

BELT DRIVE FANS



KEY BENEFITS OF USING THE PROCTOR GROUP'S BELT DRIVE FANS



Summer housing of cattle is becoming more common in the UK livestock industry. With cattle having access to straw yards or cubicles throughout the summer months the temperature increase causes heat stress. Many dairy farmers see a reduction in milk production as building temperature increases. The only practical way to cool animals is either with air movement or water misting (evaporative cooling).

Traditionally fans and ducting have been used for the ventilation of cattle sheds and this would still be the preferred method in winter months to maintain ventilation rates and for drying beds to prevent mastitis. As the summer housing requires large volumes of air and draughts to help with cooling belt driven fans have proven to be the answer. These are suspended within the shed to create air movement and also to improve the natural ventilation.

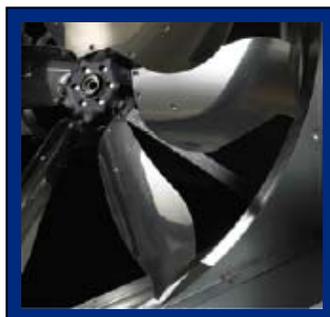
Areas to consider;

- Cubicle sheds
- Loose yards
- Collecting yards
- Finishing sheds
- Heavily stocked slatted buildings

Although adult cattle have been the main area for consideration with heat stress many other species also suffer from warm environments in the summer months, pig and chickens being the obvious two.

On a hot still day when animals are heat stressed flies also become an issue.

Within the UK there seems to be a thought that animals in naturally ventilated buildings do not require the addition of fans and that by making more holes in the roof or improving the ridge that the problem will be solved. Any additional opening will improve natural ventilation but with more and more buildings adjoining each other or the addition of lean tos, the effectiveness of natural ventilation is diminished.



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