

TEST UNIT: APPLICATION: 6325
 MANUFACTURER: WONDER METALS CORPORATION TEST NO.: 6325-I1
 TRADE NAME: OPPOSED DAMPER DATE OF TEST: 9/9/86
 MODEL NO.: D-2
 SIZE: 24 X 24 TEST TYPE: AIR FLOW TEST
 DEVICE TYPE: DAMPER, OPPOSED BLADE INTAKE MODE
 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.: 4
 REMARKS: CONTRACT TEST
 DAMPER BLADES FIXED IN OPEN POSITION

RESULTS AT TEST CONDITIONS

RESULTS AT STANDARD AIR DENSITY

DET	DENSITY	PS	VELOCITY	CFM	PS	VELOCITY	CFM
1	0.07258	.750	1942.4	7769.7	.775	1942.4	7769.7
2	0.07258	.468	1532.9	6131.7	.484	1532.9	6131.7
3	0.07258	.274	1167.7	4670.7	.283	1167.7	4670.7
4	0.07258	.121	776.2	3104.7	.125	776.2	3104.7
5	0.07258	.030	386.4	1545.6	.031	386.4	1545.6

INPUT DATA FOR TEST NUMBER: 6325-I1

DET	D6	DN	PS	PD	DB1	DB5	DBO	WBO	PB	DBB
1	1.02524	.44887	.750	5.560	75.0	73.3	72.3	58.2	29.53	73.6
2	1.02524	.44887	.468	3.450	75.0	73.3	72.3	58.2	29.53	73.6
3	1.02524	.44887	.274	2.000	75.0	73.3	72.3	58.2	29.53	73.6
4	1.02524	.44887	.121	.886	75.0	73.3	72.3	58.2	29.53	73.6
5	.56000	.42921	.030	2.460	75.0	73.3	72.3	58.2	29.53	73.6

TEST UNIT: APPLICATION: 6325
 MANUFACTURER: WONDER METALS CORPORATION TEST NO.: 6325-L1
 TRADE NAME: OPPOSED DAMPER DATE OF TEST: 9/9/86
 MODEL NO.: D-2
 SIZE: 24 X 24 TEST TYPE: AIR LEAKAGE TEST
 DEVICE TYPE: DAMPER, OPPOSED BLADE
 APPURTENANCES: NONE
 TEST METHOD PER AMCA STANDARD 500-83
 TEST SETUP: PER FIGURE 5.5
 AIR FLOW MEASUREMENT: PER FIGURE 6.5
 BLADE OPENING: CLOSED
 TORQUE: #30 IN-LB
 AMCA FREE AREA SQ. FT.: 4
 REMARKS: CONTRACT TEST
 SYSTEM LOSS SUBTRACTED

RESULTS AT TEST CONDITIONS

RESULTS AT STANDARD AIR DENSITY

DET	DENSITY	PS	CFM/SQFT	CFM	PS	CFM/SQFT	CFM
1	0.07252	.486	5.7	22.8	.503	5.7	22.8
2	0.07261	.986	8.8	35.3	1.019	8.8	35.3
3	0.07270	1.480	11.6	46.5	1.527	11.6	46.5
4	0.07279	1.990	14.8	59.3	2.050	14.8	59.3
5	0.07288	2.510	15.8	63.1	2.583	15.8	63.1

SYSTEM LOSS DATA

DET	D6	DN	PS	PD
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1	.08354	.08354	.515	.001
2	.08354	.08354	1.000	.003
3	.08354	.08354	1.550	.005
4	.08354	.08354	2.040	.005
5	.08354	.08354	2.500	.005

INPUT DATA FOR TEST NUMBER: 6325-L1

DET	D6	DN	PS	PD	DB2	DB5	DBO	WBO	PB	DBB
1	.08354	.08354	.486	1.190	74.8	73.7	72.1	58.4	29.46	74.0
2	.08354	.08354	.986	2.840	74.8	73.7	72.1	58.4	29.46	74.0
3	.08354	.08354	1.480	4.900	74.8	73.7	72.1	58.4	29.46	74.0
4	.13347	.13347	1.990	1.210	74.8	73.7	72.1	58.4	29.46	74.0
5	.13347	.13347	2.510	1.370	74.8	73.7	72.1	58.4	29.46	74.0