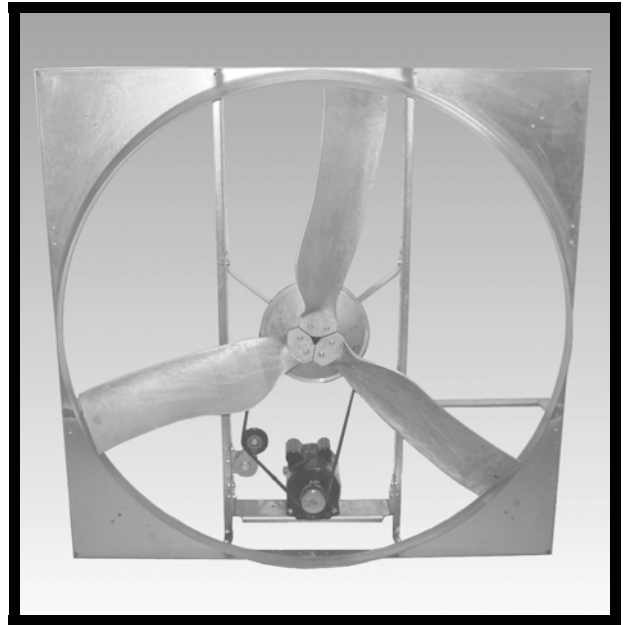
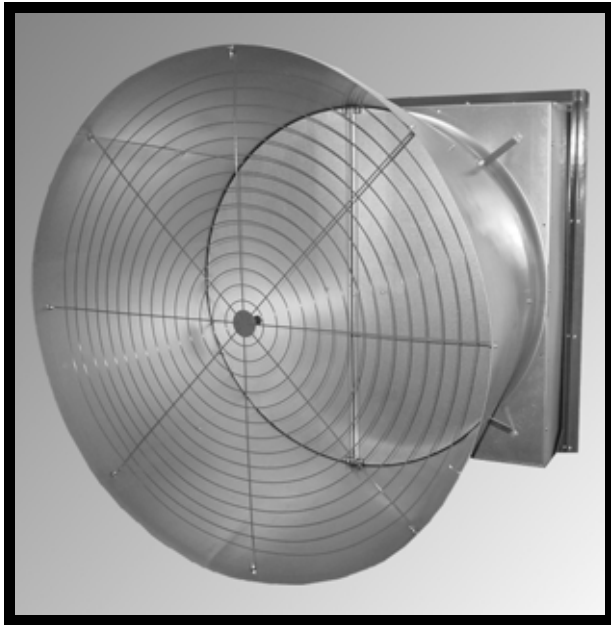
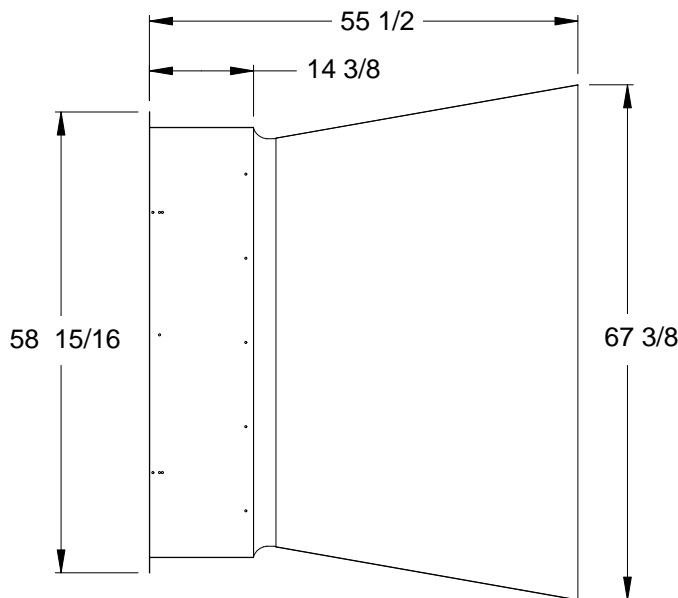


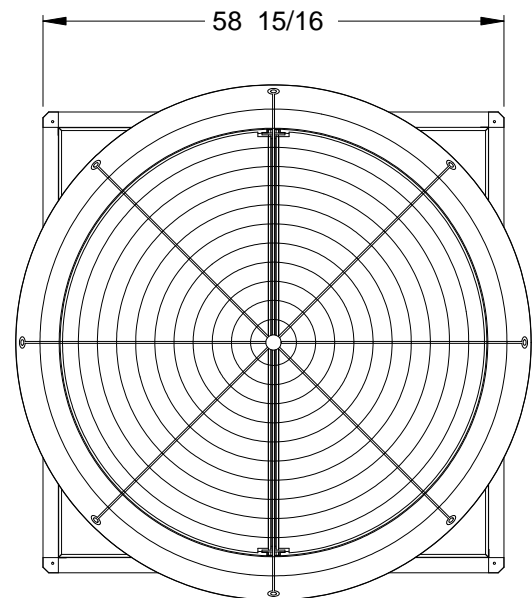
# CONTROLLED ENVIRONMENT SYSTEMS FOR FARM BUILDINGS



## TYPE NBC52 AND NEF52 FAN WITH DAMPER DOOR CONE UNIT



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



### FARM PRODUCTS DIVISION

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# PERFORMANCE RATINGS

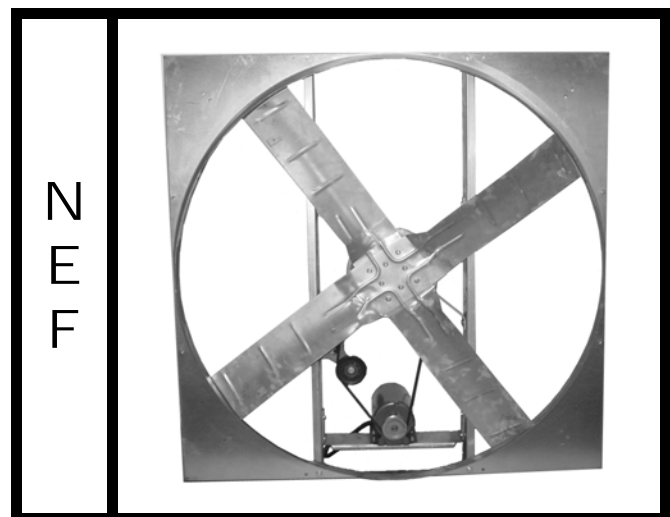
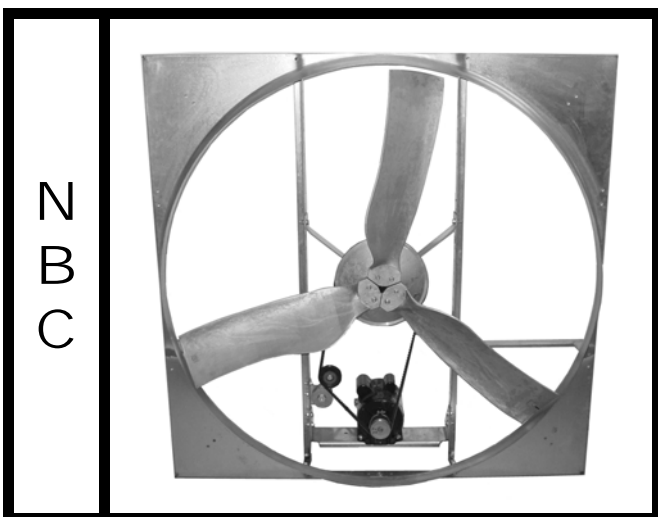


The performance ratings listed below were obtained through testing by the Bioenvironmental and Structural Systems Lab (BESS Lab) at the University of Illinois. All fans were tested with an inlet guard, a discharge cone with doors and a discharge guard. The fan housing was mounted flush to the test chamber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

| 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   |
| 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 |          |                 |          |               |            |          |           |          |           |          |           |          |           |          |
| 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.



ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Form No. 910-23-4 (October, 2010)