

CALM S-600

CALM S-600 is a multipurpose acoustic louvre which permits the flow of air while shielding the environment from noise.

Where access is required, CALM S-600 can be supplied as door sets, for inclusion in Colt louvre screens or as stand-alone units. Its linear appearance with superior high frequency performance is suitable for use as mechanical equipment screens, noise barriers, process air intakes, cooling towers inlet silencers and many other applications where attenuation is required.

To ensure the most economical solution, noise control must be considered at the earliest possible design stage. Retrofit installation can be significantly more expensive.

PRODUCT DATA SHEET

CALM S-600

FEATURES AND BENEFITS

SIZES

CALM S-600 is a modular system with each module having the minimum and maximum sizes given below. The modules can be combined to form larger panels.

CALM S-600

Width - Min 300mm - Max 1800mm

Height - Min 600mm - Max 2400mm

Depth - 600mm

Pitch - 200mm

Note:

Width available in 1mm increments

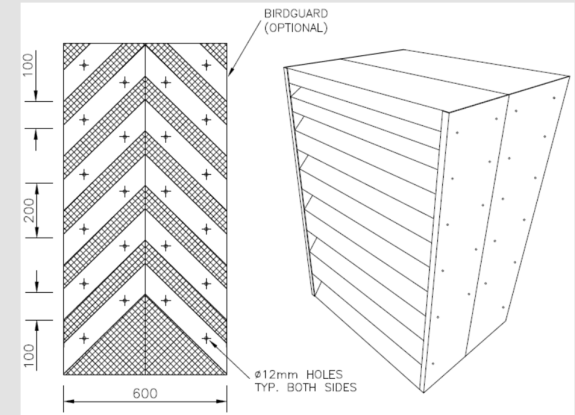
Height available in 1mm increments

MATERIAL

The outer casing and louvre blades are aluminum alloy type 3000 Series. The infill is either organic mineral wool or glass fibre of 47kg/m³ density and packed under not less than 5% compression to eliminate voids due to settlement. The infill is inert, as well as vermin, rot and moisture proof.

WEIGHT

CALM S-600 120kg/m²



PERFORMANCE DATA

Aerodynamic Performance

	Static pressure drop Pascals (Pa)												
Louvre model	10	20	30	40	50	60	70	80	90	100	150	200	
	Face velocity meters per second (m/s)												
CALM S-600	0.68	0.94	1.15	1.30	1.47	1.61	1.77	1.89	2.02	2.13	2.60	2.99	

Transmission Loss (T.L.) - Defined as the ratio, in decibels, of acoustic energy transmitted through the louvre to that incident upon it.

Octave Band Centre Frequency (Hz)	Louvre Depth (mm)	63	125	250	500	1K	2K	4K	8K
CALM S-600	600	7	9	12	24	31	33	29	30

Noise Reduction (N.R.) - The free-field noise reduction of a louvre is the difference, in decibels, between the sound pressure level on the noise source of the louvre and that measured outdoors on the side of the louvre away from the noise source.

Octave Band Centre Frequency (Hz)	Louvre Depth (mm)	63	125	250	500	1K	2K	4K	8K
CALM S-600	600	13	13	18	30	37	39	35	36

