

### Introduction

Grilles and Registers manufactured by Jersey have adjustable blades and are available in single or double deflection models. The Single deflection grilles are designed to have one set of blades in the horizontal or vertical orientation.

Air Pattern is adjustable in one plane only. The Horizontal type provides the control over the deflection of the air pattern on adjustments whereas the vertical type provides the spread control of the air pattern reducing both throw and drop.

### Application

- Recommended for heating, cooling, and ventilating applications
- Versatile directional, throw distance, and spread pattern control
- Typically installed high in a sidewall, soffit, or duct
- Supply air Grille that provides a horizontal air pattern along the ceiling

### Product Features

- Single deflection supply grilles using extruded aluminium profiles.
- Single set of horizontal or vertical blades
- Aerodynamic blade design, resulting in lowest achievable sound and pressure levels.
- Foam gasket seals at the rear of the frame.
- 19mm (3/4") or 12.5mm (1/2") spacing of individually adjustable blades.
- Blades rotate smoothly without bending.
- Registers include a factory attached, opposed blade volume control damper

### Construction

- Heavy duty extruded Aluminium construction
- Maximum size one piece construction is 1200mm x 1200mm (48" x 48").
- Larger sizes shipped in multiple sections for field assembly
- Powder coated to RAL 9010 finish or any other RAL colour

### Grille Options

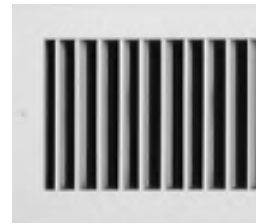
- Aluminium opposed blade volume control dampers.
- Stainless Steel SS304 or SS316 construction (consult factory)
- Custom or optional RAL colours (RAL codes to be provided)

### Accessories

- Opposed Blade Damper – Model OBD

### Selection Procedure

- Selections can be made by means of straight read-off from the "Performance Tables"
- Determine air volume flow rate per outlet.
- Establish the required throw (Refer Notes for Throw Pattern)
- Select the grilles based on required Air flow rate against the limiting pressure drop and sound level requirements.



#### Model KX1-V

Vertical Front Adjustable Blades  
19mm (3/4") Spacing



#### Model KX1-H

Horizontal Front Adjustable Blades  
19mm (3/4") Spacing



#### Model KX15-V

Vertical Front Adjustable Blades  
12.5mm (1/2") Spacing



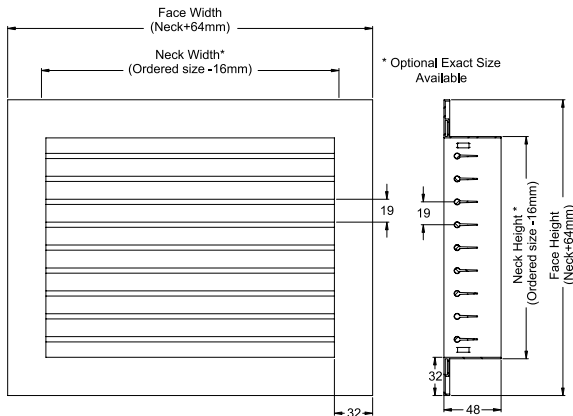
#### Model KX15-H

Horizontal Front Adjustable Blades  
12.5mm (1/2") Spacing

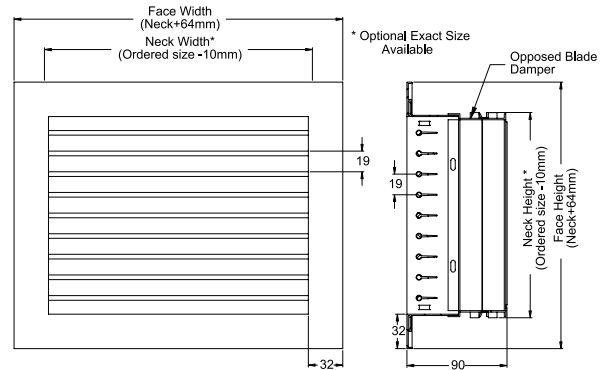
#### Product Selection Check List

- Select Unit size (L x W) based on desired performance characteristics.
- Select outlet type by Model No.
- Select Blade orientation
- Select volume control accessories, if desired (OBD)
- Select RAL Colour

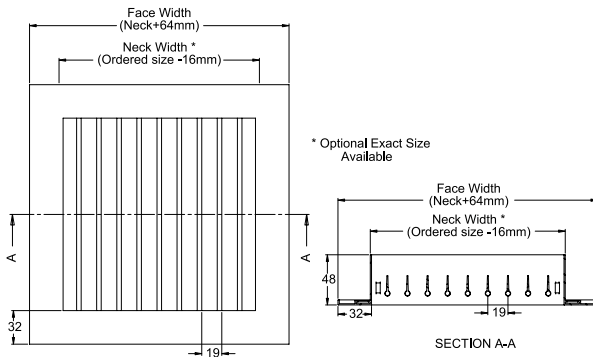
## Dimensions



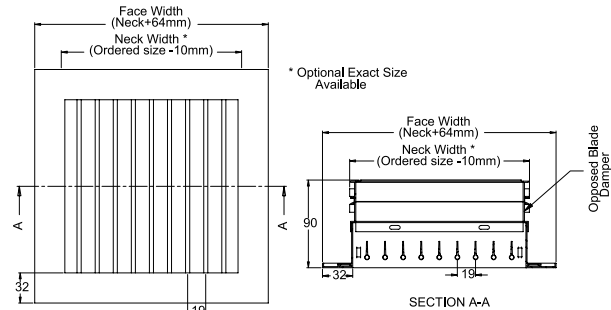
Model KX1H - ¾" (19mm) spacing



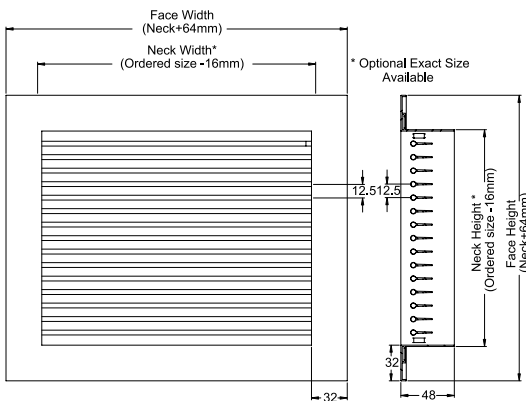
Model KX1H/O - ¾" (19mm) spacing



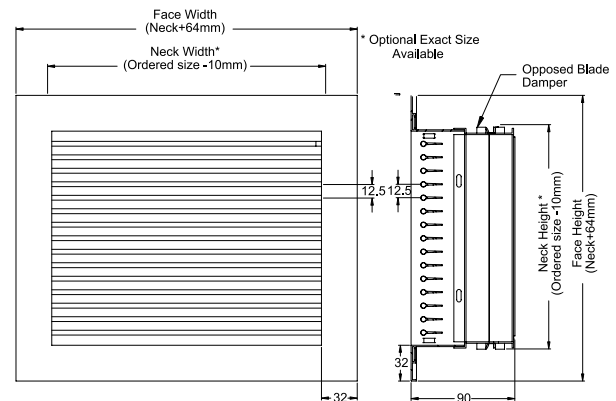
Model KX1V - ¾" (19mm) spacing



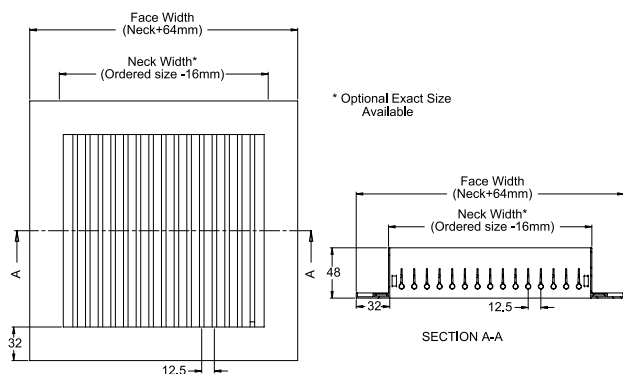
Model KX1V/O - ¾" (19mm) spacing



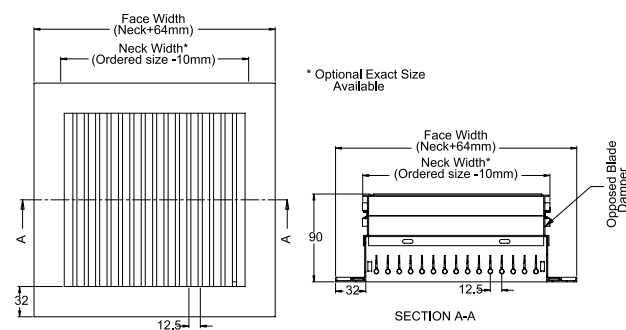
Model KX15H - ½" (12mm) spacing



Model KX15H/O - ½" (12mm) spacing



Model KX15V - ½" (12mm) spacing



Model KX15V/O - ½" (12mm) spacing