University of Illinois Department of Agricultural Engineering BESS Lab

Number:

Clearance:

Door Length: 17.1"

Location:

4

0.2"

intake

Project Number: 01207 Test Date: August 22, 2001

Motor Fan

American Coolair Make: Make: Emerson

Model #: MNEF52M Model #: T63ZZCDZ-1257

Manufacturer: American Coolair *H.P.*: 1.5

Blade Size: 53" 13.2/6.7 Amps:

Orifice Dia.: 53.4" Volts: 115/230

RPM: Blade 1725

S.F.:

Shape: propeller

Material: galvanized steel Drive Pulley Dia. 2.8"

AK28

Drive

Guards

Pitch: Axle Pulley Dia.: 9.5"

Housing Material: galvanized steel

Shutter w/ bell mouth inlet Material: plastic *Intake Area*: 56" x 57"

of Doors: 16 Discharge Area: 53.4" dia.

of Columns: 3 Depth: 30.3" top

21.3" bottom

Description: wire

2" x 2" Spacing:

Other Attachments:

Belt tensioner Location: exhaust

TEST RESULTS

AMERICAN COOLAIR MNEF52M

fm/Watt
19.8
18.0
16.6
14.9
13.2
11.3
9.1