

# Model XHFG Extra Heavy Floor Grille



## Introduction

Aerotech XHFG extra heavy duty floor grille is one of the most advanced floor grilles available in the market. It has been designed for light to extra heavy duty application such as office and computer floors. The grille is a 600mm sq. tile replacement with a recessed border style and easy "Drop In" feature. This design is pencil proof, prevent heel penetration and snagging. The blades are fully supported at the sides for maximum strength and rigidity. This design is suitable for use with most types of raised floor pedestal system. Prior to despatch all floor grille corners are machined to match with the floor type and surface covering ensuring that floor level is always maintained.

## Finish

- Mill finish is standard, other finishes are available on request.

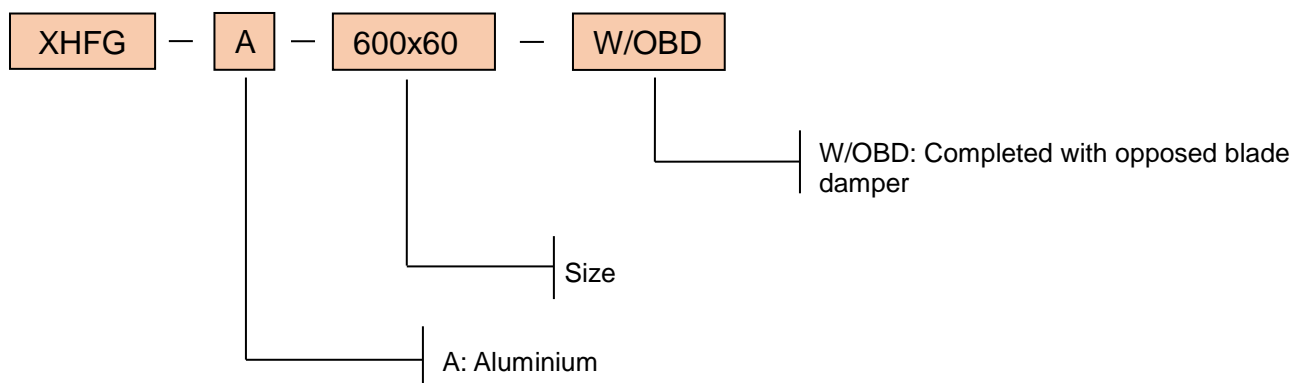
## Accessories

- Opposed blade damper (OBD).

## Features

- Construct of High Grade Aluminium Extrusions Solid extruded blades.
- Special Frame Suitable for Most Pedestal Flooring Systems.
- Robust Design.
- Recessed Border Style.
- Reversible core (0° or 15° discharge)
- Tested to PSA MOB PF2 PS/SPU Specification.  
Extra Heavy Duty 4.5kN over 25mm sq.  
Impact test of 40kg at 1metre height.

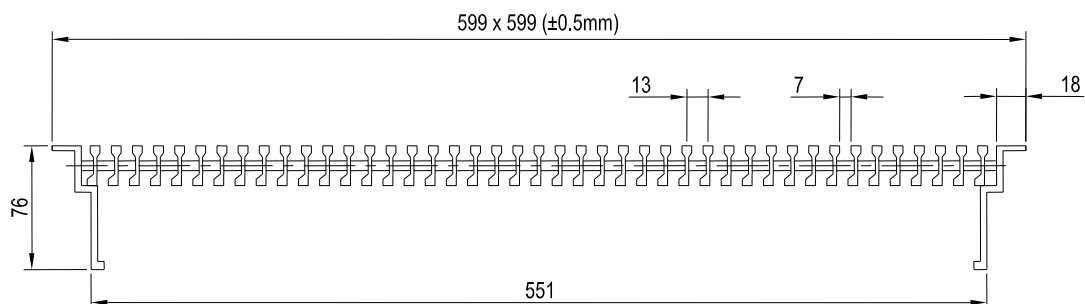
## Order Code



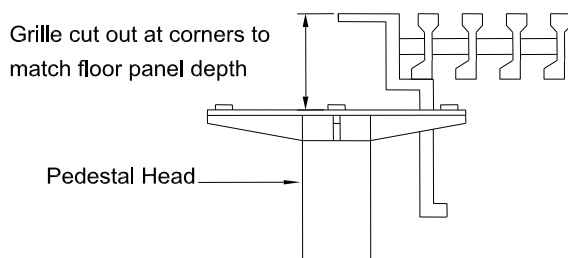
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## Dimensional Data



### Typical Corner Detail



## Performance Data

Air Flow Rate (l/s)		300	350	400	450	500	550	600
Supply	Throw m	2	2.3	2.6	2.9	3.2	3.5	3.7
	SP Pa	<3	3.1	4.4	5.7	6.7	7.5	8.6
	NR	<20	<20	<20	<20	21	22	23
Return	SP Pa	3.8	5.1	6.4	7.7	9.3	11	13
	NR	<20	<20	<20	<20	22	25	29

NR level is the peak level on a noise rating curve based on sound power level re  $10^{-12}W$  less 8dB for room absorption.

Throw is the perpendicular distance from grille face at which the velocity of the airstream has retarded to 0.5m/s.

SP is the static pressure loss

Use interpolator to determinate the performance of grille size not on the list.