

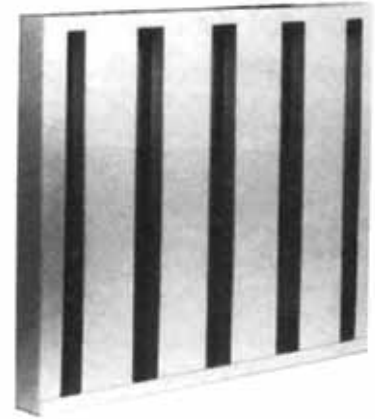
**Model: STL 641**

### Description

Designed to remove the bulk of airborne sand and dust from inlet air in dry, dusty or sandy climates whilst maintaining reasonable air-flow rate characteristics by means of a special double design blade.

Sand Trap Louvers are capable of performing as natural ventilators or to alleviate the load on the main filtration stages of air conditioning equipment.

Sand and dust is evacuated from the base of the louver by means of special sand collection / dispersion grill, keeping maintenance to a minimum and ensuring the designed air flow rate under all conditions.



## Standard Construction

### Frame

- Fabricated from Aluminium extruded profile channels with thickness 1mm (20G).
- GI/SS construction optional.

### Blade

- High quality, Aluminum extruded profile baffles.

### Options

- Birds wire guards insect mesh, Aluminium filter, Aluminium filter with damper are available as options.

### Materials and finishes

- STL can be supplied in many different materials and finishes. Our standard is Aluminium mill finish.
- Stainless steel and Mild steel construction optional.
- Powder coating to the matching exterior RAL colour and various types of paint finishes are available.

### Sizes and models

- Available in Width and height increments of 50mm.
- There are no standard sizes for Sand Trap Louvers as each louver is customized to suit client requirements.
- Larger sizes shall be supplied in sections for field assembly.

### Efficiency

- Approximately 40% to 60% can be expected at velocities of 1.5 m/s dependent on sand / dust particle size.

### Application

- Typical application would be for air-conditioning plant rooms, paint booth, compressor and generator housings, where there is a need for pre-filter thus avoiding excessive duct loading of conventional filters.
- It is not intended as a substitute for conventional supply air filtration plant.

### Also available

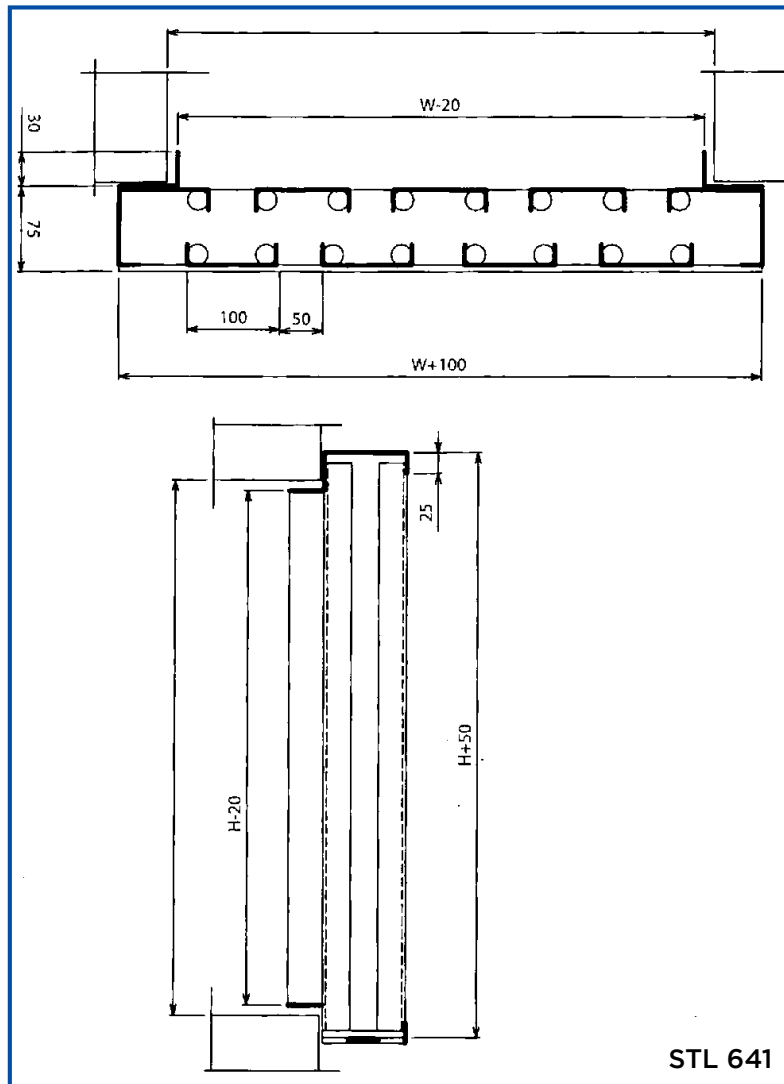
**Model STL GI 641:** Frame and baffles made from GI.

**Model STL AL 641:** Frame and baffles made from AL.

**Model STL SS 641:** Frame and baffles made from SS.

*See overleaf for product sketches.*

## DIMENSIONS (mm)



# VENTANA LOUVERS 600 SERIES

## FRESH/EXHAUST AIR LOUVERS

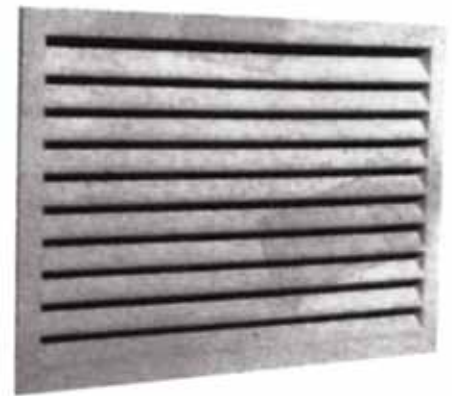
**Model: FAL 649 AL**  
**Model: EAL 649 AL**

### Description

Designed for both intake and exhaust air service in commercial and industrial application.

Total structure is weather-proof and blades inclined downwards to protect against rain water.

These louvers are zero maintenance and ensure the designed air flow rate under all conditions.



## Standard Construction

### Frame

- Casing / Frame is fabricated from 1.2mm extruded aluminium profile as standard.
- Higher thickness of 2mm to 3mm can be provided for heavy duty construction

### Blade

- High quality blades fabricated from Aluminum extruded profile blades with 1.2mm thickness.
- Higher thickness of 2mm to 3mm can be provided for heavy duty construction
- Blades are inclined at 60 degree on 60mm blade pitch centre to minimize water ingress.
- Other inclinations are available upon request. Bird mesh guard of size 12 x 12 x 1mm diameter PVC coated GI as standard supply. Insect mesh available on request.

### Options

- Insect mesh in GI - code I
- Insect mesh in SS - code IS
- Bird mesh in GI - code T
- Bird mesh in SS - code TS
- Powder coated to RAL color - code Z
- Bird mesh in PVC coated GI welded mesh - code PT
- Filter - code FT

### Also available

**Model FAL / EAL 649:** Frame and baffles made from GI.

**Model FAL / EAL 649:** Frame and baffles made from SS.

*See overleaf for product sketches.*

### Efficiency

- Approximately 40% to 60% can be expected at velocities of 1.5 m/s.

### Materials and finishes

- Fresh AIR Louver (FAL) can be supplied in many different materials and finishes. Our standard is Aluminium mill finish.
- Powder coating to the matching exterior RAL color and various types of paint finishes are available.

### Sizes and models

- Available in Width and height increments of 50mm. There are no standard sizes for Sand Trap Louvers as each louvers is customized to suit client requirements.
- Larger sizes shall be supplied in sections for field assembly.

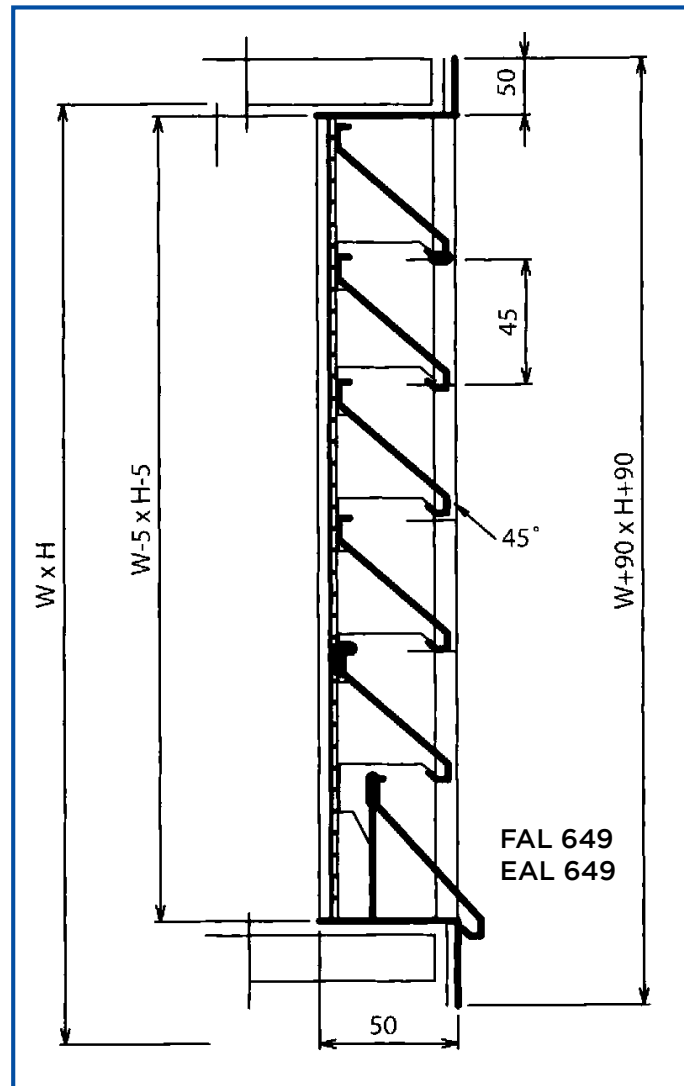
### Application

- Typical application would be for air conditioning plant rooms. Paint booth, compressor and generator housings, where there is a need for pre-filter thus avoiding excessive duct loading of conventional filters.
- It is not intended as a substitute for conventional supply air filtration plant.

# VENTANA LOUVERS 600 SERIES

FRESH/EXHAUST AIR  
LOUVERS

## DIMENSIONS (mm)



# VENTANA LOUVERS 600 SERIES

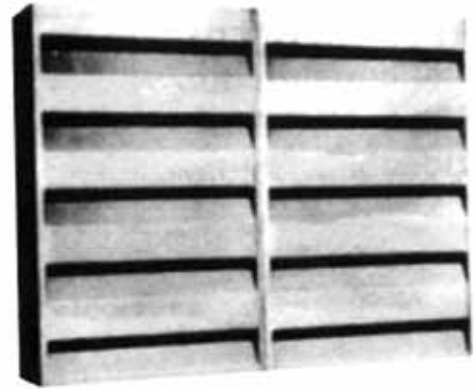
## ACOUSTIC LOUVERS

**Model: ATL 631 GI**

### Description

Designed to reduce noise while maintaining both intake and exhaust air service.

Baffles are inclined at 40° in 300mm pitch, which provides resistance to water ingress with acoustic properties. The baffles are manufactured from 20G GI and 20G GI perforated sheet filled with insulating material, which is inert, incombustible, non hygroscopic and vermin proof of density 24kg/mm<sup>3</sup>. The installation is enclosed and covered with a perforated sheet suitable for velocities upto 20m/s. Fram/casing is made from ga. (1.2mm) galvanized steel



## Standard Construction

### Frame

- Casing / Frame is fabricated from 3mm heavy duty extruded aluminium profile as standard.
- Other gauges available upon request.

### Blade

- High quality blades fabricated from Aluminum extruded profile blades with 1.2mm thickness.
- Blades are inclined at 60 degree on 60mm blade pitch centre to minimize water ingress.
- Other inclinations are available upon request. Bird mesh guard of size 12 x 12 x 1mm diameter PVC coated GI as standard supply. Insect mesh available on request.

### Options

- Insect mesh in GI - code I
- Insect mesh in SS - code IS
- Bird mesh in GI - code T
- Bird mesh in SS - code TS
- Powder coated to RAL color - code Z
- Bird mesh in PVC coated GI welded mesh - code PT
- Filter - code FT

### Also available

**Model FAL / EAL 631:** Frame and baffles made from AL

**Model FAL / EAL 631:** Frame and baffles made from SS

*See overleaf for product sketches.*

### Materials and finishes

- Fresh AIR Louver (FAL) can be supplied in many different materials and finishes. Our standard is Aluminium mill finish. Powder coating to the matching exterior RAL color and various types of paint finishes are available.

### Sizes and models

- Available in Width and height increments of 50mm. There are no standard sizes for Sand Trap Louvers as each louver is customized to suit client requirements.
- Larger sizes shall be supplied in sections for field assembly.

### Efficiency

- Approximately 40% to 60% can be expected at velocities of 1.5 m/s.

### Application

- Typical application would be for air conditioning plant rooms. Paint booth, compressor and generator housings, where there is a need for pre-filter thus avoiding excessive duct loading of conventional filters.
- It is not intended as a substitute for conventional supply air filtration plant.

## DIMENSIONS (mm)

