


Designo R6 RotoTronic – Product Card

Pivot roof window with thermal insulation (WD block)



Benefits in a nutshell:

- + high energy efficiency $U_w = 1,1 - 0,86 \text{ W/m}^2\text{K}$ 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 destructive influence of the sun and humidity
- + third security grade (timber) and the highest fifth security grade (PVC) protecting from hits from outside are proof of unique durability and safety of you and your family
- + dual night ventilation position means easy regulation of fresh air supply
- + the roof window equipped with the electric drive means comfortable controlling in hard-to-reach areas and perfect solution for houses with "the intelligent house system"
- + 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 R6 RotoTronic
Type of the window	+ pivot roof window
Usage	+ from 15° to 90° roof slope
Material	 PVC Timber
Opening	+ electric + controlled using a wall-mounted switch control (RotoTronic E) or remote control (RotoTronic EF)
Energy efficiency	+ $U_w = 1,1 - 0,86$ + 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 + third security grade (timber) and the highest fifth security grade (PVC) + 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 120 degrees + rain sensor included as a standard
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 _g value W/(m ² K) EN 673	U _w value W/(m ² K) EN 12567-2	g value in % EN 410	sound insulation class VDI 2719	sound insulation value R _w [dB] EN 20140-3	air permeability class EN 12207
Double Comfort (8C)						
R68C H2E_	1.0	1.1	52	2	34 (-2; -5) dB	3
R68C K2E_	1.0	1.1	52	2	34 (-2; -5) dB	4
Triple Comfort (9G)						
R69G H2E_	0.8	1.0	41	3	38 (-1; -4) dB	3
R69G K2E_	0.8	0.99	41	3	39 (-2; -5) dB	4
Triple Premium (9P)						
R69P H2E_	0.6	0.88	38	3	37 (-1; -5) dB	3
R69P K2E_	0.6	0.86	38	3	37 (-1; -5) dB	4


H = timber

K = PVC

E_ = electric (wall switch control)


EF = remote control

Window dimensions



Window size	054/078	054/098	054/118	065/098	065/118	065/140	074/078	074/098	074/118
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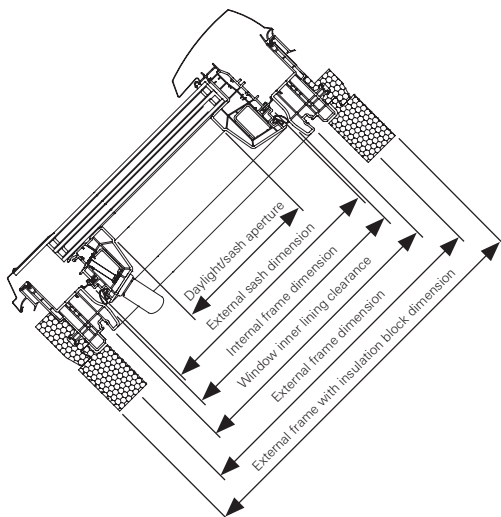
External frame dimension (mm)	540/780	540/980	540/1180	650/980	650/1180	650/1400	740/780	740/980	740/1180
External frame with insulation block dimension (mm)	600/840	600/1040	600/1240	710/1040	710/1240	710/1460	800/840	800/1040	800/1240
Internal frame dimension (mm)	450/690	450/890	450/1090	560/890	560/1090	560/1310	650/690	650/890	650/1090
External sash dimension (mm) PVC	442/682	442/882	442/1082	552/882	552/1082	552/1302	642/682	642/882	642/1082
External sash dimension (mm) Timber	442/687	442/887	442/1087	552/887	552/1087	552/1307	642/687	642/887	642/1087
Daylight/sash aperture (mm)	328/568	328/768	328/968	438/768	438/968	438/1188	528/568	528/768	528/968
Window inner lining clearance (mm)	480/720	480/920	480/1120	590/920	590/1120	590/1340	680/720	680/920	680/1120
Pane surface (daylight area) (m ²)	0,19	0,25	0,32	0,34	0,42	0,52	0,30	0,41	0,51



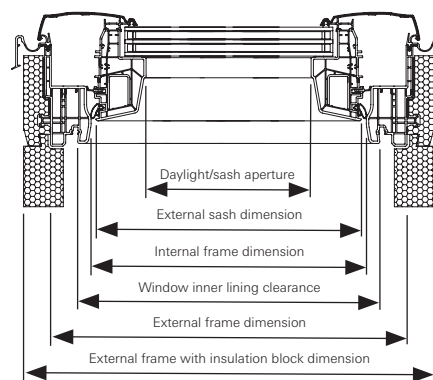
Window size	074/140	074/160	094/078	094/098	094/118	094/140	094/160	114/078	114/098	114/118	114/140	134/078	134/098	134/140
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740/1400	740/1600	940/780	940/980	940/1180	940/1400	940/1600	1140/780	1140/980	1140/1180	1140/1400	1340/780	1340/980	1340/1400
800/1460	800/1660	1000/840	1000/1040	1000/1240	1000/1460	1000/1660	1200/840	1200/1040	1200/1240	1200/1460	1400/840	1400/1040	1400/1460
650/1310	650/1510	850/690	850/890	850/1090	850/1310	850/1510	1050/690	1050/890	1050/1090	1050/1310	1250/690	1250/890	1250/1310
642/1302	642/1502	842/682	842/882	842/1082	842/1302	842/1502	1042/682	1042/882	1042/1082	1042/1302	1242/682	1242/882	1242/1302
642/1307	642/1507	842/687	842/887	842/1087	842/1307	842/1507	1042/687	1042/887	1042/1087	1042/1307	1242/687	1242/887	1242/1307
528/1188	528/1388	728/568	728/768	728/968	728/1188	728/1388	928/568	928/768	928/968	928/1188	1128/568	1128/768	1128/1188
680/1340	680/1540	880/720	880/920	880/1120	880/1340	880/1540	1080/720	1080/920	1080/1120	1080/1340	1280/720	1280/920	1280/1340
0,63	0,73	0,41	0,56	0,70	0,86	1,01	0,53	0,71	0,90	1,10	0,64	0,87	1,34

Cross Section A-A



Cross Section B-B



Cross Sections in PVC