

University of Illinois Department of Agricultural Engineering
Bioenvironmental and Structural Systems Lab
Final Report

Project Number: 12312
Test Date: May 16, 2012

Inlet:
Make- Termotecnica
Model- SOB53
Size- 51.6" x 51.7" (1310 x 1313 mm)

Description: 11galvanized steel blades

Notes:

Test Conditions:

T(wb): 58,0 Barometric pressure, recorded 29,37
T(db): 77,0 Barometric Pressure, corrected 29,24

Static Pressure (in. H2O)	Airflow (cfm)	Static Pressure (Pa)	Airflow (m ³ /hr)
Full open blade setting			
0,020	7115	5	12090
0,040	9989	10	16973
0,050	11467	12	19485
0,080	14275	20	24256
0,100	15951	25	27104
0,125	17788	31	30225
0,150	19532	37	33189
0,200	22579	50	38366
0,250	25258	62	42918
0,300	27365	75	46499