

TECHNICAL SPECIFICATION

FYP-V proSky, FYU-V proSky, WOODEN PIVOT ROOF WINDOWS WITH RAISED AXIS OF ROTATION



WINDOW TYPE	FYP-V proSky	FYU-V proSky
I. APPLICATION		
Installation	installation angle 20°-45° universal installation system on rafters and battens	
II. FEATURES		
Material	pine wood, vacuum impregnated	
Lacquer	acrylic natural colour	polyurethane white NCS1602-Y
Varnishing	twice	triple
Air inlet type	automatic VAP	
Air inlet capacity	up to 49m ³ /h	
System	top Safe	
Seals	four	
Micro-opening facility	four	
Handle	Elegant	
Warranty	10 years for windows, 20 years for glazing unit	
III. TECHNICAL PARAMETERS		
Air permeability class	3 as per EN 1026, EN 12207	
Wind load resistance	class C4* as per EN 12210	
Watertightness – unshielded (A)	E900 as per EN 12208	
Impact resistance	class 3 (650mm) as per EN 13049	
Applicability of glazing units	U3, U5, P2, P5, P2, P7, G2	

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IV. OPTIONS		
Wooden profiles for FYP-V	- painted in colours of RAL spectrum - painted in one of five Lazure colours - in malogany woodwork	
Cladding	- painted in colours of RAL spectrum - cladding elements made of different types of sheet metal (CU, TC) - window with black-mullion bar and cladding - window without air inlet	
V. ADDITIONAL PRODUCTS TO BE USED		
Flashings	- standard, - special, - combination	
Control	- manual - electric	
Mounting accessories	- insulation sets - linings - auxiliary rafters - insulating band - frame extensions	
External accessories	- awning blind - roller shutter	
Internal accessories	- ARF blackout blind - ARP roller blind - ARS standard roller blind - A-P vegetation blind - APS pleated blind - APF pleated blind - AMS insect screen	

Technical parameters	Glazing unit type				
	U3	U5	P2	P5	R1
Glazing structure	4H-15-4T	4H-10-4H-10-4T	4H-15-33-2T	4H-10-4H-10-4T	6H-10-33-2JT
glazing U-value as per EN 673	1.0 W/m ² K	0.5 W/m ² K	1.0 W/m ² K	0.5 W/m ² K	1.0 W/m ² K
Window U-value as per EN 12567-2	1.3 W/m ² K	0.97 W/m ² K	1.3 W/m ² K	0.97 W/m ² K	1.2 W/m ² K
acoustic insulation Rw (the window with air inlet) as per EN 12567-2	32 (-1-5)	31 (-1-4)	35 (-1-3)	33 (-1-3)	34 (-1-3)
acoustic insulation Rw (the window without air inlet) as per EN 12567-2	33 (-1-5)	32 (-1-4)	36 (-1-4)	34 (-1-4)	38 (-1-4)
light transmittance factor $\tau_{l,v}$ as per EN 410	0.70	0.73	0.70	0.63	0.69
solar factor g as per EN 410	0.53	0.53	0.52	0.48	0.52
UV radiation as per EN 410	0.26	0.28	0.01	0.01	0.01
frame thermal insulation Uf as per EN 1026/2, EN 1026/1/2	npd	1.70 W/m ² K	1.69 W/m ² K	npd	npd
thermal insulation of frame and glazing connection ψ as per EN 1026/2, EN 1026/1/2	npd	0.052 W/m ² K	0.067 W/m ² K	npd	npd

* for the window width > 134 cm and height > 160 cm, npd = no performance determined



VI. TECHNICAL PARAMETERS FOR WINDOWS IN PARTICULAR SIZES											
frame external size (cm)	66x118	78x88	78x118	78x140	78x160	78x180	78x206	94x140	94x160	94x180	114x140
window size symbol	04	05	06	07	13	40	42	09	80	41	43
U-value	0.62	0.62	0.75	0.91	1.05	1.18	1.36	1.12	1.29	1.46	1.68
effective glazing area (m ²)	0.47	0.47	0.59	0.73	0.85	0.96	1.12	0.92	1.07	1.22	1.42
window weight for U3 glazing unit (kg/1m ²)	30	34	34	42	44	50	53	48	54	57	61
air inlet capacity at a pressure difference of 10Pa (m ³ /h)	23.34	27.89	27.89	27.89	27.89	27.89	27.89	27.89	27.89	27.89	27.89
U-value											
g-value											
UV radiation											
light transmittance factor $\tau_{l,v}$											
acoustic insulation Rw											
thermal insulation of frame and glazing connection ψ											
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