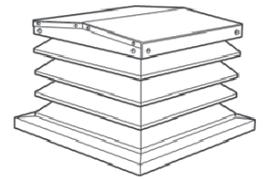


# PENTHOUSE TOWER LOUVRE - PTL

## DESCRIPTION & FEATURES

Penthouse Tower Louvres are rigidly constructed from aluminium extrusions and offer a high degree of weather protection in combination with a large free area (approx. 50%), making them excellent air intake or exhaust units for ventilation through the roof. The tower louvres are made in two types, PTL/A - the smaller unit is assembled and dispatched as a one-piece structure, maximum perimeter 4 metres, maximum height 0.675 metres. PTL/B is supplied and shipped in sections, has no limitation in size apart from that dictated by economy, stability and practicality.

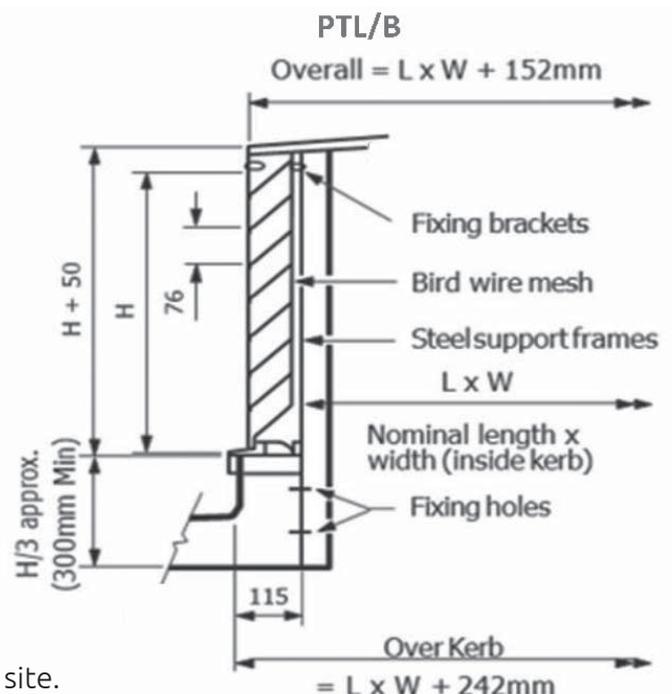
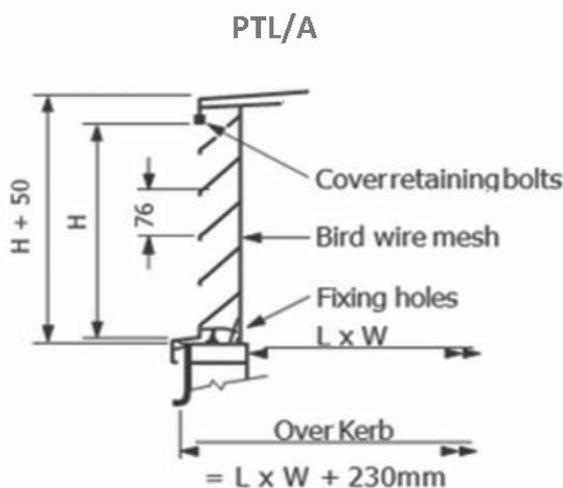


Louvres and cills are 1.6mm extruded aluminium. The roof is fabricated from 14swg aluminium sheet. The bird screen is galvanised wire 25 x 12mm weldmesh (insect mesh is available).

Tower Louvres are supplied in Mill Finish as standard, or polyester powder coated to the customers colour requirement.

PTL ORDERING CODE	
Series	<b>PTL</b>
Const	<b>A</b> - Single structure <b>B</b> - Multi panel assembly
Mesh	<b>B</b> - Bird Mesh <b>I</b> - Insect Mesh <b>0</b> - Not Applicable
Fixing	<b>F0</b> - No fixings <b>F1</b> - CSK Flange Fixing Holes <b>F4</b> - Rear Fixing Strap
Finish	<b>1</b> - (Mill Finish), <b>2</b> - RAL9006 (Silver/Grey) <b>3</b> - RAL9010 (White), <b>4</b> - RAL9005 (Black) <b>5</b> - RAL9003 (White), <b>6</b> - RAL9016 (White), <b>7</b> - Other RAL/BS Code (additional costs may apply) <b>8</b> - Chrome Finish - Powder Coated
Example: PTL/A/B/F0/1/Overall Curb Size	

## PTL DIMENSIONS

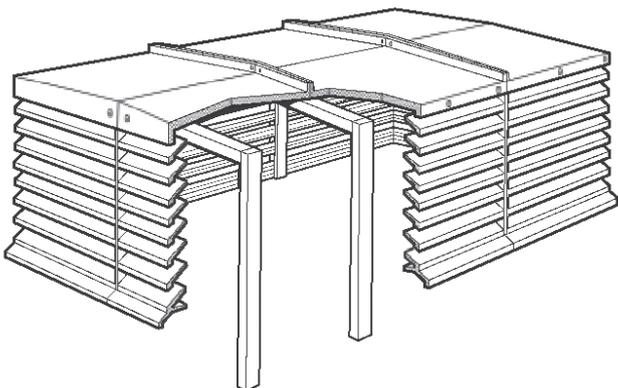
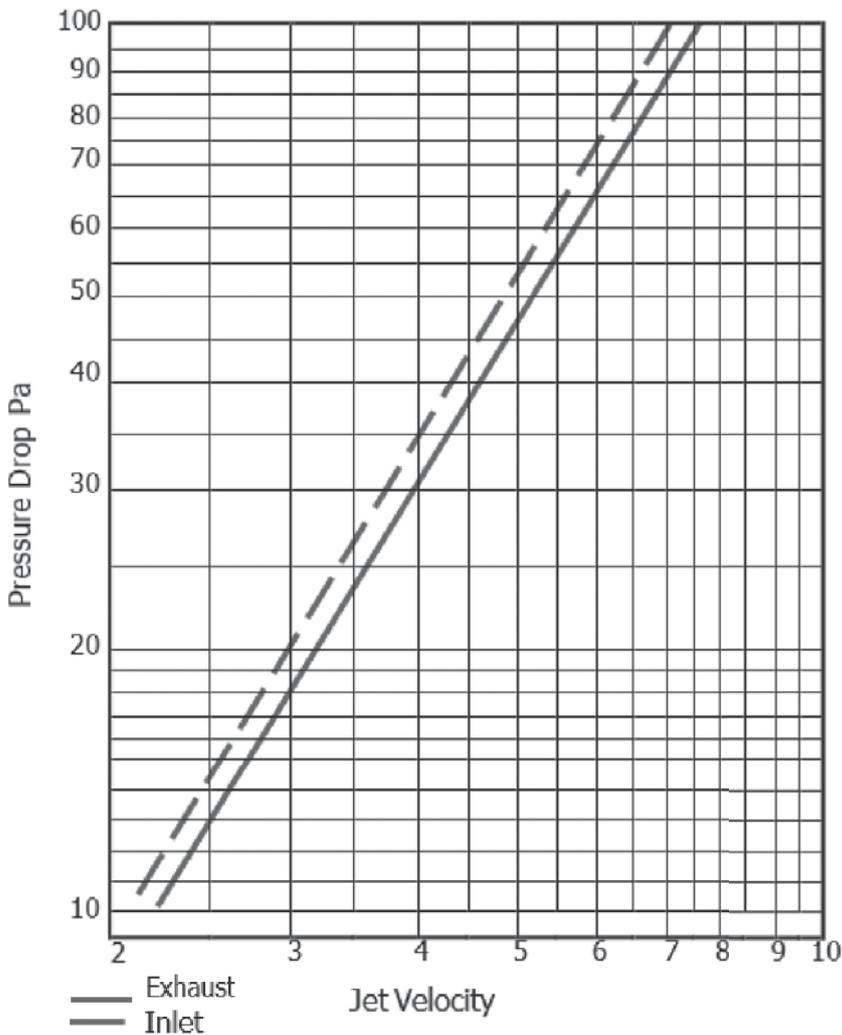


Note: Any Lead Flashing over curb is by others on site.

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## PTL PERFORMANCE DATA

The free area of a Tower Louvre should be equal to or slightly greater than the area of the roof opening. A smaller free area will increase the resistance, a larger free area gives little advantage. To minimise rain or snow carry over on intake requires a low jet velocity. The carry over velocity is approximately 2.25 metres per second. The accompanying table shows the free area in square metres of standard height Tower Louvre for values of length plus width (L & W). However, when used for exhaust the limiting factor is generally resistance to air flow. The graph shows the relationship between pressure drop and roof opening velocity.



The Penthouse Louvre should be selected by us of the formula:

$$\frac{\text{Air Volume}}{\text{Jet Velocity}} = \text{Penthouse Louvre Free Area}$$