

**FTP-V Z-Wave, FTU-V Z-Wave
FTU-V Z-Wave, FTU-V Z-Wave
FTW-V Z-Wave, FTW-V Z-Wave**

ELECTRICALLY CONTROLLED WOODEN CENTRE PIVOT ROOF WINDOW

I. APPLICATION

	Electrically controlled centre pivot window
	Suitable for roofs with pitches between 15-90°

II. FEATURES

	The window factory equipped with: - actuator - remote control - rain sensor - handle for disconnecting the actuator - complete wiring system (230V) enabling easy connection, 12VDC contacts enabling easy installation of electric accessories
	Pinewood, natural colour (FTP), white NCS S0502-Y polyurethane (FTU) or acrylic (FTW)
	TopSafe system
	V40P automatic air inlet
	Quadruple sealing system
	Universal installation system
	Warm TGI spacer

III. ADDITIONAL PRODUCTS USED WITH WINDOWS

Flashings	
	standard
	special
	combination

Mounting accessories	
	insulation kits
	lining
	auxiliary rafters
	bands
	frame extensions

External accessories	
	awning blinds
	roller shutters

Internal accessories	
	blackout blinds
	roller blinds
	standard roller shutters
	awning blinds
	pleated blinds

Other accessories	
	insect screen

IV. OPTIONS

	Wooden profiles painted in any RAL colour or in one of five transparent colours
	External cladding elements painted in any RAL colour or manufactured using other cladding (CU, TC)
	Window with a mullion bar
	Non-standard glazing unit

V. DECLARATION OF PERFORMANCE

Harmonized standard	EN 14351-1:2006+A1:2010
Declaration of Performance No.	XXX/CPR/14351/15 Individual numbers of Declaration of Performance are to be found in the table with technical parameters

VI. TECHNICAL PARAMETERS

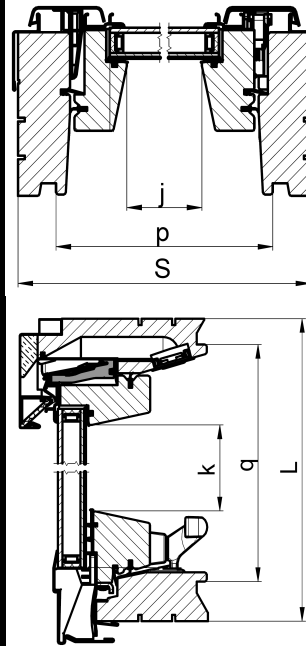
Technical parameters	Glazing unit type							
	U3	U5	P2	P5	R1	G2	G61	standards
- Window heat transmittance coefficient Uw [W/m²K]	1,3	0,97	1,3	0,97	1,3	1,3	1,3	EN 12567-2, EN 10077
- Glazing heat transmittance coefficient Ug [W/m²K]	1,0	0,5	1,0	0,5	1,0	1,0	1,0	EN 673
- Acoustic performance Rw [dB]	32 (-1;-5)	33 (-2;-6)	35 (-1;-3)	35 (-2;-4)	39 (-2;-5)**	35 (-1;-3)	39 (-2;-5)**	EN ISO 717-1
- max. capacity of air inlet [m³/h] - 10Pa	up to 49							
- air permeability class	3							
- light transmittance factor τv	0,76	0,73	0,70	0,63	0,75	0,40	0,40	EN 410
- solar factor [g]	0,53	0,53	0,52	0,48	0,51	0,23	0,23	EN 410
- UV permeability	0,26	0,28	0,01	0,01	0,02	0,01	0,01	EN 410
Declaration of Performance No.	A06/CPR/14351/xx	A08/CPR/14351/xx	A95/CPR/14351/xx	A08/CPR/14351/xx	A07/CPR/14351/xx	A96/CPR/14351/xx	A97/CPR/14351/xx	EN 14351-1:2006+A1:2010

* Result of FAKRO internal tests

** Parameter for the window without air inlet FTP R1, G61 Z-Wave (For the window FTP-V R1, G61 Z-Wave Rw= 36(-2;-3))

VII. DETAILED DIMENSIONS OF FTP-V Z-Wave, FTU-V Z-Wave WINDOWS

Window size	Size symbol	Frame external size	Distance between lining grooves		Glazing area		Glazing visible area
			S x L	p q	j k	j * k	
[cm]			[mm]				[m ²]
46 x 78	46	457 x 781	395	724	279	591	0.16
46 x 98	48	457 x 981	395	924	279	791	0.22
48 x 78	47	477 x 781	415	724	299	591	0.18
48 x 98	49	477 x 981	415	924	299	791	0.24
55 x 60	31	547 x 601	485	544	369	411	0.15
55 x 78	01	547 x 781	485	724	369	591	0.22
55 x 98	02	547 x 981	485	924	369	791	0.29
55 x 118	16	547 x 1181	485	1124	369	991	0.37
66 x 60	32	657 x 601	595	544	479	411	0.20
66 x 78	22	657 x 781	595	724	479	591	0.28
66 x 98	03	657 x 981	595	924	479	791	0.38
66 x 118	04	657 x 1181	595	1124	479	991	0.47
66 x 140	14	657 x 1401	595	1344	479	1211	0.58
78 x 60	33	777 x 601	715	544	599	411	0.25
78 x 78	23	777 x 781	715	724	599	591	0.35
78 x 98	05	777 x 981	715	924	599	791	0.47
78 x 118	06	777 x 1181	715	1124	599	991	0.59
78 x 140	07	777 x 1401	715	1344	599	1211	0.73
78 x 160	13	777 x 1601	715	1544	599	1411	0.85
94 x 60	34	937 x 601	875	544	759	411	0.31
94 x 78	24	937 x 781	875	724	759	591	0.45
94 x 98	15	937 x 981	875	924	759	791	0.60
94 x 118	08	937 x 1181	875	1124	759	991	0.75
94 x 140	09	937 x 1401	875	1344	759	1211	0.92
94 x 160	80	937 x 1601	875	1544	759	1411	1.07
114 x 60	35	1137 x 601	1075	544	959	411	0.39
114 x 78	25	1137 x 781	1075	724	959	591	0.57
114 x 118	10	1137 x 1181	1075	1124	959	991	0.95
114 x 140	11	1137 x 1401	1075	1344	959	1211	1.16
134 x 60	36	1337 x 601	1275	544	1159	411	0.48
134 x 78	26	1337 x 781	1275	724	1159	591	0.68
134 x 98	12	1337 x 981	1275	924	1159	791	0.92
134 x 118	18	1337 x 1181	1275	1124	1159	991	1.15
134 x 140	17	1337 x 1401	1275	1344	1159	1211	1.40



VIII. CAPACITY OF V40P AIR INLET

		Window width [cm]					
		55/..	66/..	78/..	94/..	114/..	134/..
Geometric area * [mm ²]		2,436	3,480	4,524	4,524	6,960	6,960
Pressure difference [Pa]							
1	[m ³ /h]	5.27	6.9	8.58	8.58	14.89	14.89
	[l/s]	1.46	1.92	2.38	2.38	4.14	4.14
2	[m ³ /h]	7.66	10.07	12.39	12.39	21.64	21.64
	[l/s]	2.13	2.8	3.44	3.44	6.01	6.01
10	[m ³ /h]	17.28	23.34	27.89	27.89	49.08	49.08
	[l/s]	4.8	6.48	7.75	7.75	13.63	13.63
20	[m ³ /h]	16.86	30.97	34.12	34.12	70.84	70.84
	[l/s]	4.68	8.6	9.48	9.48	19.68	19.68

* the smallest cross-section area of the air inlet channel

