

TEST UNIT:  
 MANUFACTURER: WONDER METALS CORPORATION  
 MODEL NO.: **ACF-1245A**  
 SIZE: 48 X 48 X 12  
 DEVICE TYPE: LOUVER, NON-DRAINABLE  
 APPURTENANCES: NONE  
 TEST METHOD PER AMCA STANDARD 500-83  
 TEST SETUP: PER FIGURE 5.4  
 AIR FLOW MEASUREMENT: PER FIGURE 6.3  
 BLADE OPENING: FIXED OPEN  
 TORQUE: NONE  
 AMCA FREE AREA SQ. FT.: 3.01  
 REMARKS: CONTRACT TEST

APPLICATION: 7025

TEST NO.: 7025-I1  
 DATE OF TEST: 12/7/87

TEST TYPE: **AIR FLOW TEST  
 INTAKE MODE**

RESULTS AT TEST CONDITIONS

DET	DENSITY	PS	VELOCITY	CFM
1	0.07352	.131	1492.0	4490.9
2	0.07352	.090	1225.0	3687.3
3	0.07352	.050	898.9	2705.7
4	0.07352	.023	599.9	1805.6
5	0.07352	.007	287.2	864.6

RESULTS AT STANDARD AIR DENSITY

PS	VELOCITY	CFM
.134	1492.0	4490.9
.092	1225.0	3687.3
.051	898.9	2705.7
.023	599.9	1805.6
.007	287.2	864.6

INPUT DATA FOR TEST NUMBER: 7025-I1

DET	D6	DN	PS	PD	DB1	DB5	DBO	WBO	PB	DBB
1	.83317	.83317	.131	4.281	66.5	66.0	66.0	55.3	29.43	72.6
2	.83317	.83317	.090	2.880	66.5	66.0	66.0	55.3	29.43	72.6
3	.83317	.83317	.050	1.550	66.5	66.0	66.0	55.3	29.43	72.6
4	.83317	.83317	.023	.692	66.5	66.0	66.0	55.3	29.43	72.6
5	.58417	.58417	.007	.660	66.5	66.0	66.0	55.3	29.43	72.6

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 TEST SETUP: PER FIGURE 5.4  
 AIR FLOW MEASUREMENT: PER FIGURE 6.3  
 BLADE OPENING: FIXED OPEN  
 TORQUE: NONE  
 AMCA FREE AREA SQ. FT.: 3.01  
 REMARKS: CONTRACT TEST

APPLICATION: 7025

TEST NO.: 7025-E1  
 DATE OF TEST: 12/7/87

TEST TYPE: **AIR FLOW TEST  
 EXHAUST MODE**

RESULTS AT TEST CONDITIONS

DET	DENSITY	PS	VELOCITY	CFM
1	0.07350	.125	1494.2	4497.7
2	0.07350	.050	901.1	2712.3
3	0.07350	.023	594.1	1788.3
4	0.07350	.007	295.8	890.5

RESULTS AT STANDARD AIR DENSITY

PS	VELOCITY	CFM
.128	1494.2	4497.7
.051	901.1	2712.3
.023	594.1	1788.3
.007	295.8	890.5

INPUT DATA FOR TEST NUMBER: 7025-E1

DET	D6	DN	PS	PD	DB1	DB5	DBO	WBO	PB	DBB
1	.83317	.83317	.125	4.295	66.7	66.5	66.4	55.3	29.43	72.6
2	.83317	.83317	.050	1.558	66.7	66.5	66.4	55.3	29.43	72.6
3	.83317	.83317	.023	.679	66.7	66.5	66.4	55.3	29.43	72.6

4	.58417	.58417	.007	.700	66.7	66.5	66.4	55.3	29.43	72.6
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