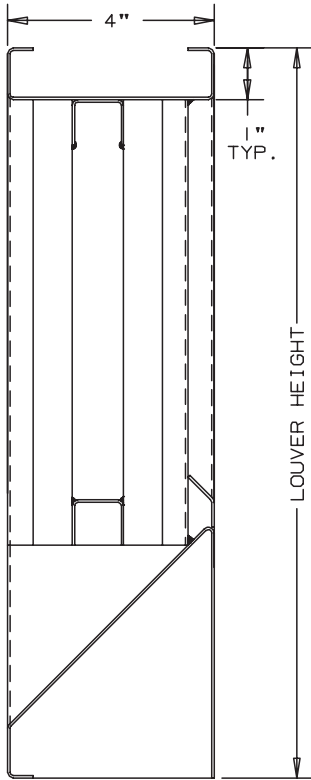


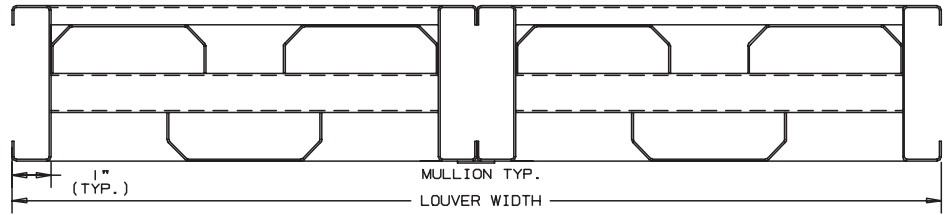
ARROW FORMED STEEL LOUVER 4" DEEP

TYPE FS-461

STATIONARY SAND LOUVER



NOT TO SCALE



FOR CERTIFIED RATINGS
AUTHORIZED BY AMCA
-SEE REVERSE SIDE

SPECIFICATIONS

- FRAME: 18 GA. GALVANIZED STEEL FORMED CHANNEL
- BLADE: 18 GA. GALVANIZED STEEL FORMED SIGHTPROOF
- SCREEN: 1/2"x19 GA. GALVANIZE SCREEN IN A REMOVABLE FRAME ON REAR WHEN INDICATED
- CONSTRUCTION: RIVETED AND/OR WELDED FOR MAXIMUM SERVICE
- FINISH: MILL
- MINIMUM SIZE: 24" x 24"
- MAXIMUM SINGLE SECTION:
60"Wx96"H OR 96"Wx60" LIMITED TO 40 SQ. FT.
LARGER SIZES WILL REQUIRE FIELD ASSEMBLY OF SMALLER SIZES
- APPROXIMATE SHIPPING WEIGHT: 7 LBS/ SQ. FT.

APPLICATIONS AND FEATURES

ARROW MODEL FS-461 SAND LOUVER IS DESIGNED TO PROTECT AGAINST WIND BLOWN SAND. VERTICAL SIGHT PROOF BLADES SEPERATE THE SAND FROM THE AIRSTREAM AND DIVERT SAND TO A SLOPED SILL.

THE FREE AREA IS 34%, FOR 48" x 48" SIZE.

PRESSURE DROP TESTED FOR INTAKE AND EXHAUST IN ACCORDANCE WITH AMCA STANDARD 500-L.

SAND REMOVAL EFFICIENCY APPROXIMATELY 90% MEASURED DURING TESTS DESCRIBED IN ASHRAE STANDARD 52-76 TEST METHOD.

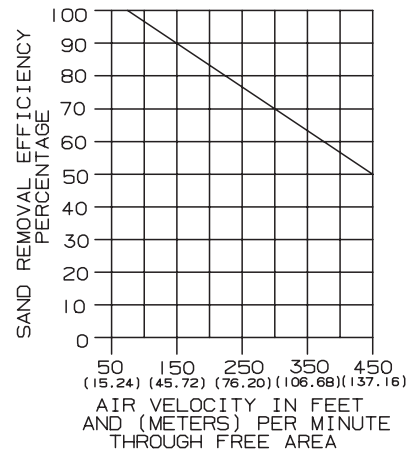
OPTIONAL VARIATIONS

FRAME AND BLADE OF OTHER GAGES, OTHER MATERIALS SUCH AS STAINLESS STEEL, ALUMINUM, ETC.

FINISHES: SELECTION OF POWDER COAT BAKED ENAMEL, KYNAR, AND EPOXIES.

SCREENS: 1/2" FLATTENED EXPANDED ALUMINUM MESH
1/4" SQUARE MESH, 18 GA. GALVANIZED .047" WIRE
1/2" SQUARE MESH, 18 GA. STAINLESS STEEL .047" WIRE

SAND REMOVAL EFFICIENCY



DESIGNS SHOULD PROVIDE A REASONABLE SAFETY FACTOR FOR LOUVER PERFORMANCE BY SELECTING AT SOME POINT BELOW PRESSURE DROP OR SAND REMOVAL REQUIREMENTS.



UNION MADE

NOMINAL DEDUCTIONS WILL BE MADE TO OPENING SIZES GIVEN.



ARROW UNITED INDUSTRIES
A DIVISION OF MESTEK, INC.

450 RIVERSIDE DRIVE
WYALUSING, PA 18853

TEL: (570) 746-1888 FAX: (570) 746-9286

AGENT: _____

ARCH./ENG. :

CONTR. :

PROJECT :

EDR :

ECN :

JOB :

DATE :

DWN. :

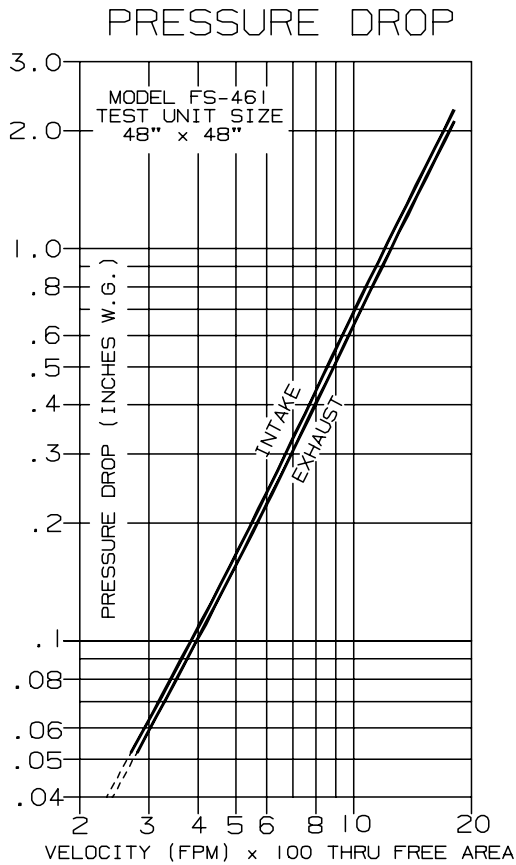
DWG. :

LOUVER MODEL FS-461

SAND TRAP LOUVER

STEEL - STATIONARY

PERFORMANCE DATA



ARROW UNITED CERTIFIES THAT THE MODEL FS-461 SHOWN HEREIN IS LICENSED TO BEAR THE AMCA SEAL. THE RATINGS SHOWN ARE BASED ON TESTS AND PROCEDURES PERFORMED IN ACCORDANCE WITH AMCA PUBLICATION 511 AND COMPLY WITH THE REQUIREMENTS OF THE AMCA CERTIFIED RATINGS PROGRAM. THE AMCA CERTIFIED RATINGS SEAL APPLIES TO AIR PERFORMANCE RATINGS ONLY.

FREE AREA

		FREE AREA (SQ. FT.)												
		WIDTH												
		24"	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"	90"	96"
HEIGHT	24"	.91	1.22	1.52	1.83	2.13	2.44	2.74	3.05	3.35	3.66	3.96	4.27	4.57
	30"	1.25	1.67	2.09	2.50	2.92	3.34	3.76	4.17	4.59	5.01	5.42	5.84	6.26
	36"	1.59	2.12	2.65	3.18	3.71	4.24	4.77	5.30	5.83	6.36	6.88	7.41	7.94
	42"	1.93	2.57	3.21	3.85	4.49	5.14	5.78	6.42	7.06	7.70	8.35	8.99	9.63
	48"	2.26	3.02	3.77	4.53	5.44	6.03	6.79	7.54	8.30	9.05	9.81	10.56	11.31
	54"	2.60	3.47	4.33	5.20	6.07	6.93	7.80	8.67	9.53	10.40	11.27	12.13	13.00
	60"	2.94	3.92	4.90	5.87	6.85	7.83	8.81	9.79	10.77	11.75	12.73	13.71	14.69
	66"	3.27	4.37	5.46	6.55	7.64	8.73	9.82	10.91	12.01	13.10	14.19	15.28	16.37
	72"	3.61	4.82	6.02	7.22	8.43	9.63	10.83	12.04	13.24	14.45	15.65	16.85	18.06
	78"	3.95	5.26	6.58	7.90	9.21	10.53	11.85	13.16	14.48	15.79	17.11	18.43	19.74
	84"	4.29	5.71	7.14	8.57	10.00	11.43	12.86	14.28	15.71	17.14	18.57	20.00	21.43
	90"	4.62	6.16	7.70	9.25	10.79	12.33	13.87	15.41	16.95	18.49	20.03	21.57	23.11
96"	4.96	6.61	8.27	9.92	11.57	13.23	14.88	16.53	18.19	19.84	21.49	23.14	24.80	