

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

Project Number: 19259
 Test Date: April 9, 2018

Inlet:
 Make- Double L
 Model- CSW4612
 Size- 47" x 11.3" baffle

Description: Single baffle wall inlet

Notes: 45.1" x 11.3" rough opening,
 Velocities: Kestrel 5500 anemometer

Test Conditions:

T(wb): 60.0	Barometric pressure, recorded	29.24
T(db): 80.0	Barometric Pressure, corrected	29.10

Static Pressure (in. H ₂ O)	Airflow (cfm)	Static Pressure (Pa)	Airflow (m ³ /hr)	<i>Informational Velocities (fpm)</i>
Full open 13"				
0.020	1079	5	1833	
0.050	1723	12	2928	
0.080	2168	20	3684	
0.100	2413	25	4100	
0.125	2650	31	4503	
0.150	2930	37	4979	
0.200	3375	50	5735	
0.250	3762	62	6392	
baffle open 6"				
0.101	1568	25	2664	1070