

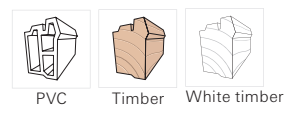
## Designo R88C – Product Card

Top-hung roof window with thermal insulation (WD block)



### Benefits in a nutshell:

- + double opening system: tilt and top-hung function using one handle
- + free access to the open roof window, unlimited view through the open window thanks to the opening angle 45°
- + high energy efficiency  $U_{W} = 1,1 \text{ W/m}^2\text{K}$  now even in the standard option guarantees optimal temperature in your house and lower heating bills
- + thermal insulation (WD block) gives even 15% better energy balance of the roof window, optimal temperature in the house, lower heating and air-conditioning costs and airtight combination of the window with vapour barriers of the roof
- + post-installation setting of the window means certainty that the roof window is airtight, perfectly adjusted and always appropriately set
- + 4 locking points of the window ensures additional airtightness, security and protection from burglary
- + 3 protective layers of the timber securing from the destructive influence of the sun and humidity
- + the highest fifth security grade protecting from hits from outside are proof of unique durability and safety of you and your family
- + 15-year warranty means the reliable use of the roof window and your own peace of mind for years
- + dual night ventilation position means easy regulation of fresh air supply
- + comfortable cleaning position bolting the sash at an angle of 137 degrees allows to keep the roof window in the impeccable cleanness
- + no visible screws in the roof window covering ensure outstanding airtightness of the roof window and at the same time the aesthetic external appearance
- + attractive colour of the roof window covering (anthracite-metallic) is the perfect composition with every kind of the roofing, ensuring architects more flexibility and ease of designing

Model of the window	+ Designo R8
Type of the window	+ top-hung roof window
Usage	+ from 20° to 65° roof slope
Handle	+ convenient handle at the bottom of the sash
Material	 <p>PVC    Timber    White timber</p>
Opening	+ manual
Energy efficiency	+ $U_{W} = 1,1$ + thermal insulation (WD block) with better energy balance of the roof window
Easy installation	+ pre-installed assembly brackets and the roof window covering + pre-installed thermal insulation (WD block) with the vapour barrier film
Product quality	+ post-installation setting of the window + 4 locking points + 3 protective layers of the timber + the highest fifth security grade + a 15-year warranty period + dual night ventilation position
Functionality	+ available interior and exterior accessories + possible combination with R6/R8 roof windows + cleaning position bolting the sash at an angle of 137 degrees
Design	+ no visible screws in the roof window covering + modern shape of the roof window covering + attractive colour of the roof window covering – anthracite-metallic

## Technical specifications


	U <sub>g</sub> value W/(m <sup>2</sup> K) EN 673	U <sub>w</sub> value W/(m <sup>2</sup> K) EN 12567-2	g value in % EN 410	sound insulation class VDI 2719	sound insulation value R <sub>w</sub> [dB] EN 20140-3	air permeability class EN 12207
<b>Double Comfort (8C)</b>						
R88C H200	1.0	1.1	52	2	34 (-2; -5) dB	3
R88C K200	1.0	1.1	52	2	34 (-2; -5) dB	4

H = timber

K = PVC

\*technical specifications for timber and white painted timber are the same

## Window dimensions



Window size	054/078	054/098	054/118	065/098	065/118	065/140	065/180*	074/098	074/118
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External frame dimension (mm)	540/780	540/980	540/1180	650/980	650/1180	650/1400	650/1800	740/980	740/1180
External frame with insulation block dimension (mm)	600/840	600/1040	600/1240	710/1040	710/1240	710/1460	710/1860	800/1040	800/1240
Internal frame dimension (mm)	450/690	450/890	450/1090	560/890	560/1090	560/1310	560/1710	650/890	650/1090
External sash dimension (mm) PVC	442/682	442/882	442/1082	552/882	552/1082	552/1302	552/1702	642/882	642/1082
External sash dimension (mm) Timber	442/687	442/887	442/1087	552/887	552/1087	552/1307	—	642/887	642/1087
Daylight/sash aperture (mm)	328/568	328/768	328/968	438/768	438/968	438/1188	438/1588	528/768	528/968
Window inner lining clearance (mm)	480/720	480/920	480/1120	590/920	590/1120	590/1340	590/1740	680/920	680/1120
Pane surface (daylight area) (m <sup>2</sup> )	0,19	0,25	0,32	0,34	0,42	0,52	0,70	0,41	0,51

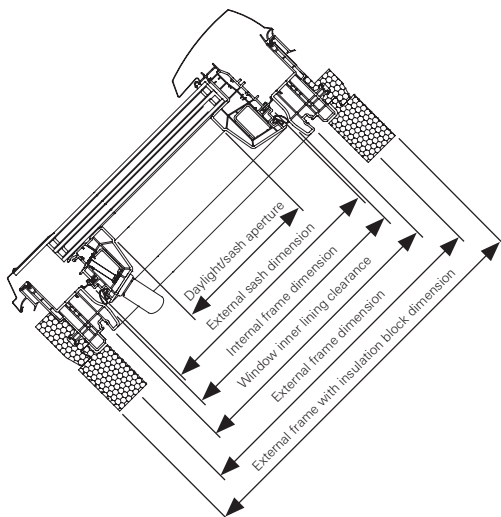


Window size	074/140	074/160	074/180*	094/118	094/140	094/160	094/180*	114/098	114/118	114/140	134/098	134/140	134/160*
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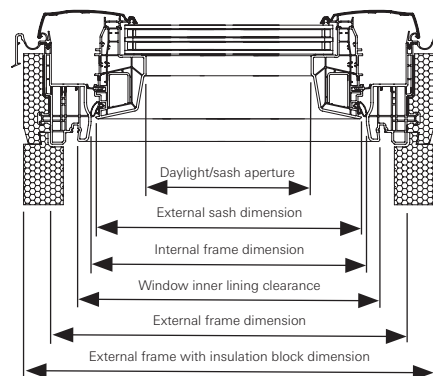
740/1400	740/1600	740/1800	940/1180	940/1400	940/1600	940/1800	1140/980	1140/1180	1140/1400	1340/980	1340/1400	1340/1600
800/1460	800/1660	800/1860	1000/1240	1000/1460	1000/1660	1000/1860	1200/1040	1200/1240	1200/1460	1400/1040	1400/1460	1400/1660
650/1310	650/1510	650/1710	850/1090	850/1310	850/1510	850/1710	1050/890	1050/1090	1050/1310	1250/890	1250/1310	1250/1510
642/1302	642/1502	642/1702	842/1082	842/1302	842/1502	842/1702	1042/882	1042/1082	1042/1302	1242/882	1242/1302	1242/1502
642/1307	642/1507	—	842/1087	842/1307	842/1507	—	1042/887	1042/1087	1042/1307	1242/887	1242/1307	—
528/1188	528/1388	528/1588	728/968	728/1188	728/1388	728/1588	928/768	928/968	928/1188	1128/768	1128/1188	1128/1388
680/1340	680/1540	680/1740	880/1120	880/1340	880/1540	880/1740	1080/920	1080/1120	1080/1340	1280/920	1280/1340	1280/1540
0,63	0,73	0,84	0,70	0,86	1,01	1,16	0,71	0,90	1,10	0,87	1,34	1,57

\* only in PVC

## Cross Section A-A



## Cross Section B-B



Cross Sections in PVC