

HIGH PERFORMANCE • LOW COST MAINTENANCE • LOW COST INSTALLATION

IDEALLY SUITED FOR POULTRY, SWINE, DAIRY AND GREENHOUSE APPLICATIONS

FEATURES

- The patented design provides excellent performance without a cone.
- All fans are supplied completely assembled and are tested before shipping.
- Chop & Spray design with smooth inside for improved cleaning.
- Self draining, sloped housing is quick and easy to clean reducing maintenance costs.
- T-Mount belt drive system provides quick, easy access to motor & blade.
- Belt drive units are supplied complete with belt tensioner and easily accessible, high quality rubber belt.
- All fans have smooth operating, easy to clean, tie-bar poly shutters with stainless steel frame.
- 36" and 50" belt drive fans.
- 18", 24" and 36" direct drive fans.
- Also available with EC motor.

NOW AVAILABLE WITH
EC MOTORS
for energy savings



OPTIONS

- Special order black housings available.
- 3 phase motor 208-230/460 volt option available on some units.

ACCESSORIES

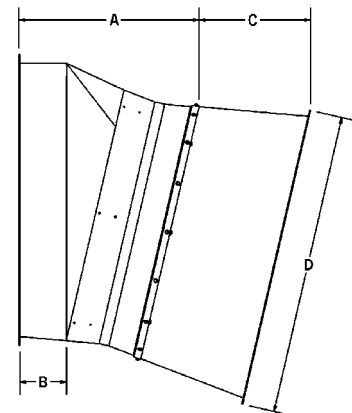
- Performance enhancing cone on 24" and larger fans.
- FRP board winter inserts with unique double seal.
- 240V cord kit accessory available.

BACK VIEW



DIMENSIONS

FAN SIZE	FRAMING DIMENSIONS						
	FAN		CONE		HEIGHT		
	A	B	C	D	All Walls	4" & 6" Wall	9" Wall
18"	28	9	-	-	24.75	24.75	25.25
24"	31	9	19	33	31	31	31.5
36"	34	9	21	47	43	43	43.5
50"	44	9	25	64	57	57	57.5



WARRANTY

- 10 years on housings
- 1 year on balance of fan

CANARM LTD. - Corporate Office
PO Box 367 2157 Parkedale Ave.,
Brockville, ON
Canada K6V 5V6
Tel: (613) 342-5424 Fax: 1-800-263-4598

Arthur Manufacturing Facility
#7686 Concession 16, RR 4
Arthur, ON
Canada N0G 1A0
Tel: (519) 848-3910 Fax: (519) 848-3948

Montréal Warehouse
2555 Rue Bernard Lefebvre
Laval, QC
Canada H7C 0A5
Tel: (450) 655-2535 Fax: (450) 665-0910

CANARM LTD. - USA Warehouse
808 Commerce Park Drive
Ogdensburg, New York,
USA 13669
Tel: 1-800-267-4427 Fax: 1-800-263-4598

www.canarm.com
Subject to Change without notice.

agsales@canarm.ca
Printed in Canada

SPECIFICATIONS

		Specifications							Model Number Specify * bulk pak or single	TESTED AT	Test Code	Performance												
		motor						blade mat'l				rpm	DbA	cone	0.00" SP		0.05" SP			0.10" SP		test code & report	test code	AFR
		type	speed	hp	voltage	phs	hz								cfm	cfm/w	cfm	cfm/w	amps	cfm	cfm/w			
BELT DRIVE	50"	high eff.	single	1.0	230	1	60	galv.	FG50B		00071	610	77	Y	28000	25.2	26500	22.1	5.50	24800	19.5	B00071	B	0.78
											00072			N	25900	22.5	24400	20.0	5.70	22800	17.7	B00072	B	0.79
		high eff.	single	1.0	230	1	60	galv.	FG50		00066	578	-	Y	25900	27.1	24100	23.5	-	22400	20.5	00066		0.75
											00773			N	24500	24.5	22900	21.4	-	21100	18.9	00773		0.75
		high eff.	single	1.5	115/230	1	60		FG50H		00061	630	-	Y	28200	22.7	26700	20.3	-	25200	18.1	00061	B	0.81
											00056			N	26800	20.0	25300	18.1	-	24000	16.4	00056	B	0.82
DIRECT DRIVE	36"	high eff.	single	1.0	230	1	60	galv.	FG36H		02201	850	80	Y	17010	18.5	16200	17.5	4.90	15340	15.6	02201		0.79
											02200			N	16000	16.6	15210	15.2	5.00	14400	14.0	02200		0.80
		high eff.	single	1/2	115/230	1	60	galv.	FG36		00080	850	75	Y	12300	26.1	11300	22.5	2.47	10500	19.5	B00080	B	0.71
											00075			N	11400	22.5	10600	19.4	2.63	9800	17.2	B00075	B	0.71
	24"	high eff.	vari	1/3	115/230	1	50/60	6-poly	FG24CV		210114V	1100	75	Y	6350	15.3	6000	14.2	1.92	5750	13.3	C210114V	C	0.80
											210107V			N	5850	13.6	5600	13.0	1.93	5200	12.3	C210107V	C	0.70
	18"		vari	1/3	115/230	1	60	6-poly	FG18CV		--	1075	65	Y	cone is not available									
											--			N	TBA									

Model Codes: 3 =three phase, A=aluminum blade, B=Blue Ribbon, H=high output, BD=36"belt drive, BD4=3/4"hp 36" belt, V=variable speed, C=corrosion resistant

Notes: AFR is the airflow ratio. Higher AFR indicates better performance under static pressure or against wind. It is calculated by dividing fan cfm at 0.20 static pressure by cfm at 0.05 sp.

Sound level measured 5 ft. in front of fan discharge.

Amps measured at highest voltage. Amps at lower voltage approximately doubled.

* Request 200 volt motor for 208 volt 3 phase applications.

** Fan was tested at 230 volts with 4.20 amps, at 460 volts it will be 2.10 amps.



Where Indicated

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.

GUARANTEED PERFORMANCE

Canarm guarantees the performance of our fans. All fans with test numbers will perform as indicated when properly maintained (reports are available upon request). Our fans are tested in our AMCA fig 15 test chamber. The test chamber was designed and built to exacting AMCA/ASHRE standards for Canarm. A regimented calibration and verification schedule is followed. Be assured, Canarm fans provide the performance you require and expect.

CANARM LTD. - Corporate Office
PO Box 367 2157 Parkedale Ave.,
Brockville, ON
Canada K6V 5V6
Tel: (613) 342-5424 Fax: 1-800-263-4598

Arthur Manufacturing Facility
#7686 Concession 16, RR 4
Arthur, ON
Canada N0G 1A0
Tel: (519) 848-3910 Fax: (519) 848-3948

Montréal Warehouse
2555 Rue Bernard Lefebvre
Laval, PC
Canada H7C 0A5
Tel: (450) 655-2535 Fax: (450) 665-0910

CANARM LTD. - USA Warehouse
808 Commerce Park Drive
Ogdensburg, New York,
USA 13669
Tel: 1-800-267-4427 Fax: 1-800-263-4598

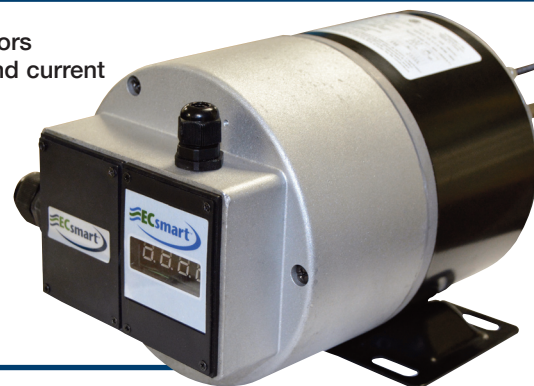
www.canarm.com
Subject to Change without notice.

agsales@canarm.ca
Printed in Canada

THE FIRST AND ONLY MOTOR OF ITS KIND IN THE AGRICULTURAL INDUSTRY

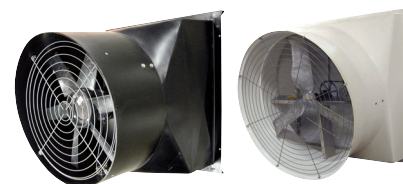
Our ECsmart Motor is an Electronically Commutated Motor. EC motors are electric motors that have permanent magnets on the rotor and use electronics to control the voltage and current applied to the motor.

Canarm brings you our latest innovation - the ECsmart motor featuring patent pending electronics. The result is an **ENERGY EFFICIENT** motor that runs **COOLER** than any other in the industry.



FEATURES

- The First EC motor that can be varied with existing 0-10v signal.
- Provides feedback for ventilation management.
- Can be retrofitted in any existing fan.
- Can be controlled by existing controls.
- Testing has confirmed power savings of 25-75%.
- ECsmart motors run cooler, virtually eliminating winding failures and increasing lifespan on the motor.
- Tested at BESS labs in our PLF and FG series fans.



PLF & FG models now available with EC motors.
See back page for details.

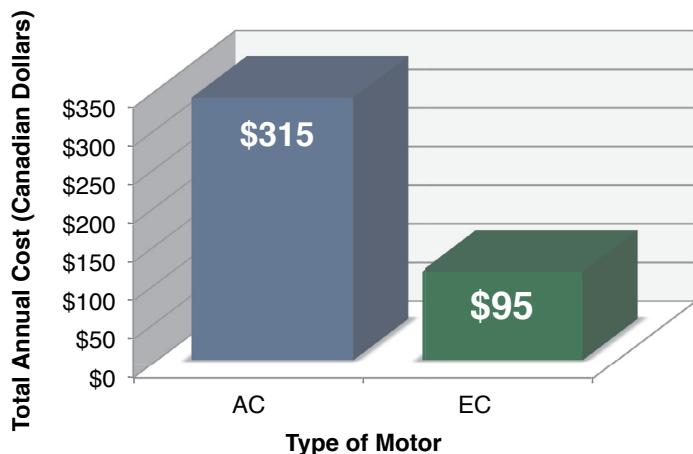
WARRANTY

Comes with a **FULL 5 YEAR** warranty.

EC VS. REGULAR MOTOR

Cost Savings (running at 60% speed)

Results show cost savings of a typical 24" fan using a regular motor vs a 24" fan using the ECsmart motor over a period of 365 days.



	FULL SPEED	60% SPEED
Typical AC Motor	536 W	324 W
ECsmart Motor	462 W	98 W
Input Cost of kWh	\$0.19	\$0.19
Input # hours per day	14 hrs/day	14 hrs/day
Total Annual Cost AC Motor	\$520.40	\$314.57
Total Annual Cost ECsmart Motor	\$448.56	\$95.15
Annual Savings by switching to ECsmart	\$71.84	\$219.42

Costs shown in Canadian dollars



PLF-EC SERIES

- Roto-molded impact resistant black polyethylene housings with UV prohibitors.
- Platform mount
- Easy to remove shutter assembly, complete with aerodynamic tie-bar poly louvers with stainless steel shutter frame and louver pin.
- Corrosion proof airfoil polypropylene blades on 12" to 24" sizes.
- Warranty: 5 years on plastic housing.
- Also available with our standard motor.

NOW AVAILABLE WITH
EC MOTORS
for energy savings



For complete product information, please see PLF Fans in Exhaust Fan section.

		Specifications					Model	TESTED AT	Test Code	Performance																Rough Opening Required		
		Motor				Shutter Frame				Blade mat'l	0.05"SP								0.1"SP									
											Running @ 100%				Running @ 60%				Running @ 100%				Running @ 60%					
		type	spd	volt	hp	rpm				cfm	cfm/w	amps	rpm	cfm	cfm/w	amps	rpm	cfm	cfm/w	amps	rpm	cfm	cfm/w	amps				
Direct	18"	Leeson	Variable	230	1/3	Stainless Steel	Plastic	PLF18-EC		16722	N	1850	3270	9.6	2.8	1004	730	11.5	0.60	1850	3000	9.2	2.7	1004	410	6.1	0.65	21.25" Sqr
	24"	Leeson		PLF24-EC				16725	N	1846	6390	9.6	5.06	983	2080	21.2	0.93	1846	6090	9.2	5.04	983	1230	12.5	0.92	27.25" Sqr		
	36"	Canarm	230	3/4	Stainless Steel	Galvanized	PLF36-EC		16731	N	900	12850	14.3	6.56	564	6400	22.0	2.44	900	11530	13	6.46	564	4640	14.2	2.68	40.25" Sqr	
									16732	Y	900	14700	16.2	6.66	564	6680	25.2	2.25	900	13430	14.7	6.68	557	5070	16.2	2.59		

FG-EC SERIES

- The patented design provides excellent performance without a cone.
- Chop & Spray design with smooth inside for improved cleaning and air flow.
- Self draining, sloped housing is quick and easy to clean reducing maintenance costs.
- All fans have smooth operating, easy to clean, tie-bar poly shutters with stainless steel frame.
- Platform mount.
- Corrosion proof airfoil polypropylene blades on 12" to 24" sizes.
- Warranty: 10 years on housings
- Also available with our standard motor.

For complete product information, please see FG Fans in Exhaust Fan section.

NOW AVAILABLE WITH
EC MOTORS
for energy savings



		Specifications				Model	TESTED AT	Test Code	Performance																Rough Opening Required		
		Motor							0.05"SP								0.1"SP										
									Running @ 100%				Running @ 60%				Running @ 100%				Running @ 60%						
		type	spd	volt	hp				Shutter Frame	Blade mat'l	rpm	cfm	cfm/w	amps	rpm	cfm	cfm/w	amps	rpm	cfm	cfm/w	amps	rpm	cfm		cfm/w	amps
Direct	18"	Leeson	230	1/3	Stainless Steel	Plastic	FG18-EC		16729	N	1400	3330	10.8	2.5	820.0	780	12.6	0.59	1400	3110	10.4	2.5	820.0	560	8.8	0.61	24.75" Sqr
	24"	Leeson		1/2			FG24-EC		16727	N	1250	5660	8.9	4.77	652	1870	22.5	0.82	1250	5360	8.7	4.61	652	1090	13.0	0.83	31" Sqr
	36"	Canarm	230	3/4	Stainless Steel	Galvanized	FG36-EC		16730	N	900	14940	16.5	6.56	564	7920	31.1	2.17	900	14060	15.2	6.69	564	6040	21.1	2.38	43" Sqr
									16733	Y	900	15860	18.1	6.44	564	8200	33.3	2.10	900	15010	16.5	6.56	564	6190	23.1	2.29	