

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.

For Performance Specifications please see next page.

FEATURING PERFECT SPEED EC MOTORS - UP TO 82% EFFICIENCY

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



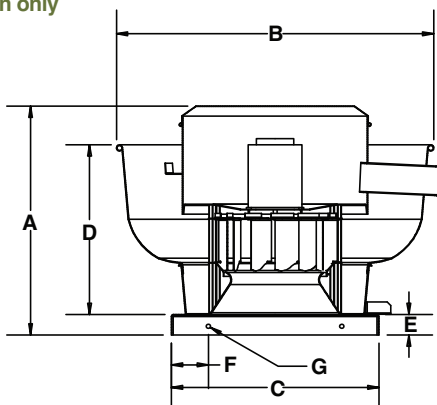
FEATURES

- 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 090/105/120/135
- 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

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
** UL705 Only



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 base (curb cap) 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 C 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

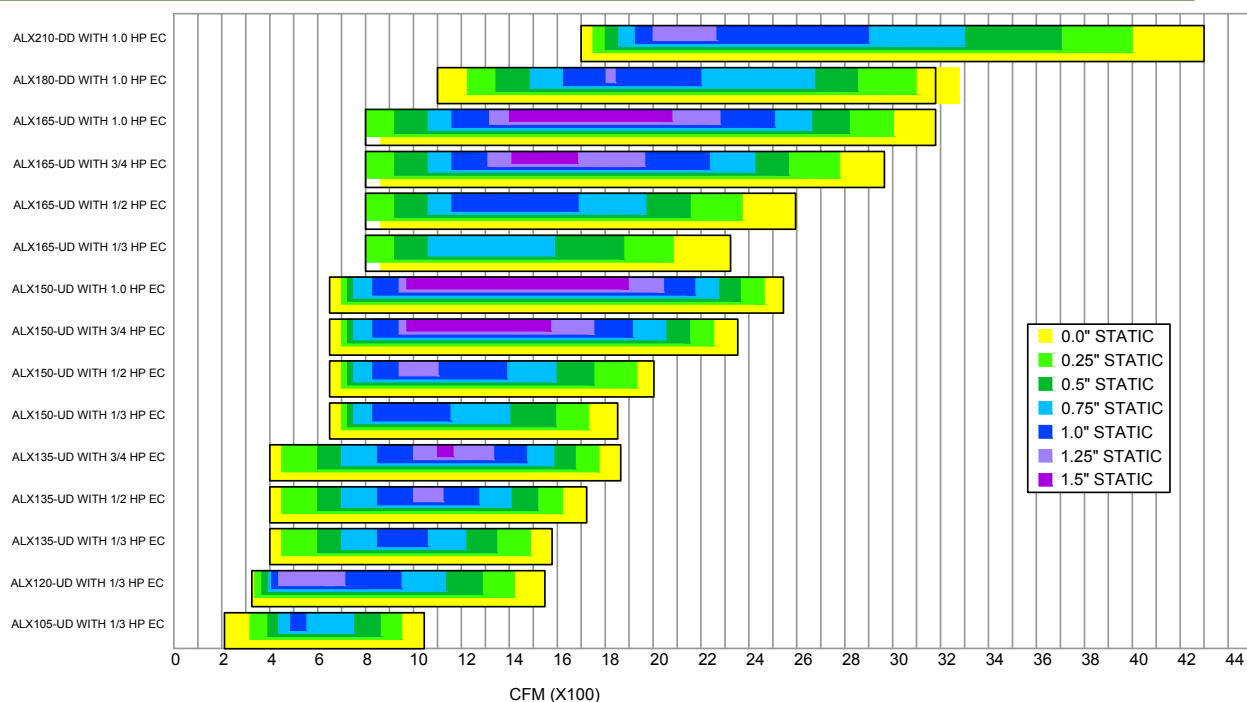
UNIT	MOTOR			AIRFLOW (CFM) @ STATIC PRESSURE															
	HP	VARIABLE SPEED	MAX. RPM	0.0"		.25"		.5"		.75"		1.00"		1.25"		1.5"		2.0"	
				High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
ALX090-UD008V***	1/12	Y	1650	525	275	425	100	340	100	-	-	-	-	-	-	-	-	-	-
ALX105-UD013V	1/8	Y*	1650	950	526	850	451	725	300	-	-	-	-	-	-	-	-	-	-
ALX105-UD033EC	1/3	Y	1800	1051	217	954	319	866	393	732	440	534	483	-	-	-	-	-	-
ALX120-UD033V	1/3	Y*	1650	1400	977	1300	826	1175	751	1050	601	850	451	-	-	-	-	-	-
ALX120-UD050EC	1/2	Y	1800	1548	325	1422	336	1282	367	1133	395	947	408	633	438	-	-	-	-
ALX135-UD075S	3/4	N	1650	1950	-	1900	-	1800	-	1650	-	1550	-	1400	-	1300	-	-	-
ALX135-UD033EC	1/3	Y	1350	1578	400	1491	450	1346	600	1212	700	1053	850	-	-	-	-	-	-
ALX135-UD050EC	1/2	Y	1550	1850	400	1775	450	1650	600	1525	700	1375	850	1200	1000	-	-	-	-
ALX135-UD075EC	3/4	Y	1750	2100	400	2000	450	1900	600	1800	700	1700	850	1575	1000	1450	1100	-	-
ALX150-UD100S	1	N	1650	2450	-	2375	-	2275	-	2150	-	2050	-	1875	-	1700	-	-	-
ALX150-UD033EC	1/3	Y	1100	1735	600	1594	579	1403	663	1157	767	-	-	-	-	-	-	-	-
ALX150-UD050EC	1/2	Y	1350	2003	581	1934	688	1754	680	1595	733	1389	823	1114	765	-	-	-	-
ALX150-UD075EC	3/4	Y	1550	2353	696	2261	711	2161	733	2048	674	1917	827	1751	940	1574	980	1269	1052
ALX150-UD100EC	1	Y	1700	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-UD050EC	1/2	Y	1200	2595	861	2372	800	2155	921	1970	1068	1687	1155	-	-	-	-	-	-
ALX165-UD075EC	3/4	Y	1350	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	3400	1100	3200	1225	3000	1350	2700	1475	2400	1625	2025	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)
** Using MC10 (for 115V or MC5-230 (for 230V)
*** UL705 Only

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 UPBLAST SERIES AIRFLOW RANGE WITH EC MOTORS



UL762 LISTED PRODUCTS AND REQUIREMENTS

(Kitchen Exhaust)



WHAT IS UL762?

Power ventilators for restaurant exhaust appliances covered by these requirements are intended for installation in accordance with the Standard of the National Fire Protection Association for the Installation of Equipment for the Removal of Smoke and Grease-Laden Vapors from Commercial Cooking Equipment, NFPA 96.

Power ventilators for restaurant appliances shall comply with the Standard for Power Ventilators, UL 705, modified in that wiring system shall not be located in the path of travel of exhaust products.

REQUIREMENTS

REQUIREMENT	ALX SERIES***		BI-RM		HRE	
	STANDARD	ACCESSORY	STANDARD	ACCESSORY	STANDARD	ACCESSORY
Designed for removal of smoke and/or grease laden air	●		●		●	
Air temperatures up to 300°F	●		●		●	
Access for cleanout	●		●		●	
Grease drain	●		●		●	
Grease collection box		●		●		●
Minimum 500 FPM airflow in duct**	●		●		●	
Vented roof curb extending discharge minimum 40" above roofline		●		N/A*		●
Curb hinge		●		N/A		●

* must be mounted to extend outlet minimum 40" above roofline

** based on standard Canarm configurations with Motors and Drives, LMLD models must refer to Delair for minimum RPM to reach 500 FPM

*** only upblast ALX can be UL762

ALX090-UD (UL705 only)

UL762 LISTED PRODUCTS



ALX SERIES (upblast models only)



BI-RM SERIES



HRE SERIES