

## Regent M&T



This six panel hardwood door arrives unstained and lends itself to a variety of settings and colour schemes.

- Engineered construction
- Ready for painting or staining

H1981mm x W762mm (6' 6" x 2' 6")

Standard

DXP4360

H1981mm x W838mm (6' 6" x 2' 9")

M Standard

DXP4370

H2032mm x W813mm (6' 8" x 2' 8")

Standard

DXP4381

H2082mm x W863mm (6' 10" x 2' 10")

M Standard

DXP4390

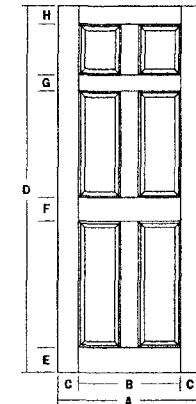
# External Hardwood Doors



## DXP43\*\* Regent M&T

This six panel hardwood door arrives unstained and lends itself to a variety of settings and colour schemes.

- M & T construction
- Ready for painting or staining
- This door is NOT suitable for waxes, polishes and/or oils as these products do not seal the door properly and may cause veneer delamination



Dimensions				
Door Width	2'6"	2'9"	2'8"	2'10"
Product Code	DXP4360	DXP4370	DXP4381	DXP4390
Building Regulations				
Thickness (mm)	44	44	44	44
Weights (kg)	23.5	25	25	27.5
A = width (mm)	762	838	813	864
B = width - stiles (mm)	532	608	583	634
C = stile (mm)	115	115	115	115
D = height (mm)	1981	1981	2032	2083
E = bottom rail (mm)	180	180	180	180
F = middle rail (mm)	180	180	180	180
G = upper middle rail (mm)	115	115	115	115
H = top rail (mm)	115	115	115	115

All sizes subject to standard industry tolerances  
Part M Doors ( ) - Mobility and Access

### Lock Block

A lock block is not included on this door as it is a solid construction. The lock can be fitted on either side, but the mid rail joint must be avoided



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# External Hardwood Doors

## Technical Specification

### Construction

General	M & T Construction
Core Material and Grade	Mixed hardwood = B grade
Thickness of Core Material	35mm
Timber Species	Meranti, Sapele, Oak & Iroko
Moisture Content	12-14%
Glue Specification	Exterior B4
Additional Information	

### Veneer Specification

General	Red Meranti
Thickness	1.3mm Surface Veneer over a 3mm Cross Ply Veneer
Timber Species	Surface Veneer - Red Meranti Cross Ply Veneer - Mixed Hardwood
Grade	A
Country of Origin	Indonesia

### Edging Information

	Lipping Dimensions	Maximum Trim
Top (mm)	12	5
Bottom (mm)	12	5
Each side (mm)	12	5
Lipping material: Red Meranti		
An equal amount of timber should be removed from each side / top & bottom. Remaining within the parameters of the maximum trim instructions ensures the construction of the door is not compromised.		

### Fitting and Finishing

Please refer to door instructions for all fitting information.  
For identification, the Howdens logo and batch number is printed on the top edge.  
Hardwood doors can be finished with solvent based, oil based (not oil) or water based finishes.  
This door is NOT suitable for waxes, polishes and/or oils as these products do not seal the door properly and may cause veneer delamination  
This door is suitable for finishing with: paint or stain.  
All stains sold by Howdens are suitable for use with Howdens doors.  
(Please always follow manufacturer's instructions)

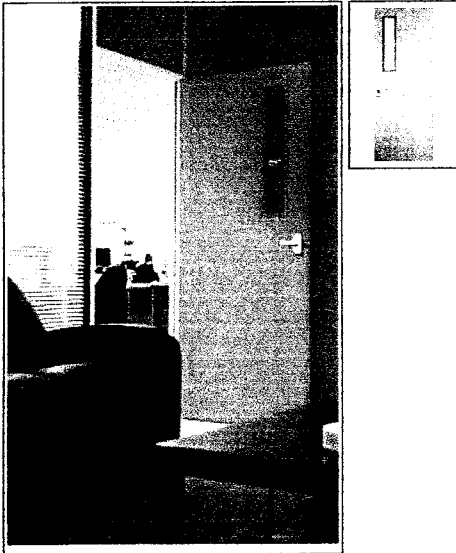
### Certification

Fire Certificate	Not applicable
Glazing Certificate	Not applicable



[Home](#) > [Product Range](#) > [Doors Joinery Collection](#) > [Internal Doors](#) > [Flush Doors](#) > [Ply 3g Glazed](#)

## Ply 3G Glazed



With a single vertical narrow window, the Ply 3G Glazed works well in many commercial environments.

- Constructed using softwood timber stiles and rails frame
- Ready for painting
- Lipped on two long edges
- Supplied with Georgian wired glass

H1981mm x W762mm (6' 6" x 2' 6")

FD, E FD30 Glazed

DIF3860

H1981mm x W838mm (6' 6" x 2' 9")

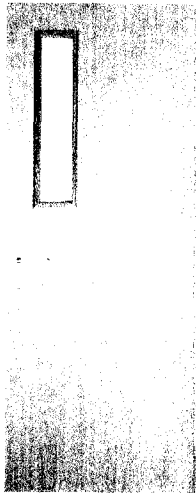
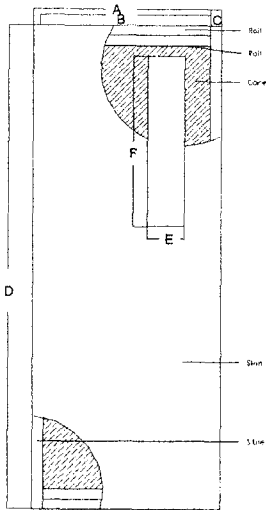
FD, E, M FD30 Glazed

DIF3870

# Internal Flush Doors



DIF38\*\* Ply 3G FD30 Glazed



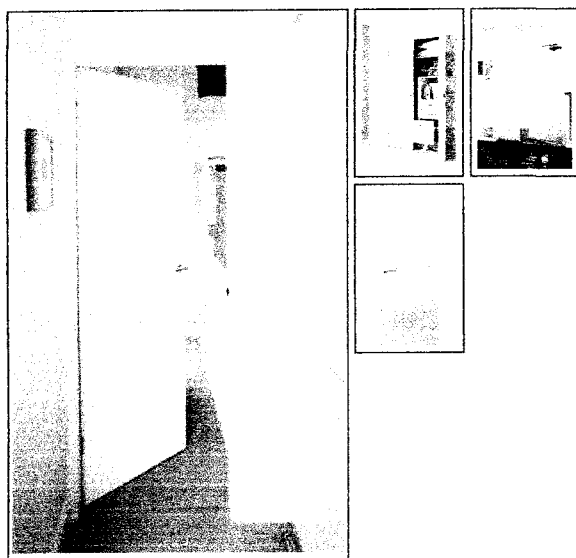
Dimensions		
Door Width	2'6"	2'9"
SKU Code	DIF3860	DIF3870
Building Regulations		
Weights (kg)	35	38
Dim A (mm)	762	838
Dim B (mm)	686	762
Dim C (mm)	38	38
Dim D (mm)	1981	1981
Dim E (mm)	150	150
Dim F (mm)	700	700

Lock Block
None.

All sizes subject to standard industry tolerances  
 Part M Doors ( ) - Mobility and Access  
 Fire Doors ( )



## Plywood



This versatile door is available in a wide range of imperial and metric sizes with both standard and FD30 cores.

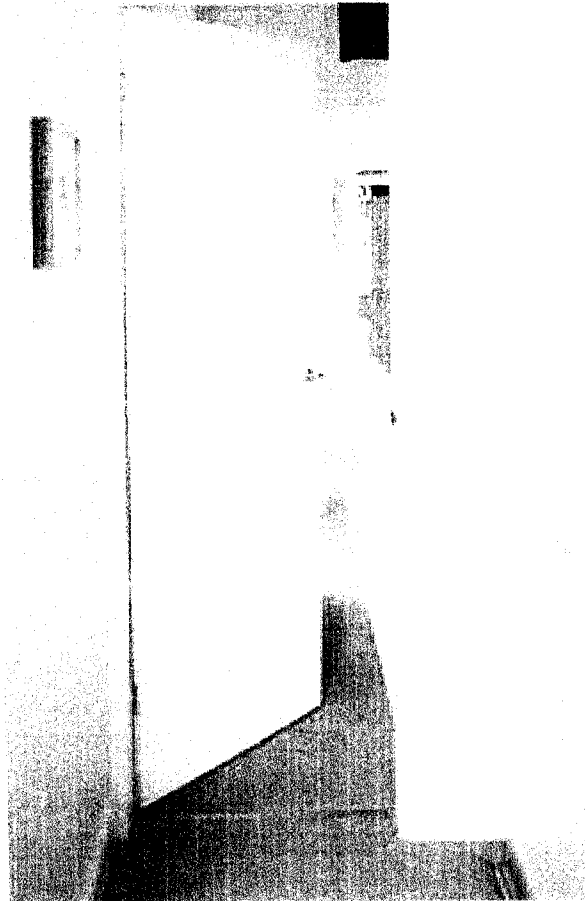
- Constructed using softwood timber stiles and rails frame
- Ready for painting
- Fire Door options available

H1981mm x W381mm (6' 6" x 1' 3")	
Standard	DIC1300
H1981mm x W457mm (6' 6" x 1' 6")	
Standard	DIC1310
H1981mm x W533mm (6' 6" x 1' 9")	
Standard	DIC1320
H1981mm x W610mm (6' 6" x 2' 0")	
Standard	DIC1330
FD, E FD30	DIF1430
H1981mm x W686mm (6' 6" x 2' 3")	
Standard	DIC1340
FD, E FD30	DIF1440
FD 35mm FD30	<b>NEW</b> DIF8940

H1981mm x W711mm (6' 6" x 2' 4")	
Standard	DIC1350
H1981mm x W762mm (6' 6" x 2' 6")	
Standard	DIC1360
<b>FD, E</b> FD30	DIF1460
<b>FD</b> 35mm FD30	<b>NEW</b> DIF8960
H1981mm x W838mm (6' 6" x 2' 9")	
<b>M</b> Standard	DIC1370
<b>FD, E, M</b> FD30	DIF1470
<b>FD</b> 35mm FD30	<b>NEW</b> DIF8970
H2032mm x W813mm (6' 8" x 2' 8")	
Standard	DIC1380
<b>FD, E</b> FD30	<b>NEW</b> DIF1480
H1981mm x W864mm (6' 6" x 2' 10")	
<b>M</b> Standard	<b>NEW</b> DIC1390
H2040mm x W526mm	
Standard	DIC3020
<b>FD, E</b> FD30	DIF1520
H2040mm x W626mm	
Standard	DIC3030
<b>FD, E</b> FD30	DIF1530
H2040mm x W726mm	
Standard	DIC3040
<b>FD, E</b> FD30	DIF1540
H2040mm x W826mm	
<b>M</b> Standard	DIC3060
<b>FD, E, M</b> FD30	DIF1560
H2040mm x W926mm	
<b>M</b> Standard	DIC3070
<b>FD, E, M</b> FD30	DIF1570

# Internal Flush Doors

## DIF14\*\* / DIF15\*\* Plywood FD30

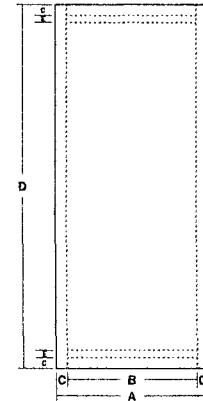


### Lock Block

A lock block is not included on this door as it is a solid construction. The lock can be fitted in any location on either side.

This versatile door is available in a wide range of imperial and metric sizes with both standard and FD30 cores.

- Constructed using softwood timber stiles and rails frame
- Ready for painting



Dimensions										
Door Width	2'0"	2'3"	2'6"	2'9"	2'8"	526mm	626mm	726mm	826mm	926mm
Product Code	DIF1430	DIF1440	DIF1460	DIF1470	DIF1480	DIF1520	DIF1530	DIF1540	DIF1560	DIF1570
Building Regulations										
Thickness (mm)	44	44	44	44	44	44	44	44	44	44
Weights (kg)	24	27	30	33	32	21	25	29	33	38
A = width (mm)	610	686	762	838	813	526	626	726	826	926
B = width - stiles (mm)	556	632	708	784	759	472	572	672	772	872
C = stile / outer rail (mm)	27	27	27	27	27	27	27	27	27	27
D = height (mm)	1981	1981	1981	1981	2032	2040	2040	2040	2040	2040
E = inner rail (mm)	38	38	38	38	38	38	38	38	38	38

All sizes subject to standard industry tolerances

Part M Doors ( ) - Mobility and Access

Part E Doors ( ) - Reduction of Sound Travel



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# Internal Flush Doors

## Technical Specification

### Construction

General	Softwood frame, butt jointed and glued
Core Material and Grade	Tubeboard or Flaxboard
Thickness of Core Material	37mm
Timber Species	Picea Abies
Moisture Content	8-12%
Glue Specification	Urea Formaldehyde
Additional Information	Hot Press Production

### Veneer Specification

General	Veneered MDF or Plywood
Thickness	3mm
Timber Species	Plywood
Grade	Paint grade surface veneer
Country of Origin	Various

### Edging Information

	Lipping Dimensions	Maximum Trim
Top (mm)	N/A	0
Bottom (mm)	N/A	6
Each side (mm)	6	4
Lipping material: Hardwood		
An equal amount of timber should be removed from each side. Remaining within the parameters of the maximum trim instructions ensures the construction of the door is not compromised and that the door when fitted complies with the fire certificate.		

### Fitting and Finishing

Please refer to door instructions for all fitting information  
For identification, the batch number is printed on the top edge.  
This door is suitable for finishing with: paint.  
All Howdens paints are suitable for use with Howdens doors.

### Certification

Fire Certificate	Available
Glazing Certificate	Not applicable

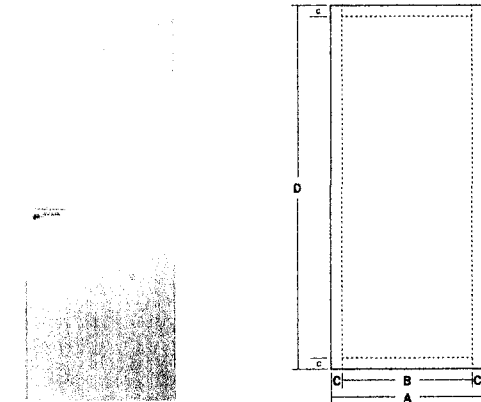


# Internal Flush Doors

## DIC13\*\* / DIC30\*\* Plywood

This versatile door is available in a wide range of imperial and metric sizes with both standard and FD30 cores.

- Constructed using softwood timber stiles and rails frame
- Ready for painting
- Fire Door options available



Dimensions															
Door Width	1'3"	1'6"	1'9"	2'0"	2'3"	2'4"	2'6"	2'9"	2'8"	2'10"	526mm	626mm	726mm	826mm	926mm
Product Code	DIC1300	DIC1310	DIC1320	DIC1330	DIC1340	DIC1350	DIC1360	DIC1370	DIC1380	DIC1390	DIC3020	DIC3030	DIC3040	DIC3060	DIC3070
Building Regulations															
Thickness (mm)	35	35	35	35	35	35	35	35	35	35	40	40	40	40	40
Weights (kg)	4	4	5	6	6	7	7	8	8	9	5	6	7	8	9
A = width (mm)	381	457	533	610	686	711	762	838	813	864	526	626	726	826	926
B = width - stiles (mm)	335	411	487	564	640	665	716	792	767	818	480	580	680	780	880
C = stile / rail (mm)	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
D = height (mm)	1981	1981	1981	1981	1981	1981	1981	1981	2032	1981	2040	2040	2040	2040	2040

All sizes subject to standard industry tolerances  
Part M Doors ( ) - Mobility and Access

### Lock Block

Lock block height	360mm
Lock block width	65mm
Position	Fitted centrally, to one side only - indicated by the word 'LOCK' on the top edge



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# Internal Flush Doors

## General Construction

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With a single vertical narrow window, the Ply G works well in many commercial environments. The paint grade door with hardwood edge lippings comes ready for final prep and finishing on site.

### Construction

Constructed using a softwood timber stile and rail frame, with a tubeboard core for 30 minute fire resistance.

Supplied pre-glazed with 6mm Georgian wired glass.

### Timber Specification

Timber Species	Softwood
Timber Grade	Softwood sawfalling grade
Moisture Content	8-12%
Core	490 kg m3 density tube core

### Lipping

6mm hardwood paint grade lipping on long edges

Fire Certificate: Available on request

Glazing Certificate: Available on request



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Issue Date: 05.06.2009

The company has a policy of continuous product development and reserves the right to change any products and specifications at any time.

# Internal Flush Doors

## Technical Specification

### Construction

<b>General</b>	Softwood frame, butt jointed and glued
<b>Core Material and Grade</b>	Honeycomb paper
<b>Thickness of Core Material</b>	28mm (imperial) 34mm (Metric)
<b>Timber Species</b>	Picea Abies
<b>Moisture Content</b>	8-12%
<b>Glue Specification</b>	Urea Formaldehyde
<b>Additional Information</b>	Hot press production

### Veneer Specification

<b>General</b>	Veneered MDF or Plywood
<b>Thickness</b>	3mm
<b>Timber Species</b>	Plywood
<b>Grade</b>	Paint grade surface veneer
<b>Country of Origin</b>	Various

### Edging Information

	Lipping Dimensions	Maximum Trim
<b>Top (mm)</b>	N/A	6
<b>Bottom (mm)</b>	N/A	6
<b>Each side (mm)</b>	6	10*
Lipping material: Hardwood		
An equal amount of timber should be removed from each side / top & bottom. Remaining within the parameters of the maximum trim instructions ensures the construction of the door is not compromised.		

\*Please Note: This will remove the lipping and expose the timber frame

### Fitting and Finishing

Please refer to door instructions for all fitting information  
For identification, the batch number is printed on the top edge.  
This door is suitable for finishing with: paint.  
All Howdens paints are suitable for use with Howdens doors.

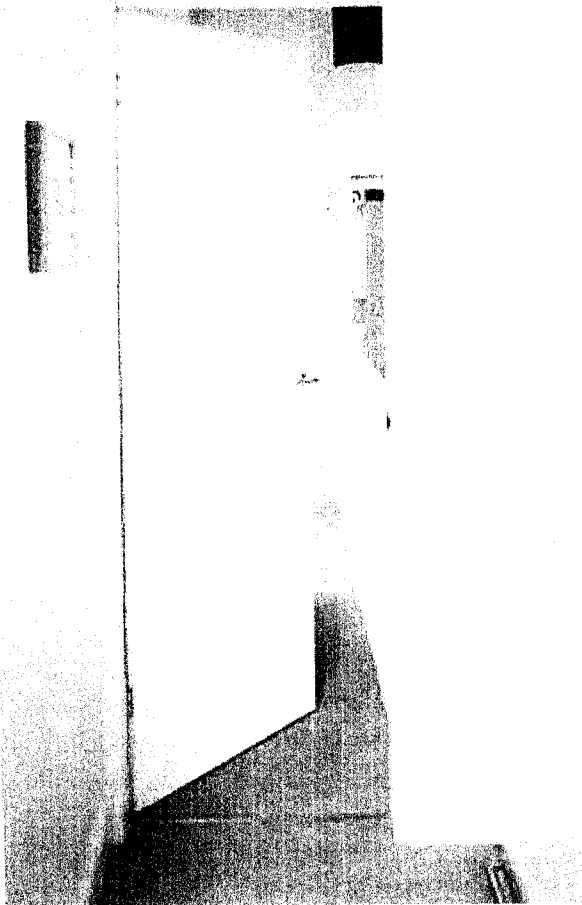
### Certification

<b>Fire Certificate</b>	Not applicable
<b>Glazing Certificate</b>	Not applicable



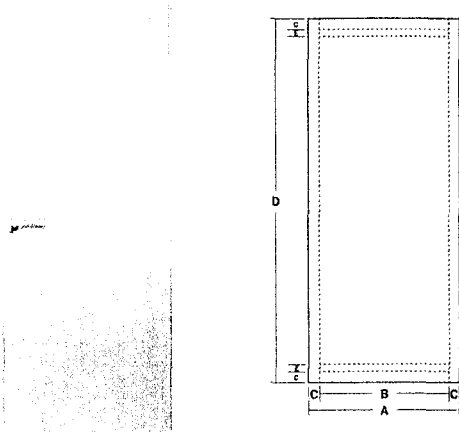
# Internal Flush Doors

## DIF89\*\* Plywood FD30 35mm



This versatile door is available in a many imperial FD30 sizes.

- Constructed using softwood timber stiles and rails frame
- Ready for painting
- Intumescent strip pre fitted into the top edge (15mm x 4mm)



Dimensions			
Door Width	2'3"	2'6"	2'9"
Product Code	DIF8940	DIF8960	DIF8970
Building Regulations			
Thickness (mm)	35	35	35
Weights (kg)	26	29	32
A = width (mm)	686	762	838
B = width - stiles (mm)	640	716	815
C = stile / outer rail (mm)	23	23	23
D = height (mm)	1981	1981	1981
E = inner rail (mm)	28	28	28

### Lock Block

A lock block is not included on this door as it is a solid construction. The lock can be fitted in any location on either side.

All sizes subject to standard industry tolerances  
Part M Doors ( ) - Mobility and Acces



# Internal Flush Doors

## Technical Specification

### Construction

General	Softwood frame, butt jointed and stapled
Core Material and Grade	Flaxboard E1
Thickness of Core Material	35mm
Timber Species	N/A
Moisture Content	8-12%
Glue Specification	Urea Formaldehyde
Additional Information	Hot Press Production

### Veneer Specification

General	Veneered MDF or Plywood
Thickness	3mm
Timber Species	Plywood
Grade	Paint grade surface veneer
Country of Origin	Various

### Edging Information

	Lipping Dimensions	Maximum Trim
Top (mm)	N/A	0
Bottom (mm)	N/A	6
Each side (mm)	6	4
Lipping material: Hardwood		
An equal amount of timber should be removed from each side. Remaining within the parameters of the maximum trim instructions ensures the construction of the door is not compromised and that the door when fitted complies with the fire certificate.		

### Fitting and Finishing

Please refer to door instructions for all fitting information  
For identification, the batch number is printed on the top edge.  
Doors must be sealed on ALL edges prior to installation  
This door is suitable for finishing with: paint.  
All Howdens paints are suitable for use with Howdens doors.  
This door is compatible with VOC 2010 compatible finishes and the use of water based Primers and Paints will not adversely effect the integrity of the door.

### Certification

Fire Certificate	Available
Glazing Certificate	Not applicable



# Conservation roof window system



Centre-pivot and top-hung windows.



The VELUX conservation roof window system offers all the superior technical features of a VELUX roof window but in a traditional conservation style. It allows you to make the area under the roof truly habitable – not previously possible with a rooflight. The system blends in perfectly in sensitive conservation areas with its:

- mullion (central glazing bar)
- recessed installation (slate roof only)
- external black metal work.

## Centre-pivot

Consisting of a GGL centre-pivot roof window with vertical glazing bar and associated flashing. Three different versions are available depending on the roofing material:

- for slate up to a maximum thickness of 8mm with roof pitches of 35°-90°.
- for profiled roofing material up to a maximum of 120mm in profile with roof pitches of 15°-90°.
- for plain tiles up to 15mm thick with roof pitches of 25°-90°.

## Top-hung

An emergency escape system is also available which includes a GHL top-hung window with vertical glazing bar and associated flashing. Again choose from the variants listed above depending on roofing material and roof pitch for GHL.

Now possible to purchase separate conservation glazing bars for standard VELUX windows to create a traditional style appearance.

See section 3.01.00 for GGL and section 3.02.04 for GHL.

10 year VELUX guarantee.

## Application

## Features

## Options

## Operation

## Guarantee

## Combinations

Conservation roof window system can be combined with:

### Flashings for

- Single installation
- Twin installation – tile only
- Combi installation – slate/tile only



### Controls

- Rod
- Electrical



### Installation products

- Insulation collar
- Underfelt collar
- Vapour barrier



### Interior sunscreening

- Blackout blinds
- Roller blinds
- Pleated blinds
- Venetian blinds



### Exterior sunscreening

- Awning blind
- Roller shutter



### Additional accessories

- Insect screen



### Interior variants:

Pine with triple coat finish or white paint finish

### Cladding variants:

Black aluminium, titanium zinc, copper or other cladding types and colours

### Pane variants:

(--59) Toughened outer pane

For more pane variants see section 8.

## Variants

## Section 3.07.00

Products ► Roof windows ► Types ► Conservation

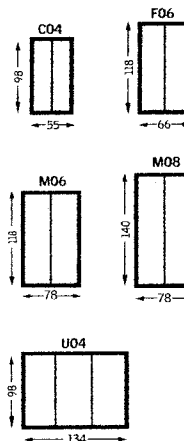
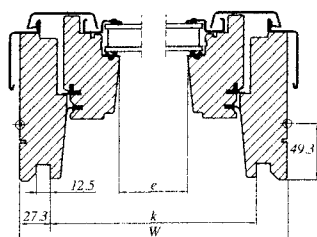
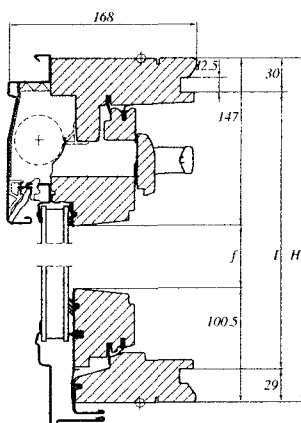


## Technical data – Conservation roof window system

### Measurements (mm)

Size	Exterior frame W x H	Visible glass e x f	Lining rebate k x l
C04	550 x 978	373 x 730	495 x 919
F06	660 x 1178	483 x 930	605 x 1119
M06	780 x 1178	603 x 930	725 x 1119
M08	780 x 1398	603 x 1150	725 x 1339
U04	1340 x 978	1163 x 730	1285 x 919

### Cross-section/ measurements (mm)



### Sizes (cm)

VELUX GB/Ireland product programme.  
Other sizes/types available to order.

### Technical data

	Size	C04	F06	GGL M06	M08	U04	Size	GHL M08
Ventilation flap – free area [10 <sup>3</sup> mm <sup>2</sup> ]		2.8	3.5	4.3	4.3	8.1		4.3
Ventilation flap – equivalent area [10 <sup>3</sup> mm <sup>2</sup> ]*		2.6	3.1	3.7	3.7	6.6		3.7
Ventilation – open window [m <sup>2</sup> ]		0.33	0.53	0.64	0.79	0.94		0.84
Effective daylight area [m <sup>2</sup> ]		0.27	0.45	0.56	0.69	0.85		0.69

\*Measured to EN 13141-1

### Pane variant

Thermal transmittance, U <sub>w</sub> [W/m <sup>2</sup> K]
Sound insulation, R <sub>w</sub> [dB]
Air permeability
Light transmittance, τ <sub>v</sub>
Total solar energy transmittance, g

–59

14
32
Class 3
0.77
0.60

### EN/ISO Standard

EN ISO 12567-2
EN ISO 140-3/EN ISO 717-1
EN 12207
EN 410
EN 410

## Section 3.07.01