

VENTILATION

FIBERGLASS FANS

Reliable performance **COMPETITIVE VALUE**

A main contributor to stress and low bird weight is a poorly ventilated poultry house. Cumberland fiberglass exhaust fans are the perfect solution with superior airflow and reliable performance.



Mega Flow 58C Fans

Get powerful ventilation from our highest performing fan featuring a spring* loaded butterfly door design with a magnetic locking mechanism for a complete seal.

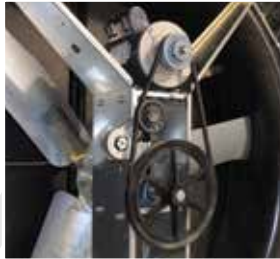
- 58" diameter fan with non-corrosive fiberglass reinforced composite venturi and housing
- Tight sealing butterfly door design reduces air leakage and light infiltration
- Preassembled butterfly doors and standardized fasteners make assembly quick and efficient



NON-CORROSIVE COMPOSITE CONE AVAILABLE.



Rigid x-wing motor mount design and reinforced corner bracing



Standard, automatic belt tensioner and large, cast iron, greasable pillow block bearings



Flush mount design allows retrofit over wall openings from 57.5" to 63"

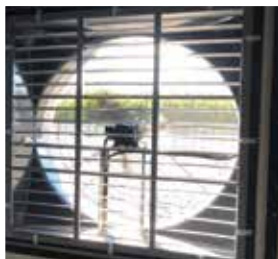
Commander Fans

36" or 54" Commander direct drive fans are built for high efficiency and high output with remote access through your EDGE® control system.

- Variable speed reduces total fan energy costs by adjusting airflow as needed for optimal comfort
- Low maintenance and 75% less wearable parts; no belts, pulleys or grease
- Single and three phase power supplies
- 0-10 volt or 10-0 volt input for speed control of the fan



CORROSION RESISTANT ALUMINUM MOTOR MOUNTS, STAINLESS STEEL HARDWARE AND PROPS.



Efficiency class IE5, permanent magnet motor offers better speed control compared to induction type motors.



The Optidrive™ provides precise motor control and energy savings using the custom programs for each Commander fan.



Pair your Commander fans with an EDGE® controller for complete system management and remote access capability.

58C FAN PERFORMANCE VALUES

Part#	Type	.10 Static Pressure		.15 Static Pressure		.20 Static Pressure		Air Flow Ratio	Bess Labs Test No.	Power
		CFM	CFM/Watt	CFM	CFM/Watt	CFM	CFM/Watt			
77-0185	High Flow	30,000	20.5	28,300	18.6	26,200	16.7	0.83	17305	230V, 60Hz, 1PH
77-0183	High Efficiency	26,700	22.6	24,800	20.3	22,500	17.9	0.78	17304	230V, 60Hz, 1PH
77-0188	High Flow	29,400	20.6	27,600	18.5	25,700	16.7	0.83	17211	230V, 60Hz, 3PH
77-0189	High Efficiency	27,100	22.8	25,000	20.2	23,000	18.0	0.80	17210	230V, 60Hz, 3PH

54" COMMANDER - PVC SHUTTER

230 VAC 60 Hz - Single Phase

Bess Lab Test 18575

Speed	0.10"		0.15"		AFR
	CFM	CFM/Watt	CFM	CFM/Watt	
100%	32,700	15.4	31,500	14.3	0.89
98% (HO)	31,900	16.0	30,800	14.9	0.89
90%	29,200	18.6	27,800	17.0	0.86
87% (HR)	28,100	19.6	26,600	17.9	0.84
80%	25,300	22.3	23,600	19.9	0.80
78% (HE)	24,600	23.1	22,700	20.5	0.78
70%	20,900	26.8	18,300	22.6	0.65
60%	16,000	31.6	10,500	20.9	0.32
50%	8,200	26.4	N/A	N/A	N/A

54" COMMANDER - ROLLSEAL® SHUTTER

230 VAC 60 Hz - Single Phase

Bess Lab Test 18576

Speed	0.10"		0.15"		AFR
	CFM	CFM/Watt	CFM	CFM/Watt	
100%	34,100	16.5	32,900	15.2	0.89
98% (HO)	33,400	17.1	32,000	15.8	0.88
90%	30,300	19.9	28,800	18.1	0.85
87% (HR)	29,200	20.9	27,600	18.9	0.84
80%	26,400	24.2	24,700	21.6	0.80
78% (HE)	25,600	25.0	23,700	22.2	0.79
70%	22,200	29.6	19,900	25.3	0.71
60%	17,300	35.3	14,300	28.0	0.40
50%	12,400	40.5	N/A	N/A	N/A

More ventilation fan options from Cumberland.



The 54" belt driven, single speed **Competitor Series Fan*** features a 1.75 HP motor capable of moving up to 30,000 cubic feet of air per minute. Other features include stainless steel prop, 1" drive train, automatic belt tensioner, and large diameter pulleys with greasable pillow block bearings.

* SHOWN WITH OPTIONAL FIBERGLASS DISCHARGE CONE.



Available in 36" and 50", the **Performer Series Fan*** features rough composite fiberglass propellers engineered with a true airfoil design that increases the overall efficiency of the fan. Heavy duty 56-frame TEAO motors, 1" drive train, automatic belt tensioner, and large diameter pulleys with greasable pillow block bearings promote extended life.



For more information, contact your Cumberland representative or visit cumberlandpoultry.com