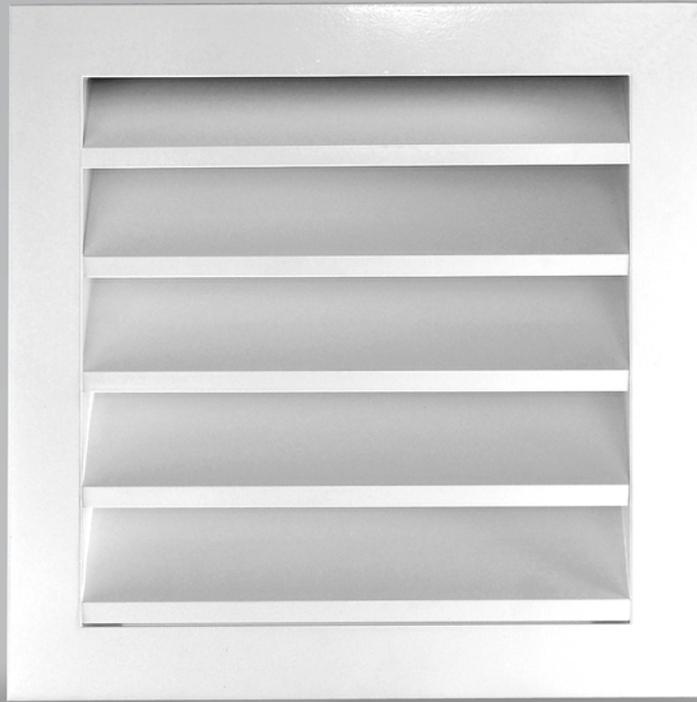


**CONNOLS-AIR**

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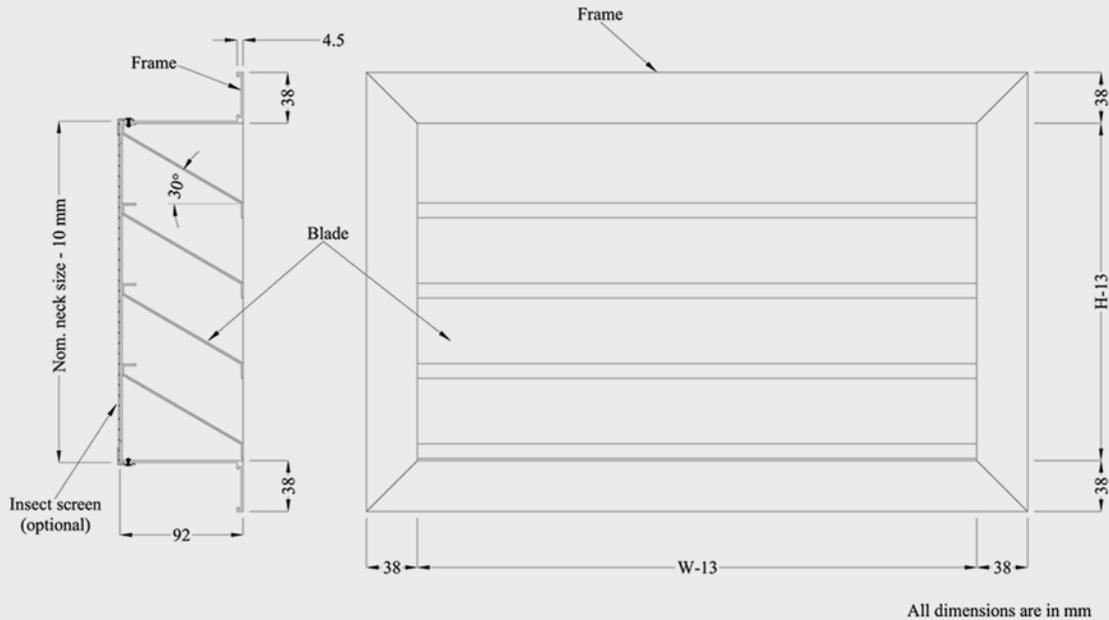
**WEATHERPROOF  
LOUVRE**

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*LEADER IN AIR DISTRIBUTION PRODUCTS*

# Weatherproof Louvre Model 30H



## FEATURE

Model OLS 30H is designed for intake and exhaust ventilation applications. Blades are securely fastened at 30 degree angle and 60mm centers for MAXIMUM WEATHER PROTECTION, MAXIMUM FREE AREA and MINIMUM PRESSURE LOSS. The blades are fixed to the frames with aluminum rivets from the back of the frames and the frames are reinforced with concealed aluminum angle plates so that no fixings are visible on the face. The louvre is constructed of EXTRUDED ALUMINIUM and provided an architecturally STREAMLINE APPEARANCE to the interior and exterior of any building.

## AVAILABILITY

Units are available in standard size at 300mm increments up to maximum width and height of 2000mm according to the restrictions as follows

- A. Height of opening
  - 304 mm maximum
  - 1200 mm maximum where B exceeds 1200 mm
  - 2000 mm maximum where B less than or equal 1200 mm
- B. Width of opening 2000 mm maximum

Where larger sizes are required, sections are joined together with mullions. Minimum vertical height is 300mm.

## FINISHES

All extruded aluminum louvres are in standard baked white enamel finish. Other finishes are available on request.

## ACCESSORIES

Bird and insect screens are available as an optional extra in aluminum, stainless steel, galvanized steel or fabric

material. Unless advised otherwise aluminum insect screen will be supplied.

## ORDERING INSTRUCTIONS

When ordering, please specify the horizontal dimension first followed by the vertical dimension. Indicate whether bird or insect screen is required.

## APPLICATIONS

The 30H louvres are used for intake and exhaust ventilation applications in air-conditioned buildings. It may be used as a decorative louvre in housing flats or office buildings as its construction and attractive finished provide the necessary weather protection and beautiful streamline appearance to the exterior of the building. It may be modified slightly and fitted with hinges, locks or other hardware to serve as hinged or removable panel. For ventilation purpose it is recommended that the minimum size of louvre be 300 x 300 mm. Duct-mounted control damper should be used for control of fresh air intakes.

## SPECIFICATION

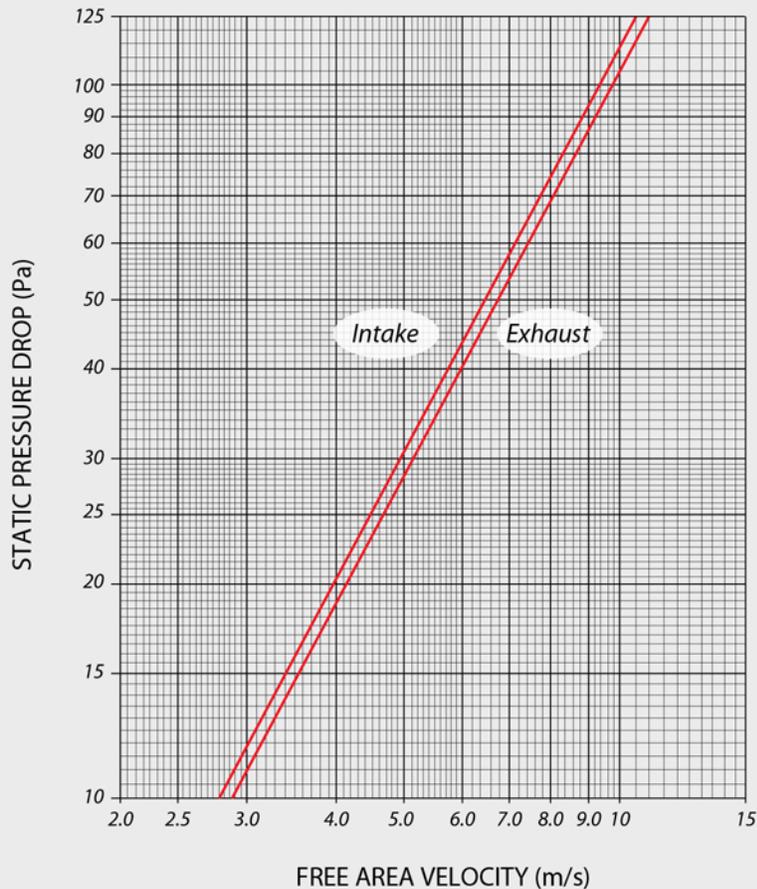
The outside air weatherproof louvres shall be constructed of extruded aluminum and blades shall be horizontal. All outside air louvres shall be weatherproof and of minimum size 300 x 300mm. The corners of the louvre frames shall be reinforced with concealed aluminium angle plates so that no fixing is visible on the face. The blades shall be fixed to the frames with aluminum rivets from the back of frames. The outside air louvres shall be Model 30H as manufactured by Connols-Air (S) Pte Ltd. Externally manual driven duct-mounted control damper shall be used for control of fresh air intake. Whether filter or insect screens are required access shall be provided for cleaning purpose.

## 4-inch 30° Stationary Blade Louvre FREE AREA (sqm)

Nominal Width (mm)

		Nominal Width (mm)										
		300	400	500	600	700	800	900	1000	1100	1200	
Nominal Height (mm)	280	4	0.021	0.028	0.035	0.042	0.049	0.056	0.063	0.070	0.077	0.084
	340	5	0.031	0.041	0.051	0.061	0.071	0.082	0.092	0.102	0.112	0.122
	400	6	0.042	0.056	0.070	0.084	0.098	0.112	0.126	0.140	0.154	0.168
	460	7	0.054	0.072	0.090	0.108	0.126	0.144	0.161	0.179	0.197	0.215
	520	8	0.066	0.087	0.109	0.131	0.153	0.175	0.197	0.218	0.240	0.262
	580	9	0.077	0.102	0.128	0.153	0.179	0.204	0.230	0.255	0.281	0.306
	640	10	0.087	0.116	0.145	0.174	0.203	0.232	0.262	0.291	0.320	0.349
	700	11	0.098	0.131	0.164	0.197	0.229	0.262	0.295	0.328	0.360	0.393
	760	12	0.109	0.146	0.182	0.219	0.255	0.292	0.328	0.365	0.401	0.438
	820	13	0.122	0.163	0.203	0.244	0.285	0.325	0.366	0.407	0.447	0.488
	880	14	0.135	0.180	0.224	0.269	0.314	0.359	0.404	0.449	0.494	0.539
	940	15	0.143	0.192	0.242	0.291	0.341	0.39	0.408	0.489	0.539	0.588
	1000	16	0.153	0.206	0.259	0.312	0.365	0.418	0.44	0.524	0.577	0.63
	1050	17	0.163	0.219	0.276	0.332	0.389	0.445	0.471	0.558	0.615	0.671
	1120	18	0.173	0.233	0.293	0.353	0.413	0.473	0.502	0.593	0.653	0.713
	1180	19	0.183	0.246	0.31	0.373	0.437	0.5	0.533	0.627	0.691	0.754
	1240	20	0.193	0.26	0.327	0.394	0.461	0.528	0.564	0.662	0.729	0.798
	1300	21	0.203	0.274	0.344	0.415	0.485	0.556	0.595	0.697	0.767	0.838
	1360	22	0.213	0.287	0.361	0.435	0.509	0.583	0.626	0.731	0.805	0.879
	1420	23	0.223	0.301	0.378	0.458	0.533	0.611	0.657	0.766	0.843	0.921
	1480	24	0.233	0.314	0.395	0.476	0.557	0.638	0.688	0.8	0.881	0.962
	1540	25	0.243	0.328	0.412	0.497	0.581	0.666	0.719	0.835	0.919	1.004
	1600	26	0.253	0.341	0.429	0.517	0.605	0.693	0.75	0.869	0.957	1.045
	1660	27	0.264	0.355	0.447	0.538	0.63	0.721	0.813	0.904	0.996	1.087
	1720	28	0.274	0.369	0.464	0.559	0.654	0.749	0.844	0.939	1.034	1.129
	1780	29	0.284	0.382	0.481	0.579	0.678	0.776	0.875	0.973	1.072	1.17
	1840	30	0.294	0.396	0.498	0.6	0.702	0.804	0.906	1.008	1.11	1.212
	1900	31	0.304	0.409	0.515	0.62	0.726	0.831	0.937	1.042	1.148	1.253
	1960	32	0.314	0.423	0.532	0.641	0.75	0.859	0.968	1.077	1.186	1.295
	2020	33	0.333	0.444	0.555	0.666	0.777	0.888	0.999	1.111	1.222	1.333

Note: Intake Design Free Velocity  $\leq 2.5$  m/s recommended when minimum water penetration is desired.





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