB42T30300*	780	3	22220	2.47	20794	2.50	19341	2.68	17561	2.87	14000	83	
	RB42T10500	RB42T30500*	925	5	26351	4.11	25136	4.11	23977	4.29	22681	4.51	14000	88	
48"	RB42T10750	RB42T30750*	1080	7.5	30767	6.55	29726	6.55	28710	6.65	27726	6.89	14000	91	
	RB48T10200	RB48T30200*	565	2	23424	1.68	20606	1.82	-	-	-	-	18000	77	
	RB48T10300	RB48T30300*	640	3	26533	2.45	23933	2.59	21489	2.80	18256	2.97	18000		
	RB48T10500	RB48T30500*	745	5	30886	3.86	28495	4.00	26703	4.24	24279	4.48	18000	86	
54"	RB48T10750	RB48T30750*	870	7.5	36068	6.14	33835	6.27	32299	6.55	30723	6.83	18000	90	
	RB54T10300	RB54T30300*	530	3	30080	2.46	27332	2.58	24060	2.82	-	-	23000	79	
	RB54T10500	RB54T30500*	625	5	35472	4.03	33139	4.21	30532	4.41	27599	4.72	23000	84	
	RB54T10750	RB54T30750*	720	7.5	40863	6.16	38809	6.44	36754	6.52	34382	6.84	23000	88	
60"	RB54T11000	RB54T31000*	795	10	45120	8.29	43236	8.67	41484	8.67	39344	8.99	23000	91	
	RB60T10500	RB60T30500*	520	5	42969	4.22	38510	4.50	34050	4.78	-	-	29000	72	
	RB60T10750	RB60T30750*	595	7.5	49167	6.32	45269	6.64	41372	6.96	35070	7.02	29000	87	
	RB60T11000	RB60T31000*	650	10	53172	8.24	50144	8.59	46576	8.94	43008	9.28	29000	89	
	--	RB60T31500*	745	15	61562	12.41	58449	12.80	55336	13.20	52223	13.60	29000	92	

FEATURES

- TEFC, ball bearing motor, maximum ambient temperature 40° C (104° F).
- Heavy duty galvanized blades.
- Galvanized steel wind-band and rain-proof butterfly dampers that rotate easily on brass bushings.
- Cast iron pillow block bearings.
- Heavy duty pulleys and belts.
- Not recommended for dirty or dust laden applications.

DIMENSIONS

MODEL #	A Dia.	B Dia.	C Sq.	D	E	F	G (MAX.)
RB24	25"	31 1/2"	29 1/2"	3"	4"	19"	18 1/2"
RB30	31"	36 1/2"	35 1/2"	3"	4"	22"	18 1/2"
RB36	37"	43 1/2"	41 1/2"	3"	4"	25"	18 1/2"
RB42	43"	49 1/2"	47 1/2"	3"	4"	27"	18 1/2"
RB48	49"	55 1/2"	53 1/2"	3"	4"	30"	18 1/2"
RB54	55"	61 1/2"	59 1/2"	3"	4"	36"	21"
RB60	61"	70"	68"	2"	5"	42"	21"



Roof Exhausters are non-stock items and are non-cancelable and non-refundable without prior authorization.

ACCESSORIES

RC ROOF CURB

- For Canarm Roof Exhaust fans.
- Sturdy powder coated, 16 gauge steel.
- 3" flanges

FAN SIZE	MODEL NUMBER
18"	RC18
24"	RC24
30"	RC30
36"	RC36
42"	RC42
48"	RC48
54"	RC54
60"	RC60



- 1" SM insulation
- Damper shelf

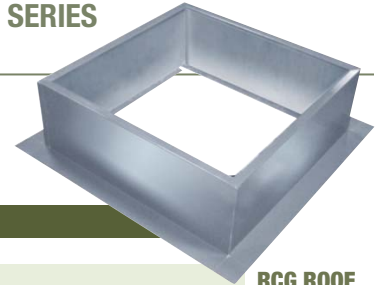
DISCONNECT SWITCHES

- Wire disconnect switches are available. See page 77 for details.

ROOF CURBS

GALVANIZED ROOF CURBS - NON-VENTED - FOR 300, 700, SIS, ALX, SB-SBRM & SD-SDUB SERIES (Non-vented) 18" High (RCG) or 12" High (RCGL)

- RCG are 18" high
- RCGL are 12" high
- 18 gauge galvanized steel construction
- 1 3/4" flanges
- Insulated curbs available (RCGI or RCGLI)
- Shipped fully assembled



Part # (Non-Insulated)	Part # (Insulated)	Curb OD Dimension sq	Curb fits Models
RCG17.5 / RCGL17.5	RCGI17.5 / RCGLI17.5	17.5"	ALX105, ALX120, SD-SDUB-10, SD-SDUB-12
RCG18.5 / RCGL18.5	RCGI18.5 / RCGLI18.5	18.5"	307
RCG19.5 / RCGL19.5	RCGI19.5 / RCGLI19.5	19.5"	ALX135, ALX150, SB-SBRM-13, SD-SDUB-30, SD-SDUB-33, SD-SDUB-50, ALX105-C2, ALX120-C2
RCG22.5 / RCGL22.5	RCGI22.5 / RCGLI22.5	22.5"	309,709,SIS-09
RCG23.25 / RCGL23.25	RCGI23.25 / RCGLI23.25	23.25"	ALX165, SB-SBRM-15, SD-SDUB-85, ALX135-C2, ALX150-C2, ALX-180-C2
RCG26.5 / RCGL26.5	RCGI26.5 / RCGLI26.5	26.5"	ALX180, SIS-10, SB-SBRM-18, ALX165-C2
RCG30.5 / RCGL30.5	RCGI30.5 / RCGLI30.5	30.5"	312,712,715, SIS-12, SIG-12, SIG-15
RCG31.5 / RCGL31.5	RCGI31.5 / RCGLI31.5	31.5"	ALX210, ALX245, SB-SBRM-24
RCG34.5 / RCGL34.5	RCGI34.5 / RCGLI34.5	34.5"	315,718,SIS-15,SIS-18
RCG38.5 / RCGL38.5	RCGI38.5 / RCGLI38.5	38.5"	318, SB-SBRM-30, ALX210-C2, ALX245-C2
RCG42.5 / RCGL42.5	RCGI42.5 / RCGLI42.5	42.5"	SIS-20

Please note Galvanized Curbs (RCG's) are for UL 705 only.

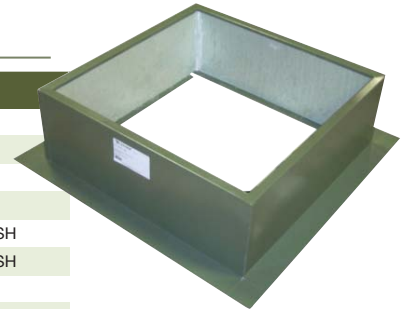
For UL762 the curb must be vented and be a minimum of 40" from roof to outlet - use RCGV curbs (below)

ROOF CURBS FOR RTA, RB OR RD

- 16 gauge galvanized or painted steel construction
- RC are insulated, painted, with 3" flanges and damper shelf
- RCG are non-insulated, galvanized, with 1 3/4" flanges
- RCGI are insulated, galvanized, with 1 3/4" flanges
- All are 10 1/4" high
- Non-vented
- Shipped fully assembled

ROOF CURBS FOR RTA, RB & RD SERIES (Non-vented) 10 1/4" High

Part # Painted	Part # Galv (Non-Insulated)	Part # Galv (Insulated)	Curb OD Dimension sq	Curb fits Models
RC18	RCG21.625	RCGI21.625	21.6"	RTA18
RC24	RCG29.125	RCGI29.125	29.1"	RTA-RB-RD24
RC30	RCG35.125	RCGI35.125	35.1"	RTA-RB-RD30
RC36	RCG41.125	RCGI41.125	41.1"	RTA-RB-RD36
RC42	RCG47.125	RCGI47.125	47.1"	RTA-RB-RD42-RTASH
RC48	RCG53.125	RCGI53.125	53.1"	RTA-RB-RD48-RTASH
RC54	RCG59.125	RCGI59.125	59.1"	RTA-RB54-RTASH
RC60	RCG67.125	RCGI67.125	67.1"	RTA-RB60



VENTED ROOF CURBS FOR ALX, SB-SBRM & SD-SDUB

- UL762 requires vents and minimum 40" from roof to outlet
- Curb height varies to meet UL762 (see table below)
- RCGV are 18" high
- RCGVL are 12" high
- RCGVH vary to meet UL762
- 18 gauge galvanized steel construction
- 1 3/4" flanges
- Non-insulated
- Shipped fully assembled



(Vented) RCGV ROOF CURBS FOR ALX, SB-SBRM & SD-SDUB SERIES

Part #	Part #	UL762 Curb Height	Curb OD Dimension sq	Curb fits Models
Vented 18" high (RCGV)	To meet UL762			
Vented 12" high (RCGVL)				
RCGV17.5 / RCGVL17.5	RCGVH17.5	27"	17.5"	ALX105, ALX120, SD-SDUB-10, SD-SDUB-12
RCGV19.5 / RCGVL19.5	RCGVH19.5	23"	19.5"	ALX135, ALX150, SB-SBRM-13, SD-SDUB-30, SD-SDUB-33, SD-SDUB-50, HRE-13, ALX105-C2, ALX105-C2
RCGV23.25 / RCGVL23.25	RCGV23.25	18"	23.25"	ALX165, SB-SBRM-15, SD-SDUB-85, HRE-16, ALX135-C2, ALX150-C2, ALX180-C2
RCGV26.5 / RCGVL26.5	RCGV26.5	18"	26.5"	ALX180, SB-SBRM-18, HRE-20, ALX165-C2
RCGV31.5 / RCGVL31.5	RCGV31.5	18"	31.5"	ALX210, ALX245, SB-SBRM-24, HRE-24
RCGV38.5 / RCGVL38.5	RCGV38.5	18"	38.5"	SB-SBRM-30, AXL210-C2, ALX245-C2

RCGV ROOF CURB

XBL - BELT DRIVE WALL FANS

Economy commercial and light duty industrial exhaust fans.
Ideal for Factories, Warehouses, Gymnasiums, Greenhouses, etc.



XBL series fans are typically used for low pressure applications with little or no duct work.

The XBL series is constructed for efficient, economical operation and are designed to be used primarily as exhaust fans.



HEAVY STEEL POST MOUNT

FEATURES

- Available in 24", 30", 36", 42" and 48" blade diameters
- Heavy gauge steel fan panel with deep spun orifice and flared venturi to maximize efficiency.
- Heavy steel post Motor mount with "U" clamp motor mount/belt tensioner.
- ODP motors are standard.
- Durable baked on textured polyethylene powder coat finish.
- Accepts all "XB" series accessories, including Cabinets, Sleeves, Shutters and guards.

Note Non-stock, made-to-order products are non-returnable and cannot be cancelled.

SPECIFICATIONS

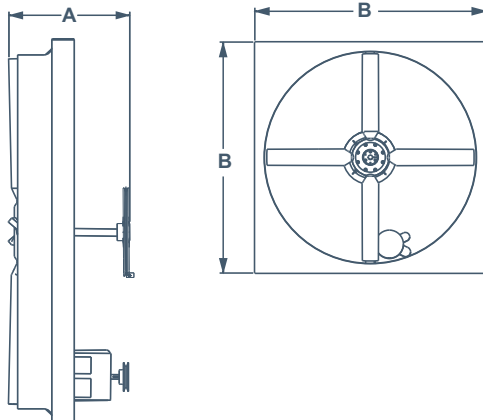
BLADE DIAMETER	MODEL #			MOTOR H.P.	CFM	WEIGHT (LBS.)
	SINGLE PHASE	230/460V PHASE	575V			
24"	XBL24T10033	XBL24T30033M	XBL24T30033P	1/3	3270	50
30"	XBL30T10033	XBL30T30033M	XBL30T30033P	1/3	7730	60
36"	XBL36T10050	XBL36T30050M	XBL36T30050P	1/2	9870	65
42"	XBL42T10075	XBL42T30075M	XBL42T30075P	3/4	14800	75
48"	XBL48T10100	XBL48T30100M	XBL48T30100P	1.0	21500	98

Weights subject to change.

DIMENSIONS

MODEL	BLADE DIAMETER	A	B X B SQUARE
XBL24	24"	17.5"	29.625"
XBL30	30"	17.5"	35.625"
XBL36	36"	17.5"	41.625"
XBL42	42"	17.5"	47.625"
XBL48	48"	17.5"	53.625"

Dimensions subject to change.
For CBS dimensions & illustration, see page 30..



BACK VIEW



ODP MOTOR

OPTIONS

For fan complete with cabinet/guard and shutter, substitute "T" with CBS



XB - BELT DRIVE WALL FANS

Designed for commercial and medium duty industrial applications
Factories, Warehouses, Gymnasiums, Underground parking garages, etc.

These fans are typically used for low pressure applications with little or no duct work.

The XB series is designed and constructed for efficient and economical operation at low speeds and low noise levels.

These fans are used for exhaust applications. For supply applications, please see next page.



BACK VIEW

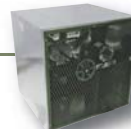
SPECIFICATIONS

	MODEL #		WEIGHT (LBS.)	RPM	H.P.	dBA @ 5 ft.	CFM @ STATIC PRESSURE					
	SINGLE PHASE	THREE PHASE					0"	1/8"	1/4"	3/8"	1/2"	5/8"
24"	XB24T10033	XB24T30033*	115	670	1/3	61	4643	4038	2488	-	-	-
	XB24T10050	XB24T30050*	115	805	1/2	65	5578	5112	4405	2934	-	-
	XB24T10075	XB24T30075*	115	925	3/4	70	6410	6030	5526	4731	3354	-
	XB24T10100	XB24T30100*	133	1040	1.0	73	7207	6883	6457	5930	5143	3793
30"	XB30T10033	XB30T30033*	128	470	1/3	59	6658	4717	1948	-	-	-
	XB30T10050	XB30T30050*	129	565	1/2	63	8004	6689	4298	2119	-	-
	XB30T10075	XB30T30075*	129	640	3/4	66	9067	8014	6073	4220	2203	-
	XB30T10100	XB30T30100*	148	715	1.0	69	10129	9223	7790	5688	4248	2452
36"	XB30T10150	XB30T30150*	129	830	1.5	73	11758	11032	10045	8530	6647	5543
	XB36T10050	XB36T30050*	161	410	1/2	59	9854	7547	3560	-	-	-
	XB36T10075	XB36T30075*	160	460	3/4	63	11056	9197	5120	2876	-	-
	XB36T10100	XB36T30100*	180	515	1.0	67	12378	10847	7976	4784	2740	-
42"	XB36T10150	XB36T30150*	160	605	1.5	71	14541	13394	11542	8258	5859	4122
	XB36T10200	XB36T30200*	203	675	2.0	73	16223	15195	13750	11831	8029	6506
	XB42T10075	XB42T30075*	211	330	3/4	58	11755	8579	3357	-	-	-
	XB42T10100	XB42T30100*	230	390	1.0	63	13892	11596	5764	3462	-	-
48"	XB42T10150	XB42T30150*	207	465	1.5	68	16564	14700	12037	6386	4670	-
	XB42T10200	XB42T30200*	248	510	2.0	71	18167	16479	14514	9114	6418	4770
	XB42T10300	XB42T30300*	264	590	3.0	75	21016	19579	18030	15887	10630	7882
	XB48T10100	XB48T30100*	257	330	1.0	63	18658	14895	7243	3301	-	-
54"	XB48T10150	XB48T30150*	236	380	1.5	67	21485	18589	12083	7263	3754	-
	XB48T10200	XB48T30200*	281	425	2.0	70	24030	21457	17737	10447	7459	4205
	XB48T10300	XB48T30300*	290	485	3.0	74	27422	25190	22472	18073	11634	9008
	XB48T10500	XB48T30500*	312	585	5.0	80	33076	31236	29331	26834	23759	17330
60"	XB54T10150	XB54T30150*	316	310	1.5	65	24281	20657	10405	5754	2747	-
	XB54T10200	XB54T30200*	359	345	2.0	68	26593	23275	15740	8821	5199	2455
	XB54T10300	XB54T30300*	370	400	3.0	72	30832	28008	24336	14731	10317	6921
	XB54T10500	XB54T30500*	380	475	5.0	76	36613	34384	31798	28018	19368	13736
60"	XB54T10750	XB54T30750*	492	545	7.5	81	42009	40171	37818	35727	31930	24931
	XB60T10150	XB60T30150*	363	275	1.5	64	28093	23231	12618	6346	3157	-
	XB60T10200	XB60T30200*	405	300	2.0	66	30647	26162	17561	9965	5469	2822
	XB60T10300	XB60T30300*	416	345	3.0	70	35244	31470	27438	16612	11289	7142
60"	XB60T10500	XB60T30500*	430	420	5.0	76	42906	40193	36504	33232	23610	17734
	XB60T10750	XB60T30750*	539	485	7.5	81	49546	47400	44167	41266	38377	30899

For three phase motors, substitute "M" with "M" for 230/460 volt (If 208V required please specify) or "P" for 575 volt
Fan blades tested in accordance with AMCA standard 210, figure 12
dBA ratings shown are measured at 0" static pressure and should be used as a guideline only
For VFD, please specify.

OPTIONS

For a complete listing of all available options, see page 31.



For fan complete with cabinet/guard and shutter, substitute "T" with CBS



For fan complete with front sleeve and shutter, substitute "T" with SLS



For fan with rear sleeve and back guard, substitute "T" with SLB

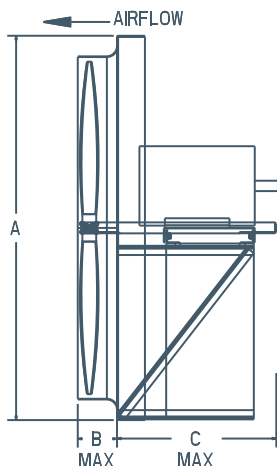
FEATURES

- Heavy gauge steel fan panel with deep spun and flared venturi for maximum efficiency.
- Heavy gauge welded steel motor and bearing supports.
- Heavy duty cast iron pillow block bearings.
- TEFC motors are standard.

Note Non-stock, made-to-order products are non-returnable and cannot be cancelled.

DIMENSIONS

MODEL	BLADE DIAMETER	A X A SQUARE	B	C (BELT DRIVE MOTOR FRAME)	
				56 - 184	213 - 286
XB24	24"	29.625"	4.0"	18"	--
XB30	30"	35.625"	4.5"	18"	--
XB36	36"	41.625"	5.0"	18"	28"
XB42	42"	47.625"	5.0"	18"	28"
XB48	48"	53.625"	5.0"	18"	28"
XB54	54"	59.657"	5.5"	18"	28"
XB60	60"	67.657"	6.0"	18"	28"



SXB - BELT DRIVE WALL SUPPLY FANS

Designed for commercial and light duty industrial supply applications - Factories, Warehouses, Underground parking garages, etc.

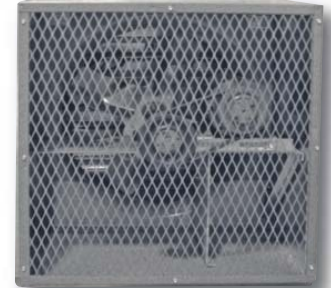


Photo above and Dimension illustration below show fan with cabinet, back guard and motorized steel control dampers (Standard).

These fans are typically used for low pressure applications with little to no duct work.

The SXB series is designed and constructed for efficient and economical operation at low speeds and low noise levels. Please see previous page for exhaust fan applications.

This fan is complete with cabinet, motorized steel control damper and guard.



BACK VIEW

SPECIFICATIONS

FEATURES

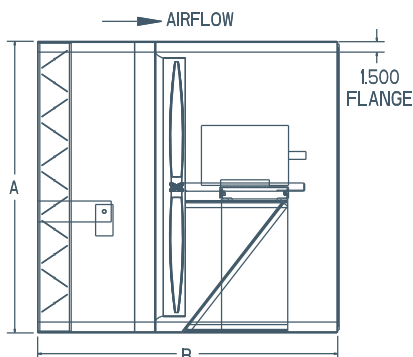
- Heavy gauge steel fan panel with deep spun and flared venturi for maximum efficiency.
- Heavy gauge welded steel motor and bearing supports.
- Galvanized heavy gauge steel fan blades that are statically and dynamically balanced.
- Heavy duty cast iron pillow block bearings.
- TEFC motors are standard.
- All damper motors are Belimo 120V with auxiliary switch.
- Complete with cabinet, motorized steel control damper and discharge guard.



Non-stock, made-to-order products are non-returnable and cannot be cancelled.

DIMENSIONS

MODEL	BLADE DIAMETER	A X A SQUARE	B (BELT DRIVE MOTOR FRAME)	
			56 - 184	213 - 286
SXB24	24"	29.875"	43"	--
SXB30	30"	35.875"	43"	--
SXB36	36"	41.875"	43"	49"
SXB42	42"	47.875"	43"	49"
SXB48	48"	53.875"	43"	49"
SXB54	54"	59.9375"	43"	49"
SXB60	60"	67.9375"	43"	49"



	MODEL #		RPM	H.P.	dBA @ 5 ft.	CFM @ STATIC PRESSURE					
	SINGLE PHASE	THREE PHASE				0"	1/8"	1/4"	3/8"	1/2"	5/8"
24"	SXB24CBMD10033	SXB24CBMD30033*	670	1/3	61.0	3947	3432	2115	-	-	-
	SXB24CBMD10050	SXB24CBMD30050*	805	1/2	65	4741	4345	3744	2494	-	-
	SXB24CBMD10075	SXB24CBMD30075*	925	3/4	70.0	5449	5126	4697	4021	2851	-
	SXB24CBMD10100	SXB24CBMD30100*	1040	1	73.0	6126	5851	5488	5041	4372	3224
30"	SXB30CBMD10033	SXB30CBMD30033*	470	1/3	59.0	5659	4009	1656	-	-	-
	SXB30CBMD10050	SXB30CBMD30050*	565	1/2	63.0	6803	5686	3653	1801	-	-
	SXB30CBMD10075	SXB30CBMD30075*	640	3/4	66.0	7707	6812	5162	3587	1873	-
	SXB30CBMD10100	SXB30CBMD30100*	715	1	69.0	8610	7840	6622	4835	3611	2084
36"	SXB30CBMD10150	SXB30CBMD30150*	830	1 1/2	73.0	9994	9377	8538	7251	5650	4712
	SXB36CBMD10050	SXB36CBMD30050*	410	1/2	59.0	8376	6415	3026	-	-	-
	SXB36CBMD10075	SXB36CBMD30075*	460	3/4	63.0	9398	7817	4352	2445	-	-
	SXB36CBMD10100	SXB36CBMD30100*	515	1	67.0	10521	9220	6780	4066	2329	-
42"	SXB36CBMD10150	SXB36CBMD30150*	605	1 1/2	71.0	12360	11385	9811	7019	4980	3504
	SXB36CBMD10200	SXB36CBMD30200*	675	2	73.0	13790	12916	11688	10056	6825	5530
	SXB42CBMD10075	SXB42CBMD30075*	330	3/4	58.0	9992	7292	2853	-	-	-
	SXB42CBMD10100	SXB42CBMD30100*	390	1	63.0	11808	9857	4899	2943	-	-
48"	SXB42CBMD10150	SXB42CBMD30150*	465	1 1/2	68.0	14079	12495	10231	5428	3970	-
	SXB42CBMD10200	SXB42CBMD30200*	510	2	71.0	15442	14007	12337	7747	5455	4055
	SXB42CBMD10300	SXB42CBMD30300*	590	3	75.0	17864	16642	15326	13504	9036	6700
	SXB48CBMD10100	SXB48CBMD30100*	330	1	63.0	15859	12661	6157	2806	-	-
54"	SXB48CBMD10150	SXB48CBMD30150*	380	1 1/2	67.0	18262	15801	10271	6174	3191	-
	SXB48CBMD10200	SXB48CBMD30200*	425	2	70.0	20426	18238	15076	8880	6340	3574
	SXB48CBMD10300	SXB48CBMD30300*	485	3	74.0	23309	21412	19101	15362	9889	7657
	SXB48CBMD10500	SXB48CBMD30500*	585	5	80.0	28115	26551	24931	22809	20195	14731
60"	SXB54CBMD10150	SXB54CBMD30150*	310	1 1/2	65.0	20639	17558	8844	4891	2335	-
	SXB54CBMD10200	SXB54CBMD30200*	345	2	68.0	22604	19784	13464	7498	4419	2087
	SXB54CBMD10300	SXB54CBMD30300*	400	3	72.0	26207	23807	20686	12521	8769	5883
	SXB54CBMD10500	SXB54CBMD30500*	475	5	76.0	31121	29226	27028	23815	16463	11676
60"	SXB54CBMD10750	SXB54CBMD30750*	545	7 1/2	81.0	35708	34145	32145	30368	27141	21191
	SXB60CBMD10150	SXB60CBMD30150*	275	1 1/2	64.0	23879	19746	10725	5394	2683	-
	SXB60CBMD10200	SXB60CBMD30200*	300	2	66.0	26050	22238	14927	8470	4649	2399
	SXB60CBMD10300	SXB60CBMD30300*	345	3	70.0	29957	26750	23322	14120	9596	6071
60"	SXB60CBMD10500	SXB60CBMD30500*	420	5	76.0	36470	34164	31028	28247	20069	15074
	SXB60CBMD10750	SXB60CBMD30750*	485	7 1/2	81.0	42114	40290	37542	35076	32620	26262

For three phase motors, substitute "*" with "M" for 230/460 volt (If 208V required please specify) or "P" for 575 volt
Fan blades tested in accordance with AMCA standard 210, figure 12
dBA ratings shown are measured at 0" static pressure and should be used as a guideline only

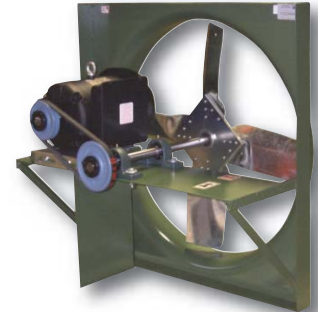
Please note this product is currently under review and the dimensions may change. Call for details.

HV - BELT DRIVE WALL FANS

Designed for heavy duty commercial and industrial applications
- Factories, Warehouses, Gymnasiums, Underground parking garages, etc.

These fans are typically used for high volume, high static pressure applications. The HV series is designed and constructed for efficient and economical operations while maximizing performance for heavy duty applications.

This fan is used for exhaust applications. Please consult factory for supply applications.



BACK VIEW

SPECIFICATIONS

	MODEL #		WEIGHT (LBS.)	RPM	H.P.	dBA @ 5 ft.	CFM @ STATIC PRESSURE							
	SINGLE PHASE	THREE PHASE					0"	1/8"	1/4"	3/8"	1/2"	5/8"	3/4"	
24"	HV24T10100	HV24T30100*	139	1175	1.0	74	6750	6234	5797	4871	3748	3073	2544	
	HV24T10150	HV24T30150*	118	1375	1.5	78	7898	7458	7049	6604	5824	4768	4049	
	HV24T10200	HV24T30200*	162	1515	2.0	81	8703	8303	7906	7581	7051	6267	5310	
	HV24T10300	HV24T30300*	175	1750	3.0	84	10053	9707	9360	9039	8757	8328	7784	
30"	HV30T10100	HV30T30100*	155	890	1.0	73	9056	8192	6801	4896	3715	2647	1739	
	HV30T10150	HV30T30150*	136	1085	1.5	78	11040	10331	9535	8237	6607	5385	4492	
	HV30T10200	HV30T30200*	176	1230	2.0	82	12515	11890	11253	10427	9087	7663	6499	
	HV30T10300	HV30T30300*	189	1405	3.0	85	14296	13749	13201	12588	11823	10713	9334	
	HV30T10500	HV30T30500*	201	1695	5.0	90	17247	16793	16339	15886	15393	14829	14111	
36"	HV36T10150	HV36T30150*	167	690	1.5	73	13129	11608	9045	6862	4705	3046	1938	
	HV36T10200	HV36T30200*	211	790	2.0	77	15032	13734	12277	9437	7757	5722	4174	
	HV36T10300	HV36T30300*	221	935	3.0	82	17791	16695	15526	14129	11533	9929	8689	
	HV36T10500	HV36T30500*	233	1140	5.0	88	21962	20793	19893	18903	17883	15993	13983	
	HV36T10750	HV36T30750*	322	1230	7.5	90	23404	22571	21737	20860	19915	18971	16876	
42"	HV42T10150	HV42T30150*	210	555	1.5	72	15811	13791	10645	6799	4462	3004	1926	
	HV42T10200	HV42T30200*	250	660	2.0	77	18802	17137	15196	11975	8648	6367	4833	
	HV42T10300	HV42T30300*	262	785	3.0	82	22363	20945	19507	17747	15061	11594	9620	
	HV42T10500	HV42T30500*	276	935	5.0	87	26636	25434	24286	23041	21550	19661	17023	
	HV42T10750	HV42T30750*	382	1085	7.5	91	30909	29873	28861	27882	26753	25543	24157	
48"	HV48T10200	HV48T30200*	275	635	2.0	80	26326	23713	21228	17948	12756	10669	8491	
	HV48T10300	HV48T30300*	294	750	3.0	85	31094	28711	26930	24543	21753	17660	14025	
	HV48T10500	HV48T30500*	309	875	5.0	89	36276	34042	32521	30974	28814	26521	23883	
	HV48T10750	HV48T30750*	413	940	7.5	92	38970	36891	35374	33953	32194	30183	27942	
54"	HV54T10200	HV54T30200*	354	405	2.0	70	22986	19134	11540	7965	5000	2787	-	
	HV54T10300	HV54T30300*	372	505	3.0	78	28661	25723	22119	1E+05	12020	8757	6667	
	HV54T10500	HV54T30500*	392	620	5.0	83	35188	32838	30203	27208	21951	16987	14820	
	HV54T10750	HV54T30750*	502	720	7.5	88	40863	38809	36754	34382	31736	27780	21541	
	HV54T11000	HV54T31000*	500	800	10.0	91	45404	43529	41789	39675	37594	35093	31863	
60"	HV60T10300	HV60T30300*	404	395	3.0	73	32640	26769	17386	12768	8585	4871	-	
	HV60T10500	HV60T30500*	412	510	5.0	81	42143	37596	32867	24495	19643	16488	13537	
	HV60T10750	HV60T30750*	552	600	7.5	86	49580	45715	41850	36219	29660	24923	21797	
	HV60T11000	HV60T31000*	557	670	10.0	89	55364	51903	48442	44980	38454	33060	28617	
	-	HV60T31500*	641	740	15.0	93	61149	58015	54881	51747	48613	41937	36959	

For three phase motors, substitute "M" with "M" for 230/460 volt (if 208V required please specify) or "P" for 575 volt
Fan blades tested in accordance with AMCA standard 210, figure 12
dBA ratings shown are measured at 0" static pressure and should be used as a guideline only

OPTIONS

For a complete listing of all available options, see page 31.



For fan complete with cabinet/guard and shutter, substitute "T" with CBS



For fan complete with front sleeve and shutter, substitute "T" with SLS



For fan with rear sleeve and back guard, substitute "T" with SLB

FEATURES

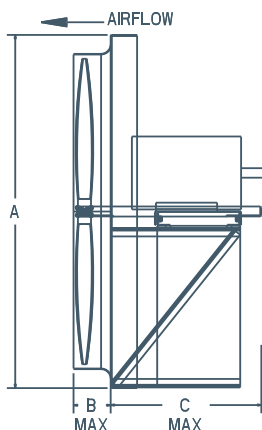
- Heavy gauge steel fan panel with deep spun and flared venturi for maximum efficiency.
- Heavy gauge welded steel motor and bearing supports.
- Galvanized heavy gauge steel fan blades that are statically and dynamically balanced.
- Heavy duty cast iron pillow block bearings.
- TEFC motors are standard.

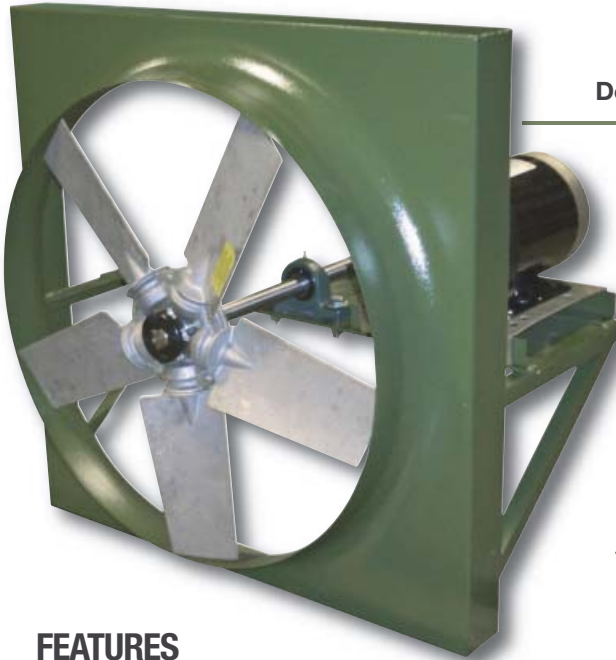


Non-stock, made-to-order products are non-returnable and cannot be cancelled.

DIMENSIONS

MODEL	BLADE DIAMETER	A X A SQUARE	B	C (BELT DRIVE MOTOR FRAME)	
				56 - 184	213 - 286
HV24	24"	29.625"	4.0"	18"	--
HV30	30"	35.625"	4.5"	18"	--
HV36	36"	41.625"	5.0"	18"	28"
HV42	42"	47.625"	5.0"	18"	28"
HV48	48"	53.625"	5.0"	18"	28"
HV54	54"	59.657"	5.5"	18"	28"
HV60	60"	67.657"	6.0"	18"	28"





HVA - BELT DRIVE WALL FANS

Designed for heavy duty commercial and industrial exhaust applications.

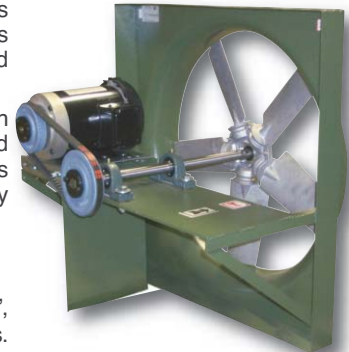
Heavy duty airfoil-cast aluminum or anti-static glass reinforced nylon blades are standard on HVA series fans providing maximum performance at low sound levels.

These fans are typically used for high volume, high static pressure applications. The HVA is designed and constructed for efficient and economical operations while maximizing performance for heavy duty applications.

This fan is used for exhaust applications.

Please consult factory for supply applications.

OPTIONAL - Reversing blades available on 30", 36", 42" and 48" models. Please consult factory for details.



BACK VIEW

FEATURES

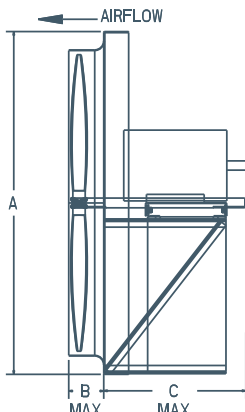
- Heavy gauge steel fan panel with deep spun and flared venturi for maximum efficiency.
- Heavy gauge welded steel motor and bearing supports.
- Balanced cast aluminum airfoil blades (24" - 48").
- Electro anti-static glass reinforced nylon blades available in 54" - 60".
- Heavy duty cast iron pillow block bearings.
- TEFC motors are standard.

Note Reversing fan with cabinet will be a steel control damper.

Note Non-stock, made-to-order products are non-returnable and cannot be cancelled.

DIMENSIONS

MODEL	BLADE DIAMETER	A X A SQUARE	B	C (BELT DRIVE MOTOR FRAME)	
				56 - 184	213 - 286
HVA24	24"	29.625"	4.0"	18"	--
HVA30	30"	35.625"	4.5"	18"	--
HVA36	36"	41.625"	5.0"	18"	28"
HVA42	42"	47.625"	5.0"	18"	28"
HVA48	48"	53.625"	5.0"	18"	28"
HVA54	54"	59.657"	5.5"	18"	28"
HVA60	60"	67.657"	6.0"	18"	28"



SPECIFICATIONS

BLADE DIAMETER	MODEL #			WEIGHT (LBS.)	RPM	H.P.	dBA @ 5 ft.	CFM @ STATIC PRESSURE					
	SINGLE PHASE	THREE PHASE	THREE PHASE REVERSING BLADE					0"	1/8"	1/4"	3/8"	1/2"	3/4"
24"	HVA24T10075	HVA24T30075*	-	113	1180	3/4	65	6750	6325	5880	5360	4700	2180
	HVA24T10100	HVA24T30100*	-	132	1295	1.0	67	7400	7020	6620	6180	5690	4690
	HVA24T10150	HVA24T30150*	-	114	1475	1.5	70	8430	8090	7680	7390	7000	6010
	HVA24T10200	HVA24T30200*	-	153	1620	2.0	72	9260	8960	8640	8330	7990	7220
	HVA24T10300	HVA24T30300*	-	165	1890	3.0	76	10800	10670	10290	10060	9730	8890
30"	HVA30T10100	HVA30T30100*	HVAR30T30100*	145	965	1.0	66	10800	10050	9190	8100	6610	2620
	HVA30T10150	HVA30T30150*	HVAR30T30150*	127	1095	1.5	69	12320	11650	11000	10130	9140	5210
	HVA30T10200	HVA30T30200*	HVAR30T30200*	169	1225	2.0	71	13810	13170	12550	11930	11100	9120
	HVA30T10300	HVA30T30300*	HVAR30T30300*	180	1380	3.0	74	15490	14910	14540	13930	13270	11790
	HVA30T10500	HVA30T30500*	HVAR30T30500*	191	1635	5.0	78	18410	17850	17540	17160	16590	15470
36"	HVA36T10150	HVA36T30150*	HVAR36T30150*	157	830	1.5	69	16300	14950	13590	11730	8430	4610
	HVA36T10200	HVA36T30200*	HVAR36T30200*	199	910	2.0	71	17820	16650	15420	13980	12190	7310
	HVA36T10300	HVA36T30300*	HVAR36T30300*	212	1045	3.0	74	20490	19220	18410	17550	16020	12050
	HVA36T10500	HVA36T30500*	HVAR36T30500*	223	1245	5.0	78	24410	23610	22650	21780	20070	18650
	HVA36T10750	HVA36T30750*	HVAR36T30750*	312	1425	7.5	80	27930	27110	26380	25790	24830	23230
42"	HVA42T10150	HVA42T30150*	HVAR42T30150*	190	695	1.5	69	18710	17040	14780	10950	6910	-
	HVA42T10200	HVA42T30200*	HVAR42T30200*	231	770	2.0	71	20690	19920	17310	15080	11320	4820
	HVA42T10300	HVA42T30300*	HVAR42T30300*	243	895	3.0	73	24120	22840	21430	19620	17680	10290
	HVA42T10500	HVA42T30500*	HVAR42T30500*	255	1005	5.0	75	27070	25980	24640	23230	21810	17750
	HVA42T10750	HVA42T30750*	HVAR42T30750*	351	1205	7.5	79	32420	31520	30640	29530	28290	25760
48"	HVA42T11000	HVA42T3100*	HVAR42T3100*	364	1335	10.0	81	35910	35170	34340	33410	32390	30120
	HVA48T10200	HVA48T30200*	HVAR48T30200*	273	645	2.0	68	22430	20350	18290	15340	11070	3560
	HVA48T10300	HVA48T30300*	HVAR48T30300*	284	745	3.0	71	25790	24330	22450	20510	17880	10780
	HVA48T10500	HVA48T30500*	HVAR48T30500*	295	885	5.0	75	30710	29440	27810	26370	24690	20570
	HVA48T10750	HVA48T30750*	HVAR48T30750*	393	1005	7.5	78	34830	33850	32310	31080	29810	26690
54"	HVA48T11000	HVA48T31000*	HVAR48T31000*	404	1105	10.0	80	38300	37240	36210	34760	33670	31090
	-	HVA48T31500*	HVAR48T31500*	516	1265	15.0	83	43870	42900	42230	40860	39850	37760
	HVA54T10300	HVA54T30300*	-	339	595	3.0	74	33120	30150	26930	22950	16680	5610
	HVA54T10500	HVA54T30500*	-	346	710	5.0	76	39490	37130	34510	31680	28620	18600
	HVA54T10750	HVA54T30750*	-	480	810	7.5	78	45020	42890	40760	38660	35890	29810
60"	HVA54T11000	HVA54T31000*	-	483	905	10.0	81	50330	48450	46590	44640	42420	37520
	-	HVA54T31500*	-	559	1025	15.0	86	57010	55520	53850	52110	50170	46260
	HVA60T10500	HVA60T30500*	-	377	605	5.0	74	47580	44240	40920	36300	29670	16490
	HVA60T10750	HVA60T30750*	-	508	690	7.5	76	54300	51240	48620	45760	41310	27620
	HVA60T11000	HVA60T31000*	-	520	755	10.0	78	59420	56770	54150	51490	48410	39330
	-	HVA60T31500*	-	605	870	15.0	81	68490	66320	63840	61710	59300	53450
	-	HVA60T32000*	-	670	955	20.0	84	75110	73090	70670	68880	67010	62340

For three phase motors, substitute "M" with "M" for 230/460 volt (If 208V required please specify) or "P" for 575 volt Fan blades tested in accordance with AMCA standard 210, figure 12 dBA ratings shown are measured at 0" static pressure and should be used as a guideline only

OPTIONS

For a complete listing of all available options, see page 31.



For fan complete with cabinet/guard and shutter, substitute "T" with CBS



For fan complete with front sleeve and shutter, substitute "T" with SLS



For fan with rear sleeve and back guard, substitute "T" with SLB



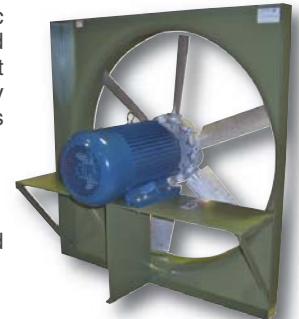
ADD - DIRECT DRIVE WALL FANS

Designed for heavy duty commercial and industrial applications
- Factories, Warehouses, Gymnasiums, Underground parking garages, etc.

These fans are typically used for high volume, high static pressure applications. The series ADD is designed and constructed for efficient & economical operations and is direct drive, therefore requiring little or no maintenance. Heavy duty airfoil cast aluminum blades are standard to ADD series fans providing maximum performance at low sound levels.

This fan is used for exhaust applications.
Please consult factory for supply applications.

OPTIONAL - Reversing blades available on 30", 36", 42" and 48" models. Consult factory for details.



BACK VIEW

FEATURES

- Heavy gauge steel fan panel with deep spun and flared venturi for maximum efficiency.
- Heavy gauge welded steel motor supports.
- Cast aluminum airfoil blades.
- TEFC motors are standard.



These fans can be combined with Explosion Proof Motors for use in hazardous locations. Please consult factory.



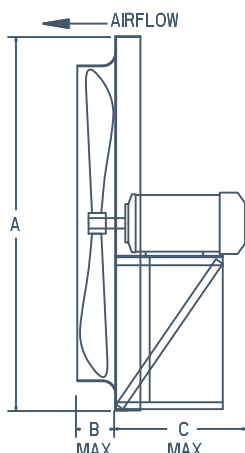
Reversing fan with cabinet will be a steel control damper.



Non-stock, made-to-order products are non-returnable and cannot be cancelled.

DIMENSIONS

MODEL	BLADE DIAMETER	A X A SQUARE	B	C (DIRECT DRIVE MOTOR FRAME)		
				56 - 184	213 - 215	254 - 286
ADD12	12"	16.125"	2.0"	13"	--	--
ADD14	14"	18.125"	2.5"	13"	--	--
ADD16	16"	20.125"	3.0"	13"	--	--
ADD18	18"	22.125"	3.0"	13"	--	--
ADD20	20"	24.125"	3.5"	13"	--	--
ADD24	24"	29.625"	4.0"	13"	14"	--
ADD30	30"	35.625"	4.5"	13"	14"	25"
ADD36	36"	41.625"	5.0"	13"	14"	25"
ADD42	42"	47.625"	5.0"	13"	14"	25"
ADD48	48"	53.625"	5.0"	--	14"	25"



SPECIFICATIONS

BLADE DIAMETER	MODEL #			WEIGHT (LBS.)	RPM	H.P.	dBA @ 5 ft.	CFM @ STATIC PRESSURE							
	SINGLE PHASE	THREE PHASE	THREE PHASE REVERSING BLADE					0"	1/8"	1/4"	1/2"	3/4"	1"	1 1/4"	
12"	ADD12T10033C	ADD12T30033C*	-	40	1140	1/3	45	990	760	102	-	-	-	-	
	ADD12T10033B	ADD12T30033B*	-	34	1750	1/3	55	1450	1340	1230	313	-	-	-	
	ADD14T10033C	ADD14T30033C*	-	42	1140	1/3	49	1450	1190	443	-	-	-	-	
	ADD14T10033B	ADD14T30033B*	-	34	1750	1/3	58	2220	2070	1920	1350	512	185	-	
	ADD16T10033C	ADD16T30033C*	-	46	1140	1/3	53	2150	1960	1640	340	-	-	-	
	ADD16T10050B	ADD16T30050B*	-	38	1750	1/2	63	3300	3180	3040	2690	1750	825	370	
	ADD18T10033C	ADD18T30033C*	-	47	1140	1/3	57	2990	2740	2450	845	-	-	-	
	ADD18T10075B	ADD18T30075B*	-	40	1750	3/4	67	4590	4440	4280	3910	3260	1750	-	
	ADD20T10033C	ADD20T30033C*	-	50	1140	1/3	62	4530	3920	3180	739	-	-	-	
	ADD20T10100B	ADD20T30100B*	-	61	1750	1	72	6950	6570	6155	5300	3225	1860	853	
	ADD24T10050C	ADD24T30050C*	-	91	1140	1/2	59	4990	4610	4180	2920	1210	-	-	
	ADD24T10100C	ADD24T30100C*	-	125	1140	1	65	6520	6090	5630	4380	1920	813	-	
14"	-	ADD24T30150C*	-	117	1140	1.5	67	8710	8190	7630	6020	2380	720	-	
	ADD24T10150B	ADD24T30150B*	-	71	1750	1.5	68	7660	7430	7160	6620	5980	5170	4020	
	ADD24T10200B	ADD24T30200B*	-	113	1750	2	73	9210	8950	8660	8090	7470	6660	5540	
	ADD24T10300B	ADD24T30300B*	-	125	1750	3	75	11500	11220	10900	10200	9490	8680	7540	
	ADD30T10100C	ADD30T30100C*	ADDR30T30100C*	138	1140	1	65	8680	8110	7480	6000	3630	1550	-	
	-	ADD30T30150C*	ADDR30T30150C*	131	1140	1.5	69	11800	11230	10600	8950	6070	3070	-	
	ADD30T10300B	ADD30T30300B*	ADDR30T30300B*	149	1140	2	70	12780	12170	11490	9850	7320	3620	-	
	ADD30T10500B	ADD30T30500B*	ADDR30T30500B*	149	1750	3	74	13300	12950	12550	11700	11000	9980	8830	
	-	ADD36T30200C*	ADDR36T30200C*	180	1140	2	73	14000	13240	12400	10600	8390	5530	-	
	-	ADD36T30300C*	ADDR36T30300C*	212	1140	3	74	19400	18520	17550	15600	13100	8980	6450	
	-	ADD36T30500C*	ADDR36T30500C*	223	1140	5	76	23600	22870	22050	19700	16850	11700	9220	
	ADD36T10500B	ADD36T30500B*	ADDR36T30500B*	180	1750	5	75	16200	15730	15200	14200	12800	12200	11050	
16"	ADD36T10750B	ADD36T30750B*	ADDR36T30750B*	245	1750	7.5	82	21500	20980	20400	19400	18350	17100	15850	
	ADD36T11000B	ADD36T31000B*	ADDR36T31000B*	255	1750	10	83	29700	29160	28550	27300	26150	24900	23700	
	-	ADD42T30200D*	ADDR42T30200D*	233	860	2	70	19200	17830	16300	12400	6720	-	-	
	-	ADD42T30300D*	ADDR42T30300D*	233	860	3	72	23210	21800	20230	16280	8980	3940	-	
	-	ADD42T30500D*	ADDR42T30500D*	353	860	5	75	28900	27340	25600	20800	11100	6290	-	
	-	ADD42T30500C*	ADDR42T30500C*	236	1140	5	76	25500	24580	23550	21100	18300	14200	10100	
	-	ADD42T30750C*	ADDR42T30750C*	258	1140	7.5	78	30690	29770	28750	26190	23350	19410	12780	
	-	ADD42T31000B*	ADDR42T31000B*	254	1750	10	83	26700	25990	25200	23750	22380	21100	19570	
	-	ADD42T31500B*	ADDR42T31500B*	380	1750	15	85	39100	38620	38080	36700	34640	33500	32040	
	-	ADD48T30500D*	ADDR48T30500D*	382	860	5	75	29820	28450	26940	23790	16820	12790	6740	
	-	ADD48T30750D*	ADDR48T30750D*	507	860	7.5	77	35700	34160	32450	28600	22400	16800	8270	
	-	ADD48T31000C*	ADDR48T31000C*	425	1140	10	81	39500	38500	37400	35000	32700	29800	26050	
18"	-	ADD48T31500C*	ADDR48T31500C*	570	1140	15	83	47300	46230	45050	42300	38600	36200	33490	
	-	ADD48T32000C*	ADDR48T32000C*	596	1140	20	85	53900	52740	51450	48400	45200	42300	37120	

For three phase motors, substitute "M" with "M" for 230/460 volt (If 208V required please specify) or "P" for 575 volt
Fan blades tested in accordance with AMCA standard 210, figure 12
dBA ratings shown are measured at 0" static pressure and should be used as a guideline only

OPTIONS

For a complete listing of all available options, see page 31.



For fan complete with cabinet/guard and shutter, substitute "T" with CBS



For fan complete with front sleeve and shutter, substitute "T" with SLS



For fan with rear sleeve and back guard, substitute "T" with SLB



DDP - DIRECT DRIVE WALL FANS

Designed for heavy duty commercial and industrial applications
- Factories, Warehouses, Gymnasiums, Underground parking garages, etc.

The DDP fan utilizes a fiberglass reinforced polypropylene blade that runs more efficiently and quieter than steel fan blades.

Available in 12" - 24" blade sizes and 1/4 - 2 HP motor sizes.

This fan is used for exhaust applications.
Please consult factory for supply applications.



BACK VIEW

FEATURES

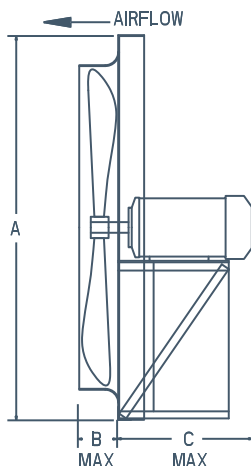
- Heavy gauge steel fan panel with deep spun and flared venturi for maximum efficiency.
- Heavy gauge welded steel motor supports.
- Fiberglass reinforced polypropylene blades.
- TEFC motors are standard.



Non-stock, made-to-order products are non-returnable and cannot be cancelled.

DIMENSIONS

MODEL	BLADE DIAMETER	A X A SQUARE	B	C (DIRECT DRIVE MOTOR FRAME)	
				56 - 184	213 - 215
DDP12	12"	16.125"	2.0"	13"	--
DDP14	14"	18.125"	2.5"	13"	--
DDP16	16"	20.125"	3.0"	13"	--
DDP18	18"	22.125"	3.0"	13"	--
DDP20	20"	24.125"	3.5"	13"	--
DDP24	24"	29.625"	4.0"	13"	14"



SPECIFICATIONS

BLADE DIAMETER	MODEL #		WEIGHT (LBS.)	RPM	H.P.	dBA @ 5 ft.	CFM @ STATIC PRESSURE						
	SINGLE PHASE	THREE PHASE					0"	1/8"	1/4"	3/8"	1/2"	5/8"	3/4"
	12"	DDP1230T1033C	DDP1230T3033C*	41	1140	1/3	50	929	755	472	-	-	-
DDP1235T1033C		DDP1235T3033C*	41	1140	1/3	51	1080	859	475	-	-	-	-
DDP1240T1033C		DDP1240T3033C*	41	1140	1/3	51	1240	997	559	-	-	-	-
DDP1230T1033B		DDP1230T3033B*	33	1750	1/3	30	1410	1300	1180	1050	890	-	-
DDP1235T1033B		DDP1235T3033B*	33	1750	1/3	61	1630	1500	1350	1200	985	-	-
14"	DDP1430T1033C	DDP1430T3033C*	45	1140	1/3	51	1460	1250	1010	560	-	-	-
	DDP1435T1033C	DDP1435T3033C*	45	1140	1/3	52	1680	1430	1120	636	-	-	-
	DDP1430T1033B	DDP1430T3033B*	37	1750	1/3	61	2210	2080	1950	1800	1640	1425	-
	DDP1435T1033B	DDP1435T3033B*	37	1750	1/3	62	2540	2380	2210	2020	1820	1575	-
16"	DDP1630T1033C	DDP1630T3033C*	49	1140	1/3	54	2070	1845	1610	940	-	-	-
	DDP1635T1033C	DDP1635T3033C*	49	1140	1/3	55	2300	2065	1780	1060	-	-	-
	DDP1640T1033C	DDP1640T3033C*	49	1140	1/3	57	1730	2440	2070	1230	-	-	-
	DDP1630T1050B	DDP1630T3050B*	41	1750	1/2	64	3130	2980	2830	2680	2530	2350	2130
	DDP1635T1050B	DDP1635T3050B*	41	1750	1/2	64	3480	3330	3170	3000	2820	2610	2400
	DDP1640T1050B	DDP1640T3050B*	41	1750	3/4	66	4130	3940	3730	3550	3290	3000	2680
18"	DDP1830T1033C	DDP1830T3033C*	50	1140	1/3	55	2790	2530	2270	1870	-	-	-
	DDP1835T1033C	DDP1835T3033C*	50	1140	1/3	58	3190	2910	2600	2205	1330	-	-
	DDP1840T1050C	DDP1840T3050C*	62	1140	1/2	61	3850	3480	3040	2485	1580	-	-
	DDP1830T1075B	DDP1830T3075B*	42	1750	3/4	67	4220	4050	3880	3710	3530	3340	3110
	DDP1835T1100B	DDP1835T3100B*	62	1750	1	68	4830	4650	4460	4260	4060	3850	3570
	DDP1840T1150B	DDP1840T3150B*	72	1750	1.5	70	5830	5600	5340	5100	4780	4480	4150
20"	DDP2030T1033C	DDP2030T3033C*	53	1140	1/3	63	3710	3405	3100	2720	2040	-	-
	DDP2035T1050C	DDP2035T3050C*	65	1140	1/2	63	4240	3960	3610	3215	2650	-	-
	DDP2030T1100B	DDP2030T3100B*	65	1750	1	72	5610	5420	5220	5000	4800	4610	4370
	DDP2035T1150B	DDP2035T3150B*	75	1750	1.5	73	6410	6220	6010	5800	5600	5360	5110
	DDP2040T1150B	DDP2040T3150B*	75	1750	1.5	73	7770	7530	7300	7000	6660	6350	5980
24"	DDP2425T1050C	DDP2425T3050C*	86	1140	1/2	63	4790	4260	3700	2865	1980	1345	-
	DDP2430T1050C	DDP2430T3050C*	86	1140	1/2	63	5710	5160	4520	3780	2730	2010	-
	DDP2435T1075C	DDP2435T3075C*	88	1140	3/4	64	6420	5815	5180	4425	3370	2445	1810
	DDP2425T1100B	DDP2425T3100B*	86	1750	1	73	7240	6900	6550	6210	5850	5370	4840
	DDP2430T1150B	DDP2430T3150B*	76	1750	1.5	73	8580	8300	7920	7510	7100	6640	6150
	DDP2435T1200B	DDP2435T3200B*	108	1750	2	75	9660	9280	8880	8530	8110	7620	7150

For three phase motors, substitute "M" for 230/460 volt (If 208V required please specify) or "P" for 575 volt
Fan blades tested in accordance with AMCA standard 210, figure 12
dBA ratings shown are measured at 0" static pressure and should be used as a guideline only

OPTIONS

For a complete listing of all available options, see page 31.



For fan complete with cabinet/guard and shutter, substitute "T" with CBS



For fan complete with front sleeve and shutter, substitute "T" with SLS



For fan with rear sleeve and back guard, substitute "T" with SLB

DDS - DIRECT DRIVE WALL FANS

Designed for heavy duty commercial and industrial applications - Factories, Warehouses, Gymnasiums, Underground parking garages, etc.

The DDS fan utilizes a steel fan blade for efficient and economical operations and is direct drive, therefore requiring little to no maintenance.

This fan is used for exhaust applications. Please consult factory for supply applications.



BACK VIEW

SPECIFICATIONS

BLADE DIAMETER	MODEL #		WEIGHT (LBS.)	RPM	H.P.	dBA @ 5 ft.	CFM @ STATIC PRESSURE							
	SINGLE PHASE	THREE PHASE					0"	1/8"	1/4"	3/8"	1/2"	5/8"	3/4"	
12"	DDS12T1033C	DDS12T3033C*	42	1140	1/3	53	940	647	325	-	-	-	-	
	DDS12T1033B	DDS12T3033B*	34	1750	1/3	65	1422	1285	1062	697	587	419	234	
14"	DDS14T1033C	DDS14T3033C*	45	1140	1/3	58	1346	1082	624	395	111	-	-	
	DDS14T1033B	DDS14T3033B*	38	1750	1/3	67	2037	1879	1705	1417	1032	882	733	
16"	DDS16T1033C	DDS16T3033C*	50	1140	1/3	63	1981	1660	1064	765	463	133	-	
	DDS16T1033B	DDS16T3033B*	42	1750	1/3	72	2992	2841	2607	2223	1808	1521	1314	
18"	DDS18T1033C	DDS18T3033C*	52	1140	1/3	64	2654	2331	1606	1077	745	449	228	
	DDS18T1050B	DDS18T3050B*	44	1750	1/2	74	4016	3816	3594	3304	2934	2173	1814	
20"	DDS20T1033C	DDS20T3033C*	56	1140	1/3	69	3561	3210	2734	1774	1350	986	675	
	DDS20T1100B	DDS20T3100B*	67	1750	1	78	5389	5162	4926	4674	4350	3951	3191	
24"	DDS24T1075C	DDS24T3075C*	100	1140	3/4	73	6549	6017	5527	4482	3454	2801	2226	
	DDS24T1100B	DDS24T3100B*	93	1750	1	81	6761	6453	6128	5792	5291	4802	4316	
30"	DDS24T1300B	DDS24T3300B*	132	1750	3	84	9909	9558	9207	8886	8599	8131	7576	
	-	DDS30T3150C*	139	1140	1.5	79	11600	10925	10193	9127	7504	6177	5178	
36"	DDS30T1500B	DDS30T3500B*	157	1750	5	90	17552	17106	16661	16215	15745	15190	14541	
	-	DDS36T3200D*	230	860	2	80	16364	15172	13864	11597	9443	8094	6134	
42"	-	DDS36T3500C*	233	1140	5	88	21692	20793	19893	18903	17883	15993	13983	
	-	DDS42T3500D*	371	860	5	85	24499	23193	21957	20490	18660	15890	12704	
48"	-	DDS42T3500C*	253	1140	5	88	23209	22619	21962	21019	19925	18829	17519	
	-	DDS48T3750D*	520	860	7.5	89	35654	33411	31857	30219	28021	25622	22628	
48"	-	DDS48T3750C*	398	1140	7.5	92	32563	31677	30688	29636	28562	27222	25795	

BLADE DIAMETER

AIRFLOW

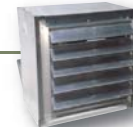
For three phase motors, substitute "" with "M" for 230/460 volt (If 208V required please specify) or "P" for 575 volt Fan blades tested in accordance with AMCA standard 210, figure 12 dBA ratings shown are measured at 0" static pressure and should be used as a guideline only

OPTIONS

For a complete listing of all available options, see page 31.



For fan complete with cabinet/guard and shutter, substitute "T" with CBS



For fan complete with front sleeve and shutter, substitute "T" with SLS



For fan with rear sleeve and back guard, substitute "T" with SLB

FEATURES

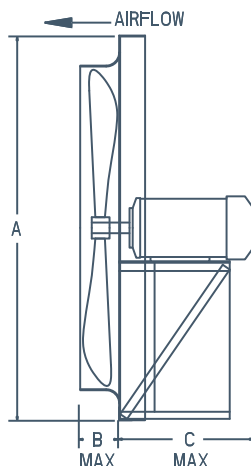
- Heavy gauge steel fan panel with deep spun and flared venturi for maximum efficiency.
- Heavy gauge welded steel motor supports.
- Galvanized, heavy gauge steel blades that are statically and dynamically balanced.
- TEFC motors are standard.



Non-stock, made-to-order products are non-returnable and cannot be cancelled.

DIMENSIONS

MODEL	BLADE DIAMETER	A X A SQUARE	B	C (DIRECT DRIVE MOTOR FRAME)		
				56 - 184	213 - 215	254 - 286
DDS12	12"	16.125"	2.0"	13"	--	--
DDS14	14"	18.125"	2.5"	13"	--	--
DDS16	16"	20.125"	3.0"	13"	--	--
DDS18	18"	22.125"	3.0"	13"	--	--
DDS20	20"	24.125"	3.5"	13"	--	--
DDS24	24"	29.625"	4.0"	13"	14"	--
DDS30	30"	35.625"	4.5"	13"	14"	25"
DDS36	36"	41.625"	5.0"	13"	14"	25"
DDS42	42"	47.625"	5.0"	13"	14"	25"
DDS48	48"	53.625"	5.0"	--	14"	25"

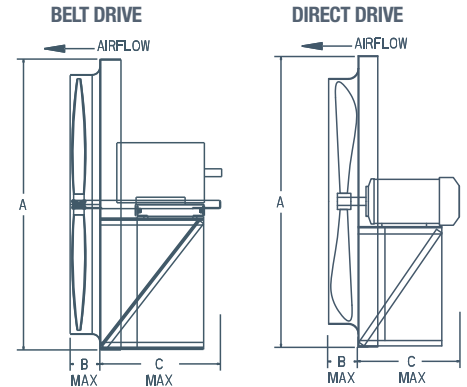


WALL EXHAUST FANS & VENTURI DIMENSIONS FOR STANDARD OPTIONS

VENTURI



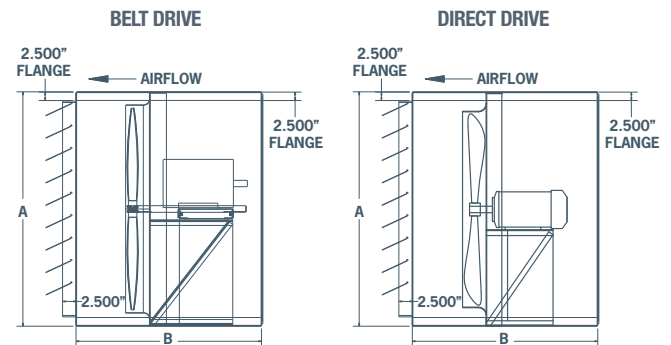
BLADE DIAMETER	A X A SQUARE	B	C					
			BELT DRIVE MOTOR FRAME		DIRECT DRIVE MOTOR FRAME			
			56 - 184	213 - 286	56 - 184	213 - 215	254 - 286	
12"	16.125"	2.0"	--	--	13"	--	--	
14"	18.125"	2.5"	--	--	13"	--	--	
16"	20.125"	3.0"	--	--	13"	--	--	
18"	22.125"	3.0"	--	--	13"	--	--	
20"	24.125"	3.5"	--	--	13"	--	--	
24"	29.625"	4.0"	18"	--	13"	14"	--	
30"	35.625"	4.5"	18"	--	13"	14"	25"	
36"	41.625"	5.0"	18"	28"	13"	14"	25"	
42"	47.625"	5.0"	18"	28"	13"	14"	25"	
48"	53.625"	5.0"	18"	28"	--	14"	25"	
54"	59.657"	5.5"	18"	28"	--	--	--	
60"	67.657"	6.0"	18"	28"	--	--	--	



CABINET, BACK GUARD & SHUTTER



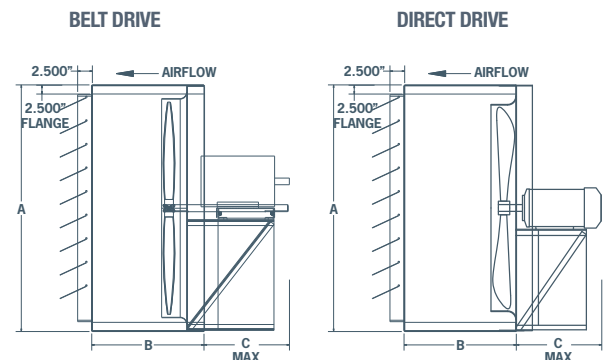
BLADE DIAMETER	A X A SQUARE	B					
		BELT DRIVE MOTOR FRAME		DIRECT DRIVE MOTOR FRAME			
		56 - 184	213 - 286	56 - 184	213 - 215	254 - 286	
12"	16.375"	--	--	26"	--	--	
14"	18.375"	--	--	26"	--	--	
16"	20.375"	--	--	26"	--	--	
18"	22.375"	--	--	26"	--	--	
20"	24.375"	--	--	26"	--	--	
24"	29.875"	33"	--	33"	33"	--	
30"	35.875"	33"	--	33"	33"	43"	
36"	41.875"	33"	43"	33"	33"	43"	
42"	47.875"	33"	43"	33"	33"	43"	
48"	53.875"	33"	43"	--	33"	43"	
54"	59.9375"	33"	43"	--	--	--	
60"	67.9375"	33"	43"	--	--	--	



FRONT SLEEVE & SHUTTER



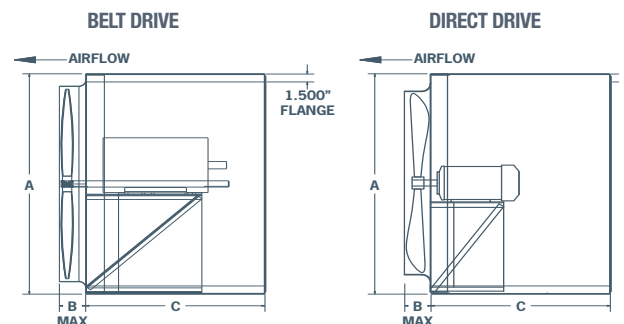
BLADE DIAMETER	A X A SQUARE	B	C					
			BELT DRIVE MOTOR FRAME		DIRECT DRIVE MOTOR FRAME			
			56 - 184	213 - 286	56 - 184	213 - 215	254 - 286	
12"	16.375"	15.0"	--	--	12"	--	--	
14"	18.375"	15.0"	--	--	12"	--	--	
16"	20.375"	15.0"	--	--	12"	--	--	
18"	22.375"	15.0"	--	--	12"	--	--	
20"	24.375"	15.0"	--	--	12"	--	--	
24"	29.875"	19.0"	15"	--	10"	11"	--	
30"	35.875"	19.0"	15"	--	10"	11"	22"	
36"	41.875"	19.0"	15"	25"	10"	11"	22"	
42"	47.875"	19.0"	15"	25"	10"	11"	22"	
48"	53.875"	19.0"	15"	25"	--	11"	22"	
54"	59.9375"	19.0"	15"	25"	--	--	--	
60"	67.9375"	19.0"	15"	25"	--	--	--	



REAR SLEEVE & BACK GUARD



BLADE DIAMETER	A X A SQUARE	B	C					
			BELT DRIVE MOTOR FRAME		DIRECT DRIVE MOTOR FRAME			
			56 - 184	213 - 286	56 - 184	213 - 215	254 - 286	
12"	16.375"	2.0"	--	--	15"	--	--	
14"	18.375"	2.5"	--	--	15"	--	--	
16"	20.375"	3.0"	--	--	15"	--	--	
18"	22.375"	3.0"	--	--	15"	--	--	
20"	24.375"	3.5"	--	--	15"	--	--	
24"	29.875"	4.0"	19"	--	19"	19"	--	
30"	35.875"	4.5"	19"	--	19"	19"	29"	
36"	41.875"	5.0"	19"	29"	19"	19"	29"	
42"	47.875"	5.0"	19"	29"	19"	19"	29"	
48"	53.875"	5.0"	19"	29"	--	19"	29"	
54"	59.9375"	5.5"	19"	29"	--	--	--	
60"	67.9375"	6.0"	19"	29"	--	--	--	



OPTIONS & ACCESSORIES

CABINET, BACK GUARD & SHUTTER



REAR SLEEVE & BACK GUARD



FRONT SLEEVE & SHUTTER



MOTOR OPTIONS

TWO SPEED MOTOR

Two speed motors are available for some of Canarm/LFI's exhaust fans. 1800/1200 or 1800/900 RPM variable torque, single and three phase. Consult factory for available voltages and configurations.

EXPLOSION PROOF MOTORS

Some of Canarm/LFI exhaust fans can be equipped with Explosion Proof Motors for hazardous locations. Class I, Groups C & D - Class II, Groups F & G. Consult factory for models.

CLASS I, GROUP C Atmospheres containing ethyl ether, ethylene, gases or vapors of equivalent hazard.

CLASS I, GROUP D Atmospheres such as acetone, ammonia, benzene, butane, cyclopropane, ethanol, gasoline, hexane, methane, natural gas, naphtha, propane, or gasses or vapors of equivalent hazard.

CLASS II GROUP F Atmospheres containing carbonaceous dust, including carbon black, charcoal, coal, or coke dusts that have more than 8% total entrapped volatiles, or dusts that have been sensitized by other materials so that they present an explosion hazard.

CLASS II GROUP G Atmospheres containing combustible dusts not included in group E or F, including flour, grain, wood, plastic and chemicals.

STEEL CONTROL & MOTORIZED CONTROL DAMPERS



Motorized steel control dampers can be mounted in fan cabinet or sleeve in either exhaust or intake applications. Consult factory.

FIXED LOUVRES

Fixed louvres are available shipped loose or mounted in fan cabinet or sleeve for exhaust or intake applications. Consult factory.

GUARDS



FRONT GUARD

Front guards available. Consult factory. Wire mesh not available on all sizes.

SPECIAL COATING

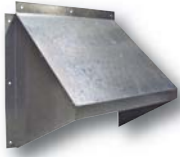
For most applications, Canarm LFI's standard enamel paint will provide the necessary surface protection for painted parts. For special requirements, coatings such as hot dipped galvanizing and epoxy, please consult factory.

DISCONNECT SWITCHES

Wire disconnect switches are available. See page 77 for details.

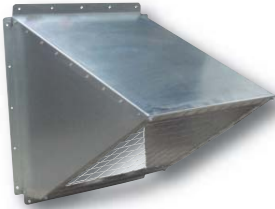
HOODS

GH GALVANIZED HOODS



- Economical shipping.
- Easy to assemble, galvanized hood.
- No screens.

GH KNOCK DOWN HOODS



- Easy to assemble, galvanized hood.
- Includes bird screen.

WHA HOODS



- For AX fans.
- Shipped fully assembled.
- 18 gauge galvanized weather hoods complete with bird screen.

WHP HOODS



- Optional insect screen available. Consult factory.
- For Panel fans.

INTAKE & EXHAUST HOODS



- Shipped fully assembled.
- 18 gauge galvanized weather hoods complete with bird screen.

PLASTIC HOODS



- Rugged, grey plastic hood.
- No screens.

HOOD MODEL	DIMENSIONS		APPROX. WEIGHT (LBS)	FANS THAT WILL FIT
	INSIDE DIMENSIONS	OUTSIDE DIMENSIONS		
GH-XF12-M	14.75"W X 14.0"H	18"W X 15.75"H	4	XF12 / XB12 / SD8 / SD10 / AX8 / AX10 / AX12
GH-XF16-M	18.75"W X 17.75"H	22"W X 19.75"H	7	XF16 / XB12 / HV12 / HVA12 / ADD12 / DDP12 / DDS12 / SD12-14 / AX14-16
GH-XF20-M	22.75"W X 22"H	26"W X 23.75"H	9	XF20 / XB14 / XB16 / HV14-16 / HVA14-16 / ADD14-16 / DDP14-16 / DDS14-16 / SD16-18 / AX18-20
GH-XF24-M	26.75"W X 26"H	29"W X 27.25"H	12	XF24
GH KNOCK DOWN HOODS				
GH-KD24	31.65"W X 31.85"H	34.65"W X 34.83"H	31	XB24 / HV24 / HVA24 / ADD24 / DDP24 / DDS24 / SD24 / AX24
GH-KD36	43.62"W X 43.93"H	46.62"W X 46.82"H	75	XB30-36 / HV30-36 / HVA30-36 / ADD30-36 / DDS30-36 / SD30-36 / AX30-36 / SD42 / AX42
GH-KD48	55.62"W X 55.25"H	58.62"W X 58.82"H	TBA	XB42-48 / HV42-48 / HVA42-48 / ADD42-48 / DDS42-48
GH-KD60	69.76"W X 69.92"H	72.76"W X 72.95"H	TBA	XB54-60 / HV54-60 / HVA54-60 / ADD54-60
WHA HOODS				
WHA8-10	12.11"W X 12.11"H		13	AX08-10, SD8
WHA12	14.05"W X 14.05"H		16	AX12, SD10
WHA14	16.11"W X 16.11"H		22	AX14, SD12
WHA16	18.11"W X 18.11"H		26	AX16, SD14
WHA18	20.11"W X 20.11"H		29	AX18, SD16
WHA20	22.05"W X 22.05"H		31	AX20, SD18
WHA24	26.05"W X 26.05"H		47	AX24
WHA30	33.05"W X 33.05"H		59	AX30
WHA36	39.11"W X 39.11"H		76	AX36
WHP HOODS				
WH8-10P	14.45"W x 14.45"H		20	P08 / P10
WH12P	17.40"W X 17.40"H		16	P12
WH14P	19.20"W X 19.20"H		24	P14
WH16P	21.20"W X 21.20"H		26	P16
WH18P	23.20"W X 23.20"H		29	P18
WH20P	25.20"W X 25.20"H		44	P20
WH24P	29.15"W X 29.15"H		44	P24
WH30P	35.65"W X 35.65"H		60	P30
WH36P	41.65"W X 41.65"H		77	P36
EXHAUST / INTAKE / WEATHER HOODS				
EH12	16.55"W X 16.55"H		9	XF12 / SD8-12 / AX8-14 / XB12 / HV12 / HVA12 / ADD12 / DDP12 / DDS12
EH14	18.60"W X 18.60"H		15	XB14 / HV14 / HVA14 / ADD14 / DDP14 / DDS14 / SD14 / XF16 / AX16
EH16	20.60"W X 20.60"H		20	AX18 / SD16 / XB16 / HV16 / HVA16 / ADD16 / DDP16 / DDS16
EH18	22.55"W X 22.55"H		31	SD18 / XB18 / HV18 / HVA18 / ADD18 / DDP18 / DDS18 / XF20 / AX20
EH20	24.55"W X 24.55"H		44	SD20 / XB20 / XF24 / HV20 / HVA20 / ADD20 / DDP20 / DDS20
EH24	30.05"W X 30.05"H		60	SD24 / AX24 / XB24 / ADD24 / HV24 / HVA24 / DDP24 / DDS24
EH30	36.35"W X 36.35"H		72	SD30 / AX30 / XB30 / HV30 / HVA30 / ADD30 / DDS30 / JFHVA24
EH36	42.30"W X 42.30"H		104	SD36 / AX36 / XB36 / HV36 / HVA36 / ADD36 / DDS36 / JFHVA30
EH42	48.63"W X 48.63"H		163	XB42 / HV42 / HVA42 / ADD42 / DDS42 / JFHVA36 / SD42 / AX42
EH48	54.64"W X 54.64"H		TBA	XB48 / HV48 / HVA48 / ADD48 / DDS48 / JFHVA42
EH54	61.20"W X 61.20"H		TBA	XB54 / HV54 / HVA54 / ADD54 / JFHVA48
EH60	69.39"W X 69.39"H		TBA	XB60 / HV60 / HVA60 / ADD60
PLASTIC HOODS				
HFP-18G	21.50"W X 21.75"H		9	S8 / S10 / S12 / S14 / S16 / S18 AX08 / AX10 / AX12 / AX14 / AX16 / AX18
HFP-24G	27.50"W X 27.75"H		13	S20 / S24 AX20 / AX24

AX - SHUTTER MOUNTED FANS

Designed for Industrial, Commercial & Farming applications.



AX SERIES MOTOR



FEATURES

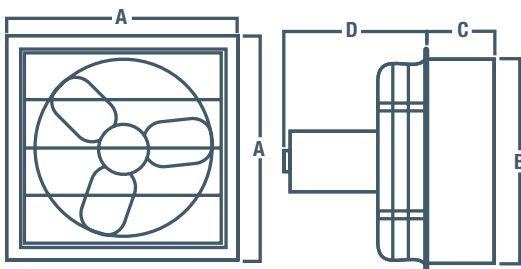
- Sturdily constructed from all-aluminum extrusions.
- 8" - 24" models have heavy wire chrome plated OSHA guards on intake side of fan.
- 30", 36" & 42" models have grey powder coated guards.
- Totally enclosed air over motor with overload protection.



DIMENSIONS

MODEL	A	B	C	D	
				AX	AX-4~
AX08	14 3/4"	11 3/4"	5"	7"	-
AX10	14 3/4"	11 3/4"	5"	7"	-
AX12	16 3/4"	13 3/4"	5"	11"	13 3/4"
AX14	18 3/4"	15 3/4"	5"	11"	13 3/4"
AX16	20 3/4"	17 3/4"	5"	11"	13 3/4"
AX18	22 3/4"	19 3/4"	5"	12"	14"
AX20	24 3/4"	21 3/4"	5"	12"	14"
AX24	28 3/4"	25 3/4"	5"	12"	13 3/4"
AX30	35 1/4"	32 3/4"	5"	13"	-
AX36	41 1/4"	38 3/4"	5"	12"	-
AX42	47 3/4"	44 3/4"	5"	11"	-

~ Explosion Proof Motor, 50 Hz or 3 phase



EXPLOSION PROOF MOTOR

SPECIFICATIONS

SINGLE PHASE	THREE PHASE	BLADE DIAMETER	RPM	HP (SINGLE PHASE)	VOLTAGE (SINGLE PHASE)	AMPS (FLA) (SINGLE PHASE)	WEIGHT (LBS)	dB(A) @ 5 ft	CFM @ STATIC PRESSURE				FRAMING DIMENSIONS
									0.00"	0.10"	0.125"	0.25"	
SINGLE SPEED - VARIABLE SPEED FANS													
AX12-1V	AX12-1*	12"	1700	1/3	115/230	5.0/2.5	26	63	1650	1560	1525	1400	14" X 14"
AX12-1VHE	-	12"	1450	1/15	115	1.0	22	60	1350	1290	1275	1150	14" X 14"
AX14-1V	AX14-1*	14"	1700	1/3	115/230	5.0/2.5	29	67	2170	2030	1950	1900	16" X 16"
AX14-1VHE	-	14"	1450	1/15	115	1.0	25	64	1600	1525	1500	1300	16" X 16"
AX16-1V	AX16-1*	16"	1700	1/3	115/230	5.0/2.5	30	68	2570	2470	2410	2260	18" X 18"
AX16-1VHE	-	16"	1450	1/15	115	1.0	26	63	1850	1750	1700	1550	18" X 18"
AX18-1V	AX18-1*	18"	1700	1/3	115/230	3.8/1.9	36	71	3150	3000	2900	2575	20" X 20"
AX20-1V	AX20-1*	20"	1700	1/3	115/230	3.8/1.9	39	77	3620	3420	3340	3120	22" X 22"
AX24-1V	--	24"	1100	1/3	115/230	4.4/2.2	43	72	5500	5400	5310	5100	26" X 26"
--	AX24-1*	24"	1700	1/3	--	--	43	77	5520	5410	5330	5130	26" X 26"
SINGLE SPEED FANS													
AX12-2	--	12"	1625	1/4	115	1.8	27	63	1640	1540	1510	1390	14" X 14"
AX14-2	--	14"	1625	1/4	115	1.8	30	67	2170	2070	2030	1860	16" X 16"
AX16-2	--	16"	1625	1/4	115	1.8	31	68	2370	2270	2210	2060	18" X 18"
AX18-2	--	18"	1625	1/3	115	4.0	37	73	3200	3090	3040	2920	20" X 20"
AX20-2	--	20"	1625	1/3	115	4.0	39	77	3420	3220	3170	2920	22" X 22"
AX24-2	--	24"	1100	1/3	115	5.4	45	70	5000	4500	4300	3600	26" X 26"
AX30-2	--	30"	1100	1/3	115/230	4.4/2.2	72	82	8000	7000	6000	5000	33" X 33"
AX36-7	AX36-7M**	36"	850	1/2	115/230	6.6/3.3	88	72	10000	8500	8000	6200	39" X 39"
AX42-7	--	42"	850	1	230	5.5	122	84	14900	13550	13210	10800	45" X 45"
TWO SPEED FANS													
AX08-3	--	8"	1600/1300	1/20	115	1.7	14	48	360/300	270/150	230/110	--	12" X 12"
AX10-3	--	10"	1600/1300	1/20	115	1.7	14	56	690/580	590/460	570/390	--	12" X 12"
AX12-3	--	12"	1725/1140	1/4	115	3.4	27	64	1670/1100	1600/950	1575/900	1450/625	14" X 14"
AX14-3	--	14"	1725/1140	1/4	115	3.4	31	67	2190/1440	2080/1325	2000/1300	1950/850	16" X 16"
AX16-3	--	16"	1725/1140	1/4	115	3.4	34	69	2580/1770	2480/1620	2430/1560	2270/1020	18" X 18"
AX18-3	--	18"	1725/1140	1/3	115	5.3/2.9	38	74	3200/2310	3050/2030	2950/1960	2625/1750	20" X 20"
AX20-3	--	20"	1725/1140	1/3	115	5.3/2.9	41	77	3640/2420	3440/2270	3360/2210	3140/1890	22" X 22"
SINGLE SPEED EXPLOSION PROOF FANS (Explosion Proof Motors are DIVISION 1 - CLASS 1 - GROUP C & D and CLASS 2 - GROUP F & G)													
Class I, Group C - Atmospheres containing ethyl ether, ethylene, gases or vapors of equivalent hazard.													
Class I, Group D - Atmospheres such as acetone, ammonia, benzene, butane, cyclopropane, ethanol, gasoline, hexane, methane, natural gas, naphtha, propane, or gases or vapors of equivalent hazard.													
Class II Group F - Atmospheres containing carbonaceous dust, including carbon black, charcoal, coal, or coke dusts that have more than 8% total entrapped volatiles, or dusts that have been sensitized by other materials so that they present an explosion hazard.													
Class II Group G - Atmospheres containing combustible dusts not included in group E or F, including flour, grain, wood, plastic and chemicals.													
AX12-4	AX12-4*	12"	1725	1/3	115/208-230	6.6/3.1-3.3	49	63	1670	1600	1575	1450	14" X 14"
AX14-4	AX14-4*	14"	1725	1/3	115/208-230	6.6/3.1-3.3	49	67	2190	2080	2000	1950	16" X 16"
AX16-4	AX16-4*	16"	1725	1/3	115/208-230	6.6/3.1-3.3	51	68	2580	2480	2430	2270	18" X 18"
AX18-4	AX18-4*	18"	1725	1/3	115/208-230	6.6/3.1-3.3	56	73	3200	3050	2950	2625	20" X 20"
AX20-4	AX20-4*	20"	1725	1/3	115/208-230	6.6/3.1-3.3	57	77	3640	3440	3360	3140	22" X 22"
AX24-4	AX24-4*	24"	1725	1/3	115/208-230	6.6/3.1-3.3	57	77	5520	5410	5330	5130	26" X 26"

For three phase motors, substitute "*" with "M" for 230/460 volt or "P" for 575 volt

**NOTE: AX36-7M is only available in 208-230/460 volt for three phase applications

Other voltages in single or three phase are available. 50HZ voltages are available. Consult factory.

ACCESSORIES

- Speed controls
- Thermostats
- Front guard
- Weather hoods

For a complete listing on all available accessories, see page 36.

For a complete listing of all available hoods, see page 32.

For all available control options, see page 75-77.

P - PANEL MOUNTED FANS

Designed for Industrial, Commercial & Farming applications.



P SERIES FAN



FEATURES

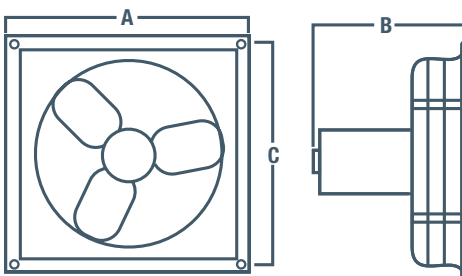
- Sturdily constructed direct drive, horizontal discharge fan.
- Durable powder coated finish.
- 8" - 24" models have heavy wire chrome plated OSHA guards on intake side of fan.
- 30" & 36" models have grey powder coated guards.
- Totally enclosed air over motor with overload protection.



DIMENSIONS

MODEL	A X A SQUARE	B		C c/c
		P	P-4~	
P08	13 1/4"	6 1/2"	-	12"
P10	15 1/4"	6 1/2"	-	14"
P12	17 1/4"	11"	13 3/4"	16"
P14	19 1/4"	11"	13 3/4"	18"
P16	21 1/4"	11"	13 3/4"	20"
P18	23 1/4"	11 1/4"	14"	22"
P20	25 1/4"	11 1/4"	14"	24"
P24	29 1/4"	11"	13 3/4"	28"
P30	35 1/4"	13 1/4"	-	34"
P36	41 1/4"	13 1/2"	-	40"

~ Explosion Proof Motor, 50 Hz or 3 phase



P4 SERIES
EXPLOSION PROOF MOTOR

SPECIFICATIONS

SINGLE PHASE	THREE PHASE	BLADE DIAMETER	RPM	HP (SINGLE PHASE)	VOLTAGE (SINGLE PHASE)	AMPS (FLA) (SINGLE PHASE)	WEIGHT (LBS)	dB(A) @5 ft	CFM @ STATIC PRESSURE			
									0.00"	0.10"	0.125"	0.25"
SINGLE SPEED - VARIABLE SPEED FANS												
P12-1V	P12-1*	12"	1700	1/3	115/230	5.0/2.5	26	63	1650	1560	1525	1400
P12-1VHE	--	12"	1450	1/15	115	1.0	22	60	1350	1290	1275	1150
P14-1V	P14-1*	14"	1700	1/3	115/230	5.0/2.5	29	67	2170	2030	1950	1900
P14-1VHE	--	14"	1450	1/15	115	1.0	25	64	1600	1525	1500	1300
P16-1V	P16-1*	16"	1700	1/3	115/230	5.0/2.5	30	68	2570	2470	2410	2260
P16-1VHE	--	16"	1450	1/15	115	1.0	26	63	1850	1750	1700	1550
P18-1V	P18-1*	18"	1700	1/3	115/230	3.8/1.9	36	71	3150	3000	2900	2575
P20-1V	P20-1*	20"	1700	1/3	115/230	3.8/1.9	39	77	3620	3420	3340	3120
P24-1V	--	24"	1100	1/3	115/230	4.4/2.2	43	72	5500	5400	5310	5100
--	P24-1*	24"	1700	1/3	--	--	57	77	5520	5410	5330	5130
SINGLE SPEED FANS												
P12-2	--	12"	1625	1/4	115	1.8	27	63	1640	1540	1510	1390
P14-2	--	14"	1625	1/4	115	1.8	30	67	2170	2070	2030	1860
P16-2	--	16"	1625	1/4	115	1.8	31	68	2370	2270	2210	2060
P18-2	--	18"	1625	1/3	115	4.0	37	73	3200	3090	3040	2920
P20-2	--	20"	1625	1/3	115	4.0	39	77	3420	3220	3170	2920
P24-2	--	24"	1100	1/3	115	5.4	45	70	5000	4500	4300	3600
P30-2	--	30"	1100	1/3	115/230	4.4/2.2	72	82	8000	7000	6000	5000
P36-7	P36-7M**	36"	850	1/2	115/230	6.6/3.3	88	72	12000	11000	10500	9500
TWO SPEED FANS												
P08-3	--	8"	1600/1300	1/20	115	1.7	11	48	360/300	270/150	230/110	--
P10-3	--	10"	1600/1300	1/20	115	1.7	11	56	690/580	590/460	570/390	--
P12-3	--	12"	1725/1140	1/4	115	3.4	27	64	1670/1100	1600/950	1575/900	1450/625
P14-3	--	14"	1725/1140	1/4	115	3.4	31	67	2190/1440	2080/1325	2000/1300	1950/850
P16-3	--	16"	1725/1140	1/4	115	3.4	34	69	2580/1770	2480/1620	2430/1560	2270/1020
P18-3	--	18"	1725/1140	1/3	115	5.3/2.9	38	74	3200/2310	3050/2030	2950/1960	2625/1750
P20-3	--	20"	1725/1140	1/3	115	5.3/2.9	41	77	3640/2420	3440/2270	3360/2210	3140/1890
SINGLE SPEED EXPLOSION PROOF FANS (Explosion Proof Motors are DIVISION 1 - CLASS 1 - GROUP C & D and CLASS 2 - GROUP F & G)												
Class I, Group C - Atmospheres containing ethyl ether, ethylene, gases or vapors of equivalent hazard. Class I, Group D - Atmospheres such as acetone, ammonia, benzene, butane, cyclopropane, ethanol, gasoline, hexane, methane, natural gas, naphtha, propane, or gases or vapors of equivalent hazard. Class II Group F - Atmospheres containing carbonaceous dust, including carbon black, charcoal, coal, or coke dusts that have more than 8% total entrapped volatiles, or dusts that have been sensitized by other materials so that they present an explosion hazard. Class II Group G - Atmospheres containing combustible dusts not included in group E or F, including flour, grain, wood, plastic and chemicals.												
P12-4	P12-4*	12"	1725	1/3	115/230	6.6/3.1-3.3	49	63	1670	1600	1575	1450
P14-4	P14-4*	14"	1725	1/3	115/230	6.6/3.1-3.3	49	67	2190	2080	2000	1950
P16-4	P16-4*	16"	1725	1/3	115/230	6.6/3.1-3.3	51	68	2580	2480	2430	2270
P18-4	P18-4*	18"	1725	1/3	115/230	6.6/3.1-3.3	56	73	3200	3050	2950	2625
P20-4	P20-4*	20"	1725	1/3	115/230	6.6/3.1-3.3	57	77	3640	3440	3360	3140
P24-4	P24-4*	24"	1725	1/3	115/230	6.6/3.1-3.3	57	77	5520	5410	5330	5130

For three phase motors, substitute "M" with "M" for 230/460 volt or "P" for 575 volt

**NOTE: P36-7M is only available in 208-230/460 volt for three phase applications

Other voltages in single or three phase are available. 50HZ voltages are available. Consult factory.

ACCESSORIES

- Front guards
- Wall sleeve
- Thermostats
- Backdraft dampers
- Weather hoods
- Controls

For a complete listing on all available accessories, see page 36.

For a complete listing of all available hoods, see page 32.

For all available control options, see pages 75-77.

Consult factory to have accessories installed.



P12-1R FAN SHOWN

P - SERIES SUPPLY FANS

Designed for Industrial & Commercial Supply applications.


P12-1RS9M1115
FAN SHOWN COMPLETE WITH SLEEVE AND MOTORIZED DAMPER.

FEATURES

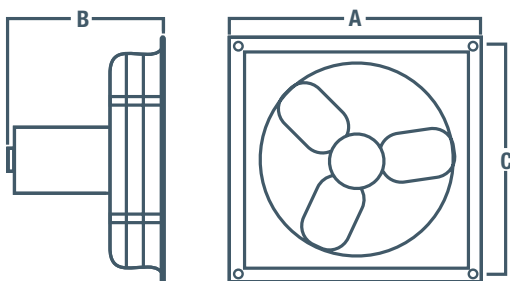
- Fully assembled.
- Sturdily constructed direct drive, horizontal fan.
- Durable powder coated finish.
- Heavy duty OSHA motor mount/guard is standard.
- Totally enclosed air over motor with overload protection.



Non-stock, made-to-order products are non-returnable and cannot be cancelled.

DIMENSIONS

MODEL	A X A SQUARE	B	C c/c
P12-1R	17 1/4"	11"	16"
P14-1R	19 1/4"	11"	18"
P16-1R	21 1/4"	11"	20"
P18-1R	23 1/4"	12"	22"
P20-1R	25 1/4"	12"	24"
P24-1R	29 1/4"	12"	28"



SPECIFICATIONS

MODEL	BLADE DIAMETER	RPM	HP	VOLTAGE	AMPS (FLA)	WEIGHT (LBS)	CFM @ STATIC PRESSURE			
							0.00"	0.10"	0.125"	0.25"
P SERIES SUPPLY FAN										
P12-1R	12"	1700	1/3	115/230	5.0/2.5	26	1450	1400	1370	1260
P14-1R	14"	1700	1/3	115/230	5.0/2.5	29	1950	1825	1750	1700
P16-1R	16"	1700	1/3	115/230	5.0/2.5	30	2310	2200	2150	2030
P18-1R	18"	1700	1/3	115/230	3.8/1.9	36	2835	2700	2600	2315
P20-1R	20"	1700	1/3	115/230	3.8/1.9	39	3250	3075	3000	2800
P24-1R	24"	1100	1/3	115/230	6.4/3.2	43	4040	3928	3848	3520

P SERIES SUPPLY FAN

Complete with 9" sleeve and 120 Volt motorized damper (specs are for fan motor only and not damper motor)
For exhaust models, replace "1R" in the model name with "1V".

P12-1RS9M1115	12"	1700	1/3	115/230	5.0/2.5	45	1450	1400	1370	1260
P14-1RS9M1115	14"	1700	1/3	115/230	5.0/2.5	50	1950	1825	1750	1700
P16-1RS9M1115	16"	1700	1/3	115/230	5.0/2.5	54	2310	2200	2150	2030
P18-1RS9M1115	18"	1700	1/3	115/230	3.8/1.9	60	2835	2700	2600	2315
P20-1RS9M1115	20"	1700	1/3	115/230	3.8/1.9	66	3250	3075	3000	2800
P24-1RS9M1115	24"	1100	1/3	115/230	4.4/2.2	73	4040	3928	3848	3520

ACCESSORIES

- Thermostats
- Front guard
- Weather hoods

For a complete listing on all available accessories, see page 36.
For a complete listing of all available hoods, see page 32.
For all available control options, see pages 75-77.

ACCESSORIES FOR AX & P SERIES FANS

FRONT GUARD FOR AX & P SERIES FANS

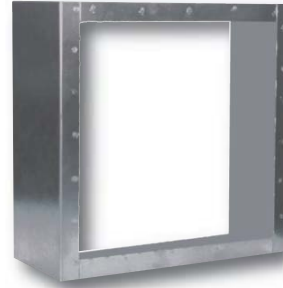
- 18 gauge galvanized 3/4" expanded metal screen, 6" deep.



FITS FAN	FRONT GUARD	WEIGHT (LBS)
8"	XFG8-10	6
10"	XFG8-10	6
12"	XFG12	6
14"	XFG14	8
16"	XFG16	9
18"	XFG18	10
20"	XFG20	10
24"	XFG24	13
30"	XFG30	TBA
36"	XFG36	TBA

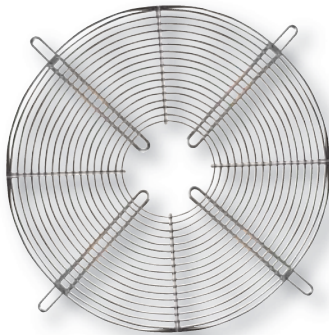
PANEL SLEEVES FOR P SERIES

- Sleeves are 9 1/2" deep.



FITS FAN	SLEEVES	WEIGHT (LBS)
8"	PSL08	14
10"	PSL10	14
12"	PSL12	14
14"	PSL14	14
16"	PSL16	14
18"	PSL18	15
20"	PSL20	19
24"	PSL24	23
30"	PSL30	26
36"	PSL36	30

REPLACEMENT GUARDS



FITS FAN	MODEL #	DESCRIPTION	WEIGHT (LBS)
8"	R-2X115	8" - 10" OSHA motor mount	3
10"	R-2X115	8" - 10" OSHA motor mount	3
12"	R-2X116	12" OSHA motor mount	3
14"	R-2X117	14" - 16" OSHA motor mount	4
16"	R-2X117	14" - 16" OSHA motor mount	4
18"	R-2X118	18" - 20" OSHA motor mount	5
20"	R-2X118	18" - 20" OSHA motor mount	5
24"	R-2X119	24" OSHA motor mount	7
30"	R-2X113	30" OSHA motor mount	8
36"	R-2X114	36" OSHA motor mount	9

MOTORIZED & GRAVITY DAMPERS FOR FRESH AIR INTAKE



MOTORIZED DAMPER

FITS FAN	MODEL #	
	MOTORIZED DAMPERS	BACK DRAFT DAMPERS
8"	SX3210X10	SR3210X10
10"	SX3210X10	SR3210X10
12"	SX3212X12	SR3212X12
14"	SX3214X14	SR3214X14
16"	SX3216X16	SR3216X16
18"	SX3218X18	SR3218X18
20"	SX3220X20	SR3220X20
24"	SX3224X24	SR3224X24
30"	SX3230X30	SR3230X30
36"	SX3236X36	SR3236X36

The Motorized dampers listed above are 110/230V.
For 24V AC, replace X with Z.



BACK DRAFT DAMPER

SD - STANDARD WALL EXHAUST FANS

Efficient, low maintenance and easy to install.

Canarm/LFI's standard fans follow a tradition of quality in design, materials and construction. All our standard fans are developed to be efficient and economically priced. Fans are available in single, two and variable speed models. All variable speed standard fans use an energy efficient variable speed, dual voltage motor and blade combination.

To determine the proper Canarm/LFI fan for your applications, use the following formula.

Number of cubic feet in room / Number of minutes per air change = Required C.F.M. Capacity

EXAMPLE: A general office, (see chart) which requires an air change every ten minutes, would require the following fan capacity.

If office is 100' x 40' x 10' = 40,000 cubic ft; 40,000 cubic ft / 10 minutes per air change = 4000 Required C.F.M.

From the chart, you would select a fan that is rated at 4000 C.F.M. at 1/8" S.P. (Static Pressure)

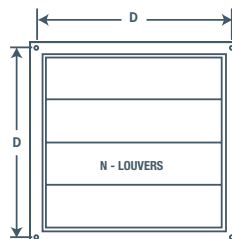
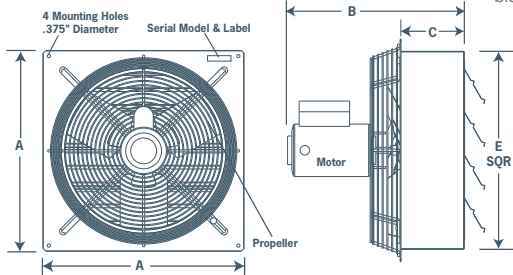
FEATURES

- Available in 8" to 42" sizes.
- Single, two and variable speed models are available.
- All fans use a totally enclosed, thermally protected motor.
- The rugged steel welded box housing has a durable powder coated finish.
- Aluminum louver shutters are supported by long life nylon bushings (30", 36" & 42" have PVC louvers).
- 8" - 24" models have heavy wire chrome plated OSHA guards on intake side of fan. 30", 36" & 42" models have grey powder coated guards.
- All fans are shipped completely assembled.



DIMENSIONS

FAN SIZE	A X A SQUARE	B	C	D (c/e)	E	N
8"	13 1/4"	11"	4"	12"	10 3/4"	2
10"	15 1/4"	11"	4"	14"	12 3/4"	2
12"	17 1/4"	17"	6"	16"	14 3/4"	3
14"	19 1/4"	17"	6"	18"	16 3/4"	3
16"	21 1/4"	17"	6"	20"	18 3/4"	4
18"	23 1/4"	15"	6"	22"	20 3/4"	4
20"	25 1/4"	18"	6"	24"	22 3/4"	5
24"	29 1/4"	18"	6"	28"	26 3/4"	5
30"	35 1/4"	19"	6"	34"	32 3/4"	16
36"	41 1/4"	18"	6"	40"	38 3/4"	20
42"	47 1/4"	18"	6 3/4"	46"	44 3/4"	24



ACCESSORIES

- Grey plastic weather hood
- Galvanized metal hood
- MC type & wet locations controls.

For a complete listing on all available accessories, see page 36.
For a complete listing of all available hoods, see page 32.
For all available control options, see pages 75-77.

Application	Minutes per Air Change	Application	Minutes per Air Change	Application	Minutes per Air Change	Application	Minutes per Air Change
Assembly Hall	7	Church	15	Foundry	4	Pressing Room	1
Attic	2	Classroom	6	Garage	5	Projection Booth	2
Auditorium	10	Dance Hall	5	General Office	10	Summer Cooling	1
Barber Shop	6	Department Store	6	Gymnasium	8	Toilet	3
Basement	8	Dry Cleaning	5	Laundry	2	Transformer Room	1
Battery Room	4	Engine Room	6	Locker Room	3	Warehouse	12
Boiler Room	1	Factory	6	Machine Shop	8	Welding Shop	2
Bowling Alley	5	Forge Room	3	Plating Room	3		

SPECIFICATIONS

MODEL	SPEED	BLADE DIAMETER	RPM	HP	VOLTAGE	AMPS (FLA)	WEIGHT (LBS)	dB(A) @ 5 ft	CFM @ STATIC PRESSURE				FRAMING DIMENSIONS
									0.00"	0.10"	0.125"	0.25"	
S8-B2	Two	8"	1600/1300	1/20	115	1.7	12	48	360/300	270/150	230/110	0	11" X 11"
S10-B2	Two	10"	1600/1300	1/20	115	1.7	13	56	690/580	590/460	570/390	0	13" X 13"
S12-E1	Single	12"	1625	1/4	115	1.8	28	63	1640	1540	1510	1390	15" X 15"
S12-E2	Two	12"	1725/1140	1/4	115	3.4	32	64	1650/1090	1550/950	1520/930	1390/0	15" X 15"
S12-EVD	Variable	12"	1700	1/3	115/230	5.0/2.5	32	60	1650	1540	1510	1390	15" X 15"
S14-E1	Single	14"	1625	1/4	115	1.8	30	67	2170	2070	2030	1860	17" X 17"
S14-E2	Two	14"	1725/1140	1/4	115	3.4	34	65	2180/1350	2080/1190	2060/1160	1890/0	17" X 17"
S16-E1	Single	16"	1625	1/4	115	1.8	33	68	2370	2270	2210	2060	19" X 19"
S16-E2	Two	16"	1725/1140	1/4	115	3.4	36	69	2380/1640	2280/1490	2230/1430	2070/0	19" X 19"
S16-EVD	Variable	16"	1700	1/3	115/230	5.0/2.5	36	63	2370	2270	2210	2063	19" X 19"
S18-F1	Single	18"	1625	1/3	115	4.0	37	73	3200	3090	3040	2920	21" X 21"
S18-F2	Two	18"	1725/1140	1/3	115	5.3/2.9	43	74	3200/2100	3090/1890	3040/1820	2920/0	21" X 21"
S18-FVD	Variable	18"	1700	1/3	115/230	3.8/1.9	45	74	3150	3050	2980	2860	21" X 21"
S20-F1	Single	20"	1625	1/3	115	4.0	41	77	3420	3220	3170	2920	23" X 23"
S20-F2	Two	20"	1725/1140	1/3	115	5.3/2.9	45	77	3440/2300	3240/2000	3180/1950	2930/0	23" X 23"
SD24-F1	Single	24"	1100	1/3	115	5.4	46	70	5000	4500	4300	3600	27" X 27"
SD24-GVD	Variable	24"	1100	1/3	115/230	4.4/2.2	56	72	5050	4910	4810	4400	27" X 27"
SD30-G1D	Single	30"	1100	1/3	115/230	4.4/2.2	72	82	8000	7000	6000	5000	33" X 33"
SD36-G1D	Single	36"	850	1/2	115/230	6.6/3.3	88	72	10000	8500	8000	6200	39" X 39"
SD42-H1D	Single	42"	850	1	230	5.5	122	83	14900	13550	13210	10800	45" X 45"

NOTE: RPM Min (Minimum) is determined when louvers are opened one inch.

Note: Wind has a significant effect on exhaust fans. A 10 mph wind creates a 0.05" pressure against the fan. A 20 mph wind creates 0.20" pressure and 30 mph a 0.45" pressure. These pressures are in addition to the static pressure in the building. Wind blocks or hoods should be included in all designs where fans will be subjected to winds above 10 mph.



30", 36" & 42" MODELS WITH PVC LOUVERS

BACK VIEW



FRONT VIEW

XFS SERIES EXHAUST SHUTTER FANS

For use in garages, sheds, workshops and more!

Canarm's **XFS series** wall exhaust fans are ideal for commercial applications. They feature smooth, quiet, reliable, maintenance free operation. Available in 12" to 24" sizes - fans are 2 or 3 speeds with OFF and come complete with a 9' cord and grounded plug. The fans have a durable steel construction with powder coat black finish and quiet, aluminum shutters with tie bar to maximize airflow. Installation is easy - simply mount the fan with 4 screws, plug it in and turn it on!



FEATURES

- Smooth, quiet, reliable, maintenance free operation.
- Available in 12" to 24" sizes.
- 12" and 16" models are 3 speed
- 20" and 24" models are 2 speed.
- Durable steel construction with powder coat black finish.
- Swept back, high efficiency, low noise blade design.
- Quiet, aluminum shutters with tie bar to maximize airflow.
- Strong powder coated OSHA guarding inside.
- ETL certified
- Euro design outside rotor motor for higher efficiency.
 - Totally enclosed with sealed ball bearings
 - Pull chain speed control
 - 9 foot cord with 115 volt, 3-prong plug
- Fans shipped totally assembled.

SPECIFICATIONS

MODEL	FAN SIZE	MOTOR HP	SPEED	VOLTS	NET WEIGHT	FAN RPM	CFM	HIGH SPEED SOUND LEVEL dB(A)	MAX AMPS	MAX AMBIENT TEMP
XFS12	12"	1/12	3	115	19 lbs	1600/1420/1150	1100/900/800	58	0.8 / 0.8 / 0.7	90°C/194°F
XFS16	16"	1/8	3	115	27 lbs	1630/1450/1330	2300/2000/1800	58	2.0 / 1.8 / 1.6	74°C/158°F
XFS20	20"	1/4	2	115	40 lbs	1140/1050	3300/2900	68	2.3 / 2.0	70°C/158°F
XFS24	24"	1/2	2	115	56 lbs	1140/1070	4700/3800	72	5.0 / 4.3	70°C/158°F



Tie bar aluminum shutters

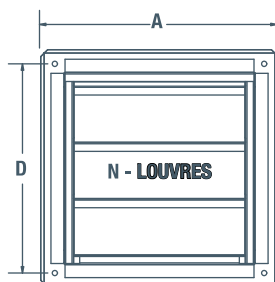
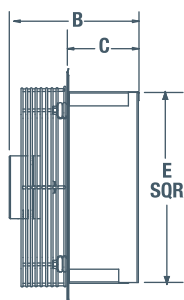


Pull chain switch

DIMENSIONS

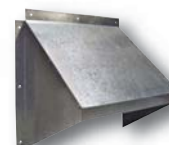
Note: Dimensions subject to change

MODEL	A X A SQUARE	B	C	D (c/c)	E SQR	N (# OF LOUVRES)	FRAMING	CARTON DIMENSIONS		
								Length	Height	Width
XFS12	16 7/8"	8 3/8"	5"	14 7/8"	13 1/2"	3	14" x 14"	17 3/8"	17 3/8"	9 7/8"
XFS16	20 7/8"	9 1/2"	5"	18 7/8"	17 1/2"	4	18" x 18"	21 3/8"	21 3/8"	9 7/8"
XFS20	24 7/8"	9 1/2"	5"	22 7/8"	21 1/2"	5	22" x 22"	25 1/4"	25 1/4"	10 1/4"
XFS24	28 7/8"	11 1/8"	5"	26 7/8"	25 1/2"	6	26" x 26"	29 1/8"	29 1/8"	11 1/2"



ACCESSORIES

Optional galvanized weather hood.



OPTIONAL WEATHER HOOD	
FAN SIZES	HOOD #
12"	GH-XF12
16"	GH-XF16
20"	GH-XF20
24"	GH-XF24

XFS SERIES EXHAUST SHUTTER FANS

To determine the proper XFS Fan for your applications, use the following formula.

Number of cubic feet in room / Number of minutes per air change = Required CFM Capacity

EXAMPLE: A general office, (see chart) which requires an air change every ten minutes, would require the following fan capacity.

If office is 100' x 40' x 10' = 40,000 cubic ft; 40,000 cubic ft / 10 minutes per air change = 4000 Required CFM

From the chart, you would select a fan that is rated at 4000 CFM at 1/8" S.P. (Static Pressure)

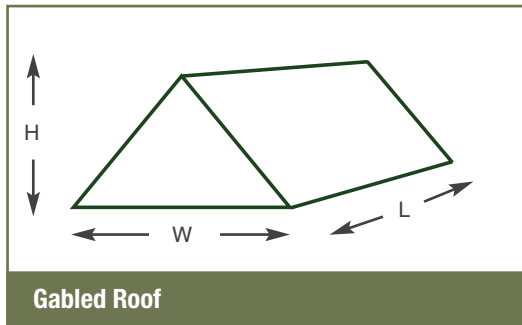


Application	Minutes per Air Change	Application	Minutes per Air Change	Application	Minutes per Air Change	Application	Minutes per Air Change
Assembly Hall	7	Church	15	Foundry	4	Pressing Room	1
Attic	2	Classroom	6	Garage	5	Projection Booth	2
Auditorium	10	Dance Hall	5	General Office	10	Summer Cooling	1
Barber Shop	6	Department Store	6	Gymnasium	8	Toilet	3
Basement	8	Dry Cleaning	5	Laundry	2	Transformer Room	1
Battery Room	4	Engine Room	6	Locker Room	3	Warehouse	12
Boiler Room	1	Factory	6	Machine Shop	8	Welding Shop	2
Bowling Alley	5	Forge Room	3	Plating Room	3		

ATTIC VENTILATION

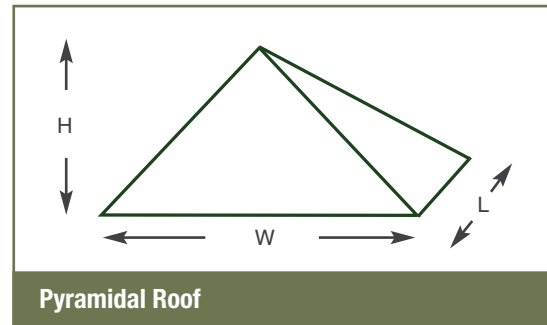
CAUTION!

Attic temperatures can get very high and exceed the high temperature protection device, shutting down the fan if there is not enough air change to keep the attic at a temperature below 120 °F.



Gabled Roof

$$\text{Volume} = L \times W \times 1/2 H$$



Pyramidal Roof

$$\text{Volume} = L \times W \times 1/3 H$$

Recommended air changes in an attic are about 2-3 minutes per air charge (MIN/AC) to keep the temperatures down. (2 minutes in southern climates and 3 minutes in northern climates.)

$$\text{Using 2 minutes, required exhaust CFM} = \frac{\text{Total Volume}}{2 \text{ MIN/AC}}$$

This provides your required CFM of the exhaust fan, BUT there must be enough venting to supply fresh air to the attic space. A good rule of thumb is 1.5 ft² for every 1000 CFM of airflow.

Example:

$$\text{Texas} \quad \frac{6000 \text{ ft}^3}{2} = 3000 \text{ CFM}$$

Use XFS20

$$\text{Texas inlet opening} = 3000 \times \frac{1.5}{1000} = 4.5 \text{ ft}^2$$

$$\text{Minnesota} \quad \frac{6000 \text{ ft}^3}{3} = 2000 \text{ CFM}$$

Use XFS16

$$\text{Minnesota inlet opening} = 2000 \times \frac{1.5}{1000} = 3 \text{ ft}^2$$

UTILITY EXHAUST FANS

Ideal for garage exhaust, residential greenhouses, workshops and any other larger residential rooms requiring an exhaust fan.



FRONT VIEW

UF10-G

The UF10-G has a robust appearance. It comes in a grey finish and with a 10' black cord and grounded plug.



BACK VIEW

FEATURES

- 10" utility fan
- Grey and black finish
- Single speed
- 14" chrome on/off pull chain
- Shipped completely assembled
- 120 volt, 10' black cord & SJT plug with ground
- The UF10-G changes the air in a 10' (3m) x 10' (3m) room every 2.5 minutes provided an adequate air inlet is available.

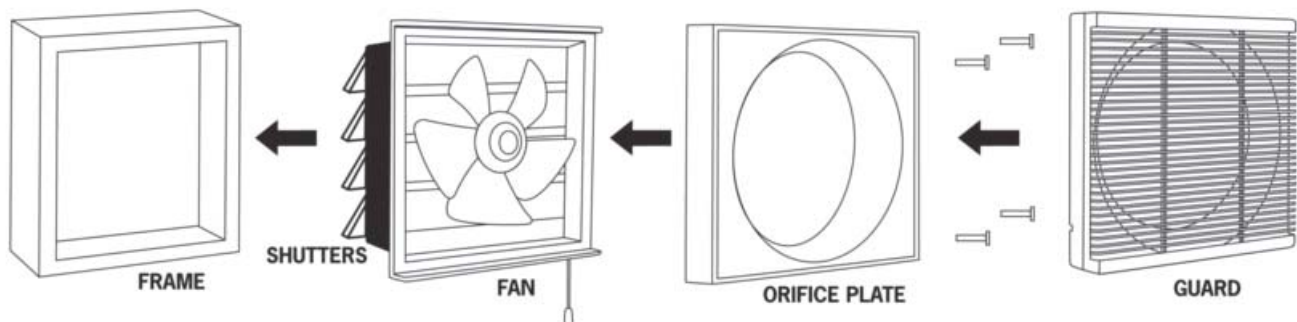
PERFORMANCE SPECIFICATIONS

MODEL	FAN SIZE	SPEED	CFM	AMPS (FLA)	VOLTS	WATTS	DIMENSIONS (mm)		WEIGHT (LBS)
							FRAMING	CARTON	
UF10-G	10"	Single	350	0.36	120	40	295 x 295	389 x 206 x 389	7

INSTALLATION

For the greatest efficiency, mount the fan as high as possible.

Installation is fast and simple. The fan comes fully assembled. A sturdy 295 mm x 295 mm framed wall opening should be prepared in advance. Carefully pull the guard off of the fan unit. Carefully pull the orifice plate off of the fan unit. Insert the fan unit into the frame. Using wood screws for wooden frames or nut, bolt and lock washers for steel frames, secure the fan using the mounting holes provided. The shutters should be situated to close by gravity (The shutters will open up and out when the fan is running and will close by gravity when the fan is stopped). Carefully replace the orifice plate and then the guard (these should snap back into place). Plug the fan into a 120 volt household outlet. Use the pull chain to turn the fan on and off.



EXPLOSION PROOF STANDARD WALL EXHAUST FANS

Efficient, low maintenance and easy to install.

Canarm LFI's explosion proof fans follow a tradition of quality in design, materials and construction. Using our quality "Standard Fan" housing and motor mount as the basis for design, we have developed an efficient, economically priced Explosion Proof Fan. All Explosion Proof Fans have a single speed, dual voltage explosion proof motor that meets and conforms to all the standards that are listed below.

CLASS I, GROUP C Atmospheres containing ethyl ether, ethylene, gases or vapors of equivalent hazard.

CLASS I, GROUP D Atmospheres such as acetone, ammonia, benzene, butane, cyclopropane, ethanol, gasoline, hexane, methane, natural gas, naphtha, propane, or gasses or vapors of equivalent hazard.

CLASS II GROUP F Atmospheres containing carbonaceous dust, including carbon black, charcoal, coal, or coke dusts that have more than 8% total entrapped volatiles, or dusts that have been sensitized by other materials so that they present an explosion hazard.

CLASS II GROUP G Atmospheres containing combustible dusts not included in group E or F, including flour, grain, wood, plastic and chemicals.

FRONT VIEW

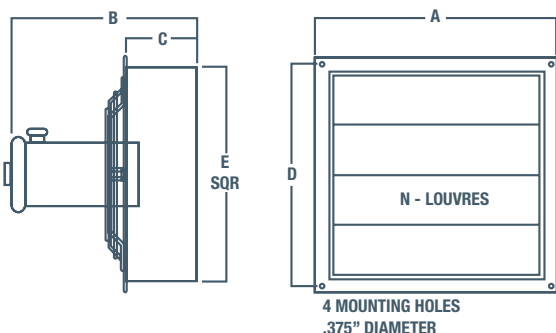


FEATURES

- Totally enclosed, ball bearing motor with thermal overload protection.
- The fan blades are well-balanced, heavy gauge aluminum.
- The rugged steel welded box housing has a durable powder coated finish.
- Aluminum louver shutters are supported by long life nylon bushings.
- Heavy wire chrome plated OSHA guards on intake side of fan.
- All fans are shipped completely assembled.

DIMENSIONS

FAN SIZE	A X A SQUARE	B	C	D c/c	E	N
8"	13 1/4"	17 1/2"	4"	12"	10 3/4"	2
10"	15 1/4"	17 1/2"	4"	14"	12 3/4"	2
12"	17 1/4"	20 1/2"	6"	16"	14 3/4"	3
18"	23 1/4"	20 1/2"	6"	22"	20 3/4"	4
24"	29 1/4"	20 1/2"	6"	28"	26 3/4"	5



SPECIFICATIONS

MODEL	FAN SIZE	HP	VOLTS	AMPS	SPEED	RPM	AIRFLOW CAPACITY - CFM				FRAMING DIMENSIONS	WEIGHT (LBS)
							0" SP	.05" SP	.10" SP	.25" SP		
SD08-XPF	8"	1/3	115/230	6.6/3.3	Single	1625	320	280	240	-	11" X 11"	38
SD10-XPF	10"	1/3	115/230	6.6/3.3	Single	1625	620	575	530	-	13" X 13"	39
SD12-XPF	12"	1/3	115/230	6.6/3.3	Single	1625	1,640	1,600	1,540	1,390	15" X 15"	42
SD18-XPF	18"	1/3	115/230	6.6/3.3	Single	1625	3,200	3,150	3,090	2,920	21" X 21"	60
SD24-XPF	24"	1/3	115/230	6.6/3.3	Single	1625	5,500	5,400	5,310	5,100	27" X 27"	72

NOTE: RPM Min (Minimum) is determined when louvers are opened one inch.

Note: Wind has a significant effect on exhaust fans. A 10 mph wind creates a 0.05" pressure against the fan. A 20 mph wind creates 0.20" pressure and 30 mph a 0.45" pressure. These pressures are in addition to the static pressure in the building. Wind blocks or hoods should be included in all designs where fans will be subjected to winds above 10 mph.

ACCESSORIES

- Hoods

For a complete listing of all available hoods, see page 32 in Wall Mount Ventilation section.



BACK VIEW



PW SERIES

Direct Drive Pressure Blower

For high static applications.
Ideal for moving non-abrasive particles such as dust or fume exhaust.

FEATURES

- Wheels are constructed of heavy cast aluminum with straight radial blades.
- Wheels are self cleaning, dynamically balanced and designed for efficient operations.
- Welded 16 gauge steel housings and motor bases.
- TEFC motors are standard.
- Comes as clockwise rotation, bottom horizontal discharge (can be rotated at 45°+ increments).

PERFORMANCE SPECIFICATIONS

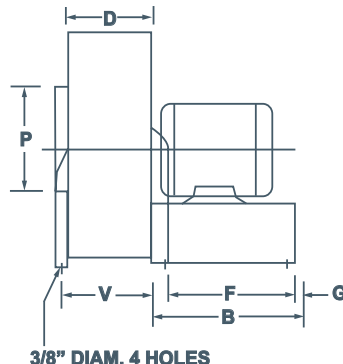
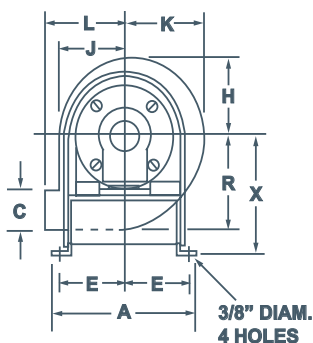
MODEL			H.P.	MOTOR FRAME	RPM	CFM @ STATIC PRESSURE																dBA @ 5 FT
SINGLE PHASE	THREE PHASE 208/230/460	THREE PHASE 575				1/4"	1/2"	1"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	5"	6"	7"	8"	9"	10"	11"	
PW-8S	PW-8M	PW-8P	1/3	56	3600	283	274	256	237	216	192	165	129	70	--	--	--	--	--	--	--	74
PW-9S	PW-9M	PW-9P	3/4	56	3600	475	465	445	423	399	374	346	316	282	195	--	--	--	--	--	--	77
PW-11S	PW-11M	PW-11P	1.5	56	3600	786	772	746	719	692	664	635	606	575	508	431	329	--	--	--	--	84
PW-12S	PW-12M	PW-12P	3	182T	3600	1185	1171	1145	1117	1090	1062	1033	1004	974	911	842	765	672	549	--	--	90
PW-14S	PW-14M	PW-14P	5	182T	3600	--	--	--	--	--	--	--	--	--	1685	1587	1482	1367	1236	1081	874	474
PW-14S-7.5**	PW-14M-7.5**	PW-14P-7.5**	7.5	213	3600	2100	2070	2037	1995	1952	1909	1866	1822	1777	1685	1587	1482	1367	1236	1081	874	474
MODEL PW: EXPLOSION PROOF DIRECT DRIVE PRESSURE BLOWERS																						
PW-8SX	PW-8MX	--	1/3	56	3600	283	274	256	237	216	192	165	129	70	--	--	--	--	--	--	--	74
PW-9SX	PW-9MX	--	3/4	56	3600	475	465	445	423	399	374	346	316	282	195	--	--	--	--	--	--	77
PW-11SX	--	--	1.5	56	3600	786	772	746	719	692	664	635	606	575	508	431	329	--	--	--	--	84
--	PW-11MX**	PW-12PX**	1.5	143T	3600	786	772	746	719	692	664	635	606	575	508	431	329	--	--	--	--	84
PW-12SX	PW-12MX	PW-12PX	3	182T	3600	1185	1171	1145	1117	1090	1062	1033	1004	974	911	842	765	672	549	--	--	90
PW-14SX	PW-14MX	PW-14PX	5	182T	3600	--	--	--	--	--	--	--	--	--	1685	1587	1482	1367	1236	1081	874	474
PW-14SX-7.5**	PW-14MX-7.5**	PW-14PX-7.5**	7.5	213	3600	2100	2070	2037	1995	1952	1909	1866	1822	1777	1685	1587	1482	1367	1236	1081	874	474

* Fan should not be run at static pressure less than shown in above table, motor overload will result.
dBA ratings shown are measured at 0" static pressure, and should be used as a guideline only.

** Special order models.

DIMENSIONS

BLOWER	WHEEL	A	B	C	D	E	F	G	H	J	K	L	P	R	X	V
PW-8	7 3/4" x 2 1/4"	11"	8"	3"	3"	5"	7"	1/2"	5 3/8"	4 7/8"	5 7/8"	5 7/8"	4"	6 5/8"	9"	--
PW-9	9" x 2 3/4"	12 1/8"	8"	3 1/2"	3 1/2"	5 5/8"	7"	1/2"	6 3/8"	5 3/4"	6 7/8"	6 3/4"	5"	7 1/2"	9 7/8"	--
PW-11	10 5/8" x 3"	14 3/4"	9"	4"	3 1/2"	6 7/8"	7 1/2"	3/4"	7 1/4"	6 1/2"	8"	7 5/8"	6"	8 5/8"	11 3/4"	--
PW-12	12 1/2" x 3"	17"	8"	5"	4"	8"	6 1/2"	3/4"	8 1/4"	7 1/2"	9"	9 5/8"	7"	10"	10 5/8"	--
PW-14	13 1/2" x 4 3/8"	17 5/8"	11 1/4"	7 1/8"	5 3/4"	8"	9 3/4"	1"	10 1/2"	9 5/8"	11 3/8"	11"	8"	11 1/2"	12 5/8"	7 1/4"



RELATED PRODUCTS



KE SERIES
Direct Drive Radial Blade
Blowers



D SERIES
Direct Drive Forward Curved
Blowers



KE SERIES

Direct Drive Radial Blade Blower

For high static applications or greenhouse inflation or exhaust.
Ideal for environments where air is laden with dust, grit or any other lightweight foreign material.

FEATURES

- Wheels are constructed of heavy cast aluminum with straight radial blades.
- Wheels are self cleaning, dynamically balanced and designed for efficient operations.
- Welded 16 gauge steel housings and motor bases.
- TEFC motors are standard.
- Comes as clockwise rotation, bottom horizontal discharge (can be rotated at 45° increments).

PERFORMANCE SPECIFICATIONS

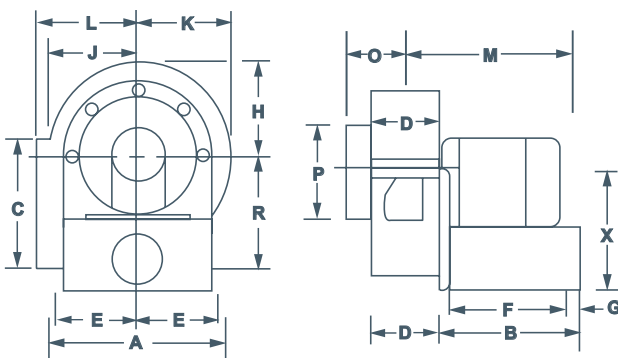
MODEL			H.P.	MOTOR FRAME	RPM	CFM @ STATIC PRESSURE													dBA @ 5 FT
SINGLE PHASE	THREE PHASE 208/230/460	THREE PHASE 575				0"	1/8"	1/4"	3/8"	1/2"	5/8"	3/4"	1"	1 1/4"	1 1/2"	1 3/4"	2"	2 1/4"	
KE-08S	KE-08M	KE-08P	1/3	56	1750	550	510	470	425	365	275	150	--	--	--	--	--	--	64
KE-09S	KE-09M	KE-09P	1/3	56	1750	880	825	765	705	635	565	480	200	--	--	--	--	--	69
KE-11S	KE-11M	KE-11P	1/2	56	1750	1430	1380	1335	1275	1165	1100	945	730	430	--	--	--	--	75
KE-12S	KE-12M	KE-12P	1	56	1750	2375	2300	2220	2140	2060	1975	1890	1700	1485	1185	750	350	--	79
KE-14S	KE-14M	KE-14P	2	145T	1750	3420	3325	3230	3125	3025	2925	2820	2595	2350	2045	1620	1010	640	81
MODEL KE: EXPLOSION PROOF DIRECT DRIVE RADIAL BLADE BLOWERS																			
KE-08SX	KE-08MX	KE-08PX	1/3	56	1750	550	510	470	425	365	275	150	--	--	--	--	--	--	64
KE-09SX	KE-09MX	KE-09PX	1/3	56	1750	880	825	765	705	635	565	480	200	--	--	--	--	--	69
KE-11SX	KE-11MX	KE-11PX	1/2	56	1750	1430	1380	1335	1275	1165	1100	945	730	430	--	--	--	--	75
KE-12SX	KE-12MX	KE-12PX	1	56	1750	2375	2300	2220	2140	2060	1975	1890	1700	1485	1185	750	350	--	79
KE-14SX	KE-14MX	KE-14PX	2	145T	1750	3420	3325	3230	3125	3025	2925	2820	2595	2350	2045	1620	1010	640	81

dBA ratings shown are measured at 0" static pressure, and should be used as a guideline only.

DIMENSIONS

BLOWER	WHEEL	A	B	C	D	E	F	G	H	J	K	L	M*	O	P	R	X
KE-08	7 3/4" x 4"	11"	8"	8 1/4"	5 3/8"	5"	7"	1/2"	6"	4 5/8"	6 3/4"	6 7/8"	10 3/4"	3 3/4"	8"	8"	8 1/2"
KE-09	9" x 5"	12 1/8"	8"	10 3/4"	6 1/2"	5 5/8"	7"	1/2"	6 3/4"	5 5/8"	7 3/4"	7 1/8"	11 3/4"	4 5/16"	9"	9 1/4"	9 7/8"
KE-11	10 7/8" x 5 5/8"	14 3/4"	9"	11 3/4"	8"	6 7/8"	7 1/2"	3/4"	8"	6 3/4"	9 1/8"	8 1/8"	13 1/4"	5 1/16"	10"	10 3/4"	11 3/4"
KE-12	12 1/2" x 7 1/2"	16 3/8"	10 1/2"	13 1/4"	9 5/8"	7 3/8"	8 3/4"	1"	10 1/8"	8 1/2"	11 1/2"	10 1/2"	15 3/16"	6 3/8"	13 1/4"	13 1/4"	17"
KE-14	13 1/2" x 8 1/8"	17 5/8"	10 1/2"	14 5/8"	10 3/4"	8"	8 3/4"	1"	11 1/8"	9 3/8"	12 5/8"	11 3/8"	16 7/8"	7"	14 1/2"	14 5/8"	17"

* Dimensions may vary depending on type of motor used.



Clockwise rotation, bottom horizontal discharge shown.

Mounting holes are 3/8" diameter on all models up to KE-11 and 9/16" on the KE-12 and KE-14.

RELATED PRODUCTS



PW SERIES
Direct Drive Pressure Blowers



D SERIES
Direct Drive Forward Curved Blowers



D SERIES

Direct Drive Forward Curved Blower

For low static environments.
Ideal for light duty exhaust applications.

FEATURES

- Wheels are forward curved steel, dynamically balanced and designed for efficient operation.
- Welded 16 gauge steel housings and motor bases.
- TEFC motors are standard.
- Comes as clockwise rotation, bottom horizontal discharge (can be rotated at 45° increments).

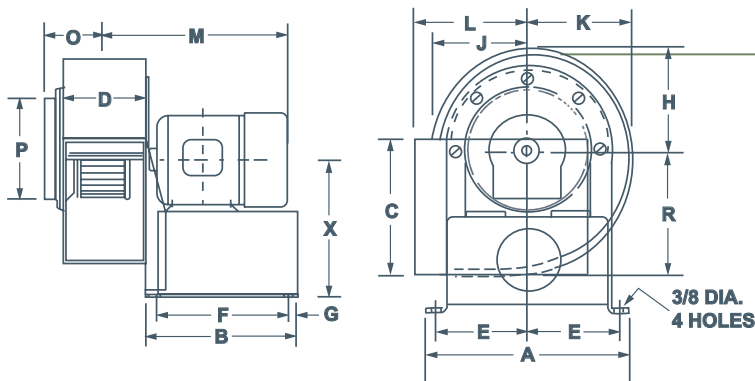
PERFORMANCE SPECIFICATIONS

MODEL			H.P.	RPM	CFM @ STATIC PRESSURE													dBA @ 5 FT
SINGLE PHASE	THREE PHASE 208/230/460	THREE PHASE 575			0"	1/8"	1/4"	3/8"	1/2"	5/8"	3/4"	1"	1 1/4"	1 1/2"	1 3/4"	2"	2 1/4"	
D6AAS	D6AAM	D6AAP	1/3	1140	330	250	100	--	--	--	--	--	--	--	--	--	51	
D6ABS	D6ABM	D6ABP	1/3	1750	560	515	470	420	300	300	--	--	--	--	--	--	53	
D8AS	D8AM	D8AP	1/3	1140	680	620	535	430	--	--	--	--	--	--	--	--	55	
D8CS	D8CM	D8CP	1/3	1750	1085	1050	1005	960	865	865	750	580	--	--	--	--	57	
D9CS	D9CM	D9CP	1/3	1140	1160	1125	1090	1035	855	855	--	--	--	--	--	--	56	
D9FS	D9FM	D9FP	1	1750	--	--	--	1720	1675	1675	1620	1550	1445	1290	1100	--	58	
D11ES	D11EM	D11EP	3/4	1140	1970	1870	1800	1710	1500	1500	1290	1020	--	--	--	--	61	
D11GS	D11GM	D11GP	1 1/2	1750	--	--	--	--	--	--	--	--	1840	1730	1600	1450	1280	63

* Fan should not be run at static pressure less than shown in above table, motor overload will result.
dBA ratings shown are measured at 0" static pressure, and should be used as a guideline only.

DIMENSIONS

BLOWER	WHEEL	BORE	A	B	C	D	E	F	G	H	J	K	L	M*	O	P	R	X	WEIGHT (LBS) (LESS MOTOR)
D6AA	6 1/4" X 3"	5/8"	9 3/8"	8"	7 3/8"	4 1/4"	4 1/4"	7"	1/2"	5"	4"	6"	5"	11 5/8"	3 1/8"	6"	7 1/8"	9"	13
D6AB	6 1/4" X 3"	5/8"	9 3/8"	8"	7 3/8"	4 1/4"	4 1/4"	7"	1/2"	5"	4"	6"	5"	11 5/8"	3 1/8"	6"	7 1/8"	9"	13
D8A	7 3/4" X 3 7/8"	5/8"	11"	8"	8 1/4"	5 3/8"	5"	7"	1/2"	6"	4 5/8"	6 3/4"	6 7/8"	12 1/2"	3 3/4"	8"	8"	9"	18
D8C	7 3/4" X 3 7/8"	5/8"	11"	8"	8 1/4"	5 3/8"	5"	7"	1/2"	6"	4 5/8"	6 3/4"	6 7/8"	12 1/2"	3 3/4"	8"	8"	9"	18
D9C	9" X 4 1/2"	5/8"	12 1/8"	8"	10 3/4"	6 1/2"	5 5/8"	7"	1/2"	6 3/4"	5 5/8"	7 3/4"	7 1/8"	13"	4 3/8"	9"	9 1/4"	9 7/8"	25
D9F	9" X 4 1/2"	5/8"	12 1/8"	8"	10 3/4"	6 1/2"	5 5/8"	7"	1/2"	6 3/4"	5 5/8"	7 3/4"	7 1/8"	14 1/4"	4 3/8"	9"	9 1/4"	9 7/8"	25
D11E	10 5/8" X 5 1/4"	5/8"	14 3/4"	11 1/2"	11 3/4"	8"	6 7/8"	10"	3/4"	8"	6 3/4"	9 1/8"	8 1/8"	15 1/2"	5"	10"	10 3/4"	11 1/4"	36
D11G	10 5/8" X 4"	5/8"	14 3/4"	11 1/2"	11 3/4"	5 7/8"	6 7/8"	10"	3/4"	8"	6 3/4"	9 1/8"	8 1/8"	14 5/8"	4"	10"	10 3/4"	11 1/4"	36



RELATED PRODUCTS



PW SERIES
Direct Drive Pressure
Blowers



KE SERIES
Direct Drive Radial Blade
Blowers

D500 SERIES

Direct Drive Utility Blowers



D503



D504



D506 & D530



D507

FEATURES

- Designed for easy installations in common applications requiring moderate air quantities (up to 650 CFM) in low static systems (up to .75" W.G.).
- Available in CCW rotation only (as viewed from motor side).
- Use WM-13M solid state motor speed control to reduce CFM on Models D503 to D506.
- Use 3 speed selector for Low, Medium & High speed on D507.
- Ideal for applications where low noise levels are a "must" since the motor is out of the air stream and the blower can be remotely located.

PERFORMANCE SPECIFICATIONS

TYPICAL MAXIMUM CFM @ SP						
MODEL	1/8" SP	1/4" SP	3/8"	1/2"	5/8"	3/4"
D503	65	60	60	--	--	--
D504	120	100	--	--	--	--
D530	230	210	190	160	--	--
D506	375	355	335	315	280	240
D507 - LOW	410	375	340	315	225	--
D507 - MED	495	460	390	355	300	--
D507 - HIGH	640	570	470	405	350	--

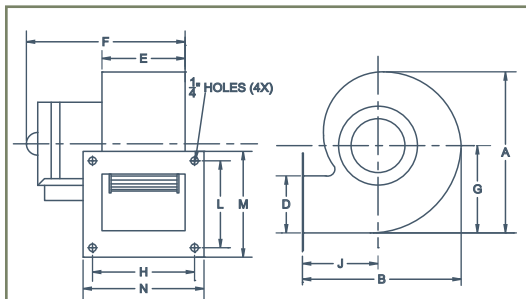
FOR FAN CURVES & FULL PERFORMANCE DATA, CONSULT OUR DELAIR SOFTWARE.

DOWNLOAD DELAIR @ WWW.CANARM.COM/DELAIR

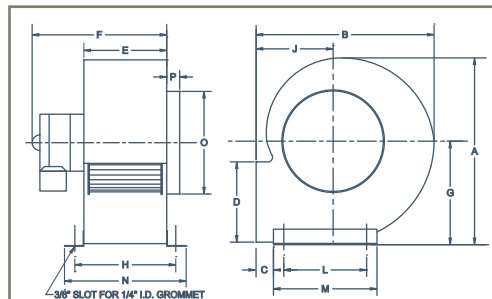
MODEL FEATURES

FEATURES	D503	D504	D530	D506	D507
120V, 60 Hz CSA approved single speed shaded pole motor, continuous duty, suitable for use with WM-13 speed controller.	●	●	●	●	
120V, 60 Hz CSA approved 3 speed resilient mount PSC BALL BEARING motor.					●
Prelubricated bearings - no further lubrication required.	●	●	●	●	●
Built in automatic reset thermal protector.	●	●	●	●	●
Mount in horizontal or vertical position.	●	●	●	●	
Rotate housing on base for any of 8 discharge positions, keeping shaft horizontal.					●
Conduit wiring box.	●	●	●	●	●
Inlet screen standard.	●				
Duct collar inlet.			●	●	●
Flanged outlet.	●	●			
Quiet operating forwardly curved zinc coated blower wheel.	●	●	●	●	●
Base slotted for 4 rubber blower feet.			●	●	●
Rugged steel blower housings with baked green enamel finish.	●	●	●	●	●
Motor side access plate for motor and wheel servicing removal.	●	●	●	●	

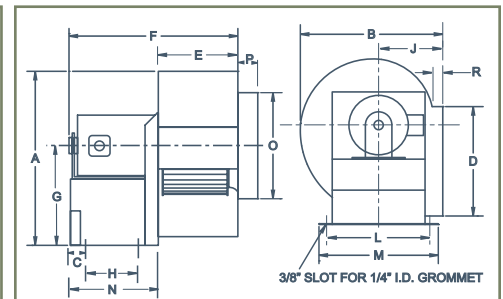
DIMENSIONS



D503 & D504



D506 & D530



D507

MODEL	MOTOR RPM	A	B	D	E	F	H	L	M	N	O	UNIT WEIGHT (without motor & drives)
D503	3000	6 1/8"	5 1/4"	1 7/8"	2 3/4"	5 1/4"	3 3/8"	2 7/8"	3 1/2"	4"	--	3 lbs
D504	1300	8 3/8"	7 1/8"	2 3/4"	3 3/4"	6"	4 3/4"	3 3/4"	4 1/4"	5 1/4"	--	4 lbs
D530	1550	9 3/4"	9 1/8"	3 7/8"	4"	8 1/4"	4 7/8"	5"	6"	5 7/8"	4 7/8"	8 lbs
D506	1520	10 5/8"	9 3/4"	3 3/4"	5 1/4"	11 1/8"	6 1/8"	5"	6"	7 1/8"	5 7/8"	13 lbs
D507	1050	13 1/8"	12 1/4"	8 1/4"	6"	14"	5"	8"	9"	6 5/8"	7 7/8"	24 lbs

OPTIONS

MOTOR SPEED CONTROL

MODELS D503, D504, D530, D506 - Use a # WM-13M (Part # 8890016) solid state control to lower the motor speed and reduce the air flow up to the % of full capacity listed: **D503 - 30%; D530 - 45%; D504 - 45%; D506 - 55%**
MODELS D507 - Use a 3 speed switch to select High (1050 RPM), Medium (850 RPM) or Low (740 RPM) operation.

U SERIES PORTABLE UTILITY FAN



U series utility fans - formerly known as FANTRAXX smoke ejectors - are ideal for many utility applications and have been designed to meet fire service needs.

The units are available in various configurations and sizes to satisfy almost any application. These fans produce high volumes of air in compact and efficient designs. Sizes range from 12" up to 24" blade diameters. Available with totally enclosed or explosion proof motors ranging in size from 1/3HP to 1/2HP. Entire fan assemblies are certified as shown.

All **U series utility fans** are finished in a tough powder coat finish with cadmium plated safety guards. All motors are ball bearing and require no maintenance. Voltages other than those listed (including 50HZ) are available. Consult factory. All units are equipped with 6 feet of cord with a plug (explosion proof units are minus plug). Available accessories include hanger bars and hooks, collar adaptors, flexible hoses, hose connectors and misting adaptor kits.

FEATURES

- Available in 12" to 18" sizes.
- Totally enclosed ball bearing motor and explosion proof models available.
- Powder coated housing.
- Fans come complete with 6 foot cord and plug (explosion proof motors come without a plug).



Heavy duty models also available. See next page.

SPECIFICATIONS

		MODEL	MOTOR	HP	RPM	VOLTAGE	FULL LOAD AMPERAGE (115)	CFM	WEIGHT (LBS)	FAN DIMENSIONS
BLADE DIAMETER	12"	U12-1	Totally enclosed	1/3	1725	115	3.8	1620	40	14 1/8" H X 14 1/8" W X 17" L
	16"	U16-1	Totally enclosed	1/3	1725	115	3.8	3151	49	19 1/8" H X 19 1/8" W X 17" L
		U16-4	Explosion proof	1/3	1725	115	6.8	3151	54	
	18"	U18-1	Totally enclosed	1/3	1725	115	3.8	3700	52	21 3/8" H X 21 3/8" W X 17" L
		U18-4	Explosion proof	1/3	1725	115	6.8	3700	57	

ACCESSORIES

- Hanger Bars/Hooks
- Flexible Hose
- Hose Connectors
- Collar Adaptors
- Utility Guards

For more information on accessories, see page 48.





U SERIES PORTABLE UTILITY FAN - HEAVY DUTY MODELS

U series utility fans - formerly known as FANTRAXX smoke ejectors - are ideal for many utility applications and have been designed to meet fire service needs. The units are available in various configurations and sizes to satisfy almost any application. These fans produce high volumes of air in compact and efficient designs. Sizes range from 12" up to 24" blade diameters. Available with totally enclosed or explosion proof motors ranging in size from 1/3HP to 1/2HP. Entire fan assemblies are certified as shown.

All **U series utility fans** are finished in a tough powder coat finish with cadmium plated safety guards. All motors are ball bearing and require no maintenance. Voltages other than those listed (including 50HZ) are available. Consult factory. All units are equipped with 6 feet of cord with a plug (explosion proof units are minus plug). Available accessories include hanger bars and hooks, collar adaptors, flexible hoses, hose connectors and misting adaptor kits.

FEATURES

- Available in 16" to 24" sizes.
- Totally enclosed ball bearing motor and explosion proof models available.
- Powder coated housing.
- Fans come complete with 6 foot cord and plug (explosion proof motors come without a plug).

SPECIFICATIONS

		MODEL	MOTOR	HP	RPM	VOLTAGE	FULL LOAD AMPERAGE (115)	CFM	WEIGHT (LBS)	FAN DIMENSIONS
BLADE DIAMETER	16"	U16-1HD	Totally enclosed	1/2	1725	115/230	8.8	3740	64	19 1/8" H X 19 1/8" W X 17" L
		U16-4HD	Explosion proof	1/2	1725	115/230	8.0	3740	83	
	18"	U18-1HD	Totally enclosed	3/4	1725	115/230	11	5170	78	21 3/8" H X 21 3/8" W X 17" L
		U18-4HD	Explosion proof	3/4	1725	115/230	10.8	5170	96	
	20"	U20-1HD	Totally enclosed	1	1725	115/230	13.4	6850	98	24 3/8" H X 24 5/14" W X 17" L
		U20-4HD	Explosion proof	1	1725	115/230	13.4	6850	118	
	24"	U24-1HD	Totally enclosed	1 1/2	1725	115/230	15.2	9280	112	26 1/8" H X 26 1/8" W X 17" L
		U24-4HD	Explosion proof	1 1/2	1725	115/230	19	9280	134	

For standard duty models please see previous page.

ACCESSORIES

- Hanger Bars/Hooks
- Flexible Hose
- Hose Connectors
- Collar Adaptors
- Utility Guards

For more information on accessories, see page 48.



PORTABLE UTILITY FAN & U SERIES SMOKE EJECTOR ACCESSORIES

HANGER BARS / HOOKS



Adjustable bar and hooks (sold separately) used to hang U Series utility fan from a doorway or opening (Minimum 31" / Maximum 45" wide).

MODEL	DESCRIPTION
SEH-3	DOOR HANGER BAR
SEH-HB	HANGER HOOKS (PAIR)

FLEXIBLE HOSE

Our Flexible Hose is constructed from a PVC fabric sewn around a spring wire helix. Temperature range is from -20° to 200°F. Flexible Hose is flame resistant and compressible to 1/5 extended length. Comes equipped with quick release buckle on one end and outlet ring on the other end.



8" & 12" models come complete with soft carrying case.

MODEL	DIAMETER	LENGTH	FAN SIZE
H8BC	8"	15'	U12
H12BC	12"	15'	U12
H16BC	16"	20'	U16
H18BC	18"	20'	U18
H20BC	20"	20'	U20
H24BC	24"	20'	U24

HOSE CONNECTORS

Hose Connectors are required when attaching two lengths of hose together. Two gear clamps are included.



MODEL	FOR HOSE DIAMETER
HK8	8"
HK12	12"
HK16	16"
HK18	18"
HK20	20"
HK24	24"

COLLAR ADAPTORS

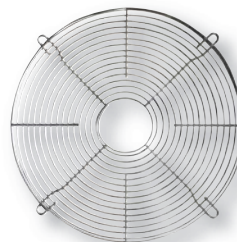
Collar Adaptors are required when using flexible hose. Easily attached to the inlet or discharge of a Smoke Ejector with spring clips (included).



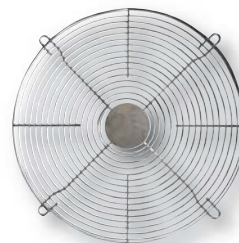
MODEL	HOSE SIZE	FAN SIZE	WEIGHT (LBS)
CA12-12	12"	U12	7
CA16	16"	U16	8
CA18	18"	U18	9
CA20	20"	U20	15
CA24	24"	U24	TBA

UTILITY GUARDS

Utility Guards have the centres cut out. To order with centre, do not include C in the model number.



2U121CLFI



2U121LFI

MODEL	SIZE
2U121CLF I	12"
2U161CLF I	16"
2U181CLF I	18"
2U202CLF I	20"
MC27GC	27"
MC30CG	30"

PLASTEC POLYPROPYLENE BLOWERS

The PLASTEC series polypropylene blowers are designed to work in highly corrosive air applications such as laboratory exhaust or the chemical industry. Housings are constructed of strong, high-density UV treated polypropylene for maximum corrosion resistance. Housings are made of a single piece to avoid leaks. Housings are reversible and rotatable to any of the 8 standard discharge positions.

FEATURES

- Housings constructed of strong, high density UV treated polypropylene for maximum corrosion resistance.
- One piece housing to avoid leakage.
- Housing is reversible and rotatable to any of the 8 standard discharge positions.
- Wheels are both electronically and dynamically balanced.
- Direct drive, heavy duty ball bearing motors for continuous duty.
- Totally enclosed, fan cooled motors (TEFC) or high efficient explosion proof motors.

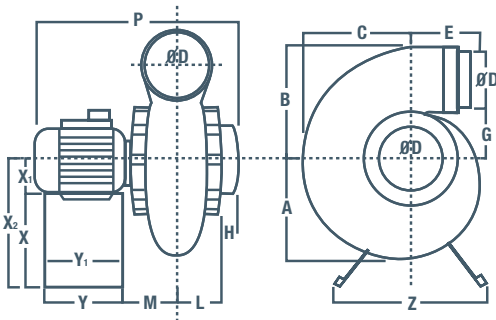
* Shown with optional motor support

PERFORMANCE DATA

		MODEL #		INLET/OUTLET SIZE (OD) INCHES	RPM	H.P.	CFM									
		SINGLE PHASE	THREE PHASE				0"	1/4"	1/2"	3/4"	1"	1 1/2"	2"	2 1/2"	4"	5"
MODEL	TEFC															
	15	P15T10025C	P15T30025C-*	4.92/4.92	1140	1/4	200	50	-	-	-	-	-	-	-	-
		P15T10033B	P15T30033B-*	4.92/4.92	1725	1/3	300	250	150	-	-	-	-	-	-	-
		P15T10050A	P15T30050A-*	4.92/4.92	3450	1/2	600	575	550	525	500	400	300	150	-	-
	20	P20T10025C	P20T30025C-*	6.30/6.62	1140	1/4	600	500	300	100	-	-	-	-	-	-
		P20T10033B	P20T30033B-*	6.30/6.62	1725	1/3	900	850	775	700	500	100	-	-	-	-
		P20T10150A	P20T30150A-*	6.30/6.62	3450	1 1/2	1800	1700	1600	1500	1400	1300	1200	1100	-	-
	25	P25T10033C	P25T30033C-*	7.82/8.62	1140	1/3	1100	1000	900	600	-	-	-	-	-	-
		P25T10075B	P25T30075B-*	7.82/8.62	1725	3/4	1700	1600	1500	1400	1300	1100	400	-	-	-
		-	P25T30300A-*	7.82/8.62	3450	3	-	-	-	-	-	-	-	-	-	2300
	30	P30T10075C	P30T30075C-*	9.84/10.75	1140	3/4	2250	2100	2000	1750	1500	1000	-	-	-	-
		P30T10200B	P30T30200B-*	9.84/10.75	1725	2	3500	3400	3250	3150	3000	2750	2500	2000	-	-
		35	208-230/460 VOLT ONLY	P35T30200D	12.75/12.75	850	2	3420	3250	3000	2750	2500	2000	-	-	-
	P35T30500C			12.75/12.75	1140	5	5000	4750	4500	4250	4000	3500	3000	2500	-	-
	P35T31000B			12.75/12.75	1750	10	-	-	-	-	-	-	-	-	4600	3500
	EXPLOSION PROOF															
	15	P15X10033B	P15X30033B-*	4.92/4.92	1725	1/3	300	250	150	-	-	-	-	-	-	-
		P15X10050A	P15X30050A-*	4.92/4.92	3450	1/2	600	575	550	525	500	400	300	150	-	150
P20X10033B		P20X30033B-*	6.30/6.62	1725	1/3	900	850	775	700	500	100	-	-	-	-	
20	P20X10150A	P20X30150A-*	6.30/6.62	3450	1 1/2	1800	1700	1600	1500	1400	1300	1200	1100	-	-	
	P25X10075B	P25X30075B-*	7.82/8.62	1725	3/4	1700	1600	1500	1400	1300	1100	400	-	-	-	
	-	P25X30300A-*	7.82/8.62	3450	3	-	-	-	-	-	-	-	-	-	2300	
30	P30X10075C	P30X30075C-*	9.84/10.75	1140	3/4	2250	2100	2000	1750	1500	1000	-	-	-	-	
	P30X10200B	P30X30200B-*	9.84/10.75	1725	2	3420	3250	3000	2750	2500	2000	-	-	-	-	

* For three phase motors, substitute "*" with "M" for 208-230/460V, or with "P" for 575V (except on P35 models which are only available in 208-230/460V)

DIMENSIONS * Shown with optional motor support



DIMENSION	MODEL	RPMs		
		1150	1725	3450
X1	P15	2 13/16"	2 13/16"	2 13/16"
X2		12 1/4"	12 1/4"	12 1/4"
X1	P20	2 13/16"	2 13/16"	3 1/8"
X2		12 1/4"	12 1/4"	12 5/8"
X1	P25	2 13/16"	3 1/8"	3 9/16"
X2		12 1/4"	12 5/8"	15 3/8"
P	P30	18 7/8"	20 1/2"	22 13/16"
X1		3 1/8"	3 9/16"	22 7/16"
X2	P35	17 11/16"	18 1/8"	-
P		22 7/16"	23 5/8"	-
X1	P35	4.41"	4.41"	-
X2		22.83"	22.83"	-
P	P35	28.50"	28.5"	-
X1		4.41"	4.41"	-

MODEL	A	B	C	D	E	G	H	L	M	P	Y	Y1	Z	X
P15	6 1/16"	9 7/8"	8"	4 7/8"	5 11/16"	4 3/4"	1 1/5"	2 3/4"	3 1/8"	14 1/4"	7 1/16"	6 5/16"	13 3/8"	9 7/16"
P20	8 3/16"	12 1/16"	9 7/16"	6 5/8"	6 3/16"	5 1/2"	1 1/3"	3 3/8"	3 11/16"	15 1/3"	7 1/16"	6 5/16"	13 3/8"	9 7/16"
P25	9 3/4"	14 3/4"	12 3/16"	8 5/8"	6 5/8"	6 1/8"	1 1/3"	3 3/4"	4 1/8"	-	7 1/16"	6 5/16"	16 1/2"	-
P30	11 3/16"	18 3/16"	14 11/16"	10 3/4"	7"	7 5/16"	1 1/3"	4 5/16"	4 3/4"	-	9 7/16"	8 11/16"	18 1/8"	-
P35	14.57"	22.44"	17.72"	12.75"	5.12"	10.04"	2.36"	5.91"	6.69"	28.50"	13.78"	12.36"	23.62"	18.43"



ACCESSORIES

- Weather hood enclosed pedestal for weather protection
- Roof unit kit
- Roof curbs
- Dampers
- Motor supports



Plastec products are special non-standard items and are not-returnable and cannot be cancelled.

JET SERIES POLYPROPYLENE INLINE FANS



The JET Series centrifugal inline fan is designed to work in highly corrosive air applications such as laboratory exhaust or the chemical industry. Inline centrifugal fan from 6" up to 10" inlet. Mounted on a roof curb or a Inline, JET fans generate a high plume exhaust to ensure maximum dilution of gases in the environment. Smooth and quiet performance. Ideal for water treatment plants and fume hood exhaust applications.

FEATURES

- Polypropylene casing and wheel recommended up to 190°F.
- Housing shall be constructed of strong high-density UV treated polypropylene for maximum corrosion resistance.
- High plume of air to ensure maximum dilution of gases to prevent exhaust fumes returning into buildings.
- Wheels are both electronically and dynamically balanced.
- Direct drive, heavy-duty ball bearing type motors for continuous duty.

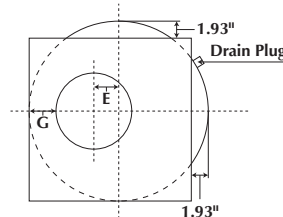
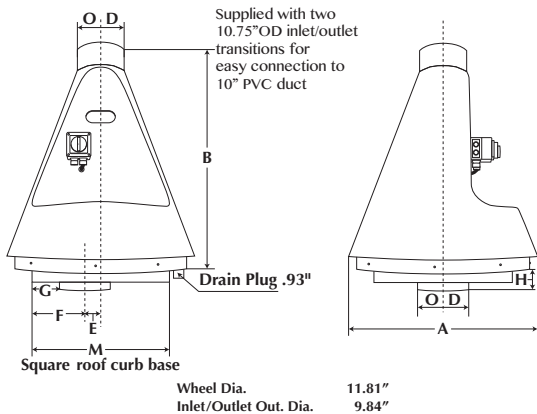
SPECIFICATIONS

		MODEL #		INLET/OUTLET SIZE (OD) INCHES	RPM	H.P.	CFM														
		SINGLE PHASE	THREE PHASE				1/4"	1/2"	3/4"	1"	1 1/2"	2"	2 1/2"	3"	3.5"	4"	4.5"	7.5"	8.5"		
MODEL	TEFC																				
	20	JET20T10025C	JET20T30025C-*	6.62/6.62	1140	1/4	325	100	-	-	-	-	-	-	-	-	-	-			
		JET20T10033B	JET20T30033B-*	6.62/6.62	1725	1/3	-	500	400	300	-	-	-	-	-	-	-	-			
		JET20T10150A	JET20T30150A-*	6.62/6.62	3450	1 1/2	-	-	-	-	-	1000	950	900	800	690	550	-			
	25	JET25T10033C	JET25T30033C-*	8.62/8.62	1140	1/3	-	750	575	225	-	-	-	-	-	-	-	-			
		JET25T10075B	JET25T30075B-*	8.62/8.62	1725	3/4	-	-	-	1050	850	575	-	-	-	-	-	-			
		-	JET25T30300A-*	8.62/8.62	3450	3	-	-	-	-	-	-	-	-	-	-	-	1350	800		
	30	JET30T10075C	JET30T30075C-*	10.75/10.75	1140	3/4	-	1500	1375	1250	250	-	-	-	-	-	-	-			
		JET30T10200B	JET30T30200B-*	10.75/10.75	1725	2	-	-	-	-	2100	1850	1500	875	-	-	-	-			
		EXPLOSION PROOF																			
20	JET20X10033B	JET20X30033B-*	8.62/8.62	1725	1/3	-	500	400	300	-	-	-	-	-	-	-	-				
	30	-	JET30X30075C-*	10.75/10.75	1140	3/4	-	1500	1375	1250	250	-	-	-	-	-	-	-			
		-	JET30X30200B-*	10.75/10.75	1775	2	-	-	-	-	2100	1850	1500	875	-	-	-	-			

* For three phase motors, substitute "*" with "M" for 208-230/460V, or with "P" for 575V

DIMENSIONS

MODEL	A	B	D	E	F	G	H	M (ID)	X	Y
JET20	23.62"	33.25"	6.3"	1.93"	9.87"	6.31"	4.5"	21.25" X 21.25"	11"	11.81"
JET25	28.93"	39.12"	7.87"	2.37"	12"	5.68"	5.31"	21.25" X 21.25"	13"	11.81"
JET30	34.62"	43.31"	9.84"	2.75"	7.87"	2.93"	5.12"	21.25" X 21.25"	15.75"	15.75"

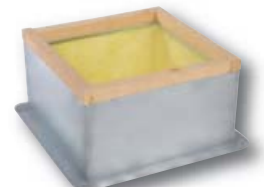


ACCESSORIES

- Optional JET Wall Mounting Bracket
- Optional Insulated Galvalume Roof Curb



Wall Mounting Bracket



Insulated Galvalume Roof Curb



Plastec products are special non-standard items and are not-returnable and cannot be cancelled.

STORM SERIES POLYPROPYLENE BLOWERS

Designed to exhaust fumes from highly corrosive environments such as laboratory exhaust or the chemical industry, especially those with high static pressure and low CFM. 3 sizes available from 3" to 6" inlet/outlet. It is an excellent system for Scrubber Applications and other systems requiring low airflow at higher static pressure. Suitable for many applications such as acid tank ventilation, hood exhaust, commercial washers wastewater, chemical cabinets/rooms, etc.

FEATURES

- Polypropylene casing and wheel recommended up to 190°F.
- Housing shall be constructed of strong high-density UV treated polypropylene for maximum corrosion resistance.
- Housing is made of one piece to avoid leaks.
- Housing is rotatable to any of the 8 standard discharge positions.
- Wheels are both electronically and dynamically balanced.
- Direct drive, heavy-duty ball bearing type motors for continuous duty.

* Shown with optional motor support



SPECIFICATIONS

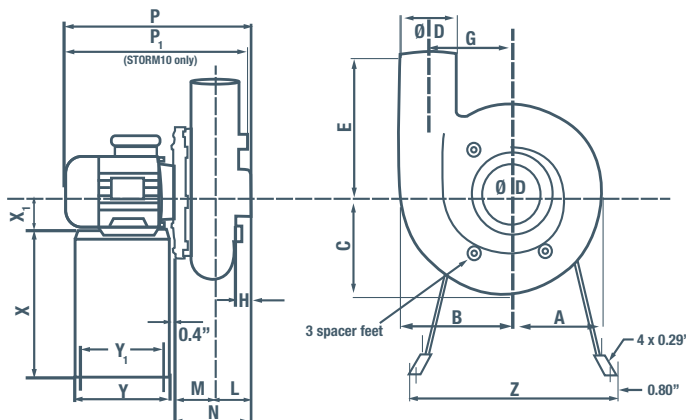
		MODEL #		INLET/OUTLET SIZE (OD) INCHES	RPM	H.P.																
		SINGLE PHASE	THREE PHASE				1/4"	1/2"	3/4"	1"	1 1/2"	2"	2 1/4"	3"	4"	4.5"	6.5"	7.5"	11"	12"		
MODEL	TEFC																					
	10	STORM10T10012B	-	2.95/2.95	1725	1/8	60	40	-	-	-	-	-	-	-	-	-	-	-			
		STORM10T10033A	STORM10T30033A-*	2.95/2.95	3450	1/3	-	-	135	125	100	75	50	-	-	-	-	-	-			
	12	STORM12T10033B	STORM12T30033B-*	3.54/3.54	1725	1/3	225	190	150	125	-	-	-	-	-	-	-	-	-			
		STORM12T10100A	STORM12T30100A-*	3.54/3.54	3450	1	-	-	-	-	380	360	350	325	250	200	-	-	-			
	14	STORM14T10050B	STORM14T30050B-*	4.53/4.53	1725	1/2	-	-	-	-	400	100	-	-	-	-	-	-	-			
		-	STORM14T30300A-*	4.53/4.53	3450	3	-	-	-	-	-	-	-	-	-	800	550	-	-			
	16	-	STORM16T30550A-*	6.5/6.5	3450	5 1/2	-	-	-	-	-	-	-	-	-	-	1200	300				
		EXPLOSION PROOF																				
	10	STORM10X10033B	STORM10X30033B-*	2.95/2.95	1725	1/3	60	40	-	-	-	-	-	-	-	-	-	-	-			
		STORM10X10033A	-	2.95/2.95	3450	1/3	-	-	135	125	100	75	50	-	-	-	-	-	-			
	12	STORM12X10033B	STORM12X30033B-*	3.54/3.54	1725	1/3	225	190	150	125	-	-	-	-	-	-	-	-	-			
		STORM12X10100A	STORM12X30100A-*	3.54/3.54	3450	1	-	-	-	-	380	360	350	325	250	200	-	-	-			
	14	STORM14X10050B	STORM14X30050B-*	4.53/4.53	1725	1/2	-	-	-	-	400	100	-	-	-	-	-	-	-			
		-	STORM14X30300A-*	4.53/4.53	3450	3	-	-	-	-	-	-	-	-	-	800	550	-	-			
	16	-	STORM16X30550A-*	6.5/6.5	3450	5 1/2	-	-	-	-	-	-	-	-	-	-	-	1200	300			

* For three phase motors, substitute "*" with "M" for 208-230/460V, or with "P" for 575V

DIMENSIONS

MODEL	A	B	C	D	E	G	H	L	M	N	Y	Y ₁	Z	X
STORM10	4.53	5.31	5.00	2.95	6.22	3.82	1.26	1.90	2.24	4.14	7.09	6.3	13.39	9.45"
	P ₁	P	X ₁	MOTOR TYPE										
	10.73"	11.88"	2.30"	Single Phase .12 HP 4 Pole										
	13.75"	14.90"	3.16"	Single Phase .33 HP 2 Pole										
	18.00"	19.15"	3.43"	Single Phase .12 HP 4 Pole										

MODEL	WHEEL DIAMETER	A	B	C	D	E	G	H	L	M	N	P	Y	Y ₁	Z	X	X ₁
STORM12	7.75"	5.71"	6.89"	6.42"	3.54"	8.35"	5.12"	1.77"	3.15"	2.83"	5.98"	13.78"	7.09"	6.3"	13.39"	9.45"	2.8"
STORM14	9.75"	7.4"	9.13"	8.94"	4.53"	10.58"	6.69"	4.17"	6.33"	3.27"	9.6"	19.05"	7.125"	6.3"	13.39"	11.75"	3.15"
STORM16	11.75"	9.25"	11.34"	10.94"	6.5"	12.31"	8.07"	1.57"	3.94"	3.82"	7.76"	18.78"	13.78"	12.36"	23.62"	18.43"	4.41"



Metal stand does not come standard with fan. Motor frame sizes may vary upon type of motor used.

ACCESSORIES

- Weather hood enclosed pedestal for weather protection



Plastec products are special non-standard items and are not-returnable and cannot be cancelled.

IB: POLY INFLATION BLOWERS



IB-BA

- Powder coated
- Comes complete with inlet damper, mounting bracket and cord.



IB-B (MOTOR ONLY)

- Replacement blower only
- Comes with cord



IB-S

- Blower - Single



IB-D

- Blower - Double

GENERAL INFORMATION

Canarm Poly inflation blowers are specially designed for Poly Greenhouses. These blowers are designed to inflate layers of poly, creating a lightly pressurized air pocket between the layers.

IB series inflation blowers feature rugged 120V motors c/w grounded cord set, inlet damper single or double hose, flange kit and mounting bracket

APPLICATIONS USED IN

Canarm Poly inflation blowers are specially designed for use in Poly Greenhouses.

ACCESSORIES

- IB-BP** Poly by-pass kit; comes with 5' of hose and hardware
- IB-FL** Flange complete with gear clamp, retainer kits and gaskets
- IB-H-5** 5' of hose
- IB-H-25** 25' of hose



IB-BP



IB-FL

BACKDRAFT DAMPERS

MODEL 3000, 3100, 3200



BLADE OPTION:

SR: 0.016" - 0.020"
roll formed aluminum
with vinyl gasket -
used with fan motors
under 1 HP

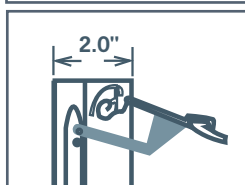
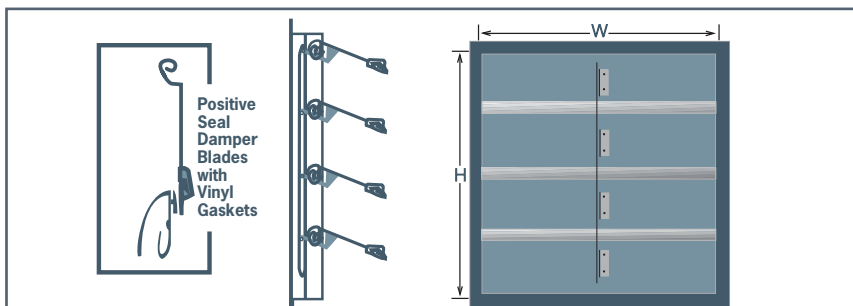
SE: 0.05" extruded
aluminum with vinyl
gasket - used with
fan motors over 1 HP

FEATURES

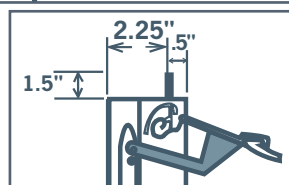
- Sturdily constructed from all aluminum extrusions.
- Roll form blades or extruded aluminum blades.
- Available in any combination of width and height.
- Less than 1% leakage.



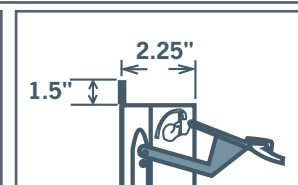
3000 & 3100 Series are undercut by 1/4".
3200 Series is cut exact.



SERIES 3000
SIDE MOUNT - NO FLANGE



SERIES 3100
INWARD MOUNT



SERIES 3200
OUTWARD MOUNT

ORDERING METHOD FOR BACKDRAFT & MOTORIZED BACKDRAFT DAMPERS

S R 32 16 X 16

- S** - Shutter
 - R** - for Roll form (fans using under 1 HP motors)
 - 32** - Series 30 for 3000, 31 for 3100 or 32 for 3200
 - 16** - Height 1/4" increments
 - X** - Non motorized - blade type
 - 16** - Width 1/4" increments
 - E** - for Extruded (heavier blades for motors above 1 HP)
 - Z** - for 24V AC
- Separator
Motorized - motor
Extruded blades with multi products motor is standard

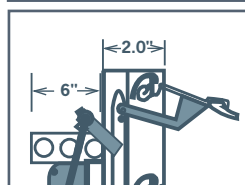
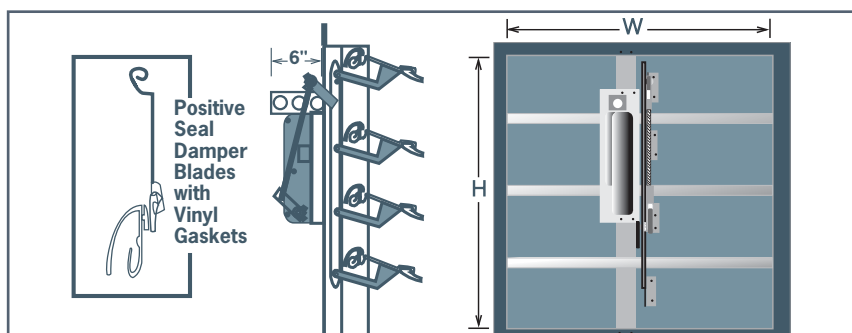


Non-standard shutters are non-returnable and cannot be cancelled.

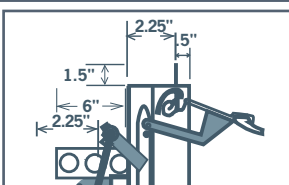
MOTORIZED BACKDRAFT DAMPERS

MODEL 3000M, 3100M, 3200M

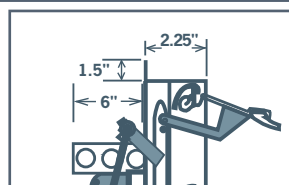
See page 78 for Multi-Products replacement motors.



SERIES 3000M
SIDE MOUNT - NO FLANGE



SERIES 3100M
INWARD MOUNT



SERIES 3200M
OUTWARD MOUNT

FEATURES

- Sturdily constructed from all aluminum extrusions
- Damper motor factory installed (24V, 115/230V - must specify at time of order)
- Maximum 30.25 sq. feet per motor
- Positive seal keeps leakage less than 1%
- Blades are 0.5" extruded aluminum with vinyl gasket
- Double panel available 30" and up
- Standard multi products motor



3000 & 3100 Series are undercut by 1/4".
3200 Series is cut exact.

ACCESSORIES

- Bird screen
- Special coatings
- Insect screen
- End switch



FIXED LOUVRES MODEL - EAL-2, EAL-2F

Normally used as an exhaust louver where the total CFM is relatively low

Models EAL-2 and EAL-2F are 2" deep louvers with blades set at a 30° angle. Their slim design may be used in curtain wall, interior or exterior partitions and window walls. All louvers are furnished with 1/2" x 1/2" regalvanized wire birdscreen.



Non-standard shutters are non-returnable and cannot be cancelled.

FEATURES

- **MATERIAL:** .081" (2.06 mm) thick, 6063-T5 alloy, extruded aluminum
- **BLADE DESIGN:** set at 30° spaced 2" (50 mm) on centres with storm proof performance
- **CONSTRUCTION:** blade assembly is designed to prevent bowing and distortions. All corners are mitered to provide a neat, uniform extrusion profile at the perimeter.
- **SCREENS:** 1/2" x 1/2" regalvanized, 19 gauge wire
- **FINISHES:** mill is standard finish, anodized or baked enamel available at additional cost.
- **SIZES:** per customer specification multiple sections may be required. Consult factory. Minimum size available: 6" x 6".

ORDERING METHOD

- No flange: EL2-W x H eg) EL2-16x16
- With flange: EL2F-W x H eg) EL2F-16x16



FIXED LOUVRES MODEL - EAL-4, EAL-4F

Design provides high free area and can exhaust a high volume of air with little static pressure.

Models EAL-4 and EAL-4F are 4" deep louvers with blades set at a 30° angle, ensuring positive drainage which prevents discoloration of building walls. All louvers are furnished with 1/2" x 1/2" regalvanized wire birdscreen.



Non-standard shutters are non-returnable and cannot be cancelled.

FEATURES

- **MATERIAL:** .081" (2.06 mm) thick, 6063-T5 alloy, extruded aluminum
- **BLADE DESIGN:** set at 35° spaced 4" (100 mm) on centres with storm proof performance
- **CONSTRUCTION:** blade assembly is designed to prevent bowing and distortions. All corners are mitered to provide a neat, uniform extrusion profile at the perimeter.
- **SCREENS:** 1/2" x 1/2" regalvanized, 19 gauge wire
- **FINISHES:** mill is standard finish, anodized or baked enamel available at additional cost.
- **SIZES:** per customer specification multiple sections may be required. Consult factory. Minimum size available: 6" x 12".

ORDERING METHOD

- No flange: EL4-W x H eg) EL4-24x24
- With flange: EL4F-W x H eg) EL4F-24x24



FIXED LOUVRES MODEL - EAL-6, EAL-6F

Design provides protection from water penetration while retaining high free area.

Models EAL-6 and EAL-6F are 6" deep louvres with blades set at a 45° angle. Their slim design may be used in curtain wall, interior or exterior partitions and window walls. The design provides protection from water penetration while retaining high free area. All louvres are furnished with 1/2" x 1/2" regalvanized wire birdscreen.



Non-standard shutters are non-returnable and cannot be cancelled.

FEATURES

- **MATERIAL:** .085" (2.16 mm) thick, 6063-T5 alloy, extruded aluminum
- **BLADE DESIGN:** set at 45° spaced 7 1/4" (184.2 mm) on centres with storm proof performance
- **CONSTRUCTION:** blade assembly is designed to prevent bowing and distortions. All corners are mitered to provide a neat, uniform extrusion profile at the perimeter.
- **SCREENS:** 1/2" x 1/2" regalvanized wire
- **FINISHES:** mill is standard finish, anodized or baked enamel available at additional cost.
- **SIZES:** available in any combination of width or height (multiple sections may be required). Minimum size available: 6" x 16".

ORDERING METHOD

- **No flange:** EL6-W x H eg) EL6-24x24
- **With flange:** EL6F-W x H eg) EL6F-24x24



OPERATING LOUVRES MODEL - EAL-4-0, EAL-4-0F

Ideal for applications in which the available space does not allow for a fixed louver and a backdraft damper.

Models EAL-4-0 and EAL4-0F are 4" deep operable louvres with storm proof blades which pivot on aluminum pins rotating in nylon flanged bearings. Manual or motor operators may be employed. Bird screen is 1/2" x 1/2" regalvanized wire and normally mounted on the face of the louvres.



Non-standard shutters are non-returnable and cannot be cancelled.

FEATURES

- **MATERIAL:** .085" (2.16 mm) thick, 6063-T5 alloy, extruded aluminum
- **BLADE DESIGN:** adjustable to 6 1/8" (156 mm) on centres with storm proof performance, 45° spaced
- **CONSTRUCTION:** blade assembly is designed to prevent bowing and distortions. Complete with jam and blade seals.
- **SCREENS:** 1/2" x 1/2" (12.7 mm x 12.7 mm) regalvanized wire
- **FINISHES:** mill is standard finish, anodized or baked enamel available at additional cost.
- **SIZES:** available in any combination of width or height (multiple sections may be required). Minimum size available: 6" x 16".
- **STANDARD METHOD OF OPERATION:** Chain. Belimo actuators available. See page 78.

ORDERING METHOD

- **No flange:** EL40-W x H eg) EL40-24x24
- **With flange:** EL40F-W x H eg) EL40F-24x24



SCD - STEEL CONTROL DAMPERS STANDARD CONSTRUCTION

The SCD series control dampers have been designed and tested to provide a reliable cost effective control damper where tight sealing is NOT of primary importance (for tight sealing dampers, use model SCD-LL). Its design lets it to be used in either exhaust or intake applications.

The SCD series rigid frame and integrally braced corners provide true damper alignment that greatly resists being installed out of square or out of flat. Available in either parallel or opposed blade models. SCD dampers less than 48" wide x 12" high are furnished with a low profile flat top and bottom to maximize free area. Dampers may be made to accommodate higher than the recommended 2.5" w.g. static pressure. Contact factory if application involves pressures in excess of 2.5" w.g. or velocities greater than 1500 fpm. Factory installed operators are available. Consult factory for details.



Non-standard shutters are non-returnable and cannot be cancelled.

FEATURES

- **FRAME:** roll-formed galvanized steel hat section with staked corners with integral bracing.
- **BLADE:** 16-18 gauge triple-vee profile roll-formed galvanized steel. Minimum width: 4.25". Maximum width: 7.25". Opposed blades are standard (for parallel, please specify).
- **BEARINGS:** bronze oilite, press fit into frame
- **AXLES:** square, plated steel
- **LINKAGES:** concealed in frame. Leakage bars are 12 gauge thick galvanized steel.
- **FINISH:** mill galvanized
- **EXTENDED SHAFT:** 0.5" diameter, plated steel
- **MAXIMUM TEMPERATURE:** 250°F
- **SIZES:** Minimum size: 5" W x 4" H; Maximum size: single section - 48" W x 72" H; Multiple section - unlimited size

See page 78 for Belimo motor options.

ORDERING METHOD

MODEL NOMENCLATURE EXAMPLE

DAMPER STYLES: SCD = SD; SCD-LL = SL

DAMPER
STYLE

SD **24.00** x **24.00** **A**

WIDTH

PLACEHOLDER FOR ACTUATOR
(IF REQUIRED)

HEIGHT

A=MOUNTED IN AIRSTREAM
B=MOUNTED OUT OF AIRSTREAM



SCD-LL - STEEL CONTROL DAMPERS LOW LEAKAGE CONSTRUCTION

The SCD-LL series control dampers have been designed and tested to provide an extremely tight sealing damper which is cost effective for the majority of HVAC applications. They are generally recommended for face velocities up to 2000 fpm and static pressures to 2.5" w.g. (Note: for systems in excess of 2.5 w.g., contact the factory.)

The SCD-LL series dampers have inflatable pressure sensitive jamb and blade edge seals to provide the ultimate in sealing characteristics without unduly increasing torque requirements. Available in either parallel or opposed (standard) blade models.

SCD-LL dampers less than 48" wide x 12" high are furnished with a low profile flat top and bottom to maximize free area. SCD-LL dampers have a rigid frame and integrally braced corners that provide true damper alignment that greatly resists being installed out of square or out of flat. This ensures on site performance equal to test results. Factory installed operators are available. Consult factory for details.



Non-standard shutters are non-returnable and cannot be cancelled.

FEATURES

- **FRAME:** roll-formed galvanized steel hat section with staked corners with integral bracing.
- **BLADE:** 16-18 gauge triple-vee profile roll-formed galvanized steel. Minimum width: 4.25". Maximum width: 7.25". Opposed blades are standard (for parallel, please specify).
- **BEARINGS:** bronze oilite. Press into frame.
- **SEALS:** pressure sensitive PVC blade edge & flexible metal jamb seals
- **LINKAGES:** concealed in frame. Leakage bars are .125" thick plated steel.
- **FINISH:** mill galvanized
- **EXTENDED SHAFT:** 0.5" diameter, plated steel
- **MAXIMUM TEMPERATURE:** 250°F
- **SIZES:** Minimum size: 5" W x 4" H; Maximum size: single section - 48" W x 72" H; Multiple section - unlimited size

PERFORMANCE DATA

The SCD-LL dampers have been tested to AMCA Standard 500-D with the following results:

	AT 1.0" w.g.	AT 2.5" w.g.	AT 4.0" w.g.
LEAKAGE (cfm/SQ FT)	3.5	5.0	7.0



SCD-LL-HD - HEAVY DUTY CONTROL DAMPERS LOW LEAKAGE CONSTRUCTION

The SCD-LL-HD series dampers have been designed and tested to provide rigid, robust and yet cost effective control dampers for special applications involving high pressure up to 9.0" w.g.

The SCD-LLHD dampers have a pressure sensitive jamb and the blade edge seals to provide the ultimate in sealing characteristics without unduly increasing torque requirements.

The SCD-LL-HD series damper's rigid frame and integrally braced corners provide true damper alignment that greatly resists being installed out of square or out of flat. This ensures on site performance equal to test results. Factory installed electric motors are available. Consult factory for details.



Non-standard shutters are non-returnable and cannot be cancelled.

FEATURES

- **FRAME:** roll-formed galvanized steel hat section with staked corners with integral bracing & roll-formed galvanized steel C channel insert welded to provide equivalent of 12 gauge steel.
- **BLADE:** 16 gauge roll-formed galvanized steel & 18 gauge roll-formed galvanized steel continuous rigidizing section to provide equivalent of 10 gauge steel.
- **BEARINGS:** bronze oilite, press fit into frame
- **AXLES:** square, plated steel PVC
- **SEALS:** pressure sensitive, dual durometer blade edge seals and flexible metal jamb seals

- **LINKAGES:** concealed in frame. Leakage bars are 12 gauge thick galvanized steel
- **FINISH:** mill galvanized
- **EXTENDED SHAFT:** 0.5" diameter, plated steel
- **MAXIMUM TEMPERATURE:** 250°F
- **SIZES:** Minimum size: 8" W x 8" H (203 mm x 203 mm); Maximum size: single section - 60" W x 72" H (1524 mm x 1829 mm); Multiple section - unlimited size.

See page 78 for Belimo motor options.

PERFORMANCE DATA

The SCD-LL-HD dampers have been tested to **AMCA Standard 500-D** with the following results:

	AT 1.0" w.g.	AT 4.0" w.g.	AT 8.0" w.g.	AT 8.0" w.g.
LEAKAGE (cfm/SQ FT)	3.5	7.0	9.8	11.2

OPTIONAL CONSTRUCTION

- **BEARINGS:** nylon, press fit into frame
- Silicone blade edge seals

ORDERING METHOD

MODEL NOMENCLATURE EXAMPLE

DAMPER STYLES: SCD-LL-HD = SL-HD

DAMPER
STYLE

SL-HD

24.00

WIDTH

x

24.00

HEIGHT

0A

PLACEHOLDER FOR ACTUATOR
(IF REQUIRED)

A=MOUNTED IN AIRSTREAM
B=MOUNTED OUT OF AIRSTREAM



NOTE: dampers are furnished approximately 1/4" smaller than given duct dimensions. Not recommended with blades running vertically. All dampers 32" and over are supplied with Jack shafting.

SCD-RD - STEEL ROUND CONTROL DAMPERS STANDARD CONSTRUCTION



The SCD-RD series control dampers have been designed and tested to provide a reliable cost effective control damper where tight sealing is NOT of primary importance. (Note: tight sealing dampers, see model # SCD-RD-LL-88).

Note Dampers are furnished approximately 1/8" smaller than given duct dimensions.

Factory installed electric operators are available when dampers are ordered with motor standard off bracket. Consult factory for details.

Note Non-standard dampers are non-returnable and cannot be cancelled.

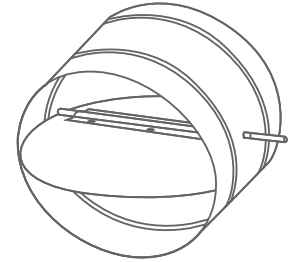
FEATURES

- **FRAME:** galvanized steel, rolled reinforcement.

DIAMETER	GAUGE
5" - 9"	22 ga.
10" - 24"	20 ga.

- **BLADE:** galvanized steel with welded channel reinforcement.
- **BEARINGS:** bronze oilite
- **AXLES:** 3/8" square plated steel

- **FINISH:** mill galvanized
- **EXTENDED SHAFT:**
Removable. 1/2" diameter, plated steel
- **MAXIMUM TEMPERATURE:** 200°F
- **DAMPER SIZES:** 5" to 24" diameter



ORDERING METHOD

- Use diameter required. SCD-RD-diameter eg) SCD-RD-10

SCD-RD-LL - STEEL ROUND CONTROL DAMPERS LOW LEAKAGE CONSTRUCTION



Note Dampers are furnished approximately 1/8" smaller than given duct dimensions.

The SCD-RD-LL series control dampers have been designed and tested to provide an extremely tight sealing damper which is cost effective for the majority of HVAC applications.

The SCD-RD-LL series dampers have pressure sensitive blade edge seals to provide the ultimate in sealing characteristics without unduly increasing torque requirements. Factory installed electric operators are available when dampers are ordered with motor stand off bracket. Consult factory for details.

Note Non-standard dampers are non-returnable and cannot be cancelled.

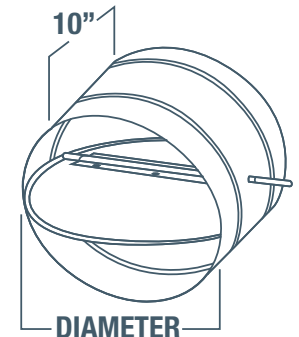
FEATURES

- **FRAME:** galvanized steel, rolled reinforcement.

DIAMETER	GAUGE
5" - 9"	22 ga.
10" - 24"	20 ga.

- **SEALS:** dual durometer pressure sensitive blade edge and jamb seals
- **BLADE:** galvanized steel with welded channel reinforcement.
- **BEARINGS:** bronze oilite

- **AXLES:** 3/8" square plated steel
- **FINISH:** mill galvanized
- **EXTENDED SHAFT:**
Removable. 1/2" diameter, plated steel
- **MAXIMUM TEMPERATURE:** 200°F
- **DAMPER SIZES:** 5" to 24" diameter



ORDERING METHOD

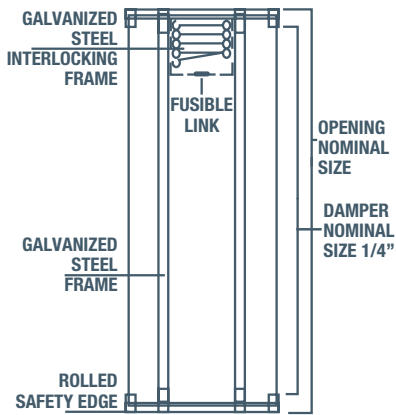
- Use diameter required. SCD-RD-LL-diameter eg) SCD-RD-LL-10

PERFORMANCE DATA

The SCD-LL-HD dampers have been tested to AMCA Standard 500-D with the following results:

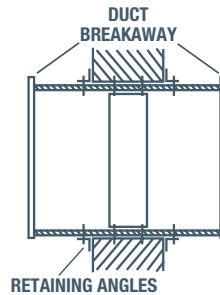
	AT 1.0" w.g.	AT 2.5" w.g.	AT 4.0" w.g.
LEAKAGE (cfm/SQ FT)	1.0	1.5	4.0

TYPICAL VERTICAL DAMPER

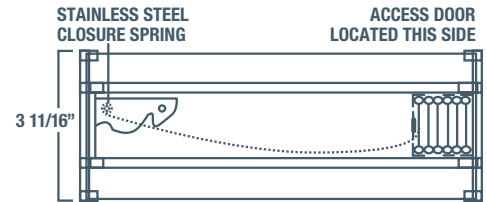


TYPE A - FIRE DAMPERS VERTICAL & HORIZONTAL

SUGGESTED INSTALLATION



TYPICAL HORIZONTAL DAMPER



FEATURES

- Narrow 2 3/16" or 1 1/2" frame
- Electro thermal links - 165°F standard
- Other fusible links 135°F, 212°F, 286°F
- Adjustable blade stack for combination fire/balancing damper
- Solenoid release

- Micro-switches for fan shut off and/or status control
- Stainless steel construction
- 1 1/2 hour rating standard - 3 hour optional vertical only
- Maximum size: 36" x 36"; Minimum size: 6" x 6"



Type A & Type B Fire Dampers are non-standard dampers and are not-returnable and cannot be cancelled.

SPECIAL NOTE



When the damper or damper assembly exceeds either 48" in width or 60" in height, the retaining angles should not be less than 1 1/2" x 1 1/2" x 1/8" thick and should be attached to the sleeve using 20 1/4" x 3/4" round head stove bolts at 8" on C. 1" long welds or No. 14 x 3/4" sheet metal screws at the same spacing.

TYPE B - FIRE DAMPERS VERTICAL & HORIZONTAL

FEATURES

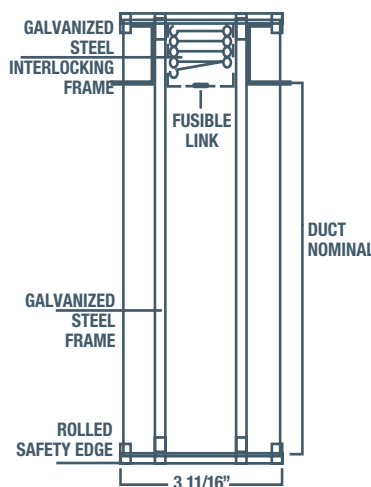
- Narrow 2 3/16" or 1 1/2" frame
- Electro thermal links - 165°F standard
- Other fusible links 135°F, 212°F, 286°F
- Adjustable blade stack for combination fire/balancing damper
- Solenoid release
- Micro-switches for fan shut off and/or status control
- Stainless steel construction
- 1 1/2 hour rating standard - 3 hour optional vertical only
- Maximum size: 36" x 36"; Minimum size: 6" x 4"

SPECIAL NOTE

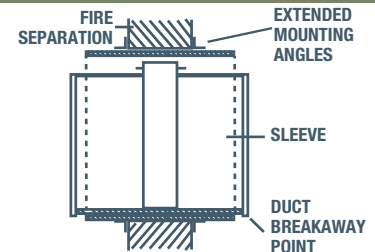


When the damper or damper assembly exceeds either 48" in width or 60" in height, the retaining angles should not be less than 1 1/2" x 1 1/2" x 1/8" thick and should be attached to the sleeve using 20 1/4" x 3/4" round head stove bolts at 8" on C. 1" long welds or No. 14 x 3/4" sheet metal screws at the same spacing.

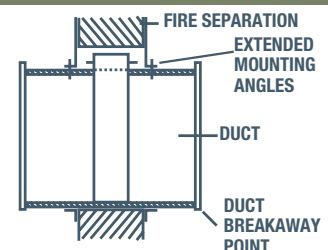
TYPICAL VERTICAL DAMPER



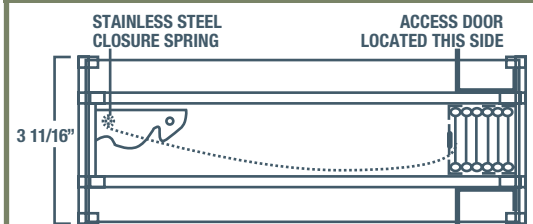
SUGGESTED INSTALLATION



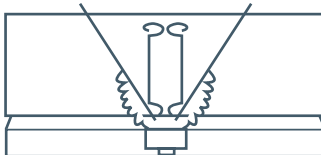
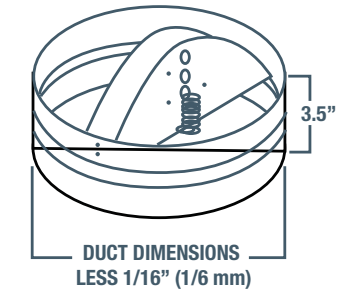
ALTERNATE INSTALLATION



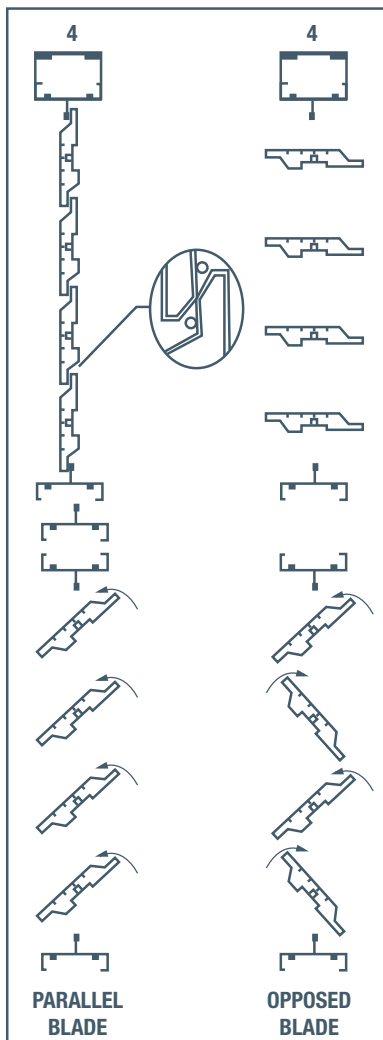
TYPICAL HORIZONTAL DAMPER



Type A & Type B Fire Dampers are non-standard dampers and are not-returnable and cannot be cancelled.



CD-RD-A-85
WITH ADJUSTABLE VOLUME CONTROLLER



CD-RD - ROUND CEILING DAMPER STANDARD CONSTRUCTION

MODELS

- **CD-RD-85** - Round, butterfly-type (non asbestos)
- **CD-RD-A-85** - Round, butterfly-type (non asbestos) with adjustable volume control

FEATURES

- **FRAME:** 24 gauge galvanized steel
- **BLADES:** 22 gauge galvanized steel.
- **THERMAL BLANKET:** non-asbestos ceramic blanket
- **SPRING:** corrosion resistant steel spring
- **FUSIBLE LINK:** replaceable 212°F standard. Other ratings available.
- **FINISH:** mill
- **SIZES:** Minimum size: 5"; Maximum size: 15"
(For sizes 16" to 20" CFSR-2 will be supplied.)
- **UL/UCL LISTINGS:** 3 - 4 hours

ORDERING METHOD

- Use diameter required: **CD-RD-diameter** eg) CD-RD-8



Non-standard dampers are non-returnable and cannot be cancelled.

AD - AF ALUMINUM CONTROL DAMPERS

FEATURES

- **DEPTH BLADES CLOSED:** 4" (101 mm)
- **DEPTH BLADES OPEN:** 6 1/8" (156 mm)
- **MATERIAL:** extruded 6063-T5 aluminum
- **FRAME THICKNESS:** 0.081" (2.06 mm)
- **BLADE STYLE:** **PB** - parallel blade standard; **OB** - opposed blade on request
- **BLADE THICKNESS:** 0.081" (2.06 mm)
- **BEARINGS:** moulded synthetic (Acetal)
- **SEALS:** co-extruded santoprene vinyl blade seal and vinyl jamb seal
- **AXLES:** 3/8" aluminum square bar
- **FRAME STYLE:** specify **DM** for Duct Mount or **FM** for Flange Mount
- **MINIMUM HEIGHT:** 8" (203 mm) single blade; 15" (381 mm) multiple blade
- **MAXIMUM PANEL WIDTH:** 60" (1524 mm)
- **MAXIMUM PANEL HEIGHT:** 60" (1524 mm)
- **MAXIMUM SYSTEM PRESSURE:** 5" w.g. for 60" blades
- **LEAKAGE:** does not exceed 7 CFM/ft² (341/s/m²) against 4" w.g. (1 kPa) differential static pressure at -40°F (-40°C)
- **LINKAGE:** concealed in frame
- **STANDARD FINISH:** mill
- **STANDARD MOTOR INSTALLATION:** side shaft direct drive, extendable up to 12"

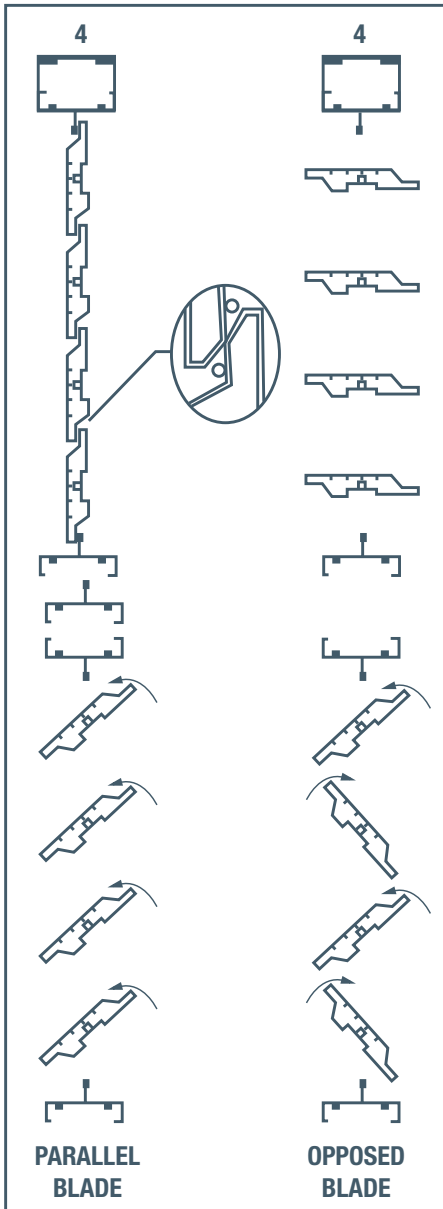
ORDERING METHOD

- **DUCT MOUNT:** AD-WxH
- **FLANGE MOUNT:** AF-WxH



Non-standard dampers are non-returnable and cannot be cancelled.

ADI - AFI ALUMINUM CONTROL DAMPERS



FEATURES

- **DEPTH BLADES CLOSED:** 4" (101 mm)
- **DEPTH BLADES OPEN:** 6 1/8" (156 mm)
- **MATERIAL:** extruded 6063-T5 aluminum
- **FRAME THICKNESS:** 0.081" (2.06 mm)
- **BLADE STYLE:** **PB** - parallel blade standard; **OB** - opposed blade on request
- **BLADE THICKNESS:** 0.081" (2.06 mm)
- **BEARINGS:** dual bearing system, consists of Engineered thermoplastic bearings (Acetal)
- **SEALS:** co-extruded santoprene vinyl blade seal and vinyl jamb seal
- **AXLES:** 3/8" aluminum square bar
- **FRAME STYLE:** specify **DM** for Duct Mount or **FM** for Flange Mount
- **FRAME INSULATION:** polystyrene insulation
- **BLADE INSULATION:** 60" blades are thermally broken high density polyurethane non-CFC foam (R-2.25)
- **MINIMUM HEIGHT:** 8" (203 mm) single blade; 15" (381 mm) multiple blade
- **MAXIMUM PANEL WIDTH:** 60" (1524 mm)
- **MAXIMUM PANEL HEIGHT:** 60" (1524 mm)
- **MAXIMUM PANEL SIZE:** 20 square feet
- **MAXIMUM SYSTEM PRESSURE:** 4" w.g.
- **LEAKAGE:** does not exceed 7 CFM/ft² (341/s/m²) against 4" w.g. (1 kPa) differential static pressure at -40°F (-40°C)
- **LINKAGE:** concealed in frame
- **STANDARD FINISH:** mill
- **STANDARD MOTOR INSTALLATION:** side shaft direct drive, extendable up to 12"
- **OPERATING TEMPERATURE RANGE:** -40° to +200°F

ORDERING METHOD

- **DUCT MOUNT:** ID-WxH
- **FLANGE MOUNT:** FD-WxH



Non-standard dampers are non-returnable and cannot be cancelled.



TRI-LITE HVLS FANS

This simple high volume low speed fan design is ideal for industrial settings and provides necessary air movement up to 325,000 CFM.

Operating on a 1 HP gear motor, minimal power consumption is combined with impressive air volumes to create the highly efficient Tri-Lite HVLS Fan.

Tri-Lite HVLS fans blanket a very large area by constantly moving air to create an expansive comfort zone. As a result, the big ceiling fan can create an evaporative cooling effect of three to four degrees throughout the facility.

During the heating season, the Tri-Lite HVLS fan technology can destratify uneven temperatures that can be in excess of fifteen degrees from ceiling to floor.

This results in significant energy savings since the heating system cycles less frequently.



FEATURES

Conforms to CSA Standard 22.2# 133 and UL507

- This cost-effective alternative to traditional high volume low speed fans provides:
 - 523 CFM/Watt per 24' fan
 - 228 CFM/Watt per 16' fan
- Impressive efficiency is possible by this 3-bladed design that minimizes weight while providing continuous air movement throughout the area of influence.
- Cost Effective Alternative
- Low Power Consumption = Inexpensive Operation
- Quiet Performance
- Minimal Maintenance
- Less Weight
- Motor can be reversed for updraft or downdraft applications.

PERFORMANCE SPECIFICATIONS

MODEL NUMBER	DIAMETER	NOMINAL MOTOR	VOLTS	MAX RPM	AIR MOVEMENT	WATTS	AREA OF INFLUENCE	NOISE LEVEL	WEIGHT *
HVLS-16230460-1HP	16'	0.75 KW (1 HP) - 50 HZ/60 HZ	230/460	68	144,400 CFM	368	60'	62 dBA	226 lbs
HVLS-24230460-1HP	24'	0.75 KW (1 HP) - 50 HZ/60 HZ	230/460	57	325,000 CFM	621	140'	57 dBA	251 lbs

NOTE: Requires variable frequency drive

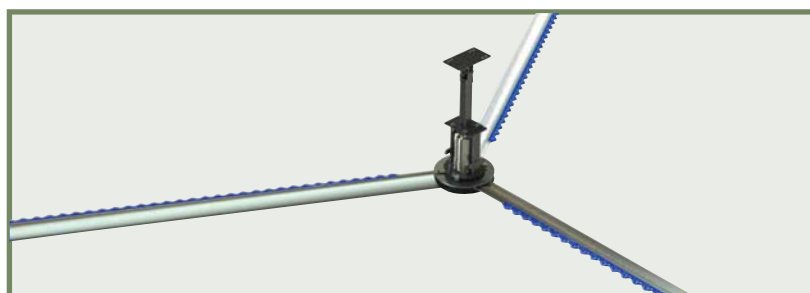
* Weight shown above includes standard 1' mount

THE TUBERCLE ADVANTAGE

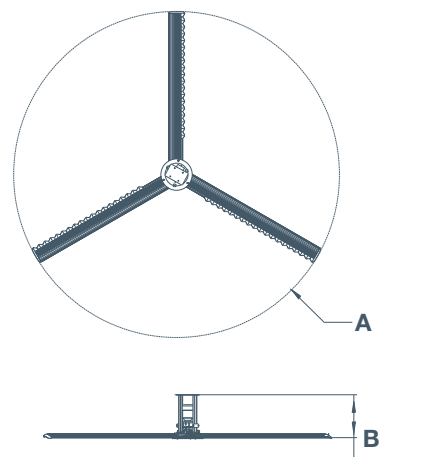
Tubercle Technology™ blades outperform all conventional airfoils.

They accomplish this by:

- Offering stall angles as high as 22°. Airfoil blades without whale power technology typically stall at about 8 degrees. Whale power allows for much more air movement with fewer blades.
- Eliminates span-wise pumping; the primary cause of efficiency loss in all rotating systems.
- Eliminates tip stalling; the primary cause of blade noise and damaging vibration.
- Lowering noise by offering Tubercle Technology's™ hyper-stability which also lowers vibrations which cause wear and tear on the blades and drive train.



DIMENSIONS



MODEL NUMBER	A	B
HVLS-16230460-1HP	185"	24"
HVLS-24230460-1HP	279.5"	24"

WINTER ENERGY SAVINGS BY HEAT DESTRATIFICATION

Everyone knows that hot air rises. Buildings with ceilings higher than 8 feet have a significant amount of stored heat at the ceiling that will transfer through the roof and be lost and wasted. The higher the ceiling, the greater amount of energy loss potential from the stored heat at the top of the building. This heat/energy loss can be significantly reduced resulting in lower energy bills by the use of Canarm Ceiling Fans.

There can be as much as 25 degrees Fahrenheit difference between floor and ceiling. Heaters will be working when the floor level temperature is 65°F and there is already 80 degree air at the ceiling ready to be recycled. (See **Figure 1**). The use of Canarm Ceiling Fans in this situation will move this hot air down from the ceiling to create a more even air temperature throughout the building resulting in a more comfortable working environment and potentially reducing your energy bills by as much as 30%. (See **Figure 2**)

SHIPPING DOOR AIR CURTAIN

Cold air entering a building and heat loss from shipping doors is a significant waste of energy in cold weather. A Canarm ceiling fan can be positioned in front of the door pushing air down and out. When the shipping door is opened, the fan helps hold back cold air and the warm air is kept in.

HOW TO CHOOSE A FAN

Ceiling fan choice and layout is based on ceiling height and the floor area of the building. As the height of the ceiling increases, larger and more powerful fans are required to achieve destratification.

The floor air coverage of a fan will be greater the higher the ceiling of the building. This is because of the natural cone shape of the air pattern produced by the fan. *HPWP models have increased floor area coverage because of more powerful motors.

Canarm provides two types of fans:

- The traditional ceiling fan, low cost, good performance, great for dry locations.
- The HPWP high performance, water resistant models - great for more demanding applications with high moisture or greater air velocity requirements. Use the chart to help choose the correct fan size/type and quantity to suit your requirements.

EXAMPLE:

What size and how many fans would be required for a building that is 100 feet wide x 200 feet long and has as ceiling height of 16 feet? A typical layout for a building is illustrated.

- By using the chart, we see that a ceiling height of 16 feet requires a CP56 (56" fan).
- Floor Area of the building = 100 feet wide x 200 feet long = 20,000 square feet.
- From the chart, we know that the Fan Floor Area. Coverage of the CP56 model is 1100 square feet at a 16 foot ceiling height.
- Therefore, the number of fans required = Floor Area of building / Fan Floor Area Coverage 20,000 square feet / 1100 square feet = 18 fans.

Note: An additional fan should be used about 10 feet in front of each shipping door to act as an air curtain and reduce heating bills in the winter.

CEILING HEIGHT (FT.)	SUGGESTED FAN	FAN FLOOR AREA COVERAGE (SQ. FT.)	
		TRADITIONAL	HPWP
10-11	CP36	600	N/A
12-13	CP48	800	950
14-15		950	1150
16-17	CP56	1100	1400
18-19		1300	1600
20-21		1450	1800
22-25	CP60	N/A	2250
26-30		N/A	2700

FIGURE 1

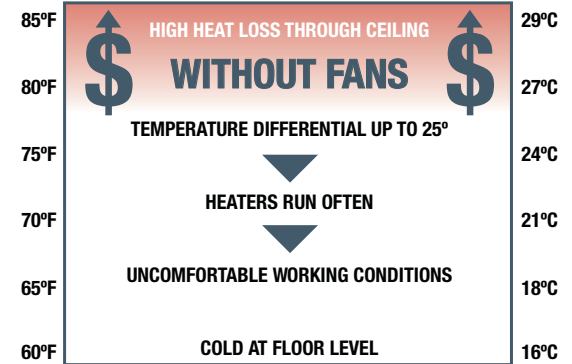
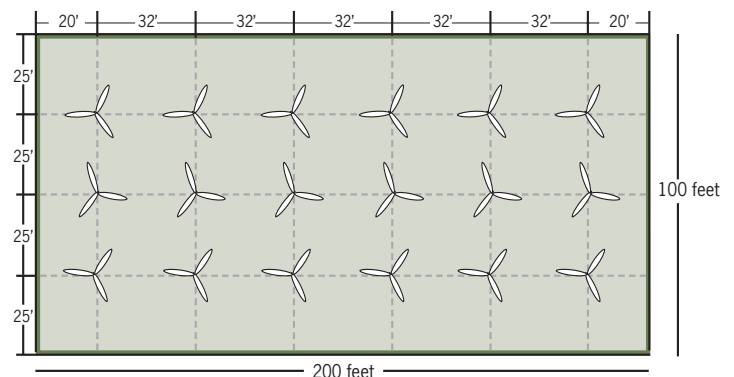
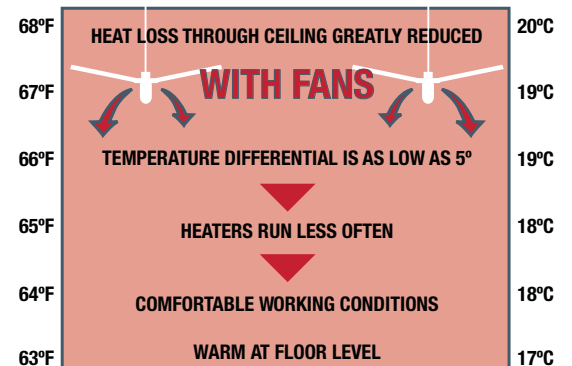


FIGURE 2





CP - COMMERCIAL CEILING FAN

Ideally suited for circulating air in Industrial and Commercial Applications. Canarm's "CP" Fans help save energy year round.

FEATURES

- Available with 36", 48" and 56" blade sweeps.
- Variable speed motor (all motors are impedance protected, PSC type variable speed with permanently lubricated ball bearing motors).
- When used with our MC series speed controls the speed range is infinite.
- Painted steel blades with curved ends deliver maximum airflow over wide areas.
- All models are reversible (exception: CP56 c/w cord & plug is downdraft only).
- Reversible motor provides both winter destratification and summer time cooling.



CP36FRBK



CP56BR

Downrods available as accessories in 8" or 36" sizes. See next page.

Black now available in 36" and 48".

MODEL NUMBER	COLOR	AIRFLOW	FAN SIZE	MAX RPM	AIR VELOCITY 5' FROM FAN	AIR DELIVERY @ FLOOR	HIGH AMPS	LOW AMPS	HIGH WATTS	LOW WATTS	DOWNROD LENGTH	SHIPPING WEIGHT (LBS.)
CP36	White	Up/Downdraft	36"	380	750 ft/min	7,100 cfm	0.7	0.25	76	28	16"	12
CP36BK	Black	Up/Downdraft	36"	380	750 ft/min	7,100 cfm	0.7	0.25	76	28	16"	12
CP48	White	Up/Downdraft	48"	320	700 ft/min	13,000 cfm	0.8	0.35	86	36	16"	16
CP48BK	Black	Up/Downdraft	48"	320	700 ft/min	13,000 cfm	0.8	0.35	86	36	16"	16
CP56 F&R	White	Up/Downdraft	56"	310	660 ft/min	20,500 cfm	0.9	0.4	97	40	16"	17
CP56S (c/w 36" downrod)	White	Up/Downdraft	56"	310	660 ft/min	20,500 cfm	0.9	0.4	97	40	36"	19
CP56 C&P c/w cord & plug, non-reversible	White	Downdraft	56"	310	660 ft/min	20,500 cfm	0.9	0.4	97	40	16"	18
CP56 BR	Brown	Up/Downdraft	56"	310	660 ft/min	20,500 cfm	0.9	0.4	97	40	16"	17
CP56FRBK	Black	Up/Downdraft	56"	310	660 ft/min	20,500 cfm	0.9	0.4	97	40	16"	18
CP56WH c/w Speed Control, Non reversible	White	Downdraft	56"	310	660 ft/min	20,500 cfm	0.9	0.4	97	40	16"	17



HPWP - HIGH PERFORMANCE CEILING FANS

Engineered and designed for general applications where above average area coverage and cooling velocity are required.

FEATURES

- Reversible motor for both winter destratification and summer time cooling
- Fans are sealed and suitable for high moisture applications.
- All high performance fans are weather resistant.
- Straight blades and heavy duty motors for higher air movement and better cooling capacity.

36" downrod available as an accessory. See next page.

MODEL NUMBER	COLOR	AIRFLOW	FAN SIZE	MAX RPM	AIR VELOCITY 5' FROM FAN	AIR DELIVERY @ FLOOR	HIGH AMPS	HIGH WATTS	DOWNROD LENGTH	SHIPPING WEIGHT (LBS.)
CP48 HPWP	White	Up/downdraft	48"	325	700 ft/min	21,000 cfm	0.63	62	16"	18
CP56 HPWP	White	Up/downdraft	56"	319	660 ft/min	27,500 cfm	0.83	100	16"	24
CP60 HPWP	White	Up/downdraft	60"	292	650 ft/min	46,000 cfm	0.84	101	16"	25



CHROME 56" INDUSTRIAL FAN

Light Duty

FEATURES

- 56" blade sweeps
- 3 metal blades
- J Hook hanger for ceiling fan approved electrical box
- 4-Speed wall control included
- Also available in black

Downrods available as accessories in 36". See below.

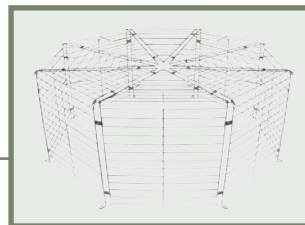
MODEL NUMBER	COLOR	AIRFLOW	FAN SIZE	MAX RPM	AIR VELOCITY 5' FROM FAN	AIR DELIVERY @ FLOOR	HIGH AMPS	LOW AMPS	HIGH WATTS	LOW WATTS	DOWNROD LENGTH	SHIPPING WEIGHT (LBS.)
NEW LIGHT COMMERCIAL												
NEW CP56CH - approved for Electrical Box c/w 4 speed wall control	Chrome	Downdraft	56"	282	200ft/min	6190 cfm	0.6	0.19	63	9	12"	16
NEW CP56BK - approved for Electrical Box c/w 4 speed wall control	Black	Downdraft	56"	282	200ft/min	6190 cfm	0.6	0.19	63	9	12"	16

FAN GUARDS & ACCESSORIES

CP93-56KD INDUSTRIAL FAN GUARD

Great for factories, farms, schools and warehouses.

- 61" W x 26" H
- Knockdown construction.
- Installs in minutes.
- Use with Canarm CP56, CP48 or CP36 ceiling fans.
- Shipping weight - 21 lbs.



R-B-CPUCLAMP

DOWNRODS & MOUNTING KIT

MODEL	DESCRIPTION
DR8CP56	8" Downrod for Industrial Ceiling Fans White - Not for HPWP models
DR36CP56	36" Downrod for Industrial Ceiling Fans White - Not for HPWP models
DR36CP56BK	36" Downrod for Industrial Ceiling Fans Black - Not for HPWP models
DR36CP56HP	36" Downrod for Industrial Ceiling Fans White - For HPWP models only
CP99	Angular Mounting Kit
DR36CP56CH-TS	Downrod for CP56CH - Chrome
R-B-CPUCLAMP	U Clamp for mounting CP fans in ceiling fan approved octagon box.

INDUSTRIAL CEILING FAN CONTROLS

MC CEILING FAN SPEED CONTROLS

- Infinite speed adjustment.
- Minimum speed adjustment screw.
- All controls are designed to fit a standard electrical box.
- Mount in a dry location such as the control room.
- CQ004 - Preferred control for areas where quiet operation is required (ie. churches).



PART #	MODEL	MAX # OF FANS PER CONTROL	VARIABLE SPEED OPERATION	POWER SUPPLY	AMPERAGE RATING	SHIPPING WEIGHT
MC CEILING FAN SPEED CONTROLS						
CN5041	MC-3	2	MANUAL	120V/1/60HZ	2.5	0.25 lbs
CN5061	MC-5	4	MANUAL	120V/1/60HZ	5	0.25 lbs
CN5101	MC-10	8	MANUAL	120V/1/60HZ	10	0.77 lbs
CN5151	MC-15	12	MANUAL	120V/1/60HZ	15	0.77 lbs
FRMC5 CEILING FAN CONTROLS						
CNFRMC5	FRMC5	4	MANUAL C/W FORWARD/REVERSE SWITCH	120V/1/60HZ	5	0.35 lbs
CQ004 - QUIET SPEED CONTROL						
CQ004	CQ004	1	OFF / HIGH / MEDIUM / LOW	120V/1/60HZ	1.25	0.25 lbs


 WALL MOUNT
BRACKET
ASSEMBLY


HVF - HIGH VELOCITY FLOOR / TABLE / WALL CIRCULATING FANS

Effectively cools large areas in Factories, Stores, Offices, Restaurants and more

Canarm/LFI's high velocity commercial fans economically provide relief from summer heat by creating a gentle air movement.

FEATURES

- Painted silver finish.
- 3 speed dial control.
- Sturdy aluminum blades.
- 14", 18" and 20" sizes available.
- Complete with 6' 120V grounded cord set.
- Convenient carrying handle/cord wrap.
- Ergonomic tilt adjustment knobs.
- Complete with wall mount bracket.
- OSHA guard.
- Easy assembly - no tools required.

PERFORMANCE SPECIFICATIONS

MODEL	BLADE DIAMETER	DESCRIPTION	DIMENSIONS	H.P.	WEIGHT (LBS)
HVF14F	14"	3 Speed Floor/Table Fan	17 3/4" W x 7" D x 17" H	1/10	11
HVF18F	18"	3 Speed Floor/Table Fan	23 3/4" W x 8 1/2" D x 21 1/2" H	1/5	18
HVF20G	20"	3 Speed Floor/Table Fan	23 3/4" W x 10 1/4" D x 23" H	1/4	24

MODEL	HIGH SPEED						MEDIUM SPEED						LOW SPEED					
	CFM	AMPS	WATTS	RPM	DB (A)	VELOCITY @ 5ft (FT/MIN)	CFM	AMPS	WATTS	RPM	DB (A)	VELOCITY @ 5ft (FT/MIN)	CFM	AMPS	WATTS	RPM	DB (A)	VELOCITY @ 5ft (FT/MIN)
HVF14F	2,000	1.02	81	1490	50	411	1,600	0.71	58	1302	50	369	1,100	0.55	46	986	45	227
HVF18F	3,800	1.90	146	1115	55	642	3,000	2.10	164	1279	60	549	2,100	2.86	223	1468	64	318
HVF20G	5,000	2.98	232	1437	62	866	4,000	2.21	164	1204	57	782	2,800	1.96	146	1050	53	675



HVRA - HIGH VELOCITY ECONOMY FAN

FEATURES

- 3 speed dial control and sturdy aluminum blades.
- Complete with 6' 120V, 2 prong (with fuse) cord.
- Convenient carrying handle.

PERFORMANCE SPECIFICATIONS

MODEL	BLADE DIAMETER	DESCRIPTION	DIMENSIONS	H.P.	WEIGHT (LBS)
HVRA12	12"	3 Speed Floor/Table Fan	15 3/4" W x 7 1/2" D x 15" H	1/10	11

MODEL	HIGH SPEED						MEDIUM SPEED						LOW SPEED					
	CFM	AMPS	WATTS	RPM	DB (A)	VELOCITY @ 5ft (FT/MIN)	CFM	AMPS	WATTS	RPM	DB (A)	VELOCITY @ 5ft (FT/MIN)	CFM	AMPS	WATTS	RPM	DB (A)	VELOCITY @ 5ft (FT/MIN)
HVRA12	1,500	0.88	71	1466	48	284	1,200	0.52	42	1275	42	254	800	0.37	30	966	40	191



LF - HIGH VELOCITY CEILING OR WALL FAN

Suitable for wet locations.

FEATURES

- Ceiling or wall mount high velocity fan.
- 18" blade diameter.
- Commercial duty 3 speed motor with pull chain control.
- All metal construction.
- 1/8 hp motor.
- Epoxy coated OSHA guard.
- 9' heavy duty 120V cord with cord wrap.
- Steel wall (ceiling) mount assembly.

PERFORMANCE SPECIFICATIONS

MODEL	SIZE	H.P.	VOLTS	AMPS	Phs	RPM	SPEED	CFM	WEIGHT (LBS)
LF18HVW	18"	1/8	120	1.45/1.35/1.27	1	1290/960/760	3	5700/4100/3200	26

CA - INDUSTRIAL GRADE CIRCULATING FANS

NOTE: CA FAN HEADS REPLACE CFH FAN HEADS

Canarm LFI's CA circulating fans economically provide relief from summer heat by creating a gentle air movement. They effectively cool large areas in factories, stores, restaurants and other public places. These fans have a low RPM motor which allows them to operate quietly.

The Floor Pedestal type fans come with a sturdy base and are supported by an adjustable tubular steel post which provides maximum stability. The Wall Mount fans are anchored with a sturdy wall bracket. There is also an optional ceiling mount.

On all fan models, the fan assembly can be tilted on a swivel bracket to direct air stream upwards or downwards. Available with oscillating motor on the pedestal and wall models.

FEATURES

- Rugged, high performance model.
- Available in 24" & 30" sizes.
- 1/4 HP, 3 speed, totally enclosed ball bearing motor with thermal overload protection.
- Fan motor RPM - 1100/950/850.
- Available with oscillating motor on the pedestal and wall models.
- Heavy gauge aluminum, well balanced fan blades.
- Air stream adjustable in all directions.
- Complete with 10', 120V grounded cord set.
- Attractive powder coated front and rear guards, meet OSHA standards.



PERFORMANCE SPECIFICATIONS

MODEL NUMBER	FAN SIZE	DESCRIPTION	CFM	VOLT	AMPS	SHIPPING WEIGHT (LBS)
HEADS ONLY						
CA24-C	24"	3 SPEED	7100/6300/5300	115	2.7	40
CA24OSC-C		3 SPEED OSCILLATING	7100/6300/5300	115	2.7	40
CA30-C	30"	3 SPEED	8300/7300/6300	115	2.7	50
CA30OSC-C		3 SPEED OSCILLATING	8300/7300/6300	115	2.7	50

QUICK REFERENCE

Use this table to make sure you order the correct fan replacement parts.

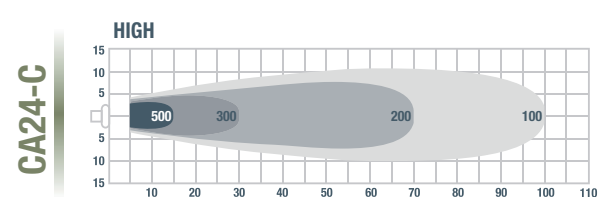
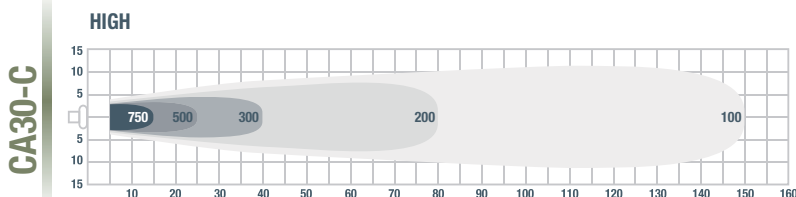
FAN HEAD MOUNTING ACCESSORIES SHOWN BELOW.

OLD MODEL	REPLACED WITH
PEDESTAL FANS - OSCILLATING	
CA24POSC-C	CA24OSC-C + CFKPB
CA30POSC-C	CA30OSC-C + CFKPB
PEDESTAL FANS - NON OSCILLATING	
CA24P-C	CA24-C + CFKPB
CA30P-C	CA30-C + CFKPB

OLD MODEL	REPLACED WITH
WALL FANS - OSCILLATING	
CA24WOSC-C	CA24OSC-C + CFWB
CA30WOSC-C	CA30OSC-C + CFWB
WALL FANS - NON OSCILLATING	
CA24W-C	CA24-C + CFWB
CA30W-C	CA30-C + CFWB

VELOCITY MAPPING CHARTS

These charts indicate the air distribution patterns of the CA fans. They are a graphic illustration of air velocity in feet per minute.



MOUNTING ACCESSORIES

MODEL	DESCRIPTION	WEIGHT (LBS)
CFKPB	KNOCK DOWN PEDESTAL BASE	36
CFWB	WALL BRACKET	6
CFCM	CEILING MOUNT (NON OSCILLATING FANS ONLY)	9

PBKD / WMKD - COMMERCIAL CIRCULATING FANS

Canarm/LFI's high velocity commercial fans economically provide relief from summer heat by creating a gentle air movement. Pedestal type fans come with a sturdy base and adjustable pole. All fans have a 3 speed motor with industrial grade aluminum blades.

FEATURES

- Commercial duty circulating fans (Knock Down).
- Painted aluminum blades.
- Standard OSHA guard.
- Motors are thermally protected.
- Available in 24" and 30" stationary and oscillating models.
- Packaged in one box, complete with mounting accessories.
- Complete with 10', 120V grounded plug.

PERFORMANCE SPECIFICATIONS

FAN SIZE	MODEL NUMBER & WEIGHT (LBS)				DESCRIPTION	H.P.	SUPPLY CFM
	PEDESTAL FAN	WEIGHT (LBS)	WALL MOUNT FAN	WEIGHT (LBS)			
24"	PBKD24-3SP	74	WMKD24-3SP	38	3 Speed	1/4	6600/5900/4900
24"	PBKD24-OSC	78	WMKD24-OSC	42	3 Speed Oscillating	1/4	6600/5900/4900
30"	PBKD30-3SP	80	WMKD30-3SP	46	3 Speed	1/4	8300/7300/6300
30"	PBKD30-OSC	84	WMKD30-OSC	49	3 Speed Oscillating	1/4	8300/7300/6300



CCU - COMMERCIAL CIRCULATING FANS

Canarm/LFI's high velocity commercial fans economically provide relief from summer heat by creating a gentle air movement. Pedestal type fans come with a sturdy base and adjustable pole. All fans have a 3 speed motor with industrial grade aluminum blades.

FEATURES

- Commercial duty circulating fans (Knock Down).
- 20" stationary models.
- Adjustable pedestal (54"-64").
- 3 speeds.
- Painted aluminum blades.
- Standard OSHA guard.
- Motors are thermally protected.
- Complete with 10', 120V grounded plug.
- 20" pedestal complete with wheel kit.

PERFORMANCE SPECIFICATIONS

MODEL	FAN SIZE	DESCRIPTION	H.P.	SUPPLY CFM	WEIGHT (LBS)
CCUP20	20"	3 Speed Pedestal Fan	1/4	6200/5200/4200	47



CD - OSCILLATING FANS

Attractive 3 speed fans that can be used for your home, office or light commercial use.



STAND FANS

- 16" model.
- Overall height is adjustable from 44" to 54".

FEATURES

- Available in desk or stand oscillating fan models.
- All models are 120 volts and come complete with cord & plug.
- Easy assembly.

PERFORMANCE SPECIFICATIONS

MODEL	FAN SIZE	DESCRIPTION	WEIGHT (LBS)
CD12OSP	12"	3 speed oscillating desk fan	8
CD16OSP	16"	3 speed oscillating desk fan	9
CD16OSPS	16"	3 speed oscillating stand fan	11



DESK FANS

- Available in 12" and 16" sizes.

HVR - DRUM FANS

For Heavy Duty Industrial/Commercial applications.
Canarm/LFI's "HVR" High Velocity Round Portable Fans circulate large volumes of air.

HVR24



FEATURES

- Heavy 18 gauge, powder coated steel housing.
- Factory balanced blade.
- Permanently lubricated, totally enclosed motors.
- 2 speed dial switch on 24" & 36" models.
- Fan drum easily pivots up for directional control with strong locking mechanism.
- Complete with 10', 120V grounded cord.
- Powder coated front and rear guards meet OSHA standards.
- Heavy duty wheel kit makes this fan easy to move.
- 5" (HVR24) and 8" (HVR36) rubber wheels with steel hubs.
- Complete with conversion kit for ceiling mount.



PERFORMANCE SPECIFICATIONS

MODEL	FAN SIZE	SPEED	H.P.	RPM	CFM	VOLTS	AMPS	WEIGHT (LBS.)
HVR24	24"	2	1/3	1100	7,000	120	1.8	43
HVR36	36"	2	1/2	825	12,000	120	4.9	103

HVR36



COMES WITH
CEILING MOUNT
CONVERSION
KIT



MCS & MCSA - HIGH STAND INDUSTRIAL MANCOOLERS

Designed to provide cooling effects to large, open areas.

PERFORMANCE SPECIFICATIONS

MCS STEEL FAN BLADE						
FAN SIZE	MODEL #		RPM	H.P.	MCS CFM	dBA @ 5 Ft
	SINGLE PHASE	THREE PHASE				
18"	MCS18T10033C	MCS18T30033C*	1140	1/3	2654	64
	MCS18T10050B	MCS18T30050B*	1750	1/2	4016	74
24"	MCS24T10075C	MCS24T30075C*	1140	3/4	6549	73
	MCS24T10100B	MCS24T30100B*	1750	1	6761	81
	MCS24T10300B	MCS24T30300B*	1750	3	9909	84
30"	--	MCS30T30150C*	1140	1.5	11600	79
	MCS30T10500B	MCS30T30500B*	1750	5	17552	90
36"	--	MCS36T30200D*	860	2	16364	80
	--	MCS36T30500C*	1140	5	21692	88
42"	--	MCS42T30500D*	860	5	24499	85
	--	MCS42T30500C*	1140	5	23209	88
48"	--	MCS48T30750D*	860	7.5	35654	89
	--	MCS48T30750C*	1140	7.5	32563	92

MCSA CAST ALUMINUM BLADE						
FAN SIZE	MODEL #		RPM	H.P.	MCSA CFM	dBA @ 5 Ft
	SINGLE PHASE	THREE PHASE				
18"	MCSA18T10033C	MCSA18T30033C*	1140	1/3	2990	60
	MCSA18T10075B	MCSA18T30075B*	1750	3/4	4590	71
24"	MCSA24T10100C	MCSA24T30100C*	1140	1	6520	69
	MCSA24T10150B	MCSA24T30150B*	1750	1.5	7660	72
	MCSA24T10300B	MCSA24T30300B*	1750	3	11500	79
30"	MCSA30T10100C	MCSA30T30100C*	1140	1	8680	69
	--	MCSA30T30150C*	1140	1.5	11800	73
	MCSA30T10300B	MCSA30T30300B*	1750	3	13300	78
	MCSA30T10500B	MCSA30T30500B*	1750	5	18200	82
36"	--	MCSA36T30200C*	1140	2	14000	76
	--	MCSA36T30300C*	1140	3	19400	77
	MCSA36T10500B	MCSA36T30500B*	1750	5	16200	78
	MCSA36T10750B	MCSA36T30750B*	1750	7.5	21500	85
42"	--	MCSA42T30200D*	860	2	19200	73
	--	MCSA42T30300D*	860	3	23210	75
	--	MCSA42T30500C*	1140	5	25500	79
	--	MCSA42T30750C*	1140	7.5	30690	81
	--	MCSA42T31000B*	1750	10	26700	86
48"	--	MCSA48T30500D*	860	5	29820	78
	--	MCSA48T30750D*	860	7.5	35700	80
	--	MCSA48T31000C*	1140	10	39500	84
	--	MCSA48T31500C*	1140	15	47300	86

For three phase motors, substitute "*" with "M" for 230/460 volt (If 208V required please specify) or "P" for 575 volt
dBA ratings shown are measured at 0" static pressure and should be used as a guideline only.

OPTIONS

- Junction box installed on the outside of the fan body.

FEATURES

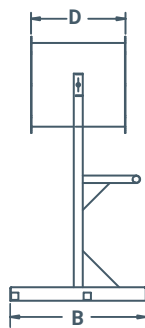
- Drums and motor supports are constructed of heavy gauge steel.
- TEFC continuous duty, ball bearing motors are standard.
- All models are direct drive and available with steel blades or cast aluminum blades.
- Heavy duty, concentric circle, OSHA wire guards are standard on all sizes.
- Consult factory for availability of explosion-proof motors.
- Casters and lift handle are standard, allowing easy maneuverability.
- Fan flow direction on the tube section can easily be rotated 180°.

Note Non-stock, made-to-order products are non-returnable and cannot be cancelled.

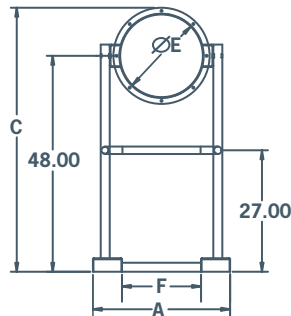
DIMENSIONS

FAN SIZE	A	B	C	D	E (Tube I.D.)	F
18"	30 1/2"	30 1/4"	58 2/3"	21"	18 3/8"	17 4/7"
24"	36 1/2"	30 1/4"	61 2/3"	21"	24 3/8"	23 4/7"
30"	42 1/2"	30 1/4"	64 2/3"	21"	30 3/8"	29 4/7"
36"	--	--	67 2/3"	27"	36 3/8"	--
42"	--	--	70 2/3"	32"	42 3/8"	--
48"	--	--	73 2/3"	32"	48 3/8"	--

Side View



Front View





MCU & MCUA - LOW STAND INDUSTRIAL MANCOOLERS

Designed to provide cooling effects to large, open areas.

PERFORMANCE SPECIFICATIONS

		MCU STEEL FAN BLADE					
		MODEL #		RPM	H.P.	MCS CFM	dBA @ 5 Ft
		SINGLE PHASE	THREE PHASE				
FAN SIZE	12"	MCU12T10033C	MCU12T30033C*	1140	1/3	940	53
		MCU12T10033B	MCU12T30033B*	1750	1/3	1422	65
	18"	MCU18T10025C	MCU18T30025C*	1140	1/3	2654	64
		MCU18T10050B	MCU18T30050B*	1750	1/2	4016	74
	24"	MCU24T10075C	MCU24T30075C*	1140	3/4	6549	73
		MCU24T10100B	MCU24T30100B*	1750	1	6761	81
		MCU24T10300B	MCU24T30300B*	1750	3	9909	84
	30"	--	MCU30T30150C*	1140	1.5	11600	79
		MCU30T10500B	MCU30T30500B*	1750	5	17552	90
	36"	--	MCU36T30200D*	860	2	16364	80
		--	MCU36T30500C*	1140	5	21692	88
	42"	--	MCU42T30500D*	860	5	24499	85
		--	MCU42T30500C*	1140	5	23209	88
	48"	--	MCU48T30750D*	860	7.5	35654	89
		--	MCU48T30750C*	1140	7.5	32563	92

FEATURES

- Drums and motor supports are constructed of heavy gauge steel.
- TEFC continuous duty, ball bearing motors are standard.
- All models are direct drive and available with steel blades or cast aluminum blades.
- Heavy duty, concentric circle, OSHA wire guards are standard on all sizes.
- Consult factory for availability of explosion-proof motors.

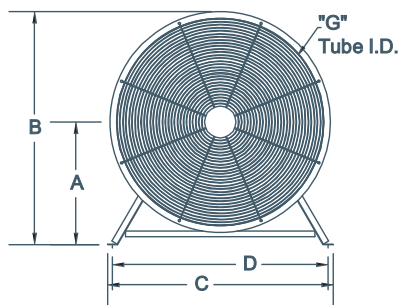


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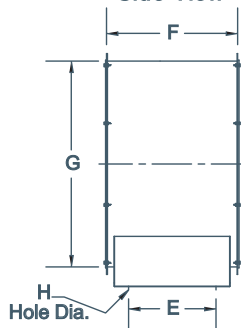
DIMENSIONS

FAN SIZE	A	B	C	D	E	F	G	H (Hole Diameter)
12"	10 1/4"	18"	16"	14"	10"	17"	12"	7/16"
18"	13 1/4"	24"	23"	21"	11"	18"	18 3/8"	7/16"
24"	16 1/4"	30"	28 1/2"	26 1/2"	13"	21"	24 3/8"	1/2"
30"	19 1/4"	36"	34 1/2"	32 1/2"	13"	21"	30 3/8"	1/2"
36"	22 7/8"	42 5/8"	40 1/2"	38 1/2"	19"	27"	36 3/8"	1/2"
42"	25 3/8"	48 1/8"	46 1/2"	44 1/2"	21"	27"	42 3/8"	5/8"
48"	28 9/16"	55"	53 1/4"	51 1/4"	23"	31"	48 3/8"	5/8"

Front View



Side View



MCUA CAST ALUMINUM BLADE

		MODEL #		RPM	H.P.	MCSA CFM	dBA @ 5 Ft
		SINGLE PHASE	THREE PHASE				
FAN SIZE	12"	MCUA12T10033C	MCUA12T30033C*	1140	1/3	1450	58
	18"	MCUA18T10033C	MCUA18T30033C*	1140	1/3	2990	60
		MCUA18T10075B	MCUA18T30075B*	1750	3/4	4590	71
	24"	MCUA24T10100C	MCUA24T30100C*	1140	1	6520	69
		MCUA24T10150B	MCUA24T30150B*	1750	1.5	7660	72
		MCUA24T10300B	MCUA24T30300B*	1750	3	11500	79
	30"	MCUA30T10100C	MCUA30T30100C*	1140	1	8680	69
		--	MCUA30T30150C*	1140	1.5	11800	73
		MCUA30T10300B	MCUA30T30300B*	1750	3	13300	78
		MCUA30T10500B	MCUA30T30500B*	1750	5	18200	82
	36"	--	MCUA36T30200C*	1140	2	14000	76
		--	MCUA36T30300C*	1140	3	19400	77
		MCUA36T10500B	MCUA36T30500B*	1750	5	16200	78
		MCUA36T10750B	MCUA36T30750B*	1750	7.5	21500	85
	42"	--	MCUA42T30200D*	860	2	19200	73
		--	MCUA42T30300D*	860	3	23210	75
		--	MCUA42T30500C*	1140	5	25500	79
		--	MCUA42T30750C*	1140	7.5	30690	81
		--	MCUA42T31000B*	1750	10	26700	86
	48"	--	MCUA48T30500D*	860	5	29820	78
--		MCUA48T30750D*	860	7.5	35700	80	
--		MCUA48T31000C*	1140	10	39500	84	
--		MCUA48T31500C*	1140	15	47300	86	

For three phase motors, substitute "*" with "M" for 230/460 volt (If 208V required please specify) or "P" for 575 volt

dBA ratings shown are measured at 0" static pressure and should be used as a guideline only.

OPTIONS

- Junction box installed on the outside of the fan body.

MCY & MCYA - YOKE MOUNT INDUSTRIAL MANCOOLERS

Designed for superior cooling effects for large, open areas.



FEATURES

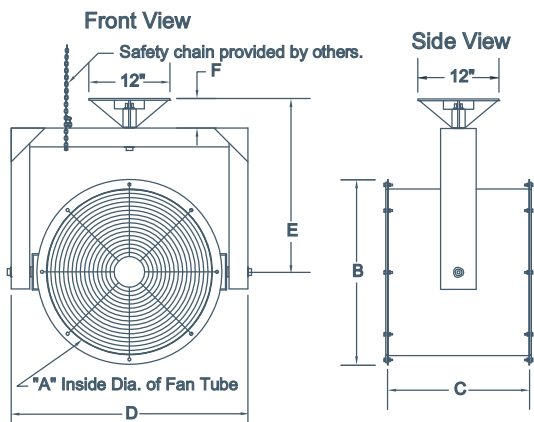
- Drums and motor supports are constructed of heavy gauge steel.
- TEFC continuous duty, ball bearing motors are standard.
- All models are direct drive and available with steel blades or cast aluminum blades.
- Heavy-duty, concentric circle, OSHA wire guards are standard on all sizes.
- Fan section can pivot on both the horizontal and vertical axis.
- Consult factory for availability of explosion-proof motors.



Non-stock, made-to-order products are non-returnable and cannot be cancelled.

DIMENSIONS

FAN SIZE	A	B	C	D	E	F
18"	18 3/8"	20 7/8"	18"	29"	24"	4 1/2"
24"	24 3/8"	27 3/8"	21"	35"	25 5/8"	4 1/2"
30"	30 3/8"	33 3/8"	21"	41 1/4"	30 1/4"	4 1/2"
36"	36 3/8"	39 3/8"	27"	47 5/16"	33 1/4"	4 1/2"



PERFORMANCE SPECIFICATIONS

MCY STEEL FAN BLADE						
FAN SIZE	MODEL #		RPM	H.P.	MCY CFM	dBA @ 5 Ft
	SINGLE PHASE	THREE PHASE				
18"	MCY18T10033C	MCY18T30033C*	1140	1/3	2654	64
	MCY18T10050B	MCY18T30050B*	1750	1/2	4016	74
24"	MCY24T10075C	MCY24T30075C*	1140	3/4	6549	73
	MCY24T10100B	MCY24T30100B*	1750	1	6761	81
	MCY24T10300B	MCY24T30300B*	1750	3	9909	84
30"	--	MCY30T30150C*	1140	1.5	11600	79
	MCY30T10500B	MCY30T30500B*	1750	5	17552	90
36"	--	MCY36T30200D*	860	2	16364	80
	--	MCY36T30500C*	1140	5	21692	88

MCYA CAST ALUMINUM BLADE						
FAN SIZE	MODEL #		RPM	H.P.	MCYA CFM	dBA @ 5 Ft
	SINGLE PHASE	THREE PHASE				
18"	MCYA18T10033C	MCYA18T30033C*	1140	1/3	2990	60
	MCYA18T10075B	MCYA18T30075B*	1750	3/4	4590	71
24"	MCYA24T10100C	MCYA24T30100C*	1140	1	6520	69
	MCYA24T10150B	MCYA24T30150B*	1750	1.5	7660	72
	MCYA24T10300B	MCYA24T30300B*	1750	3	11500	79
30"	MCYA30T10100C	MCYA30T30100C*	1140	1	8680	69
	--	MCYA30T30150C*	1140	1.5	11800	73
	MCYA30T10300B	MCYA30T30300B*	1750	3	13300	78
	MCYA30T10500B	MCYA30T30500B*	1750	5	18200	82
36"	--	MCYA36T30200C*	1140	2	14000	76
	--	MCYA36T30300C*	1140	3	19400	77
	MCYA36T10500B	MCYA36T30500B*	1750	5	16200	78
	MCYA36T10750B	MCYA36T30750B*	1750	7.5	21500	85

For three phase motors, substitute "*" with "M" for 230/460 volt (If 208V required please specify) or "P" for 575 volt
dBA ratings shown are measured at 0" static pressure and should be used as a guideline only.

OPTIONS

- Junction box installed on the outside of the fan body.

All 3 phase motors now VFD compatible!

NEW

CANARM BRANDED AC TEFC MOTORS

From a Trusted name in Ventilation...

You Know Canarm as Canada's leading manufacturer of Ventilation equipment. Canarm also imports a number of competitively priced Electric motors that are ideal for use on axial fans and blowers.

Canarm electric motors are available in a variety of horsepower ranges and frame sizes to fit your application.

All motors are CSA approved for use in Canada and the United States.



FEATURES

- Totally enclosed fan cooled (TEFC) or open drip proof (DDP)
- Ball bearing
- Thermally protected (where indicated below).
- F Class insulation.
- 40°C ambient temperature rated
- Available in single or three phase
- Single speed only
- All 3 phase units now VFD compatible

PERFORMANCE SPECIFICATIONS

Canarm Model #	HP	PH	RPM	VOLTS	Frame	ENCL	SF	HZ	Capacitor (Run or Start or CSCR)	Thermal Protection	Mount	Premium Efficiency	CSA/CSAus
SINGLE PHASE TEFC													
1M111-C	1/3	1	1800	115/230V	56C	TEFC	1.15	60	CSCR	MANUAL	Rigid Base + C-Face	NO	CSA/CUS
1M112-C	1/2	1	1800	115/230V	56C	TEFC	1.15	60	CSCR	MANUAL	Rigid Base + C-Face	NO	CSA/CUS
1M113-C	3/4	1	1800	115/230V	56C	TEFC	1.15	60	CSCR	MANUAL	Rigid Base + C-Face	NO	CSA/CUS
1M114-C	1	1	1800	115/230V	56C	TEFC	1.15	60	CSCR	MANUAL	Rigid Base + C-Face	NO	CSA/CUS
1M115-C	1.5	1	1800	115/230V	56C	TEFC	1.15	60	CSCR	MANUAL	Rigid Base + C-Face	NO	CSA/CUS
1M116-C	2	1	1800	115/230V	56HC	TEFC	1.15	60	CSCR	MANUAL	Rigid Base	NO	CSA/CUS
1M117-C	3	1	1800	208-230V	182T	TEFC	1.15	60	CSCR	MANUAL	Rigid Base	NO	CSA/CUS
1M118W-C	5	1	1800	208-230V	184T	TEFC	1.15	60	CSCR	NO	Rigid Base	NO	CSA/CUS
1M119-C	7.5	1	1800	208-230V	213T	TEFC	1.15	60	CSCR	NO	Rigid Base	NO	CSA/CUS
1M120-C	10	1	1800	208-230V	215T	TEFC	1.15	60	CSCR	NO	Rigid Base	NO	CSA/CUS
NEW ODP MOTORS 60 HZ													
1MD008-C	1/8	1	1800	115/230	48	ODP	1	60	RUN	AUTO	T Bolt and Rigid Base	NO	CSA/CUS
1MD110-C	1/4	1	1800	115/230	48	ODP	1	60	RUN	AUTO	T Bolt and Rigid Base	NO	CSA/CUS
1MD111-C	1/3	1	1800	115/230	48	ODP	1	60	RUN	AUTO	T Bolt and Rigid Base	NO	CSA/CUS
1MD112-48	1/2	1	1800	115/230	48	ODP	1	60	RUN	AUTO	T Bolt and Rigid Base	NO	CSA/CUS
1MD113-48	3/4	1	1800	115/230	48	ODP	1	60	RUN	AUTO	T Bolt and Rigid Base	NO	CSA/CUS
1MD114-C	1	1	1800	115/208-230	56	ODP	1.15	60	CSCR	MANUAL	C-Face and Rigid Base	NO	CSA/CUS
1MD115-C	1.5	1	1800	115/208-230	56	ODP	1.15	60	CSCR	MANUAL	C-Face and Rigid Base	NO	CSA/CUS
1MD116-C	2	1	1800	115/208-230	56	ODP	1.15	60	CSCR	MANUAL	C-Face and Rigid Base	NO	CSA/CUS
NEW VFD COMPATIBLE 3 PHASE MOTORS													
3M211-V	1/3	3	1800	230/460V	56C	TEFC	1.15	60	NO	NO	Rigid Base + C-Face	NO	CSA/CUS
3M212-V	1/2	3	1800	230/460V	56C	TEFC	1.15	60	NO	NO	Rigid Base + C-Face	NO	CSA/CUS
3M213-V	3/4	3	1800	230/460V	56C	TEFC	1.15	60	NO	NO	Rigid Base + C-Face	NO	CSA/CUS
3M214-V	1	3	1800	230/460V	56HC	TEFC	1.15	60	NO	NO	Rigid Base + C-Face	NO	CSA/CUS
3M215-V	1.5	3	1800	208-230/460V	56	TEFC	1.15	60	NO	NO	Rigid Base	YES	CSA/CUS/CC
3M216-V	2	3	1800	208-230/460V	56	TEFC	1.15	60	NO	NO	Rigid Base	YES	CSA/CUS/CC
3M217-V	3	3	1800	208-230/460V	182T	TEFC	1.15	60	NO	NO	Rigid Base	YES	CSA/CUS/CC
3M218-V	5	3	1800	208-230/460V	184T	TEFC	1.15	60	NO	NO	Rigid Base	YES	CSA/CUS/CC
3M219-V	7.5	3	1800	208-230/460V	213T	TEFC	1.15	60	NO	NO	Rigid Base	YES	CSA/CUS/CC
3M220-V	10	3	1800	208-230/460V	215T	TEFC	1.15	60	NO	NO	Rigid Base	YES	CSA/CUS/CC

WARRANTY

- 1 year warranty

CARBON MONOXIDE DETECTOR

CTS-M5160 CARBON MONOXIDE DETECTOR

CTS-M5160 is a microprocessor based transmitter that detects carbon monoxide and activates relays when the set concentration is met. The **CTS-M5160** can be set for rising or falling carbon monoxide levels.

- Attaches to a standard 2" x 4" electrical box
- Programmable delay (0 - 60 minutes in 5 minute increments)
- Input Power: 24V
- Sensor Type: Electromechanical
- Sensor Life: 2 - 3 years
- Relay: Two, SPDT, 1 amp dry contact

PRINCIPLES OF OPERATION

Electrochemical gas sensors are micro-fuel cells designed to be maintenance free and stable for long periods. Gas continuously enters the self-contained cell through a flow limiting diffusion barrier. The target gas reacts within the electrolyte creating a microamp current flow between the electrodes. No fluid replenishment is required as these cells are not self-consuming. The cell electrodes degrade with time resulting in a typical working life of 2 to 3 years.

The CTS-M5 transmitter is powered by a nominal 24 V external power supply in a two-wire connection. It transmits a 4-20 mA, 2-10 V, or an RS-485 signal over the calibrated range of the sensor selected. The transmitter is factory configured and calibrated for the sensor selected when ordered as a complete assembly. This universal transmitter accepts any of the listed sensors into a plug-in socket on the board. Calibration is achieved through a simple zero and span adjustment using the appropriate calibration gas concentration for the sensor installed.

THERMOSTATS

K-KONTROL THERMOSTATS

Great for use on XF and UF10-G fans!

- Single KJ16110, portable single KP16110 and two KT16110 stage models.
- Reliable Johnson thermostats, low cost.
- Moisture proof box.
- Convenient flip open cover, stainless steel coil and portable hanger.
- Use anywhere portable model - simply plug control into outlet and then the device into the control.
- Two stage model for two stages of heating and/or cooling or two speed fans.
- Single and two stage models: 16 Amp rating at 120V; 8 Amp rating at 240V.
- Portable model: 16 Amp rating at 120V.
- Ideal for 120V fans & heaters.

TF115 - SUNNE THERMOSTATS

- Single stage thermostat for heating or cooling.
- NEMA 4 enclosure, stainless steel coil, multi-position mounting.
- Large, easy to read, 40° - 100° F dial
- 16 Amp rating at 120V; 12 Amp rating at 240V.

RANCO THERMOSTATS

- Single T1NEMA4D1 and two stage T2NEMA4D1 models.
- NEMA 4 enclosure, easy to read LCD display, lockout switch.
- Programmable differential (1 to 30° F).
- Wide operating range (-30° to 220° F), user selectable F/C°.
- 8' temperature probe included (extendable to 400').
- Two stage model for two stages of heating and/or cooling or two speed fans.
- 10 Amp rating at 120V; 5 Amp rating at 240V.



TWO SPEED CONTROL



TS15 CONTROL

- Manual control for 2 speed fans.
- High/low/off SPDT switch.
- For dry locations.
- 15 Amp rating at 115V; 10 Amp rating at 230V

MANUAL VARIABLE SPEED CONTROLS

MC CONTROLS

Great for use on AX, SD, DFRC and AXC fans!

- Minimum speed adjustment screw.
- Designed to fit a standard 3" x 5" electrical box.
- Mount in a dry location.
- Now available in 230V/1/60HZ.
- Ideal for use on variable speed SD Standard Exhaust fans, AX, DFRC and AXC fans (not for use with single speed motors).

For Industrial ceiling fan controls please see page 78.



MODEL	POWER SUPPLY	AMPERAGE RATING
MC-3	120V/1/60HZ	2.5
MC-5		5.0
MC-10		10.0
MC-15		12.0
MC5-230	230V/1/60HZ	5.0

MSC-4 VARIABLE SPEED CONTROL

- One variable speed output (12.5 FLA).
- Adjustable high/low settings.
- ON/OFF switch.
- May also be used as a light dimmer to power up to five, 250 Watt brooder lamps.
- 115 or 230V AC operation.
- Overload protection fuse (15 Amp 250V AC).
- Rugged enclosure (corrosion and water resistant and fire retardant).



AUTOMATIC VARIABLE SPEED CONTROL

MTC-4C MODULATING TEMPERATURE CONTROL

- The control will automatically vary the speed of the fan to hold the set temperature.
- One variable output (10 FLA).
- Two control knobs, one for set temperature, one for adjusting the minimum speed.
- Continues to run at minimum speed or change the internal shunt to have the fan turn off at minimum speed setting.
- 2°F off set-back for auto shut off.
- 6°F temperature differential.
- One foot temperature probe.
- 115 or 230V AC operation.
- Adjustable 40 - 90°F temperature set point.
- Overload protection fuse (15A, 250V AC).



VFD - B SERIES

Variable Speed AC Motor Drives

Variable Frequency Drives (VFD's) can cut energy use dramatically when needs are less than full motor capacity.

FEATURES

- Volt/Hertz, Sensorless vector & Closed loop vector control
 - All VFD-B drives have/are:
 - Nema1 rated enclosures
 - Constant Torque rated
 - UL, cUL & CE approved
 - Programmable (0 ~ 2000Hz) for high speed applications.
 - The output current is adjustable up to 120% of the drive's nominal capacity.
 - All "240/1/60" models also accept three phase input.
 - Inputs: 11 digital (4 dedicated & 7 programmable) & 3 analog.
 - Outputs: 4 digital, 1 analog and 1 digital frequency output.
 - RS-485 communication port, standard protocol Modbus RTU & ASCII.
 - B series drives have built-in dynamic braking transistors up to 15HP.
 - 230 1 Phase (up to 3 HP); 240V 3 Phase (up to 50 HP); 480V 3 Phase (up to 100 HP); 575V 3 Phase (up to 100 HP).
- Please see accompanying price pages for more information.



REQUIRES A VFD
COMPATIBLE
AC MOTOR



REQUIRES A
VFD
COMPATIBLE
AC MOTOR

VFD - LENZE SERIES

Variable Frequency Multi-Function Micro Drive

Flexible, simple, economical.

FEATURES

The SMVector is a highly competitive AC drive. Its performance, simplicity and flexibility make it an attractive solution for a broad range of applications including: Food processing machinery, Packaging machinery, Material handling/conveying systems and HVAC systems.

The SMVector is the right choice when you need it all – performance, power, packaging (NEMA Type 1 (IP31) Enclosure) and intuitive programming.

Superior Performance

- Modes of Operation:
 - V/Hz and Enhanced V/Hz(Constant and Variable)
 - Vector Speed or Torque Control
- Dynamic Torque Response
- Sophisticated Auto-tuning (Motor Calibration)
- Impressive Low Speed Operation
- Sequencer with 16 Programmable Segments

Flexible Power Ranges: 120/230V 1Ø (up to 1.5 Hp), 200/230V 1/3Ø (up to 3 Hp), 200/230V 3Ø (up to 20 Hp), 400/480 and 575V 3Ø (up to 60 Hp)

Simplicity - Intuitive User Interface - Electronic Memory Module (EPM)



EL1/3-25A



DS1/3-30A



KG1-2P1PH



DISCONNECT SWITCHES

FEATURES

- Can be used as Manual Motor Control
- Lockout Capable

MODEL	DESCRIPTION	AMP	POLES	HP RATING			
				120V AC	240V AC	480V AC	600V AC
EL1/3-25A	Single or three phase moisture resistant - IP65	25	3	3	7.5	15	20
DS1/3-30A	Single or Three PH Disconnect NEMA 3R (30303D)	30	3	3	7.5	15	20
KG1-2P1PH	Single phase only! Non-reversing, toggle operation Nema 1 (2510KG1)	30	2	2	2	--	--

Controls / Operators



MULTI PRODUCTS



BELIMO ACTUATORS

MANUFACTURER	MODEL	DESCRIPTION	MAX. DAMPER SQ. FT.		VOLTAGE
			WITH SEALS	NO SEALS	
CHAIN OPERATOR	CHAINOP	MANUAL OPEN/MANUAL CLOSE	N.A.	N.A.	N.A.
LOCKING QUADRANT	2V100	MANUAL OPEN / MANUAL CLOSE	N.A.	N.A.	N.A.
MULTI PRODUCTS	2W100-115/230	POWER OPEN SPRING RETURN	3.0	6	115/230V AC
	2W104	POWER OPEN SPRING RETURN	3.0	6	24V AC
BELIMO	LF24	POWER OPEN SPRING RETURN	4.0	8	24V AC/DC
	LF24-S	POWER OPEN SPRING RETURN C/W AUX. SWITCH	4.0	8	24V AC/DC
	LF24-SR	MODULATING POWER OPEN SPRING CLOSE	4.0	8	24V AC/DC
	LF120	POWER OPEN SPRING RETURN	4.0	8	120V AC
	LF120-S	POWER OPEN SPRING RETURN C/W AUX. SWITCH	4.0	8	120V AC
	LF230	POWER OPEN SPRING RETURN	4.0	8	230V AC
	LF230-S	POWER OPEN SPRING RETURN C/W AUX. SWITCH	4.0	8	230V AC
	NFB24-SR	MODULATING POWER OPEN SPRING CLOSE	7.5	15	24V AC/DC
	NFBUP	POWER OPEN SPRING RETURN	7.5	15	24/120/230V AC/DC
	NFBUP-S	POWER OPEN SPRING RETURN C/W AUX. SWITCH	7.5	15	24/120/230V AC/DC
	AF24-SR	MODULATING POWER OPEN SPRING CLOSE	17.5	35	24V AC/DC
	AFBUP	POWER OPEN SPRING RETURN	17.5	35	24/120/230V AC/DC
	AFBUP-S	POWER OPEN SPRING RETURN C/W AUX. SWITCH	17.5	35	24/120/230V AC/DC



KHG603 HEAVY DUTY INDOOR TIMER

Wall Mount

CONTROL



3-Way Relay Control

7 Day Programming

CONTROL

FEATURES

- 3 way relay control
- Automatic or manual operation
- Program up to 18 On/Off settings per week
- Large digital LCD display
- Built-in memory
- Multiple daily settings
- Standard decorator style wall plate included

SPECIFICATIONS

MAXIMUM LOAD	15A RESISTIVE, 1200W TUNGSTEN
MOTOR LOAD	1/2HP

KHG602 RELAY CONTROL TIMER

Wall Mount



Single Pole

Up to 60 Minute Time Delay

CONTROL



FEATURES

- In-wall relay control
- Seven button preset time switch
- Replaces a standard light or fan, single pole switch
- Works with most common lighting types
- For use in interior lighting and outdoor lighting
- Time delay: 1, 5, 10, 20, 30, 60 minutes
- Standard decorator wall plate included

SPECIFICATIONS

MOTOR	1/2 HP
INCANDESCENT	1200W @ 120VAC
FLUORESCENT	800VA @120VAC



KHG601 MOTION ACTIVATED SENSOR

Wall Mount

CONTROL



Single Pole

150° / 980 Square Feet Coverage

FEATURES

- Passive infrared relay control
- Turns lights on/off
- Manual On/Off setting allows use as a regular switch
- Time delay off setting is adjustable from 15 seconds to 30 minutes
- Adjustable sensitivity settings
- Standard decorator wall plate included

SPECIFICATIONS

MOTOR	1/8 HP @120VAC
COVERAGE	150°, 980 SQUARE FEET
INCANDESCENT	500W @ 120VAC
FLUORESCENT	500VA @ 120VAC

Ceiling Fans



Chandeliers / Pendants



Vanity Lights



Flush / Semi-Flush Mounts



Outdoor Lights



Wall Lights



Recessed Lights



LED Disk Lights



Canarm has a long and successful history supplying lighting and ceiling fans, to the Specialist Lighting, Hardware, Home Improvement and Commercial market sectors. We have worked diligently in creating a comprehensive selection of styles and designs as well as maintaining high standards of quality and value.

For more information on

CANARM LIGHTING & CEILING FANS

Contact your Sales Representative to request a catalogue or visit our web-site at www.canarm.com



Fluorescents



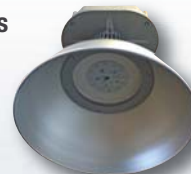
Bulbs



LED Tape Lights



High Bay Lights



Undercabinet Lights



Track Lighting



Portables





October 2016

Specifications subject to change without notice.
Due to limitations with the printing process, the products illustrated are representative
only of the actual products.
Printed in Canada



CANARM.... PROVIDING CUSTOMERS WITH VALUE, KNOWLEDGE AND QUALITY PRODUCTS

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