

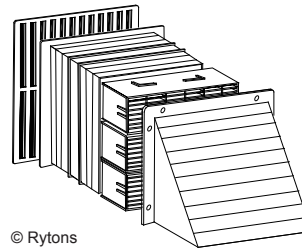
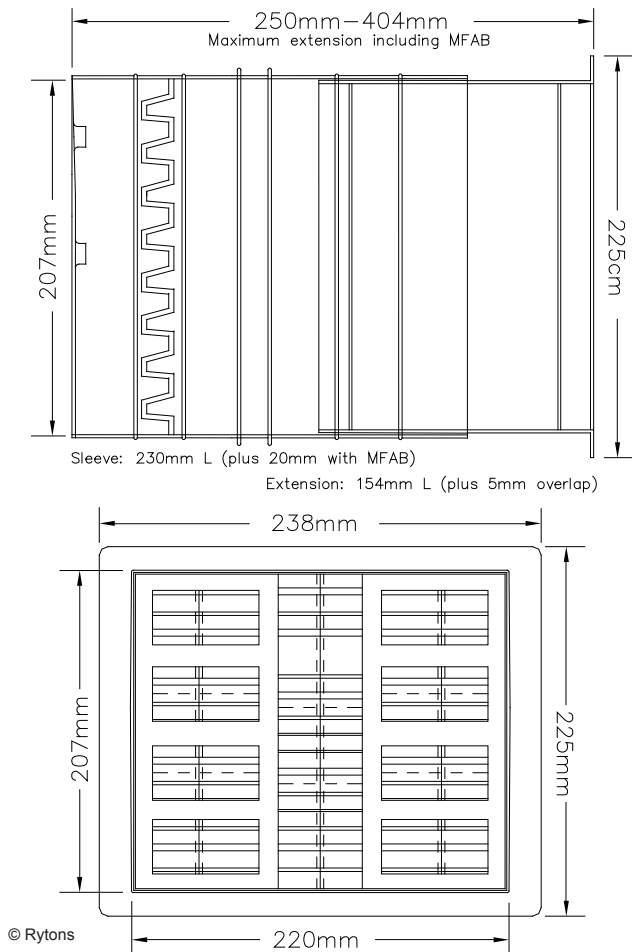
## Technical Data Sheet

### Rytons '9x9' Cowlled Ventilation Set with Hit & Miss Ventilator (Light and Draught Reducing)

[www.vents.co.uk](http://www.vents.co.uk) (search code: TC20HCW)

April 2010

#### Dimensional Drawing (Rytons TCL20000)



#### Approvals and Testing



#### Main Uses, Features and Benefits

- Background ventilator for a habitable room.
- Provides over 11000mm<sup>2</sup> equivalent area.
- Equivalent area calculated by the BRE at 1 Pa to BS EN 13141-1:2004.
- Cowl and internal baffles reduce light and draughts.
- Manually controlled internal hit & miss ventilator with flyscreen.
- Set contains Rytons Cowl '9x9' (ABC9), Rytons Multifix<sup>®</sup> Air Bricks (MFAB) x3, Rytons '9x9' Telescopic AirLine<sup>®</sup> (TCL20000) and Rytons Hit & Miss Ventilator '9x9' (HM123F).
- U.V. stabilised cowl, air brick and hit & miss ventilator to protect against deterioration by sunlight.



#### F30 Accessories/Sundry Items for Brick/Block/Stone Walling

n55Plus

Specification clauses 17, 171

U90 General Ventilation - Domestic

Specification clauses 34, 340

Product Specification Code	Equivalent Area
Rytons TC20HCW	11236mm <sup>2</sup> (112.36cm <sup>2</sup> )

#### Product Specification Code

Rytons TC20HCW.

#### Size

ABC9: 274mm (L) x 235mm (H) x 103mm (D).

MFAB & TCL20000: 220mm (W) x 207mm (H).

Extends from 250mm to 404mm (L) with Rytons Multifix<sup>®</sup> Air Brick fitted.

HM123F: 271mm (L) x 247mm (H).

#### Equivalent Area

11236mm<sup>2</sup> (112.36cm<sup>2</sup>) per unit.

#### Composition

ABC9: U.V. stabilised high impact polystyrene.

MFAB: U.V. stabilised polypropylene.

TCL20000: Polypropylene. *Contains recycled plastic.*

HM123F: U.V. stabilised high impact polystyrene.



## Technical Data Sheet

### Rytons '9x9' Cowled Ventilation Set with Hit & Miss Ventilator (Light and Draught Reducing)

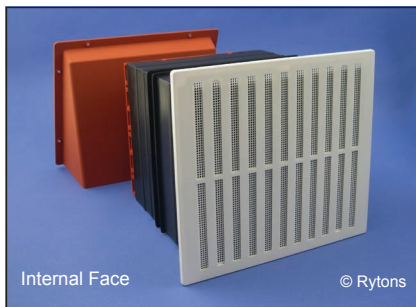
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April 2010

#### Colour Key



#### Photo Library



## Questions

### Is an acoustic option available?

Yes, refer to technical data sheet TAL9HMCWL.

#### Colours

ABC9: Buff/sand, terracotta, white.  
MFAB: Buff/sand, terracotta, white.  
TCL20000: Black.  
HM123F: White.

#### Specification Paragraph

Manufacturer: Rytons Building Products Ltd  
T: 01536 511874, F: 01536 310455, E: admin@rytons.com  
Visit our website at [www.vents.co.uk](http://www.vents.co.uk)  
Product ref:

- Rytons '9x9' Cowled Ventilation Set with Hit & Miss Ventilator Buff/Sand (ref TC20HBCW)
- Rytons '9x9' Cowled Ventilation Set with Hit & Miss Ventilator Terracotta (ref TC20HTCW)
- Rytons '9x9' Cowled Ventilation Set with Hit & Miss Ventilator White (ref TC20HWCW)

Equivalent area: 11236mm<sup>2</sup> (BRE tested)

#### Installation

No special fixing required. Build in cavity liner with fitted air bricks as work proceeds. Extend telescopic sleeve as necessary. Fasten cowl to the brickwork through the pre-formed holes in the flange around the cowl. Fasten hit & miss ventilator internally covering the flange of the AirLiner®. To avoid discomfort from cold draughts the ventilator should be sited not less than 1.7m above floor level.

#### Extra Features and Benefits

Individually boxed sets for easy identification, handling and efficient installation.

Cowl prevents infiltration of wind driven rain and snow and alleviates air blasts through the cavity which may cause discomfort in a room.

Air brick louvres promote unrestricted air flow and reduce the risk of blockage as well as keeping large insects out. Also features built-in water baffles to prevent water penetration.

External AirLiner® baffles prevent water transfer across the cavity.

Flush face and slim design of the hit & miss gives a neat internal appearance.

Hit & miss quickly and easily installed and removed for cleaning.

#### A bit about the BRE

The Building Research Establishment Ltd is a respected independent testing authority. Since 2006 Rytons has commissioned the BRE to calculate the equivalent free area of their heat producing appliance and background ventilators giving installers, suppliers and homeowners the confidence that the air space is **accurate** and **verifiable**.

#### UK Regulations, Standards and Guidelines

The Building Regulations 2000, Approved Document F 2006 edition.

The Building (Scotland) Regulations 2007, Mandatory Standard 3.14.

The Building Regulations (Northern Ireland) 2000, Technical Booklet K.

British Standard BS 5250:2002.

#### Handling Information

Box quantity: 1 set.

Box size: 27.5cm (W) x 28.5cm (H) x 27cm (D).

Box weight: 1.57kg.



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