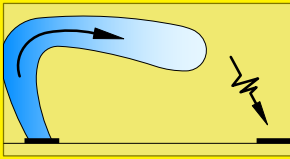


Supply and exhaust air

COMPUTER ROOM FLOOR GRILLES

introduction



The CRFG is a medium duty tile replacement panel floor grille, designed to withstand a medium loading and or foot traffic. Ideal for use in most computer room environments, public areas or general office premises. The CRFG is suitable for use with either supply or extract systems and may be fitted with an optional opposed blade damper.



The CRFG has been tested to **PSA MOB PF2 PS/SPU** March 1992 British / European specification.

type

CRFG

control

Opposed blade volume control damper - OB

options

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

fixings

CRFG type grilles are designed for lay-in installation.

finish

Standard finish is satin anodised aluminium - SAA
Optional finishes include Mill and Nylon Coated.

sizes

Floor grilles are available as a 599mm x 599mm tile to intergrate with most manufacturers standard tile size, other sizes are available on request.

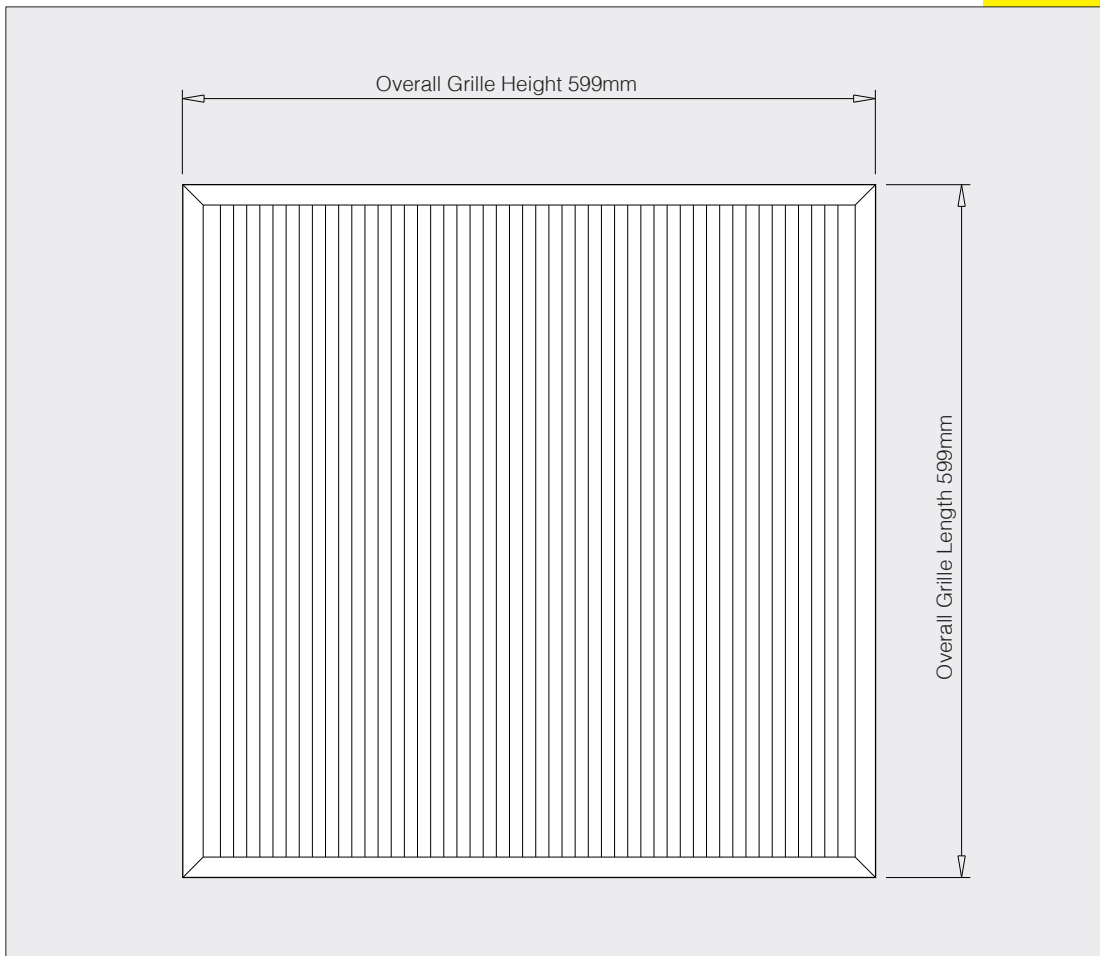
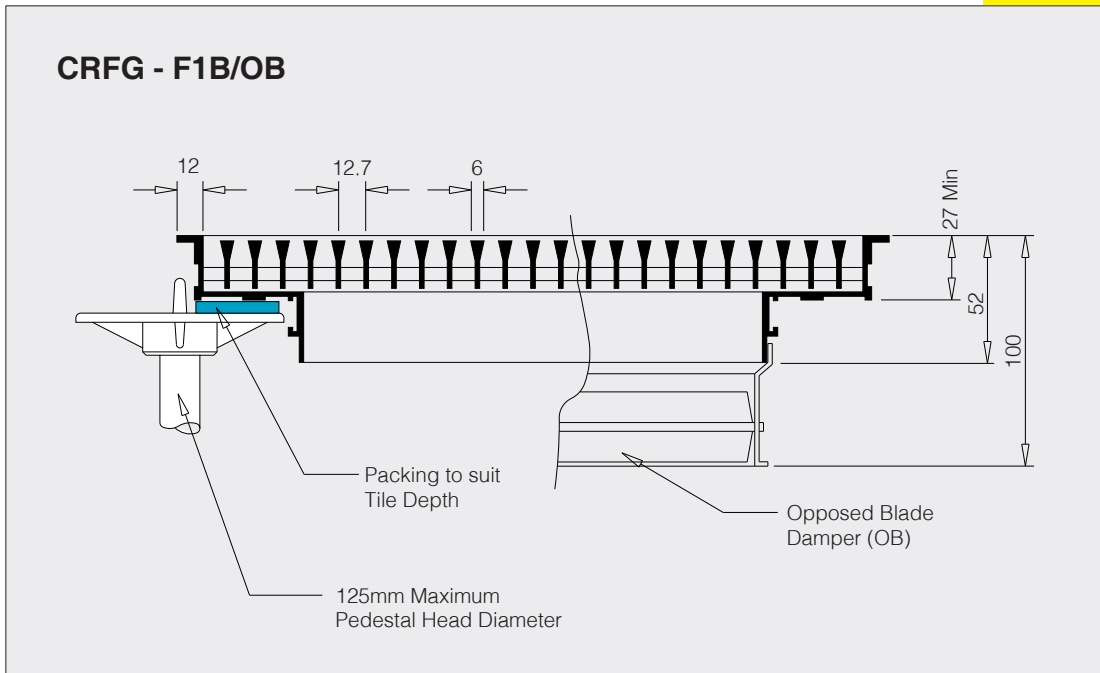
ordering details

example:

type	control	fixing	finish	width	height	quantity
CRFG/F1B	/ OB	/ SC	/ SAA	/ 599	/ 599	/ 6

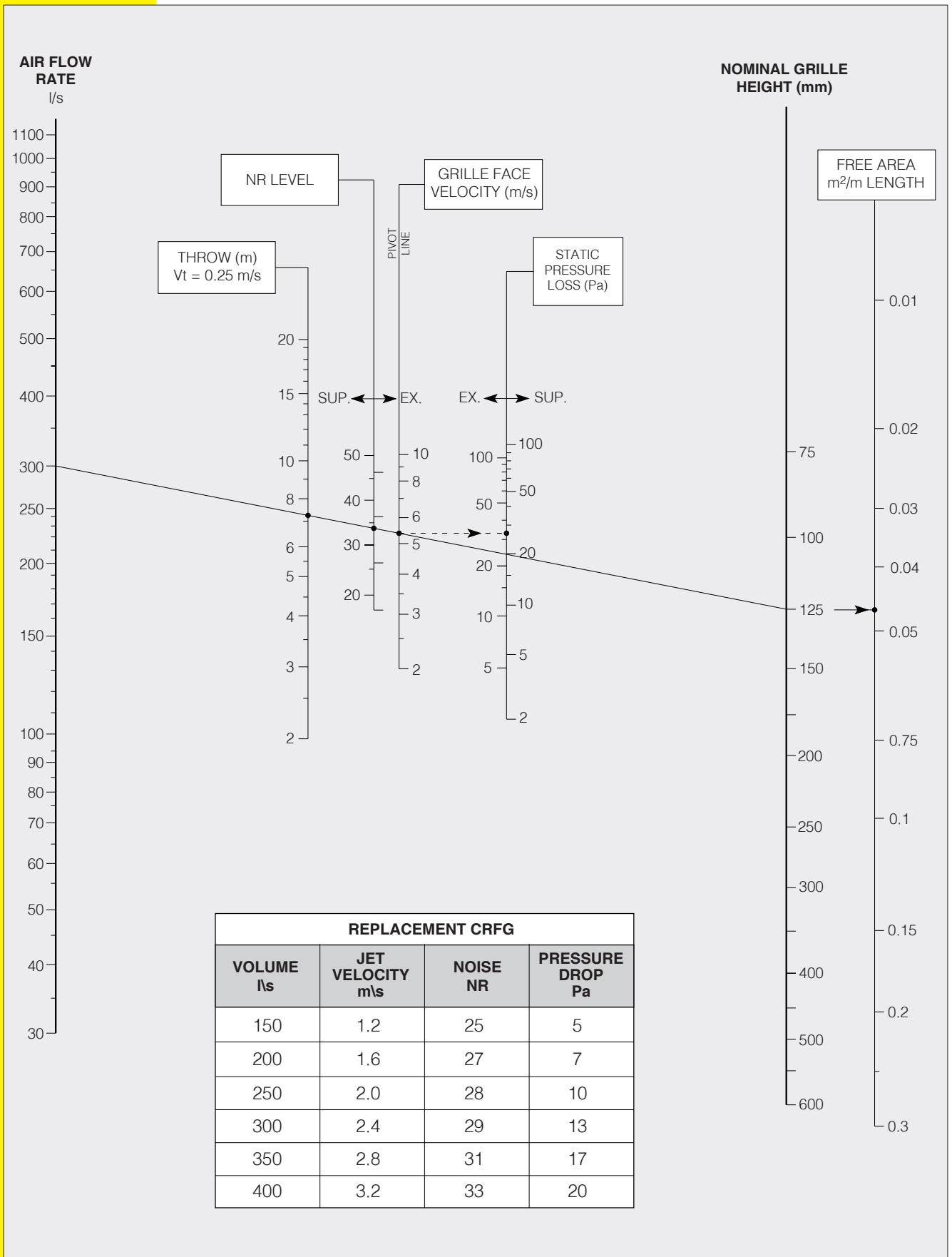
Supply and exhaust air

DIMENSIONS



Supply and exhaust air

SELECTION NOMOGRAM



Supply and exhaust air

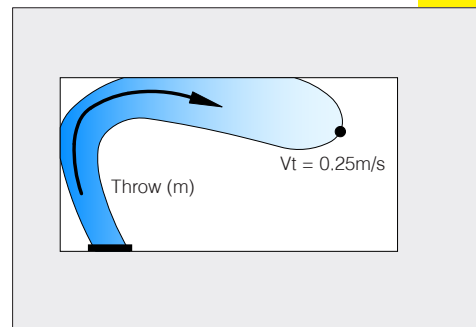
BASIS OF DATA

Throw data is for a 1.2m grille positioned within 250mm of an adjacent surface and is based on isothermal conditions to a terminal velocity (V_t) of 0.25m/s. For mounting distances greater than this, reduce the throws by a factor of 0.7.

Additional factors can be applied for other temperature differentials.

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

correction factors



CORRECTION FACTORS FOR GRILLE LENGTHS				
LENGTH (m)	0.5	2.0	2.5	3.0+
THROW CORRECTION	0.9	1.0	1.1	1.1
NR CORRECTION	-3	+2	+3	+5

TEMPERATURE CORRECTION FACTORS		
TEMPERATURE DIFFERENTIAL	-10	+10
THROW FACTOR	0.9	1.1

example

SELECTION EXAMPLE				
1200mm WIDE GRILLE 125mm HIGH, PASSING AN AIR FLOW RATE OF 300l/s/m (360 l/s total)		THROW (m)	NR	Ps (Pa)
	SUPPLY	7.3	3.4	27
	EXHAUST	---	37	32