

# Multicore diffusers

## PLENUMS AND PAN ADAPTORS

### introduction

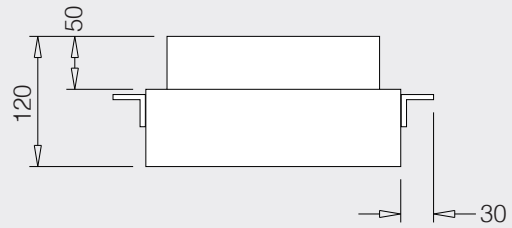
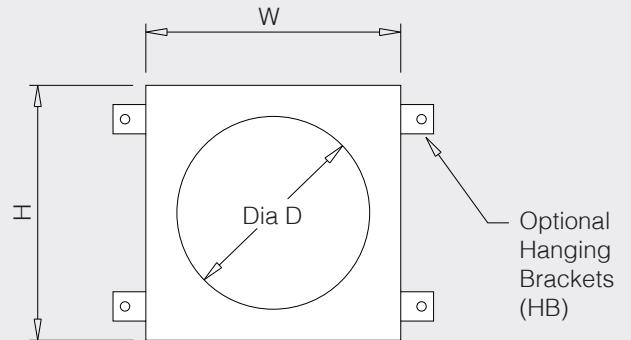
When using pan adaptors with IC diffusers, the noise level and pressure loss should be evaluated on the basis of the spigot air velocity rather than the air flow rate.

Throw data is not influenced by the pan adaptor and can therefore be read directly from the tables.

### type

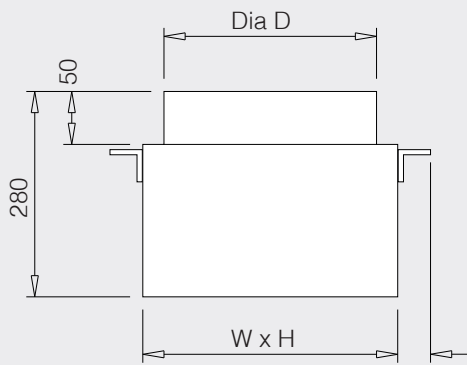
#### ICP - PA

#### Pan Adaptors - PA



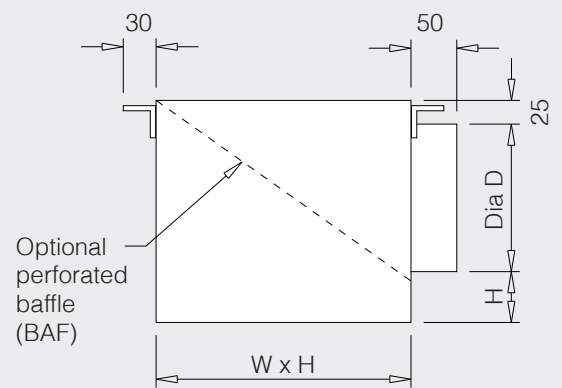
### dimensions

#### Top Entry Plenum - ICP/TE



Suitable for Diffusers with or without Damper

#### Side Entry Plenum - ICP/SE



H = 90 For Diffusers with or 40 without Damper

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Determine the revised performance data at a duty of 280 l/s for a 375mm square neck IC4 diffuser fitted with a 315 diameter pan adaptor.

The pan adaptor spigot air velocity is calculated as 3.6m/s which from the table on page 8 indicates a pressure loss of 27Pa and noise level of NR37.

The minimum and maximum radius of diffusion remain at 1.7m and 3.4m respectively.

**example**

**ordering details**

**EXAMPLE :**

type	option	neck size (W x H)	spigot dia	quantity
ICP/SE	/ BAF	/ 450 x 450	/ 400	/ 4

When ordering pan adaptors and plenums for the IC range, specify the type, the diffuser neck size and the required spigot size.