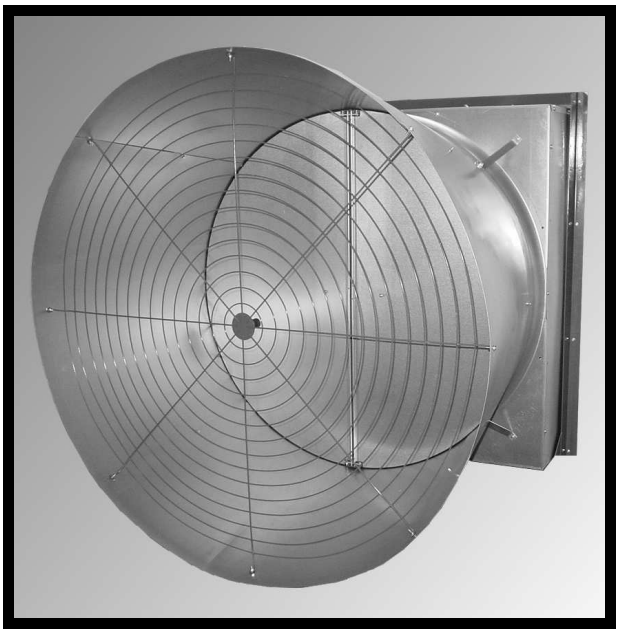
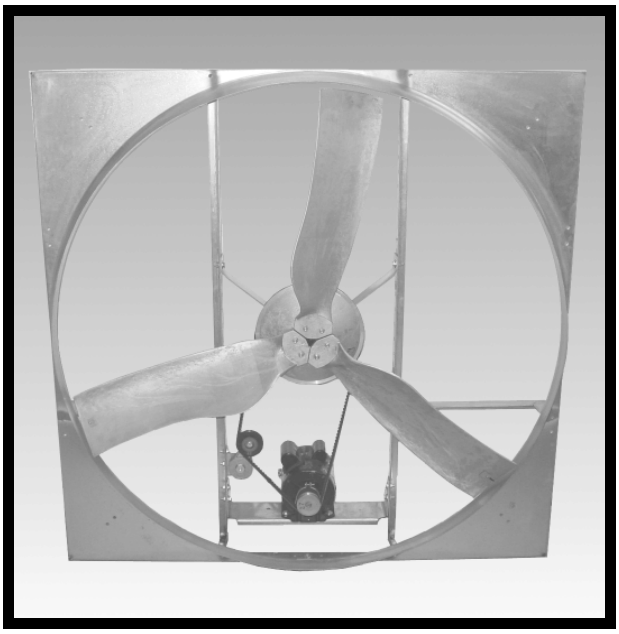
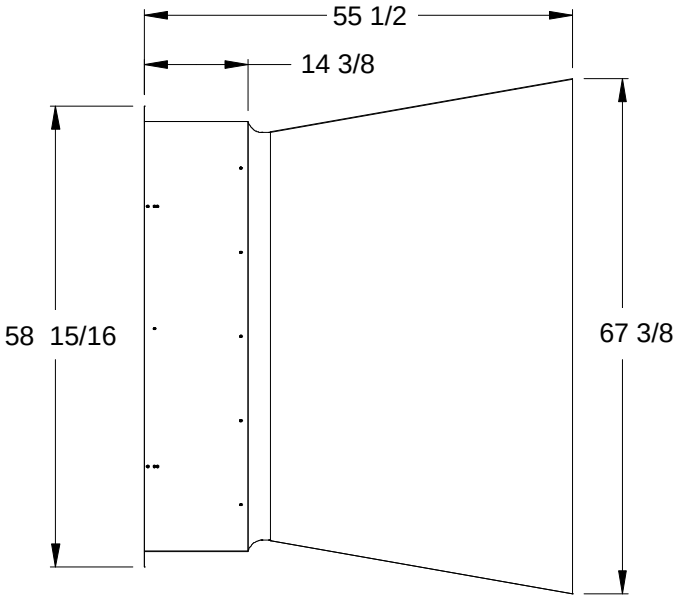
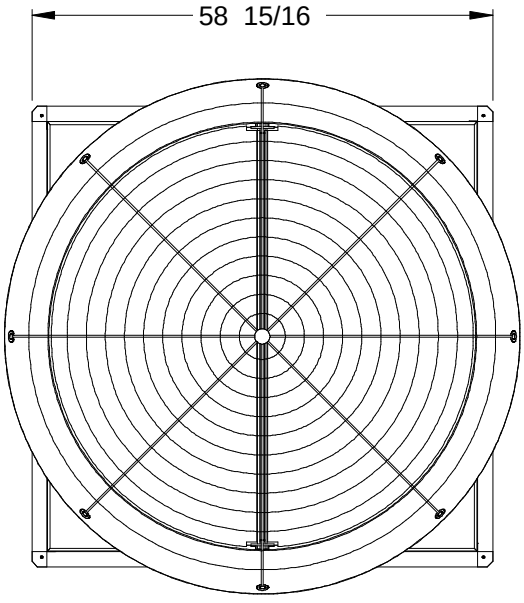
CONTROLLED ENVIRONMENT SYSTEMS FOR FARM BUILDINGS





TYPE NBC52, NBR52, AND NEF52 FAN WITH DAMPER DOOR CONE UNIT





REQUIRED FRAMED-IN OPENING is 56 3/4" x 56 3/4"

AMERICAN Coolair®

FARM PRODUCTS DIVISION

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PERFORMANCE RATINGS

The performance ratings listed below were obtained through testing by the Bioenvironmental and Structural Systems Lab (BESS Lab) at the University of Illinois. All fans were tested with an inlet guard, a discharge cone with doors and a discharge guard. The fan housing was mounted flush to the test chamber face, as in an actual building installation. Power measurements were taken on the fan/motor combination and include motor efficiency and drive losses.

Certified by BESS LAB University of Illinois

CUBIC FEET PER MINUTE (CFM) AT STATIC PRESSURE

FAN MODEL	FAN SIZE	BESS LAB TEST #	MOTOR HP	FAN RPM @.05"	0" S.P.		.05" S.P.		.10" S.P.		.15" S.P.		.20" S.P.	
					CFM	CFM/ WATT	CFM	CFM/ WATT	CFM	CFM/ WATT	CFM	CFM/ WATT	CFM	CFM/ WATT
MNBCDD52LE	52	05244	1	472	27,472	29.3	25,405	25.7	23,213	23.0	20,508	19.9	17,091	16.8
MNBCDD52L		05245	1	492	28,649	27.1	26,652	24.1	24,401	21.4	22,080	19.0	19,107	16.5
MNBCDD52M*		05257	1 1/2	545	31,704	23.0	30,069	20.8	28,089	18.8	26,120	17.1	23,835	15.4
MNBCDD52LE Δ		05242	1	470	27,520	29.6	25,421	25.5	23,097	22.9	20,438	19.9	16,736	16.7
MNBCDD52L Δ		05243	1	491	28,696	27.4	26,611	24.4	24,344	21.5	21,938	19.1	18,927	16.4
MNBCDD52M Δ*		05241	1 1/2	549	32,006	23.7	30,145	21.4	28,274	19.4	26,322	17.7	24,000	16.0
NBCDD52 Fan complete with 3 cast aluminum blades, inlet guard, and discharge cone with guard and damper doors														
MNBRDD52LE	52	05236	1	471	25,575	29.8	24,063	26.1	22,222	22.8	20,354	19.7	18,217	16.8
MNBRDD52L		05235	1	492	26,420	27.2	25,134	24.2	23,473	21.4	21,717	18.9	19,657	16.3
MNBRDD52M		05239	1 1/2	546	29,277	23.0	27,919	20.8	26,489	18.7	24,918	16.9	23,270	15.2
MNBRDD52LE Δ		05238	1	468	25,433	29.9	23,826	26.2	21,969	22.7	20,010	19.7	17,957	16.8
MNBRDD52L Δ		05237	1	489	26,489	28.0	25,033	24.5	23,301	21.5	21,495	18.9	19,520	16.4
MNBRDD52M Δ		05240	1 1/2	548	29,203	23.6	28,022	21.3	26,706	19.7	25,033	17.6	23,394	15.8
NBRDD52 Fan complete with 4 formed steel blades, inlet guard, and discharge cone with guard and damper doors														
MNEFDD52L	52	07215	1	485	27,249	27.9	25,457	23.9	23,342	20.2	20,738	16.9	17,425	13.4
MNEFDD52M		07213	1 1/2	518	28,723	24.8	27,351	22.1	25,350	19.1	23,049	16.4	20,765	14.2
MNEFDD52L Δ		07217	1	480	26,956	38.2	25,275	23.7	22,846	19.9	20,263	16.6	17,864	14.0
MNEFDD52M Δ		07216	1 1/2	521	29,027	25.7	27,302	22.5	25,400	19.2	23,403	16.9	20,910	14.5
NEFDD52 Fan complete with 4 formed steel blades, inlet guard, and discharge cone with guard and damper doors														

Δ — 3-Phase Motor

* — Performance values for 0" static pressure for model MNBCDD52M exceed the BESS Lab airflow measurement capabilities and were calculated through regression analysis.

NBC

NBR

NEF

ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Form No. 910-23-3 (October, 2007)