Commander Fans

Take Command of Your Ventilation System

Plan your next ventilation strategy with the AP 36” or 54” Commander direct drive fans build for high efficiency, high output, and remote access through your EDGE® control system.

Durable fiberglass and poly cone options

High performance, permanent magnet motor runs cool to the touch and supplies constant torque to the propeller.

Industry leading drive allows for the use of failsafe relays or back-up thermostats as required.

Command Performance with Variable Speed Precision

ALUMINUM MOTOR MOUNTS, STAINLESS STEEL HARDWARE AND NON-CORROSIVE PROPS

- 36” and 54” models available
- Single and three phase power supplies
- 0-10 volt or 10-0 volt input for speed control of the fan
- Reduces total fan energy costs
- Fiberglass and poly cone options
- RollSeal® offerings maintain efficiency and increase performance
- Low maintenance
  - No Belts
  - No Pulleys
  - No Grease

HIGH PERFORMANCE, PERMANENT MAGNET ELECTRIC MOTOR DESIGN

- Each fan model covers all performance and efficiency options
- Optistick and Smart Phone App allow for easy parameter changes and simplified diagnostics
- Reduced wiring costs, no need for control relay to engage fan
- User defined RPM when failsafe mode is engaged by backup thermostat or relay
- High performance permanent magnet motor runs cool to the touch and supplies constant torque to the propeller.
- Output on drive to monitor motor current

Pair your Commander fans with EDGE control to gain maximum ventilation efficiency and performance with remote access and complete system management

EDGE will maintain optimum performance from high efficiency levels to maximum ventilation levels on depending on the ventilation demands on the systems. No need to choose which model fan suits your needs, the combination of EDGE and Commander fans encompass all high efficiency to high output requirements.

When connected to an EDGE control system you can remotely monitor the system and see the current draw of each Commander fan. The industry leading drive allows for the use of failsafe relays or backup thermostats as required.

36" COMMANDER ROLLSEAL® SHUTTER

230 VAC 60 Hz
Single Phase Power

Bess Lab Test 18583

1207 RPM	AFR	0.93
Static Pressure	Airflow	Efficiency
0.00	16,380	16.06
0.05	15,380	14.33
0.10	15,330	13.74
0.15	14,790	12.70
0.20	14,290	11.80
0.25	13,750	10.99
0.30	13,220	10.25
1080 RPM	AFR	0.88
Static Pressure	Airflow	Efficiency
0.00	14,700	20.30
0.05	14,020	18.26
0.10	13,500	16.85
0.15	12,960	15.67
0.20	12,310	14.28
0.25	11,570	13.04
0.30	10,900	12.08
960 RPM	AFR	0.84
Static Pressure	Airflow	Efficiency
0.00	12,960	25.46
0.05	12,310	22.75
0.10	11,680	20.60
0.15	10,960	18.42
0.20	10,310	16.79
0.25	9,350	15.01
0.30	8,090	13.13
840 RPM	AFR	0.76
Static Pressure	Airflow	Efficiency
0.00	11,440	33.35
0.05	10,550	28.28
0.10	9,780	24.76
0.15	8,940	21.70
0.20	7,980	18.95
0.25	6,410	15.63
0.30	3,870	9.60
720 RPM	AFR	0.53
Static Pressure	Airflow	Efficiency
0.00	9,580	43.74
0.05	8,710	36.14
0.10	7,870	30.98
0.15	6,620	25.17
0.20	4,610	18.15
601 RPM	AFR	N/A
Static Pressure	Airflow	Efficiency
0.00	8,010	61.15
0.05	6,960	47.03
0.10	5,650	35.99

36" COMMANDER PVC SHUTTER

230 VAC 60 Hz
Single Phase Power

Bess Lab Test 18582

1207 RPM	AFR	0.91
Static Pressure	Airflow	Efficiency
0.00	15,700	14.83
0.05	15,220	13.71
0.10	14,800	12.85
0.15	14,350	12.12
0.20	13,840	11.32
0.25	13,280	10.58
0.30	12,680	9.84
1080 RPM	AFR	0.88
Static Pressure	Airflow	Efficiency
0.00	14,080	18.72
0.05	13,520	17.11
0.10	13,000	15.85
0.15	12,480	14.80
0.20	11,860	13.66
0.25	11,120	12.47
0.30	10,300	11.46
960 RPM	AFR	0.82
Static Pressure	Airflow	Efficiency
0.00	12,450	23.53
0.05	11,830	21.20
0.10	11,260	19.41
0.15	10,630	17.75
0.20	9,740	15.79
0.25	8,740	14.03
0.30	7,430	12.12
840 RPM	AFR	0.71
Static Pressure	Airflow	Efficiency
0.00	10,790	29.97
0.05	10,170	26.76
0.10	9,380	23.57
0.15	8,430	20.46
0.20	7,210	17.33
0.25	5,150	12.53
0.30	3,490	8.19
720 RPM	AFR	0.42
Static Pressure	Airflow	Efficiency
0.00	9,120	40.00
0.05	8,280	33.80
0.10	7,220	27.45
0.15	5,650	21.48
0.20	3,510	13.35
601 RPM	AFR	N/A
Static Pressure	Airflow	Efficiency
0.00	7,400	52.86
0.05	6,260	39.87
0.10	4,540	28.92

54" COMMANDER ROLLSEAL® SHUTTER

230 VAC 60 Hz
Single Phase Power

Bess Lab Test 18576

708 RPM	AFR	0.89
Static Pressure	Airflow	Efficiency
0.00	36,500	19.22
0.05	35,200	17.60
0.10	34,100	16.51
0.15	32,900	15.24
0.20	31,400	14.06
0.25	30,100	13.12
0.30	28,500	12.12
0.35	26,800	11.13
0.40	25,000	10.20
0.45	22,500	9.11
0.50	19,100	7.85
693 RPM	AFR	0.88
Static Pressure	Airflow	Efficiency
0.00	35,600	19.79
0.05	34,600	18.57
0.10	33,400	17.15
0.15	32,000	15.83
0.20	30,600	14.66
0.25	29,000	13.48
0.30	27,200	12.28
617 RPM	AFR	0.85
Static Pressure	Airflow	Efficiency
0.00	32,300	25.78
0.05	31,900	24.06
0.10	30,300	21.64
0.15	28,800	19.70
0.20	27,200	17.94
0.25	25,200	16.09
0.30	23,200	14.47
554 RPM	AFR	0.79
Static Pressure	Airflow	Efficiency
0.00	28,900	32.15
0.05	27,400	28.45
0.10	25,600	25.00
0.15	23,700	22.19
0.20	21,700	19.51
0.25	19,000	16.64
0.30	15,100	13.33
425 RPM	AFR	0.40
Static Pressure	Airflow	Efficiency
0.00	22,200	54.55
0.05	20,000	43.86
0.10	17,300	35.31
0.15	14,300	27.98
0.20	7,900	15.55

54" COMMANDER PVC SHUTTER

230 VAC 60 Hz
Single Phase Power

Bess Lab Test 18575

708 RPM	AFR	0.89
Static Pressure	Airflow	Efficiency
0.00	35,200	17.90
0.05	33,900	16.49
0.10	32,700	15.34
0.15	31,500	14.26
0.20	30,300	13.35
0.25	28,800	12.30
0.30	27,100	11.33
0.35	25,300	10.42
0.40	23,300	9.48
0.45	20,600	8.34
0.50	15,900	6.62
693 RPM	AFR	0.89
Static Pressure	Airflow	Efficiency
0.00	34,400	18.63
0.05	33,200	17.24
0.10	31,900	15.98
0.15	30,800	14.89
0.20	29,400	13.75
0.25	27,800	12.68
0.30	26,200	11.70
617 RPM	AFR	0.84
Static Pressure	Airflow	Efficiency
0.00	30,700	23.45
0.05	29,500	21.53
0.10	28,100	19.58
0.15	26,600	17.85
0.20	24,900	16.12
0.25	22,800	14.38
0.30	20,400	12.68
554 RPM	AFR	0.78
Static Pressure	Airflow	Efficiency
0.00	27,800	29.20
0.05	26,200	25.89
0.10	24,600	23.12
0.15	22,700	20.51
0.20	20,500	18.00
0.25	17,100	14.72
0.30	11,900	10.37
422 RPM	AFR	0.32
Static Pressure	Airflow	Efficiency
0.00	20,800	47.06
0.05	18,800	39.09
0.10	16,000	31.62
0.15	10,500	20.92
0.20	6,000	10.93

Certified by BESS LAB University of Illinois

Commander Fans

PVC Shutters

AP shutters can provide an easy and affordable means of controlling incoming light and building climate. The true airfoil design of the shutter blades allows for very little performance loss in airflow. Low maintenance and easy to clean.

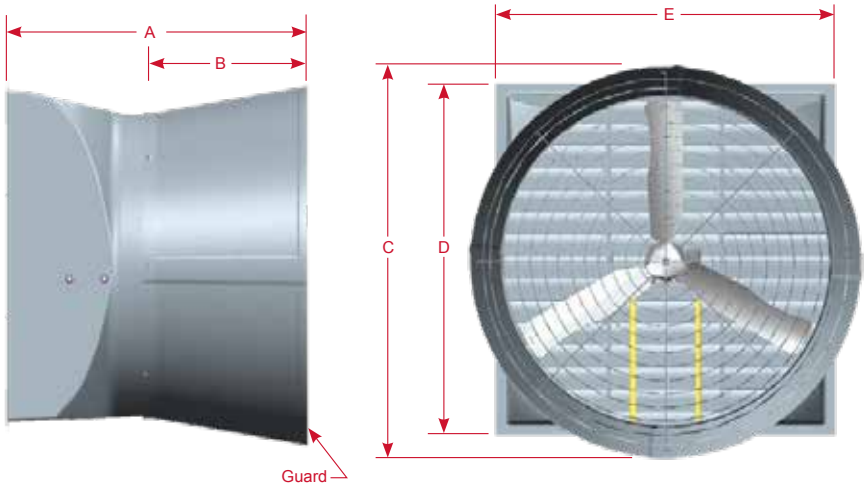
RollSeal® Shutters

The 2-ply flexible RollSeal shutter provides an exellent source of insulation with a positive seal for greater efficiency. The patented sealing system provides excellent wind load resistance. Available for both 36" and 54" Commander fans.

Commander Fan Dimensions

Diameter	H.P.	A	B	C	D	E	Recommended Wall Opening
36"	1.5	54.5"	26.75"	44.375"	46.75"	46.75"	44.5" x 44.5"
54"	3	57.5"	28.95"	65"	64"	62"	58" x 60.5"

54" Commander fan center to center spacing on wall with cone: 65"



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