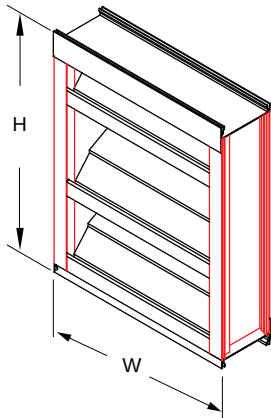


LOUVERS

MODEL K45-DL

DRAINABLE BLADE LOUVER



STANDARD CONSTRUCTION

FRAME

EXTRUDED ALUMINUM 6063-T5, 1.7mm (0.07") THICK & 100mm (4") DEPTH.

BLADES

EXTRUDED ALUMINUM 6063-T5, 1.6mm (1/16") THICK

BLADE CENTERS:

92mm (3-5/8") MAXIMUM CENTERS AT HEAD AND SILLS, CORROSION RESISTANT STEEL FASTNERS USED AT ASSEMBLY

SCREEN:

BIRD SCREEN 10x10mm MADE OF 1mm WIRE AS STANDARD (OPTIONAL)

INSECT SCREEN:

ALUMINUM 18 x 16 MESH CORROSION RESISTANT (OPTIONAL)

FINISH:

MILL FINISH (STANDARD)
ANODIZE (OPTIONAL)
ALL RAL COLOR (OPTIONAL)

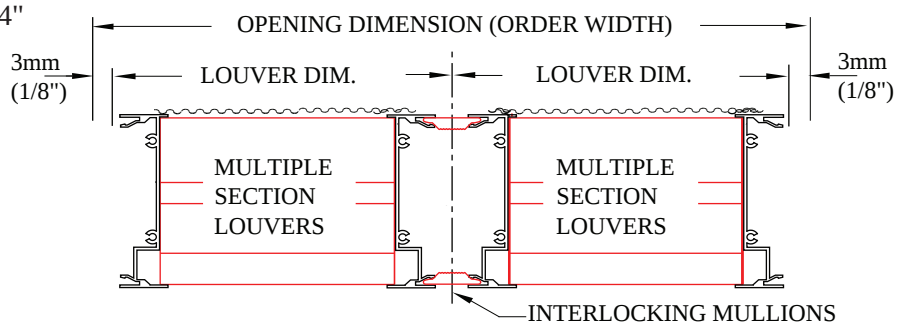
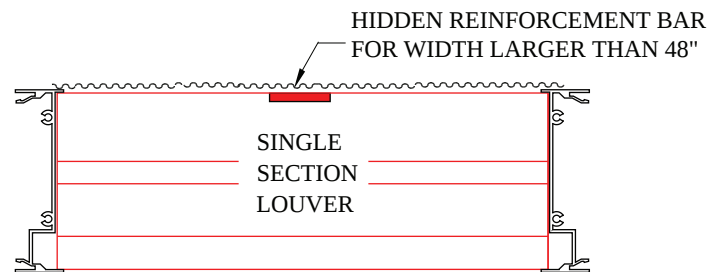
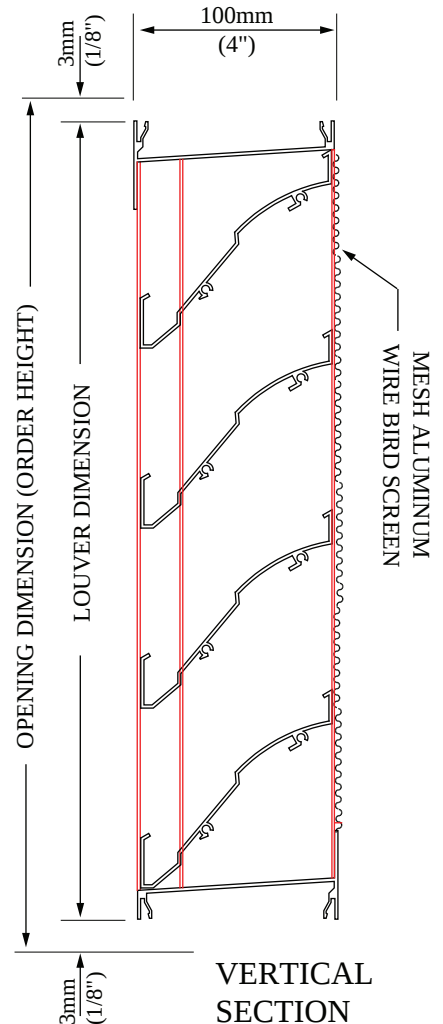
SIZES:

MINIMUM WIDTH: 8"
MINIMUM HEIGHT: 8"
MAXIMUM SINGLE SECTION:
Width 144" X Height 92" or Width 92" X Height 144"
MULTIPLE SECTION: UNLIMITED

DRAINABLE LOUVERS:

Water is carried off by an integral gutter in the blade which is channeled through an integral downspout in the jamb, the water is then routed back onto the louver sill and out the front of the louver which, in most conditions, eliminates the need for a subsill or flashing.

*Check with the factory for Maximum shipping sizes.

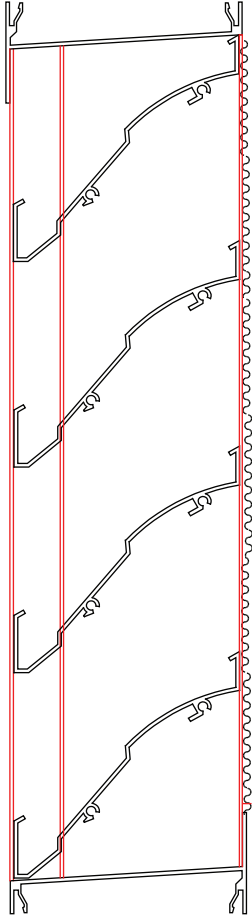


LOUVERS

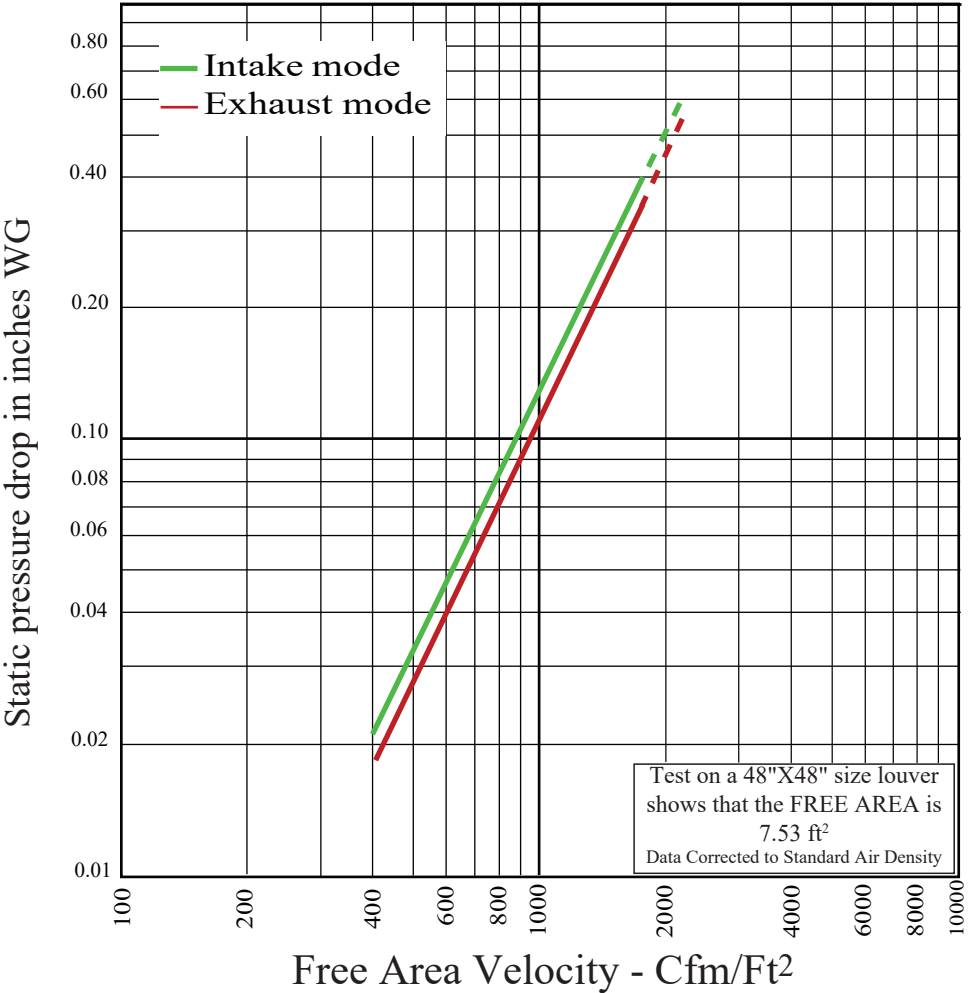
MODEL K45-DL & K45-DLF

AIR PERFORMANCE

MODEL K45-DL
& K45-DLF



VERTICAL
SECTION



FREE AREA CALCULATIONS ARE BASED ON TEST UNITS WITHOUT BIRD SCREEN
TEST CONDUCTED According to AMCA-500-L Fig 5.5

FREE AREA IN SQ. FT

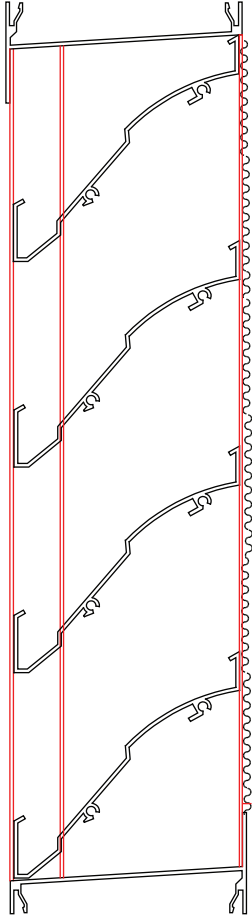
Sizes in		LOUVER WIDTH																							
Inch		12	18	24	30	36	42	48	54	60	66	72	78	84	90	92	96	102	108	114	120	126	132	138	144
LOUVER HEIGHT	12	0.26	0.42	0.58	0.74	0.89	1.05	1.21	1.37	1.52	1.68	1.84	2.00	2.16	2.31	2.37	2.47	2.63	2.79	2.94	3.10	3.26	3.42	3.58	3.73
	18	0.51	0.82	1.13	1.43	1.74	2.05	2.36	2.67	2.97	3.28	3.59	3.90	4.20	4.51	4.61	4.82	5.13	5.44	5.74	6.05	6.36	6.67	6.97	7.28
	24	0.76	1.22	1.67	2.13	2.59	3.05	3.51	3.96	4.42	4.88	5.34	5.80	6.25	6.71	6.86	7.17	7.63	8.08	8.54	9.00	9.46	9.92	10.37	10.83
	30	0.88	1.42	1.95	2.48	3.01	3.55	4.08	4.61	5.15	5.68	6.21	6.74	7.28	7.81	7.99	8.34	8.88	9.41	9.94	10.47	11.01	11.54	12.07	12.61
	36	1.13	1.82	2.50	3.18	3.86	4.55	5.23	5.91	6.59	7.28	7.96	8.64	9.33	10.01	10.24	10.69	11.37	12.06	12.74	13.42	14.11	14.79	15.47	16.15
	42	1.38	2.21	3.05	3.88	4.71	5.55	6.38	7.21	8.04	8.88	9.71	10.54	11.37	12.21	12.49	13.04	13.87	14.71	15.54	16.37	17.20	18.04	18.87	19.70
	48	1.63	2.61	3.60	4.58	5.56	6.54	7.53	8.51	9.49	10.48	11.46	12.44	13.42	14.41	14.73	15.39	16.37	17.35	18.34	19.32	20.30	21.29	22.27	23.25
	54	1.88	3.01	4.14	5.28	6.41	7.54	8.68	9.81	10.94	12.07	13.21	14.34	15.47	16.61	16.98	17.74	18.87	20.00	21.14	22.27	23.40	24.53	25.67	26.80
	60	2.13	3.41	4.69	5.98	7.26	8.54	9.82	11.11	12.39	13.67	14.96	16.24	17.52	18.80	19.23	20.09	21.37	22.65	23.94	25.22	26.50	27.78	29.07	30.35
	66	2.38	3.81	5.24	6.67	8.11	9.54	10.97	12.41	13.84	15.27	16.70	18.14	19.57	21.00	21.48	22.44	23.87	25.30	26.73	28.17	29.60	31.03	32.47	33.90
	72	2.50	4.01	5.52	7.02	8.53	10.04	11.55	13.06	14.56	16.07	17.58	19.09	20.59	22.10	22.60	23.61	25.12	26.63	28.13	29.64	31.15	32.66	34.16	35.67
	78	2.75	4.41	6.06	7.72	9.38	11.04	12.70	14.35	16.01	17.67	19.33	20.99	22.64	24.30	24.85	25.96	27.62	29.27	30.93	32.59	34.25	35.91	37.56	39.22
	84	3.00	4.81	6.61	8.42	10.23	12.04	13.84	15.65	17.46	19.27	21.08	22.88	24.69	26.50	27.10	28.31	30.12	31.92	33.73	35.54	37.35	39.15	40.96	42.77
	90	3.25	5.20	7.16	9.12	11.08	13.04	14.99	16.95	18.91	20.87	22.82	24.78	26.74	28.70	29.35	30.66	32.61	34.57	36.53	38.49	40.45	42.40	44.36	46.32
	92	3.37	5.40	7.44	9.47	11.50	13.54	15.57	17.60	19.63	21.67	23.70	25.73	27.76	29.80	30.48	31.83	33.86	35.90	37.93	39.96	41.99	44.03	46.06	48.09
	96	3.50	5.60	7.71	9.82	11.93	14.03	16.14	18.25	20.36	22.47	24.57	26.68	28.79	30.90	31.60									
	102	3.74	6.00	8.26	10.52	12.78	15.03	17.29	19.55	21.81	24.06	26.32	28.58	30.84	33.10	33.85									
	108	3.99	6.40	8.81	11.22	13.62	16.03	18.44	20.85	23.26	25.66	28.07	30.48	32.89	35.29	36.10									
	114	4.12	6.60	9.08	11.57	14.05	16.53	19.01	21.50	23.98	26.46	28.95	31.43	33.91	36.39	37.22									
	120	4.37	7.00	9.63	12.26	14.90	17.53	20.16	22.80	25.43	28.06	30.69	33.33	35.96	38.59	39.47									
	126	4.61	7.40	10.18	12.96	15.75	18.53	21.31	24.09	26.88	29.66	32.44	35.23	38.01	40.79	41.72									
	132	4.86	7.80	10.73	13.66	16.59	19.53	22.46	25.39	28.33	31.26	34.19	37.12	40.06	42.99	43.97									
	138	5.11	8.20	11.28	14.36	17.44	20.53	23.61	26.69	29.77	32.86	35.94	39.02	42.11	45.19	46.22									
	144	5.36	8.59	11.83	15.06	18.29	21.53	24.76	27.99	31.22	34.46	37.69	40.92	44.15	47.39	48.47									

LOUVERS

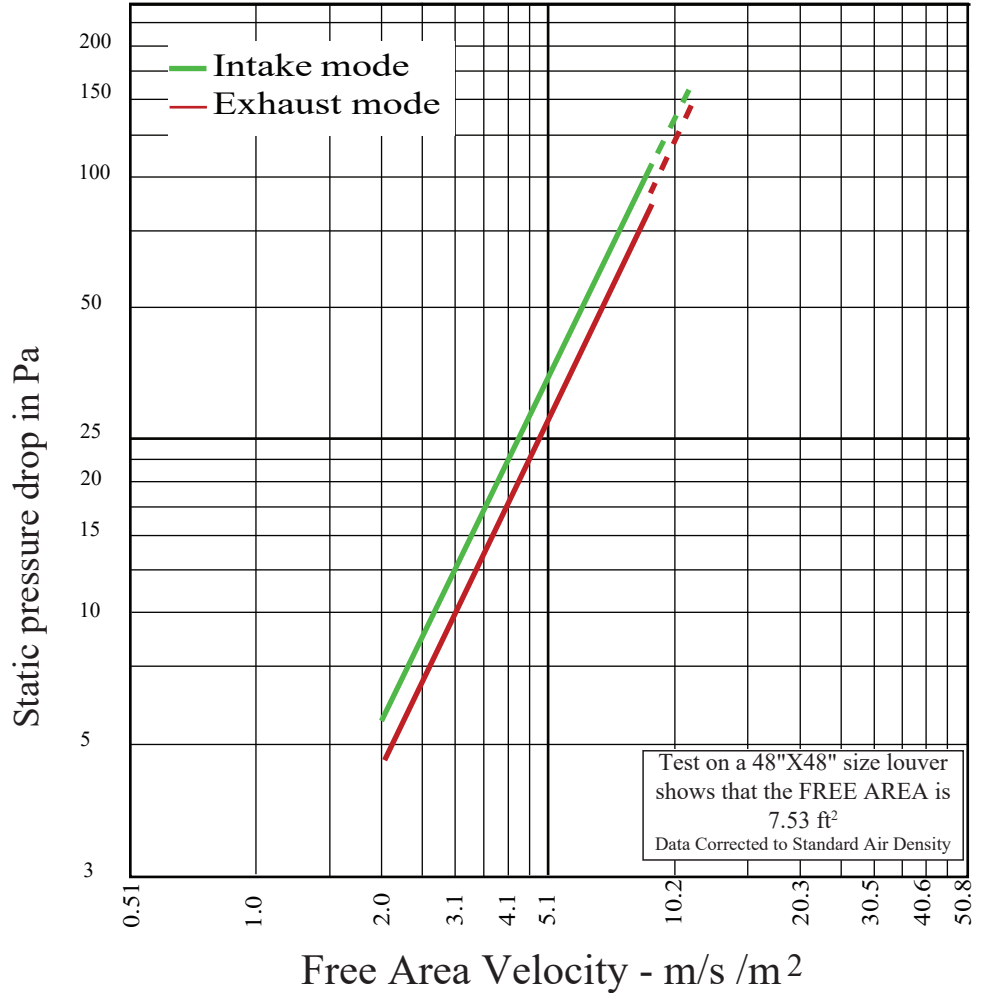
MODEL K45-DL & K45-DLF

AIR PERFORMANCE - SI

MODEL K45-DL
& K45-DLF



VERTICAL
SECTION



FREE AREA CALCULATIONS ARE BASED ON TEST UNITS WITHOUT BIRD SCREEN
TEST CONDUCTED According to AMCA-500-L Fig 5.5

FREE AREA IN SQ. Meter (m²)

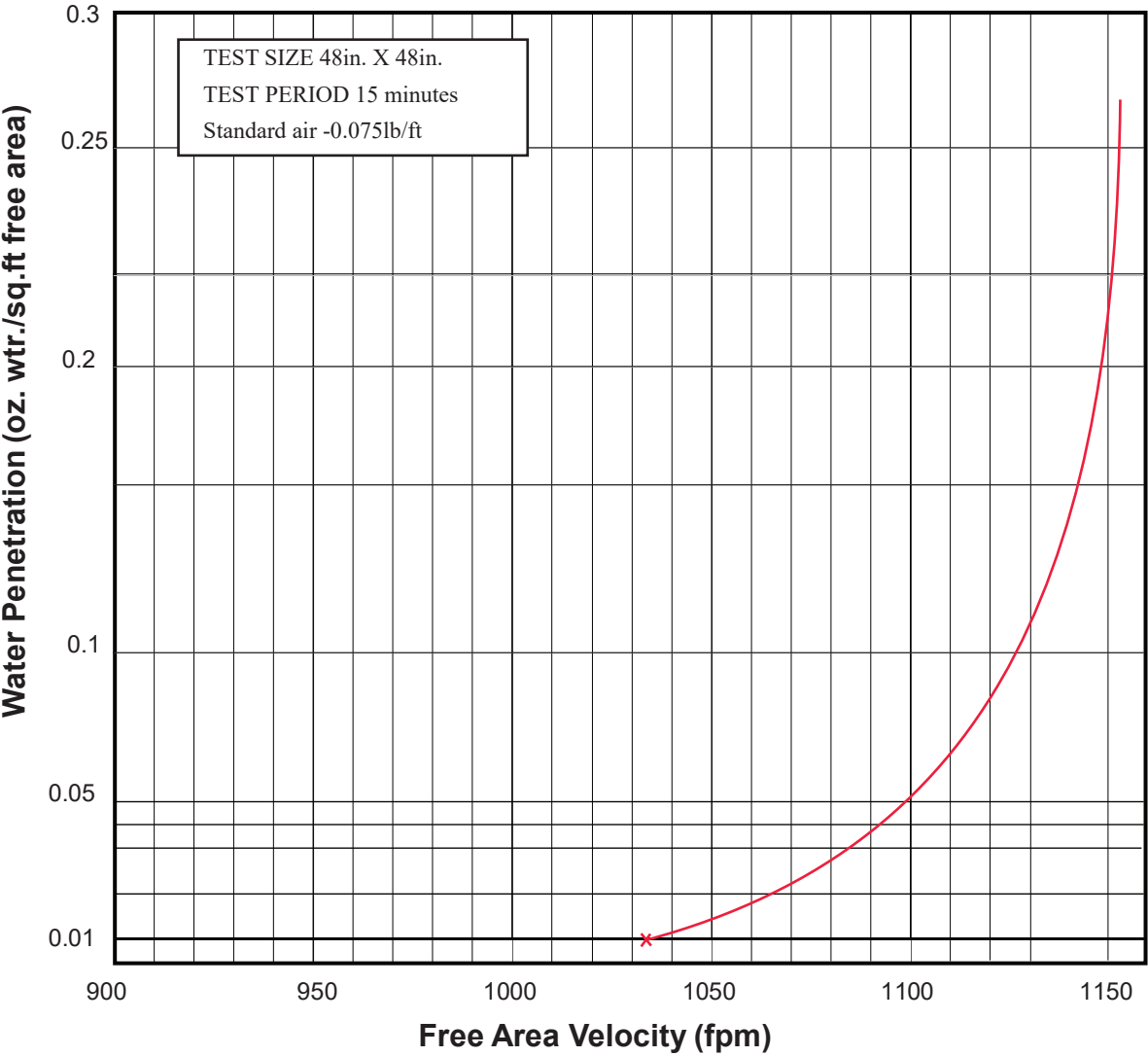
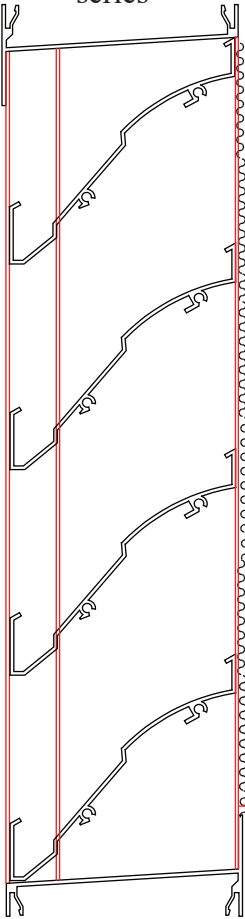
Sizes in Cm		LOUVER WIDTH																									
		30	45	60	75	90	105	120	135	150	165	180	195	210	225	230	240	255	270	285	300	315	330	345	360		
LOUVER HEIGHT	30	0.024	0.038	0.053	0.067	0.082	0.096	0.110	0.125	0.139	0.154	0.168	0.183	0.197	0.211	0.216	0.226	0.240	0.255	0.269	0.284	0.298	0.312	0.327	0.341		
	45	0.047	0.075	0.103	0.131	0.159	0.187	0.215	0.244	0.272	0.300	0.328	0.356	0.384	0.412	0.422	0.441	0.469	0.497	0.525	0.553	0.581	0.609	0.638	0.666		
	60	0.069	0.111	0.153	0.195	0.237	0.279	0.320	0.362	0.404	0.446	0.488	0.530	0.572	0.613	0.627	0.655	0.697	0.739	0.781	0.823	0.865	0.906	0.948	0.990		
	75	0.081	0.129	0.178	0.227	0.275	0.324	0.373	0.422	0.470	0.519	0.568	0.616	0.665	0.714	0.730	0.763	0.811	0.860	0.909	0.957	1.006	1.055	1.104	1.152		
	90	0.103	0.166	0.228	0.291	0.353	0.415	0.478	0.540	0.603	0.665	0.728	0.790	0.852	0.915	0.936	0.977	1.040	1.102	1.165	1.227	1.289	1.352	1.414	1.477		
	105	0.126	0.202	0.278	0.354	0.430	0.507	0.583	0.659	0.735	0.811	0.887	0.964	1.040	1.116	1.141	1.192	1.268	1.344	1.420	1.497	1.573	1.649	1.725	1.801		
	120	0.149	0.238	0.328	0.418	0.508	0.598	0.688	0.778	0.867	0.957	1.047	1.137	1.227	1.317	1.347	1.407	1.497	1.586	1.676	1.766	1.856	1.946	2.036	2.126		
	135	0.171	0.275	0.378	0.482	0.586	0.689	0.793	0.896	1.000	1.103	1.207	1.311	1.414	1.518	1.552	1.621	1.725	1.829	1.932	2.036	2.139	2.243	2.346	2.450		
	150	0.194	0.311	0.428	0.546	0.663	0.780	0.898	1.015	1.132	1.250	1.367	1.484	1.601	1.719	1.758	1.836	1.953	2.071	2.188	2.305	2.423	2.540	2.657	2.774		
	165	0.217	0.348	0.479	0.610	0.741	0.872	1.003	1.134	1.265	1.396	1.527	1.658	1.789	1.920	1.963	2.051	2.182	2.313	2.444	2.575	2.706	2.837	2.968	3.099		
	180	0.228	0.366	0.504	0.642	0.779	0.917	1.055	1.193	1.331	1.469	1.607	1.745	1.882	2.020	2.066	2.158	2.296	2.434	2.572	2.710	2.847	2.985	3.123	3.261		
	195	0.251	0.402	0.554	0.705	0.857	1.009	1.160	1.312	1.463	1.615	1.766	1.918	2.070	2.221	2.272	2.373	2.524	2.676	2.828	2.979	3.131	3.282	3.434	3.586		
	210	0.273	0.439	0.604	0.769	0.934	1.100	1.265	1.430	1.596	1.761	1.926	2.092	2.257	2.422	2.477	2.588	2.753	2.918	3.083	3.249	3.414	3.579	3.745	3.910		
	225	0.296	0.475	0.654	0.833	1.012	1.191	1.370	1.549	1.728	1.907	2.086	2.265	2.444	2.623	2.683	2.802	2.981	3.160	3.339	3.518	3.697	3.876	4.055	4.234		
	230	0.307	0.493	0.679	0.865	1.051	1.237	1.423	1.608	1.794	1.980	2.166	2.352	2.538	2.724	2.786	2.910	3.095	3.281	3.467	3.653	3.839	4.025	4.211	4.397		
	240	0.319	0.511	0.704	0.897	1.090	1.282	1.475	1.668	1.860	2.053	2.246	2.439	2.631	2.824	2.888											
	255	0.341	0.548	0.754	0.961	1.167	1.374	1.580	1.786	1.993	2.199	2.406	2.612	2.819	3.025	3.094											
	270	0.364	0.584	0.804	1.024	1.245	1.465	1.685	1.905	2.125	2.345	2.566	2.786	3.006	3.226	3.300											
	285	0.375	0.602	0.829	1.056	1.283	1.510	1.737	1.964	2.191	2.418	2.646	2.873	3.100	3.327	3.402											
	300	0.398	0.639	0.879	1.120	1.361	1.602	1.842	2.083	2.324	2.565	2.805	3.046	3.287	3.528	3.608											
	315	0.421	0.675	0.930	1.184	1.438	1.693	1.947	2.202	2.456	2.711	2.965	3.220	3.474	3.729	3.813											
	330	0.443	0.711	0.980	1.248	1.516	1.784	2.052	2.320	2.589	2.857	3.125	3.393	3.661	3.930	4.019											
	345	0.466	0.748	1.030	1.312	1.593	1.875	2.157	2.439	2.721	3.003	3.285	3.567	3.849	4.131	4.224											
	360	0.489	0.784	1.080	1.375	1.671	1.967	2.262	2.558	2.853	3.149	3.445	3.740	4.036	4.332	4.430											

LOUVERS

MODEL K45-DL & K45-DLF

WATER PENETRATION

MODEL K45-DL series



The AMCA Water Penetration Test provides a method for comparing various louver models and designs as to their efficiency in resisting the penetration of rainfall under specific laboratory test conditions. The beginning point of water penetration is defined as that velocity where the water penetration curve projects through 0.01oz of water penetration per sq. ft. of louver free area.

Beginning of water penetration per
AMCA Publication 511 Section 8.3.2
based on AMCA measured free area :
1033.7 fpm

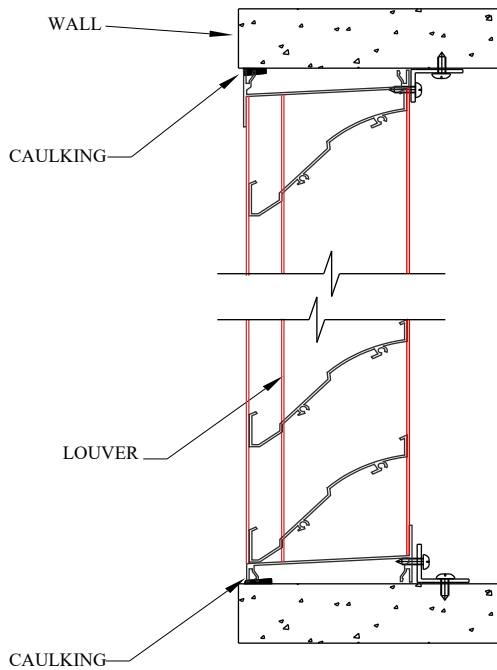
These performance ratings do not guarantee a louver to be weather-proof or stormproof and should be used in combination with other factors including good engineering judgement in selecting louvers.

LOUVERS

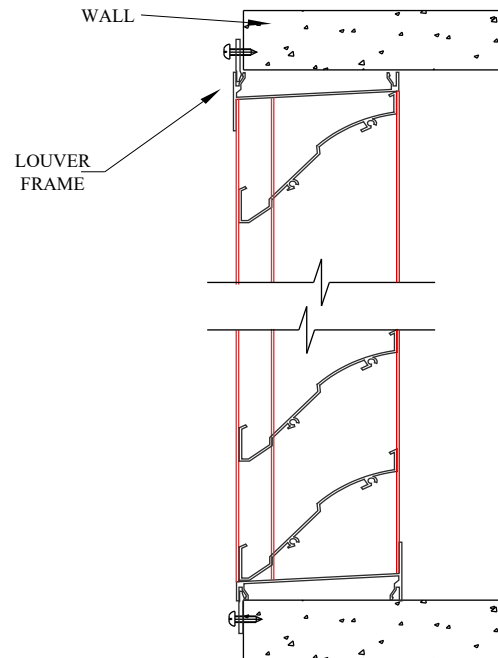
MODEL K45-DL series

TYPICAL INSTALLATION DETAILS

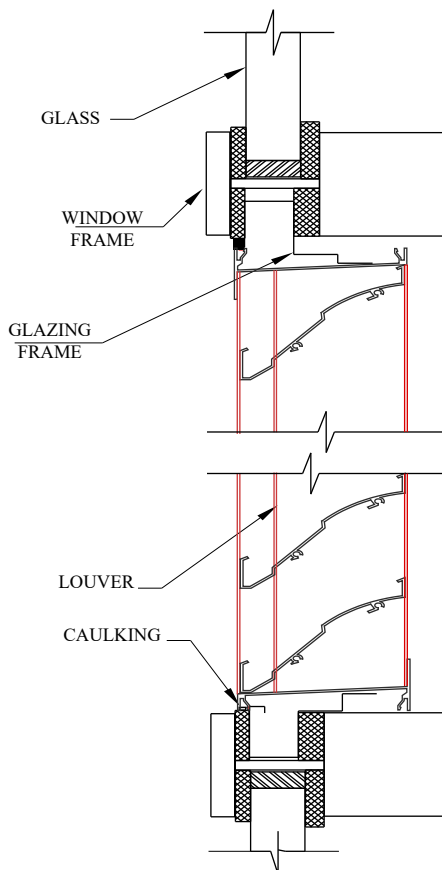
**MASONRY WALL
INSTALLATION**



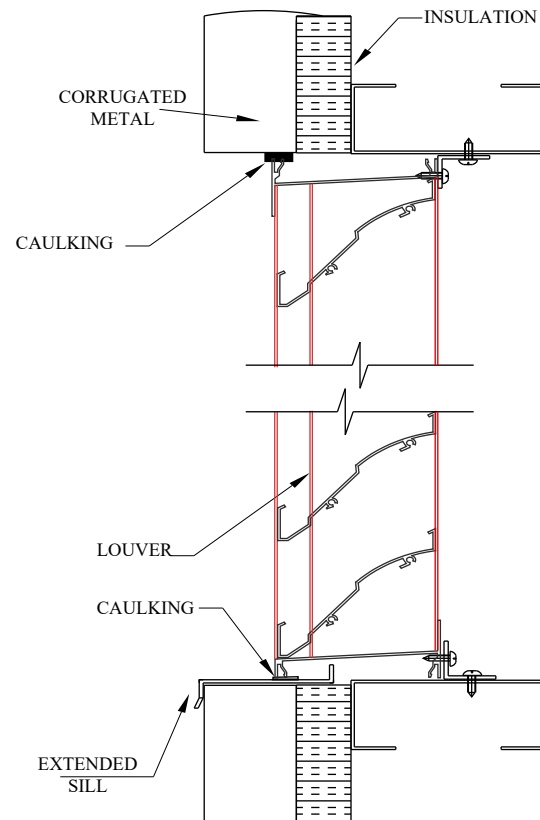
FLANGE MOUNT



**GLAZING FRAME
INSTALLATION**



**METAL PANEL
INSTALLATION**



LOUVERS

MODEL K45-DL series

ORDERING INFORMATION

MODEL	FLANGE	SCREEN	FINISH	WIDTH	HEIGHT
K45	-	-	-	--	x --
	↑ DL: Standard DLF: With 30 mm flange	↑ --: Mill Finish (STD) RAL"num" : Any Ral color --: No Screen (Std) BSAL: with Aluminum bird screen BSGI: with Galvanized bird screen BSSS: with Stainless Steel bird screen ISAL: with Aluminum insect screen ISGI: with Galvanized insect screen ISSS: with Stainless Steel insect screen	↑ --: Mill Finish (STD) RAL"num" : Any Ral color	↑ 8"	↑ 8"

• Sizes:

- Minimum size: 200x200mm (8"x8")
- Maximum size: 3658x2337mm (144"x92")
2337x3658mm (92"x144")

•N.B: A 5mm clearance is deducted from your order size.

For more information please consult our engineers.