

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°-65° universal installation system on rafters and battens	
II. FEATURES		
Material	pinewood, vacuum impregnated	
Lacquer	acrylic natural colour	polyurethane white NCS S0502-Y
Varnishing	twice	triple
Air inlet type	automatic V4OP	
Air inlet capacity	up to 49m³/h	
System	top Safe	
Seals	four	
Micro-opening facility	+	
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 (450mm) as per EN 13049	
Applicability of glazing units	U3, U5, P5, P2, R1, G2	

WINDOW TYPE	FYP-V proSky	FYU-V proSky
IV. OPTIONS		
Wooden profiles for FYP-V	- painted in colours of RAL spectrum - painted in one of five Lazure colours - in mahogany 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 - AJP venetian blind - APS pleated blind - AMS insect screen	

Technical parameters	Glazing unit type			
	U3	U5	P2	P5
glazing U-value as per EN 673	1.0 W/m²K	0.5 W/m²K	1.0 W/m²K	0.5 W/m²K
window U-value as per EN 12567-2	1.3 W/m²K	0.97 W/m²K	1.3 W/m²K	0.97 W/m²K
acoustic insulation Rw as per EN ISO 717-1	32(-1;-5)	31(-1;-4)	33(-1;-4)	33(-1;-3)
light transmittance factor τ _v as per EN 410	0.70	0.73	0.70	0.63
solar factor g as per EN 410	0.53	0.53	0.52	0.48
UV radiation as per EN 410	0.26	0.28	0.01	0.01
frame thermal insulation U _f as per EN ISO 10077-1, EN ISO 10077-2	npd	npd	npd	npd
thermal insulation of frame and glazing connection Ψ as per EN ISO 10077-1, EN ISO 10077-2	npd	npd	npd	npd

* for the window width > 134 cm and height > 160 cm: npd – no performance determined

VII. TECHNICAL PARAMETERS FOR WINDOWS IN PARTICULAR SIZES												
frame external size [cm]	66x118	78x98	78x118	78x140	78x160	78x180	78x206	94x140	94x160	94x180	94x206	114x140
window size symbol	04	05	06	07	13	40	42	09	80	41	43	11
window internal area [m²]	0.62	0.62	0.75	0.91	1.05	1.18	1.36	1.12	1.29	1.46	1.68	1.38
effective glazing area [m²]	0.47	0.47	0.59	0.73	0.85	0.96	1.12	0.92	1.07	1.22	1.42	1.16
window weight for U3 glazing unit [kg]±1kg	31	31	35	40	44	48	53	49	52	54	60	55
air inlet capacity at a pressure difference of 10Pa [m³/h]	23.34	27.89	27.89	27.89	27.89	27.89	27.89	27.89	27.89	27.89	27.89	49.08



TECHNICAL SPECIFICATION

PYP-V proSky, ALUMINIUM CLAD-PLASTIC PIVOT ROOF WINDOWS WITH RAISED AXIS OF ROTATION



WINDOW TYPE	PYP-V proSky
I. APPLICATION	
Installation	installation angle 20°-65° universal installation system
II. FEATURES	
Material	PVC multi-chamber profiles
Colour	white (RAL 9010)
Varnishing	-
Air inlet type	V35
Air inlet capacity	up to 41m³/h
System	top Safe
Seals	four
Micro-opening facility	+
Handle	Elegant white
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 (450mm) as per EN 13049
Applicability of glazing units	U3, U5, P2, P5

WINDOW TYPE	PYP-V proSky
IV. OPTIONS	
Profiles	- available in veneer colours: - golden oak (GO) - pinewood (PI)
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 - AJP venetian blind - APS pleated blind - AMS insect screen

Technical parameters	Glazing unit type		
	U3	U5	P2
glazing U-value as per EN 673	1.0 W/m²K	0.5 W/m²K	1.0 W/m²K
window U-value as per EN 12567-2	1.4 W/m²K	1.1 W/m²K	1.4 W/m²K
acoustic insulation Rw as per EN ISO 717-1	32(-1;-4)	34(-2;-6)	33(-1;-4)
light transmittance factor τ _v as per EN 410	0.70	0.73	0.70
solar factor g as per EN 410	0.53	0.53	0.52
UV radiation as per EN 410	0.26	0.28	0.01
frame thermal insulation U _f as per EN ISO 10077-1, EN ISO 10077-2	npd	1.57 W/m²K	npd
thermal insulation of frame and glazing connection Ψ as per EN ISO 10077-1, EN ISO 10077-2	npd	0.061 W/mK	npd

* for the window width > 94 cm and height > 180 cm: npd
npd – no performance determined

VII. TECHNICAL PARAMETERS FOR WINDOWS IN PARTICULAR SIZES										
frame external size [cm]	66x118	78x98	78x118	78x140	78x160	78x180	94x140	94x160	94x180	114x140
window size symbol	04	05	06	07	13	40	09	80	41	11
window internal area [m²]	0.62	0.62	0.75	0.91	1.05	1.18	1.12	1.29	1.45	1.38
effective glazing area [m²]	0.47	0.47	0.59	0.73	0.85	0.96	0.92	1.07	1.22	1.16
window weight for U3 glazing unit [kg]±1kg	38	37	42	48	54	60	56	62	69	65
air inlet capacity at a pressure difference of 10Pa [m³/h]	20.59	25.32	25.32	25.32	25.32	25.32	27.55	27.55	27.55	40.97



TECHNICAL SPECIFICATION

FDY-V Duet proSky, FDY-V/U Duet proSky

WOODEN PIVOT ROOF WINDOWS

WITH RAISED AXIS OF ROTATION WITH LOWER TRANSOM



WINDOW TYPE	FDY-V Duet proSky	FDY-V/U Duet proSky
I. APPLICATION		
Installation	installation angle 25°-65°	
	universal installation system	
II. FEATURES		
Material	pinewood, vacuum impregnated	
Lacquer	acrylic natural colour	polyurethane white NCS S0502-Y
Varnishing	twice	triple
Air inlet type	automatic V40P	
Air inlet capacity	up to 49m³/h	
System	top Safe	
Seals	four	
Micro-opening facility	+	
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 C5* as per EN 12210	
Watertightness – unshielded (A)	E900 as per EN 12208	
Impact resistance	class 3 (450mm) as per EN 13049	
Applicability of glazing units	U3, P2, G2	

WINDOW TYPE	FDY-V Duet proSky	FDY-V/U Duet proSky
IV. OPTIONS		
Wooden profiles for FDY-V	<ul style="list-style-type: none"> - painted in colours of RAL spectrum - painted in one of five Lazure colours - in mahogany woodwork 	
Cladding	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - standard, - special, - combination 	
Control	<ul style="list-style-type: none"> - manual - electric 	
Mounting accessories	<ul style="list-style-type: none"> - insulation sets - linings - auxiliary rafters - insulating band - frame extensions 	
External accessories	<ul style="list-style-type: none"> - awning blind - roller shutter 	
Internal accessories	<ul style="list-style-type: none"> - ARF blackout blind - ARP roller blind - ARS standard roller blind - AJP venetian blind - APS pleated blind - AMS insect screen 	

VI. TECHNICAL PARAMETERS FOR WINDOWS WITH PARTICULAR GLAZING UNIT TYPES		
Technical parameters	Glazing unit type	
	U3	P2***
glazing U-value as per EN 673	1.0 W/m²K	1.1 W/m²K
window U-value as per EN 12567-2	1.3 W/m²K	1.3 W/m²K
acoustic insulation Rw as per EN ISO 717-1	32(-1;-5)	35(-1;-3)
light transmittance factor τ _v as per EN 410	0.70	0.70
solar factor g as per EN 410	0.53	0.52
UV radiation as per EN 410	0.26	0.01
frame thermal insulation U _f ** as per EN ISO 10077-1, EN ISO 10077-2	npd	1.828 W/m²K
thermal insulation of frame and glazing connection Ψ** as per EN ISO 10077-1, EN ISO 10077-2	npd	0.074 W/mK

* for the window width > 94 cm and height > 255 cm: npd
 ** FAKRO internal test results
 *** applies to FDY-V windows
 npd – no performance determined

VII. TECHNICAL PARAMETERS FOR WINDOWS IN PARTICULAR SIZES								
frame external size [cm]	78x186	78x206	78x235	78x255	94x186	94x206	94x235	94x255
top sash dimensions [cm]	78x140	78x160	78x160	78x160	78x140	94x160	94x160	94x160
bottom sash dimensions [cm]	78x50	78x50	78x78	78x98	78x50	94x50	94x78	94x98
window size symbol	CA	CB	CC	CD	DA	DB	DC	DD
window internal area [m²]	1.19	1.33	1.52	1.80	1.46	1.63	1.87	2.04
effective glazing area [m²]	0.91	1.03	1.20	1.32	1.15	1.30	1.52	1.67
window weight for U3 glazing unit [kg]±1kg	55	60	66	70	65	68	77	83
air inlet capacity at a pressure difference of 10Pa [m³/h]	27.89	27.89	27.89	27.89	27.89	27.89	27.89	27.89

