

6in. model

Electrical connections

Connection to the supply should be made by means of a 3-core cable and a 3-pin plug and socket. Models without a shutter have no integral switch and must be connected to the mains through a socket and switch.

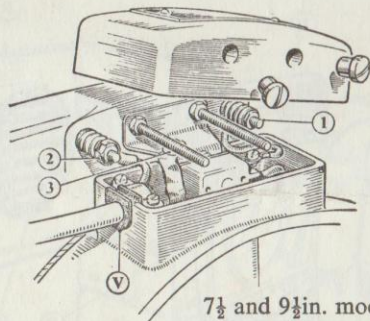
Provision for cable entry is made in one side of the terminal box 'C'.

On the 7½ in. and 9½ in. sizes the cable should be passed through the rubber grommet 'V' and restrained with the cable clamp provided.

On the 6in. fan the cable is gripped between the two cable clamps; if the cable is too large to permit this the lower cable clamp may be discarded.

Cables to be connected to terminals as follows:

- Red core to live terminal 1.
- Black core to neutral terminal 2.
- Green core to earth terminal 3.



7½ and 9½ in. models

Lubrication

A.C. Fans: Lubricate once every six months, with several drops of good light machine oil.

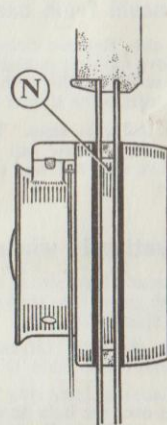
D.C. Fans: Refill the grease cups of the two lubricators once in twelve months with Shell Alvania 3 grease.

Cleaning

IMPORTANT. The fan and shutter vanes should be regularly cleaned with a damp cloth to remove grease and dirt. Soap or a detergent may be used if necessary, but not paraffin or any form of spirit. Ensure that all parts are thoroughly dry before putting the fan back into service.

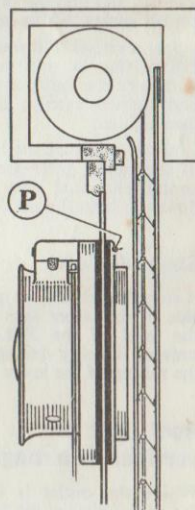
Double glazed windows

Spacers 'N' must be placed between the two panes of double glazed windows. Standard fixing screws 'I' of 9½ in. and 7½ in. Xpelairs are suitable for overall thicknesses up to 1in., but for the 6in. size longer screws than standard should be obtained from the Xpelair suppliers.

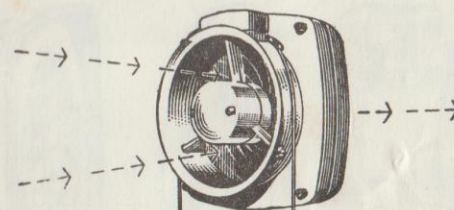


Shuttered or double windows

Where shutters or double windows do not permit the projection of the outlet grille, an outer clamp ring 'P' (supplied to order) should be used in place of the grille.



Tag No. 330/60



XPELAIR

Erection and maintenance instructions



Details for window glass

Fan Diameter		Weights of Xpelair		Diameter of hole in glass		Minimum weights of glass	Thickness of glass	
in.	mm.	lb.	kg.	in.	mm.	oz.	in.	mm.
6	152	4½	2	6¾	171	18	⅜	2
7½	190	14	6,3	9½	240	24	⅝	3
9½	240	19	8,5	11½	295	32	¾	4

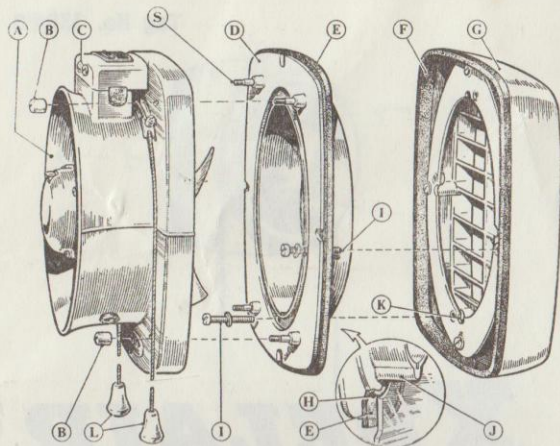
Weights apply to grille type Xpelairs, A.C. Add 1½ lb. for 7½ in. size baffle type and 2½ lb. for 9½ in. size baffle type.

Manufactured in England by

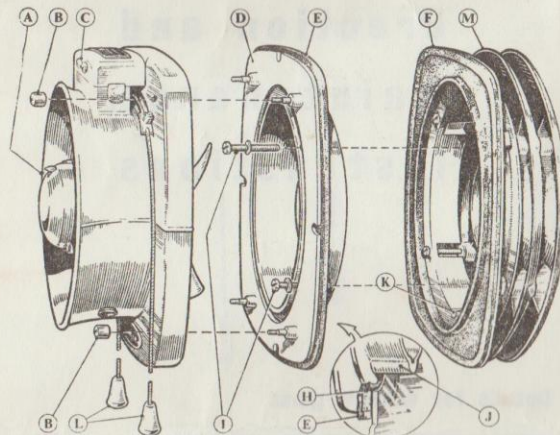
WOODS OF COLCHESTER LIMITED

An Associate Company of

THE GENERAL ELECTRIC CO LTD OF ENGLAND



Grill Outlet model



Baffle outlet model

- | | |
|--|--|
| A Fan unit. | I Screws securing clamp ring to outlet grille (2 on 6in. size; 4 on 7½in. and 9½in. sizes). |
| B Screw caps securing fan unit. | J Key, locates with slot K. |
| C Terminal and switch box. | K Locating slot in outlet grille assembly. |
| D Inner clamp ring. | L Cords with knobs for operating iris shutter and switch. |
| E Rubber gasket. | M Outlet baffle, for vertical mounting and darkroom ventilation. |
| F Rubber gasket. | |
| G Outlet grille assembly. | |
| H Gasket spigot. | |

Removal from carton

6in. size. Remove clamp plate D from the carton first. Then remove fan unit A and grille G together. **NOTE:** Screws 'I' and screws 'S', together with domed nuts 'B', are enclosed in the same envelope as the shutter operating cords.

7½in. and 9½in. sizes. To remove the Xpelair from its carton support, unscrew cap 'B' and take off the fan unit. Then remove screws 'I' and separate the inner clamp ring and outlet grille.

Mounting in window glass (single pane)

A circular hole, size as in the table on the front page, is required in the glass. The thickness of the glass should be not less than that specified.

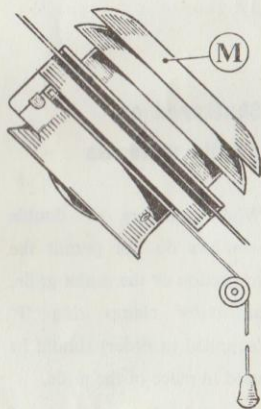
6in. size only. Lift each corner of the gasket 'E' and fit screws 'I' into clamp plate 'D'.

Place the clamp ring 'D' with its rubber gasket 'E' against the glass over the hole on the inside and the outlet grille assembly 'G', or outlet baffle assembly 'M', on the outside.

On the 7½in. and 9½in. sizes see that the key 'J' locates with the slot 'K', and that the key and slot are at the bottom; see that the rubber gasket 'E' fits into the hole.

Insert screws 'I' through the clamp ring 'D' and into the outlet grille or baffle assembly and tighten evenly; do not over-tighten.

Make sure that the louvres of the outlet grille are horizontal and that they slope downwards to the outside.

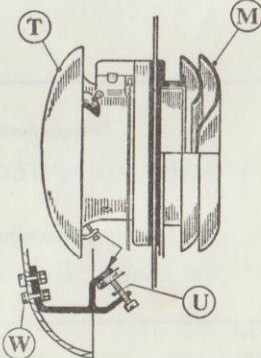


Sash windows

A stop should be fixed on each side of the upper sash below the level of the Xpelair to prevent it being damaged by the raising of the lower sash.

Roof light or vertical mounting

Where the outlet is out of the perpendicular the Xpelair baffle outlet 'M' must be used instead of the grille. The shutter cords should be taken over small pulleys or through screw eyes.



Darkroom Xpelairs

See that the model supplied has the baffle outlet 'M'. Secure the three clips to the interior blackout cowl 'T' with the nut, screws and washers 'W' provided. Finally fit the interior cowl to the fan entry, securing with the screws 'U'.

Wall mounting by long screwed rods

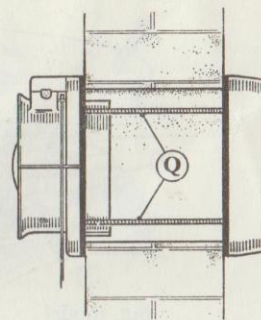
Screwed rods 'Q' should be used in place of the standard fixing screws 'I', as follows:

6in. size:

Screw rods through clamp ring 'D' into outlet grille assembly; run down the nut and tighten, and cut off any surplus length of rod.

7½ and 9½in. sizes:

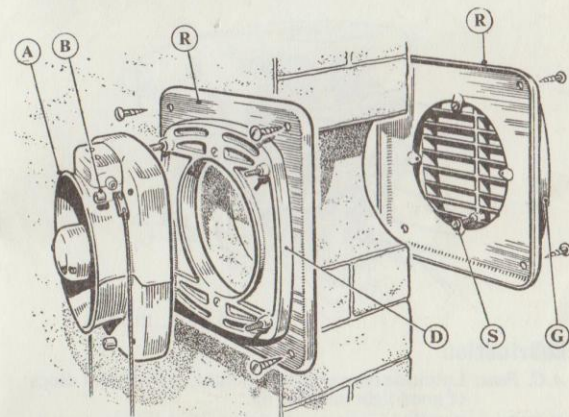
First cut rods to length required, then proceed as for standard screws 'I', tightening with a screwdriver.



WALL MOUNTING NOTE: The hole in the wall, if circular should be the same diameter as for glass; if square, its width must be equal to the diameter required for circular holes.

In a cavity wall the cavity should be covered over and plastered.

Wall fixing plates (6in. size only)



Fix the inner clamp ring 'D' to one plate and the outlet grille assembly 'G' to the other by means of the screws 'S' provided.

Fix the plates to the wall with screws over the hole on the inside and outside. Fit fan unit 'A' to the inner clamp ring by means of screw caps 'B'. **SEE NOTE ABOVE.**