

hydor

Tube Ventilation System

Hydor's Tube Ventilation System supplies fresh air to all parts of the building to dilute airborne pathogens and irritants. This system is particularly suitable for livestock buildings, especially calf houses.

Extending through the length of the shed above animal height the system provides a constant, positive supply of fresh air to the animal's immediate location, diluting foul air and ensuring even temperatures irrespective of outside weather conditions.

Dust, cobwebs, condensation, humid atmosphere and damp beds are all a precursor to disease and health problems and a lack of adequate ventilation often leads to a build up of ammonia and microorganisms. The Tube Ventilation System has been proven to reduce cases of pneumonia in livestock as a result of damp and humid air conditions.

features and benefits

- Positive air movement
- Air distribution to the animals immediate environment
- Reduced cases of disease and health problems due to improved air quality and even temperature
- Simple installation
- Low running costs
- Up to 34metre [100feet] tube with holes positioned according to customer's requirements

technical

A 34metre [100feet] x 14metre [45feet] shed would require a 630mm fan, regardless of shed size.

A 24metre [80feet] x 10metre [34feet] shed would require a 450mm fan depending on the number of animals housed.*

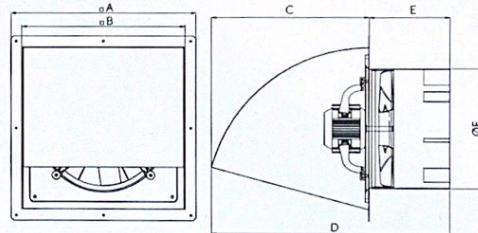
system components

- Hydor HXP Plate Fan
- Plastic external weather cowl complete with integral bird mesh
- Rigid downstream duct/air straightener
- Catenary wire complete with tensioning turnbuckles
- Up to 34metre [100feet] tube with holes. Variable speed Inverter control housed in an IP65 enclosure

*The above is for guidance only. Please contact Hydor for advice on your specific requirement.



dimensional drawing



dimensions

	A	B	C	D	E	F	Weight (kg)
HVSS450	755	645	470	780	310	466	
HVSS630	935	815	555	865	310	656	

Dimensions in mm.

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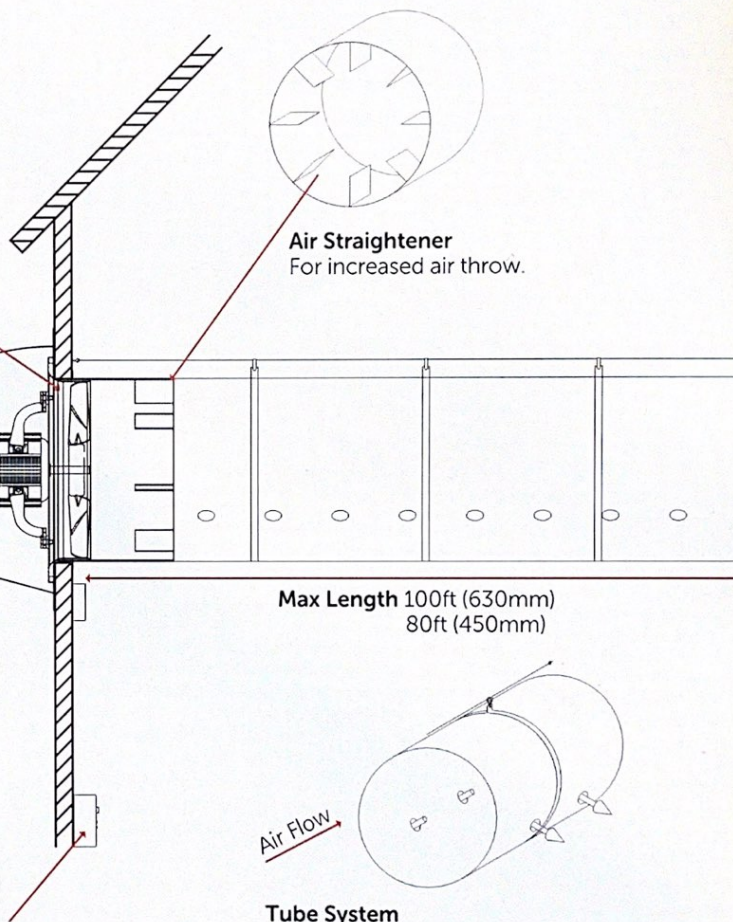
HXP Plate Fan
High efficiency fan designed to pass high volumes of air with minimum use of energy.



Wall Cowl with Bird Mesh
Allows air intake whilst preventing inlet of other kinds (e.g. rain, birds).

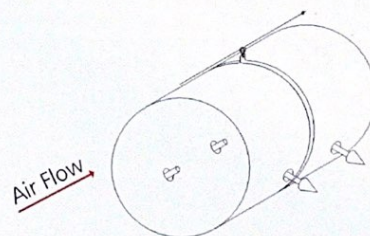


Inverter Controller
Variable speed controller for use with 220V to 240V 1Ph 50Hz supply.



Air Straightener
For increased air throw.

Max Length 100ft (630mm)
80ft (450mm)



Tube System
The tube hangs from a catenary wire which extends along the length of the shed, from wall to wall.

Air flows into the tube, and is distributed along the shed through holes at the four and eight o'clock positions along the tube as shown.

For more information about our Tube Ventilation System please contact us.

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