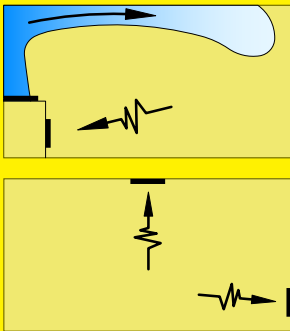


Fixed exhaust air

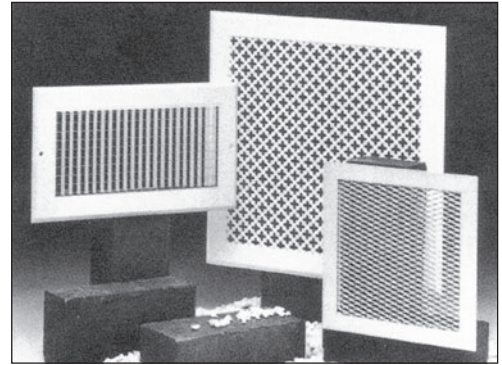
MESH GRILLES

introduction



In addition to the R type return air grilles, Brooke Air offer a range of exhaust air terminals with decorative core facings of either eggcrate, expanded aluminium mesh, or perforated steel.

Perforated types are manufactured as standard with a 4.5mm diameter hole format having a 45% free area, but a wide variety of decorative hole formats are also available with varying free areas.



The perforated and eggcrate versions are available with removable cores for ease of access and cleaning.

type

E5C - EXP - PER

control

Opposed blade volume control damper - OB

options

For all additional available options, border styles, fixings, finishes and plenums see document **PART L**

fixings

Standard fixing method is by countersunk screw through the flange - SC
Preferred secret fixing method by removable core - RC
Safety cords can be fitted - S Cord

finish

Standard finish is satin anodised aluminium - SAA

sizes

Exhaust air grilles are available in sizes ranging from 100 mm x 100 mm to a maximum of 1200 mm x 1200 mm, depending on the core type. Larger sizes can however be supplied in modular sections.

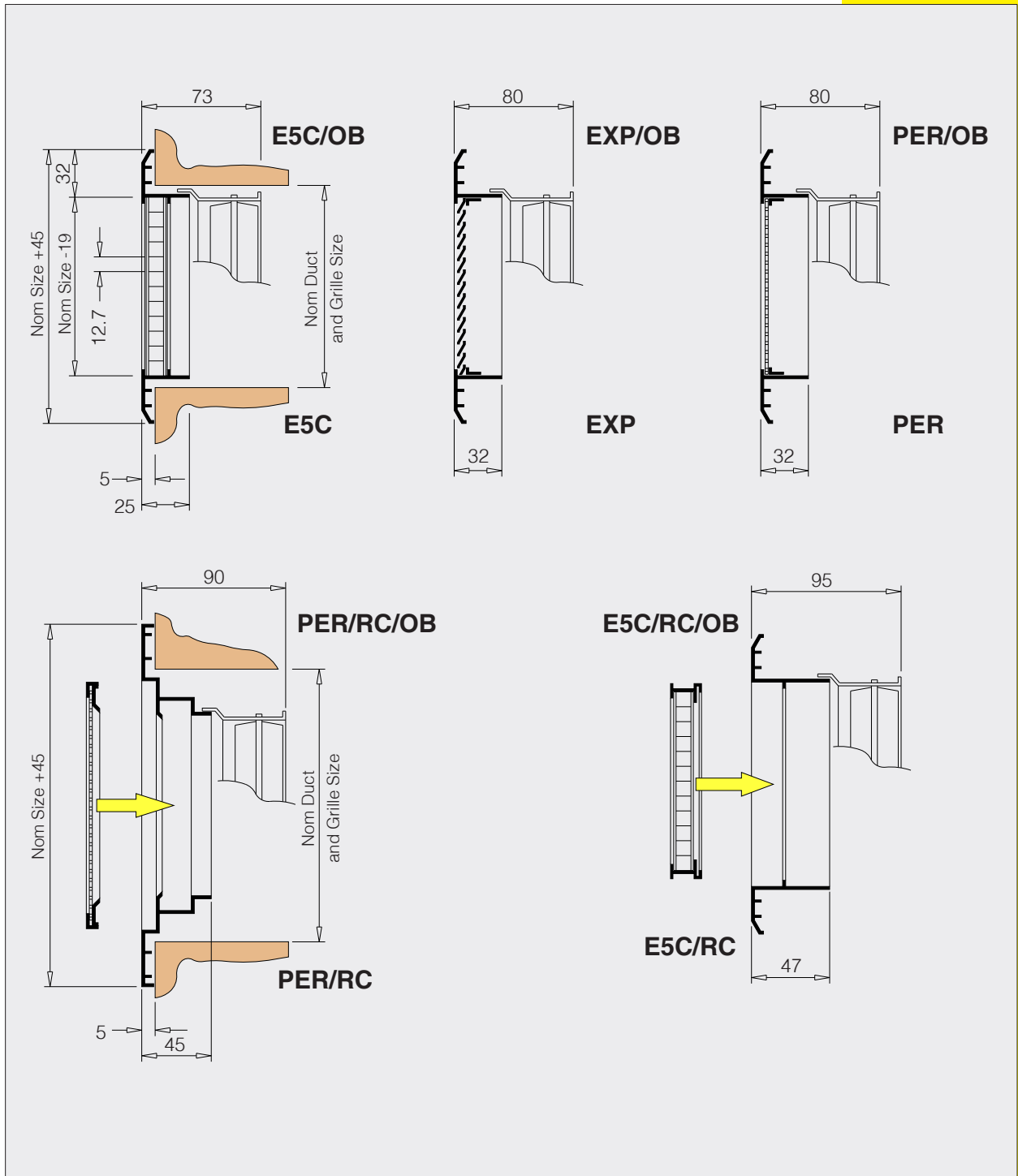
ordering details

example:

type	control	borders	fixing	finish	width	height	quantity
ESC	/ OB	/ 32	/ SC	/ SAA	/ 600	/ 300	/ 6

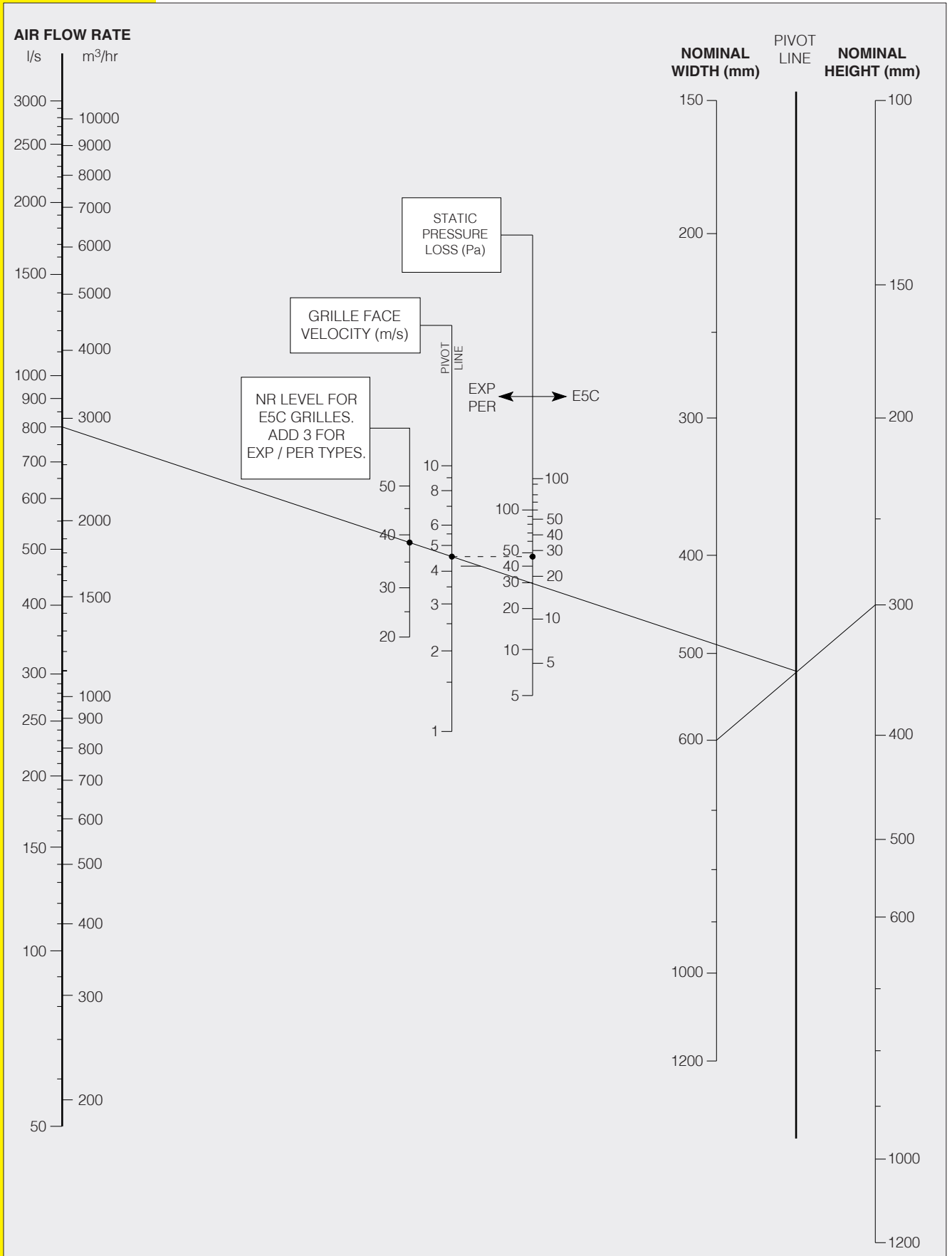
Fixed exhaust air

DIMENSIONS



Fixed exhaust air

SELECTION NOMOGRAM



Fixed exhaust air

BASIS OF DATA

Acoustic data is presented in terms of NR levels based on a room absorption factor of 8dB.

Grille free areas vary slightly with size due to the relationship between the nominal and inside face dimensions, but for the purpose of calculations, the following figures may be used:-

E5C-82% free area PER-40% free area EXP-50% free area

free areas

example

SELECTION EXAMPLE			
	GRILLE TYPE	NR	Ps (Pa)
600mm x 300mm RETURN AIR GRILLE PASSING AN AIR FLOW RATE OF 800 l/s	E5C	39	28
	PER / EXP	42	45