



RM LOUVER TYPE RETURN AIR GRILLE

ASLI RM series is an architectural exterior decoration louver with the aero-dynamics blade design.

Materials

RM-A

Frame : 1.2 mm aluminium extrusion A6063.
Blade : 1.2 mm aluminium extrusion A6063.

RM-T

Frame : 0.7mm Galvanized steel.
Blade : 0.5mm Galvanized steel.

Surface Finish

Baked white powder coated as standard.
Other available upon request.

Size

All sizes are available upon request.

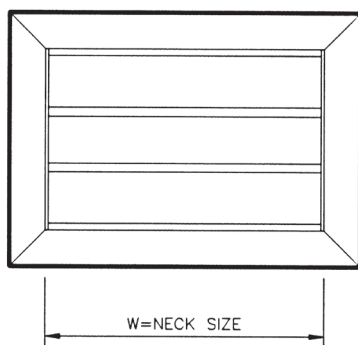
Features

- RM weather louver type return air grille is an architectural exterior decoration louver with its aero-dynamics blade design.
- Used commonly in outdoor air application, i.e. fresh air & exhaust air where rain-proof is a concern. It is also used in door as return air application both mounted on ceiling and wall.
- Blade spacing ranges from 33mm to 42mm.
- The grille will come in more sections for blade length that is more than 600mm.
- Approximately 50% free area.

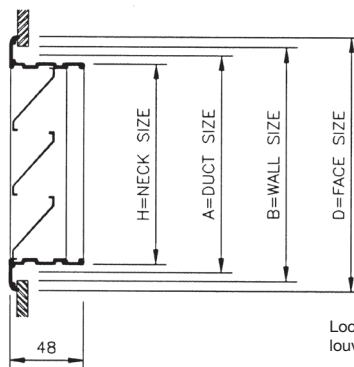
Accessories

- C1 Radial fan Blade damper
- C2 Crown damper
- D2 Adapter
- G1 Opposed blade damper
- IS Insect nettings

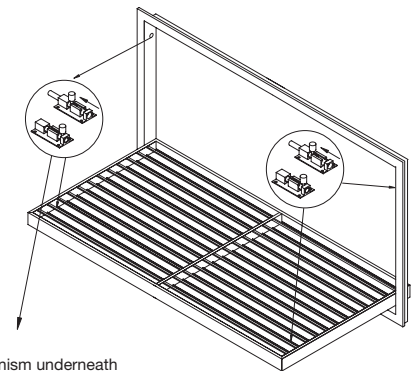
RM Physical Dimension *Unit : mm*



Top View



Sectional View



Locking mechanism underneath louver blade at both sides of frame

Example of RM removable (optional)

Model	A Duct Size	B Wall Size	D Face Size
RM-T	W+10 H+10	W+20 H+20	W+60 H+60
RM-A			W+54 H+54

RM Louver

RM Performance Data

Neck Size Area (m²)	Neck Size (mm x mm)	Neck Vel. (m/s)	2.0	2.5	3.0	3.5	4.0	5.0	6.0
		Vel. Press(mmAq)	0.25	0.4	0.55	0.75	1.0	1.55	2.2
		Neg. SP(mmAq)	2.6	4.0	5.7	7.0	8.2	9.6	13.5
0.025	250 x 100	CMH	180	225	270	315	360	450	540
	200 x 125	NC	18	24	26	30	33	38	44
0.03	300 x 100	CMH	216	270	324	378	432	540	648
	200 x 150	NC	20	26	29	33	36	41	47
0.04	400 x 100	CMH	288	360	432	504	576	720	864
	250 x 150	NC	22	28	31	35	38	43	49
0.045	350 x 125	CMH	324	405	486	567	648	810	972
	300 x 150	NC	23	29	32	36	39	44	50
0.05	350 x 150	CMH	360	450	540	630	720	900	1080
	250 x 200	NC	24	30	33	37	40	45	81
0.06	600 x 100	CMH	432	540	648	756	864	1080	1296
	400 x 150	NC	25	31	34	38	41	46	52
0.075	600 x 125 / 350 x 200	CMH	540	675	810	945	1080	1350	1620
	500 x 150 / 300 x 250	NC	26	32	25	39	42	47	3
0.09	700 x 125 / 400 x 200	CMH	648	810	972	1134	1296	1620	1944
	550 x 150 / 350 x 250	NC	27	33	36	40	43	48	54
0.1	750 x 125 / 450 x 200	CMH	720	900	1080	1260	1440	1800	2160
	660 x 150 / 400 x 250	NC	28	34	37	41	44	49	55
0.12	900 x 125 / 450 x 250	CMH	864	1080	1296	1512	1728	2160	2592
	750 x 150 / 350 x 300	NC	29	35	38	42	45	50	56
0.128	850 x 150 / 500 x 250	CMH	922	1152	1382	1612	1843	2304	2765
	600 x 200 / 400 x 300	NC	29	35	39	43	46	51	57
0.135	1200 x 125 / 450 x 300	CMH	972	1215	1458	1700	1944	2430	2916
	900 x 150 / 400 x 350	NC	30	36	40	44	47	52	58
0.18	900 x 200 / 600 x 300	CMH	1296	1620	1944	2268	2592	3240	3888
	750 x 250 / 450 x 400	NC	31	37	41	45	48	53	59
0.27	750 x 350 / 600 x 450	CMH	1944	2430	2915	3402	3888	4860	5832
	660 x 400 / 550 x 500	NC	33	40	45	48	52	57	62
0.36	1200 x 300 / 750 x 450	CMH	2592	3240	3888	4536	5184	6480	7776
	900 x 400 / 600 x 600	NC	37	42	47	51	56	61	67
0.48	800 X 600	CMH	3456	4320	5184	6048	6912	8640	10368
		NC	38	44	49	53	57	62	67
0.6	1000 X 600	CMH	4320	5400	6480	7560	8640	10800	12960
		NC	39	45	50	54	58	63	69
0.72	1200 x 600	CMH	5184	6480	7776	9072	10368	12960	15552
		NC	40	46	52	55	60	65	70
0.8	1000 x 800	CMH	5760	7200	8640	10080	11520	14400	17280
		NC	41	47	53	56	60	65	71
0.9	900 X 1000	CMH	6480	8100	9720	11340	12960	16200	19440
		NC	42	48	53	57	61	66	72
1.0	1000 X 1000	CMH	7200	9000	10800	12600	14400	18000	21600
		NC	43	49	54	58	62	67	73

• NC value is based on a room absorption of 10 dB, re 10⁻¹² watts.

RM Order Code

Model	Material	Accessories	Face Size	Neck Size
RM	T	G1	B 510 x 160	N 250 x 100

Example : RM - T + G1 - B 510 x 160, N 250 x 100