

## FAN COIL MARKET NOW DOUBLE THE SIZE OF THE CHILLED BEAM MARKET



Figures recently released by BSRIA show a dramatic change in the market place between fan coils and chilled beams. According to the latest BSRIA/HEVAC survey figures the fan coil market value was more than double that of the active chilled beam value in 2010. Active chilled beams include both commodity beams and active multi service chilled beams. The value includes the product unit cost and not any design or installation work. With multi service chilled beams the value of some of the components such as the lights and lighting control can be included in these chilled beam figures. Conversely the value of passive beams has not been included and as this is a relatively low figure it is most likely that these two issues cancel each other out.

So why has this dramatic change to fan coils occurred? Andrew Sargent, General Manager at Advanced Air, explains that the increased energy efficiency of EC motors and the utilisation of variable air volume fan coil units means there is now very little difference in carbon emissions between fan coils and chilled beams.

When AC fan coils at constant speed were utilised the carbon emissions were in some cases 20% higher than chilled beams. At Advanced Air we have developed a unique horizontally mounted EC fan deck for our EPIC range of fan coil units with specific fan powers down to 0.15 w/l/s.

Also this unit is a lower cost compared to chilled beams and provides greater flexibility in location of partitions. The large low speed fan means very low noise levels can be achieved. Advanced air have just completed a project where fan coils had to comply with a demanding NR20 level in the recording studios.

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