

TECHNICAL SPECIFICATION

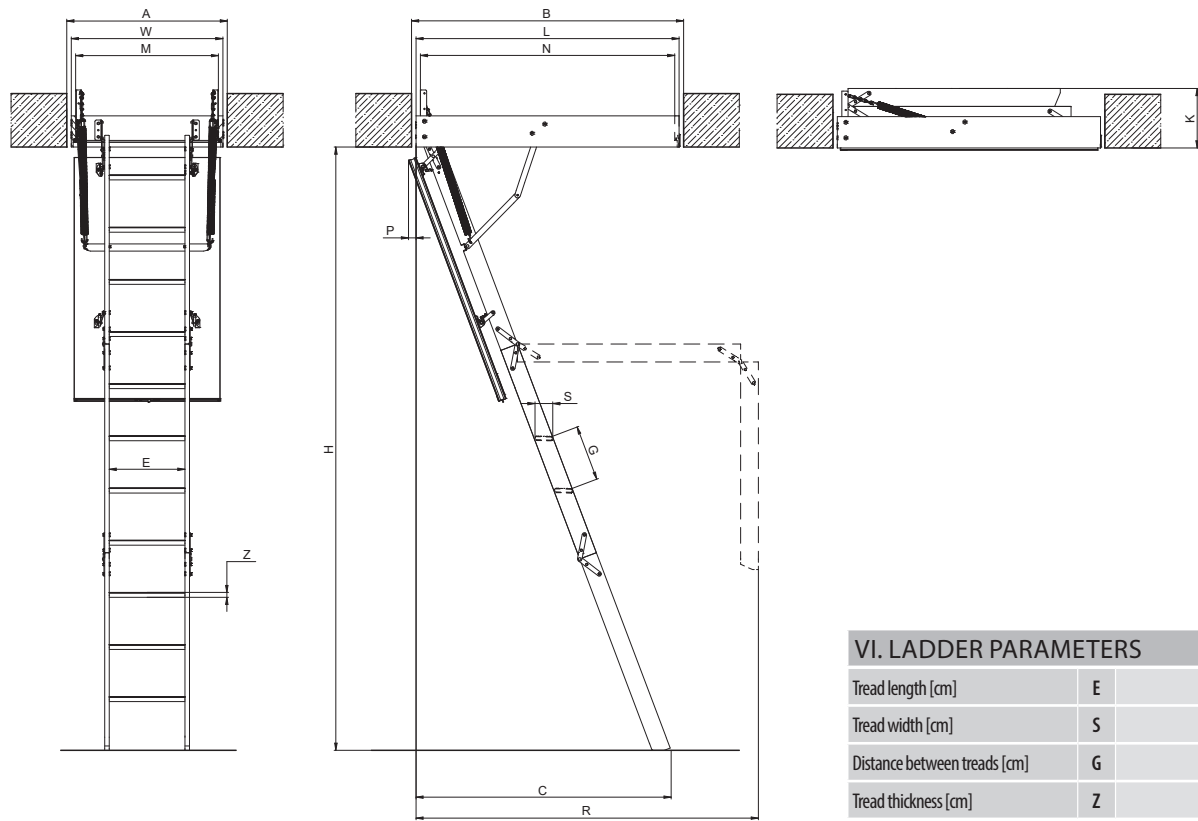
LWS Smart

FOLDING WOODEN SECTION LOFT LADDERS

LOFT LADDER TYPE	LWS Smart
	 Compliant with EN14975
I. APPLICATION	
Room height [cm]	280
Installation	- fully assembled product - easy to install (use of special fasteners – the so called „clicks“)
II. FEATURES	
Box	pinewood
Hatch	thermo-insulating
Hatch colour	beige
Lock	+
Unloading mechanism	–
Ladder	pinewood
Seal	peripheral
Treads	anti-slip
Handrail	–
Finishing trims	–
Stile ends	–
III. TECHNICAL PARAMETERS	
Stairs heat transfer coefficient U	1.1 W/m²K
Thermal insulation thickness	3 cm
Hatch thickness	3.6 cm
Maximum loading	160 kg
IV. OPTIONS	
Accessories	- handrail - balustrade - installation brackets - wooden trims - plastic trims - box extension - upper hatch** - insulation kit - supporting mechanism (only in 3-section version) - stile ends - additional tread

** for 4-segment stairs use LXN box extension before upper hatch

V. LOFT LADDER DIAGRAM



VI. LADDER PARAMETERS

Tread length [cm]	E	34
Tread width [cm]	S	8
Distance between treads [cm]	G	25
Tread thickness [cm]	Z	2

VII. TECHNICAL PARAMETERS FOR LOFT LADDERS IN PARTICULAR SIZES

Ceiling opening dimensions [cm]	AxB	60x120	70x120
			
Room height [cm]	H	280	
Min. room height [cm]	H _{min}	232	
Box external dimensions [cm]	WxL	58x118.4	68x118.4
Box internal dimensions [cm]	MxN	54x114	64x114
Height of folded ladder [cm]	K	27	
Swing space [cm]	R	156	156
Distance after ladder unfolding [cm]	C	120	120
Hatch board retraction after opening [cm]	P	4	
Box height [cm]		14	
Number of sections		3	

TECHNICAL SPECIFICATION

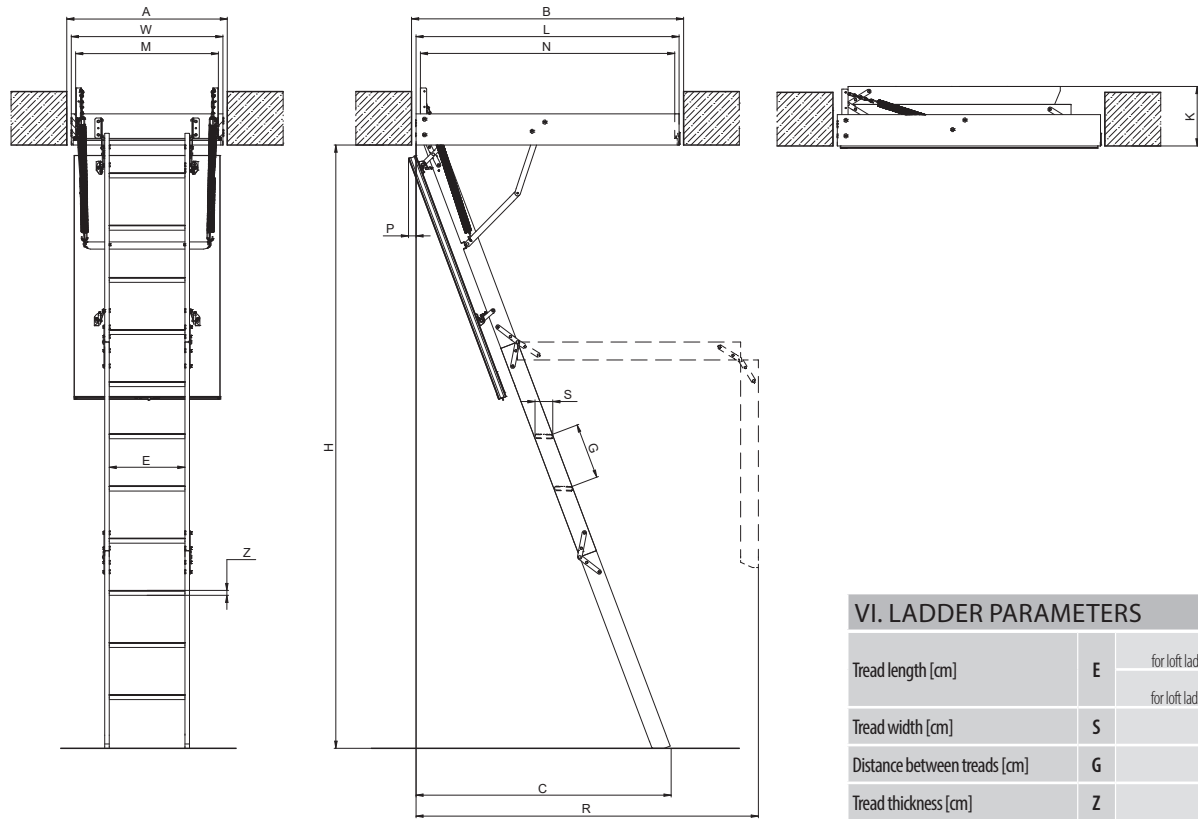
LWK Komfort

FOLDING WOODEN SECTION LOFT LADDERS

LOFT LADDER TYPE	LWK Komfort
	 Compliant with EN14975
I. APPLICATION	
Room height [cm]	280, 305
Installation	- fully assembled product - easy to install (use of special fasteners – the so called „clicks“)
II. FEATURES	
Box	pinewood
Hatch	thermo-insulating
Hatch colour	white
Lock	+
Unloading mechanism	–
Ladder	pinewood
Seal	peripheral
Treads	anti-slip
Handrail	x 1
Finishing trims	–
Stile ends	+ (only in 3-section version)
III. TECHNICAL PARAMETERS	
Hatch heat transfer coefficient U	1.1 W/m²K
Thermal insulation thickness	3 cm
Hatch thickness	3.6 cm
Maximum loading	160 kg
IV. OPTIONS	
Accessories	- handrail - balustrade - installation brackets - wooden trims - plastic trims - box extension - upper hatch** - insulation kit - supporting mechanism (only in 3-section version) - stile ends (only in 3-section version) - additional tread

** for 4-segment stairs use LXN box extension before upper hatch

V. LOFT LADDER DIAGRAM



VI. LADDER PARAMETERS

Tread length [cm]	E	30 for loft ladders with a width of 55 cm 34 for loft ladders with a width >55 cm
Tread width [cm]	S	8
Distance between treads [cm]	G	25
Tread thickness [cm]	Z	2

VII. TECHNICAL PARAMETERS FOR LOFT LADDERS IN PARTICULAR SIZES

Ceiling opening dimensions [cm]	AxB	55x111	60x94	60x100	60x111	60x120	60x130	70x94	70x100	70x111	70x120	70x130	70x140	60x130	60x140	70x130	70x140
																	
Room height [cm]	H	280												305			
Min. room height [cm]	H _{min}	232	250		232		250		232				246				
Box external dimensions [cm]	WxL	53x109.4	58x92.4	58x98.4	58x109.4	58x118.4	58x128.4	68x92.4	68x98.4	68x109.4	68x118.4	68x128.4	68x138.4	58x128.4	58x138.4	68x128.4	68x138.4
Box internal dimensions [cm]	MxN	49x105	54x88	54x94	54x105	54x114	54x124	64x88	64x94	64x105	64x114	64x124	64x134	54x124	54x134	64x124	64x134
Height of folded ladder [cm]	K	27	35		27		35		27								
Swing space [cm]	R	153	128		153	156		128		153	156		175				
Distance after ladder unfolding [cm]	C	113	114		113	120		114		113	120		135				
Hatch board retraction after opening [cm]	P	4															
Box height [cm]		14															
Number of sections		3	4		3		4		3								

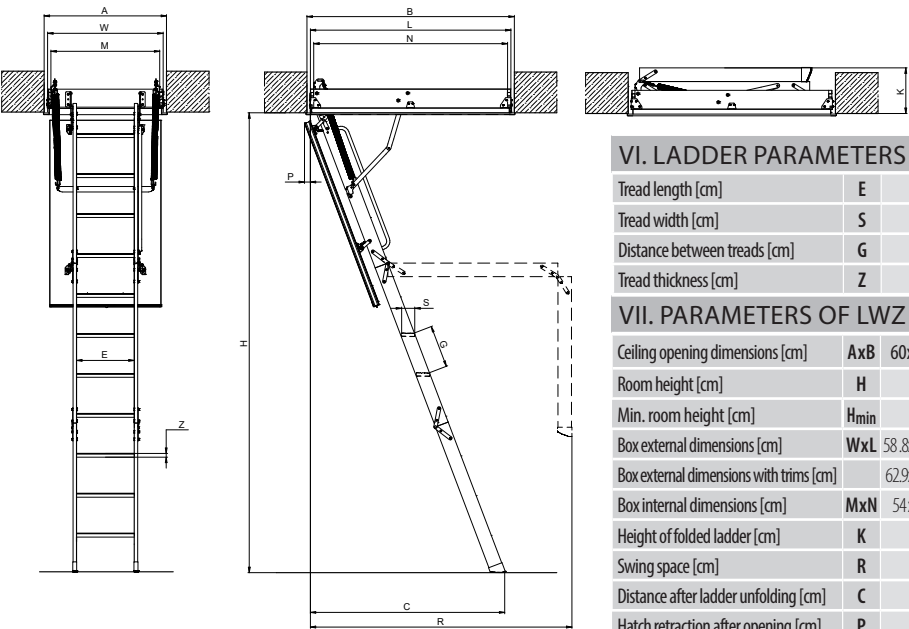
TECHNICAL SPECIFICATION

LWZ Plus, LWL Extra

FOLDING WOODEN 3-SECTION LOFT LADDER

LOFT LADDER TYPE	LWZ Plus	LWL Extra
	 Compliant with EN14975	 Compliant with EN14975
I. APPLICATION		
Room height [cm]	280, 305	
Installation	- fully assembled product - quick mounting system in the ceiling-Quick-fit brackets built into steel frame	- fully assembled product - easy to install (use of special fasteners – the so called „clicks“)
II. FEATURES		
Box	metal framework combined with pinewood box	pinewood
Hatch	thermo-insulating	
Hatch colour	white	
Lock	+	+
Unloading mechanism	–	–
Ladder supporting mechanism	–	+
Ladder	pinewood	
Seal	peripheral	
Treads	anti-slip	
Handrail	x1	x2
Finishing trims	metal integrated with a steel framework	–
Stile ends	+	
III. TECHNICAL PARAMETERS		
Heat transfer coefficient U	1.1 W/m²K (for the hatch)	0.74 W/m²K (for the stairs)
Thermal insulation thickness	3 cm	5 cm
Hatch thickness	3.6 cm	5.6 cm
Maximum loading	160 kg	
Air tightness class	npd	class 4 (the highest) as per EN 12207
IV. OPTIONS		
Accessories	- handrail - balustrade - box extension - upper hatch - additional tread - stile ends - ladder supporting mechanism	- balustrade - installation brackets - wooden trims - plastic trims - box extension - upper hatch - insulation kit - additional tread - stile ends

V. DIAGRAM OF LWZ Plus LOFT LADDER



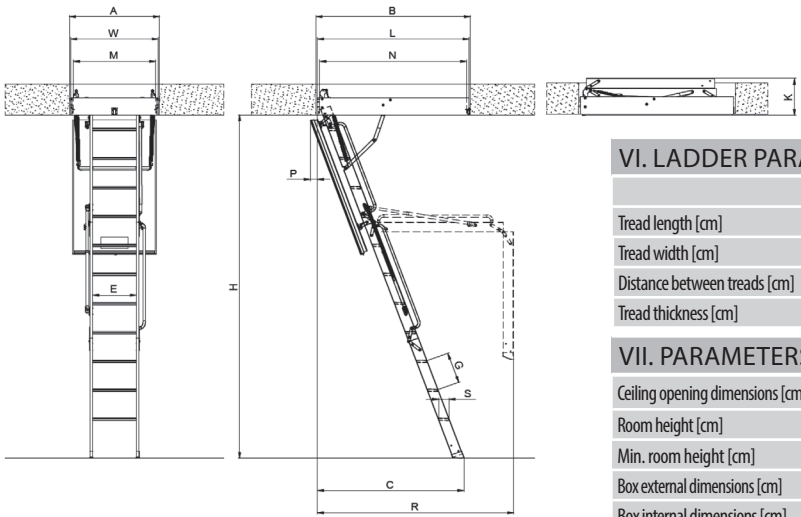
VI. LADDER PARAMETERS

Tread length [cm]	E	34
Tread width [cm]	S	8
Distance between treads [cm]	G	25
Tread thickness [cm]	Z	2

VII. PARAMETERS OF LWZ Plus LOFT LADDER

Ceiling opening dimensions [cm]	AxB	60x120	70x120	70x130	70x140	60x130	70x130	70x140
Room height [cm]	H	280				305		
Min. room height [cm]	H _{min}	232				246		
Box external dimensions [cm]	WxL	58.8x118.8	68.8x118.8	68.8x128.8	68.8x138.8	58.8x128.8	68.8x128.8	68.8x138.8
Box external dimensions with trims [cm]		62.9x122.9	72.9x122.9	72.9x132.9	72.9x142.9	62.9x132.9	72.9x132.9	72.9x142.9
Box internal dimensions [cm]	MxN	54x114	64x114	64x124	64x134	54x124	64x124	64x134
Height of folded ladder [cm]	K	27						
Swing space [cm]	R	156				175		
Distance after ladder unfolding [cm]	C	120				135		
Hatch retraction after opening [cm]	P	4						
Box height [cm]		14						

V. DIAGRAM OF LWL Extra LOFT LADDER



VI. LADDER PARAMETERS

		60 x ...	70 x ...
Tread length [cm]	E	30	34
Tread width [cm]	S	8	
Distance between treads [cm]	G	25	
Tread thickness [cm]	Z	2	

VII. PARAMETERS OF LWL Extra LOFT LADDER

Ceiling opening dimensions [cm]	AxB	60x120	70x120	70x130	70x140	60x130	70x130	70x140
Room height [cm]	H	280				305		
Min. room height [cm]	H _{min}	260				280		
Box external dimensions [cm]	WxL	58 x 118.4	68 x 118.4	68 x 128.4	68 x 138.4	58 x 128.4	68 x 128.4	68 x 138.4
Box internal dimensions [cm]	MxN	54 x 114	64 x 114	64 x 124	64 x 134	54 x 124	64 x 124	64 x 134
Height of folded ladder [cm]	K	30						
Swing space [cm]	R	156				175		
Distance after ladder unfolding [cm]	C	120				135		
Hatch retraction after opening [cm]	P	6						
Box height [cm]		14						

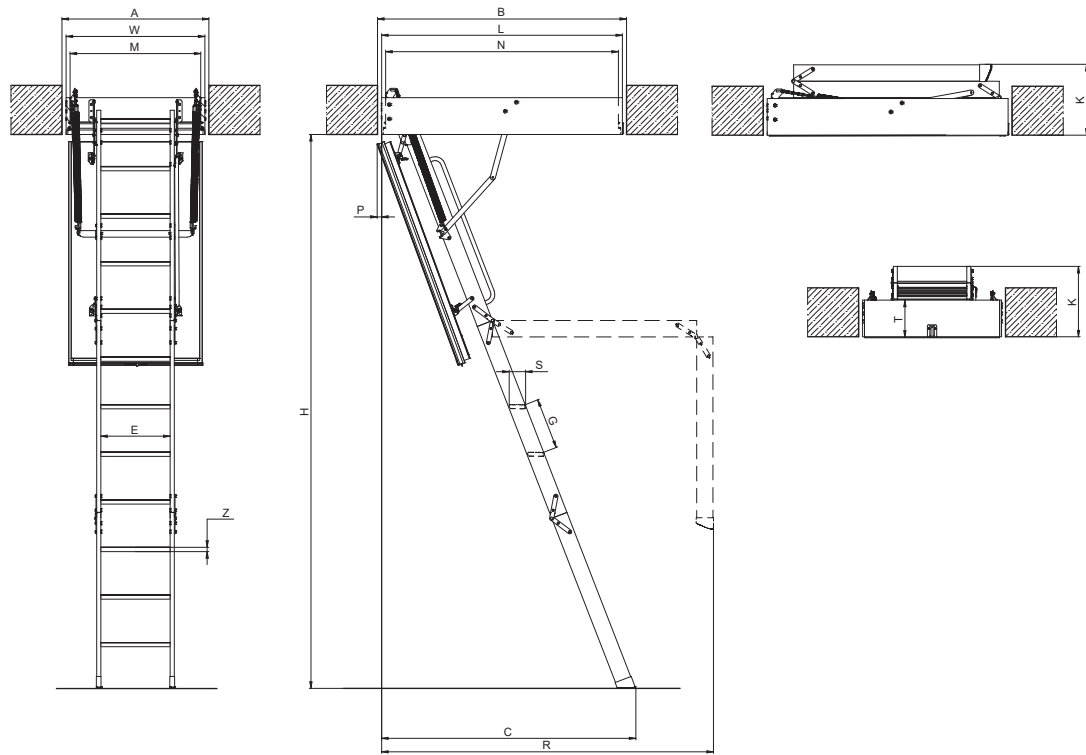
TECHNICAL SPECIFICATION

LTK Energy

FOLDING WOODEN SECTION INSULATED LOFT LADDER

LOFT LADDER TYPE	LTK Energy
	 Compliant with EN14975
I. APPLICATION	
Room height [cm]	280, 305
Installation	- fully assembled product - easy to install (use of special fasteners – the so called „clicks“)
II. FEATURES	
Box	pinewood
Hatch	extra thermo-insulating
Hatch colour	white
Lock	+
Unloading mechanism	–
Ladder	pinewood
Seal	peripheral x 2
Treads	anti-slip
Handrail	x1
Finishing trims	–
Stile ends	+ (only in 3-section version)
III. TECHNICAL PARAMETERS	
Stairs heat transfer coefficient U	0.68 W/m²K
Thermal insulation thickness	6 cm
Hatch thickness	6.6 cm
Maximum loading	160 kg
Air tightness class	class 4 (the highest) as per EN 12207
IV. OPTIONS	
Accessories	- handrail - balustrade - installation brackets - wooden trims - plastic trims - box extension - upper hatch** - insulation kit - ladder supporting mechanism - stile ends (only in 3-section version)

V. DIAGRAM OF LTK Energy LOFT LADDER



VI. LADDER PARAMETERS

		55x...	60x... i 70x...
Tread length [cm]	E	30	34
Tread width [cm]	S		8
Distance between treads [cm]	G		25
Tread thickness [cm]	Z		2

VII. PARAMETERS OF LTK ENERGY LOFT LADDER

Ceiling opening dimensions [cm]	AxB	55x100	60x100	70x100	60x120	70x120	70x130	70x140	60x130	70x130	70x140
Room height [cm]	H					280					305
Min. room height [cm]	H _{min}		253			235					243
Box external dimensions [cm]	WxL	53x98.4	58x98.4	68x98.4	58x118.4	68x118.4	68x128.4	68x138.4	58x128.4	68x128.4	68x138.4
Box internal dimensions [cm]	MxN	49x94	54x94	64x94	54x114	64x114	64x124	64x134	54x124	64x124	64x134
Height of folded ladder [cm]	K		42					35			
Swing space [cm]	R		136			164				178	
Distance after ladder unfolding [cm]	C		123			129				139	
Hatch board retraction after opening [cm]	P						3				
Box height [cm]						18					
Number of sections			4					3			

** for 4-segment stairs use LXN box extension before upper hatch

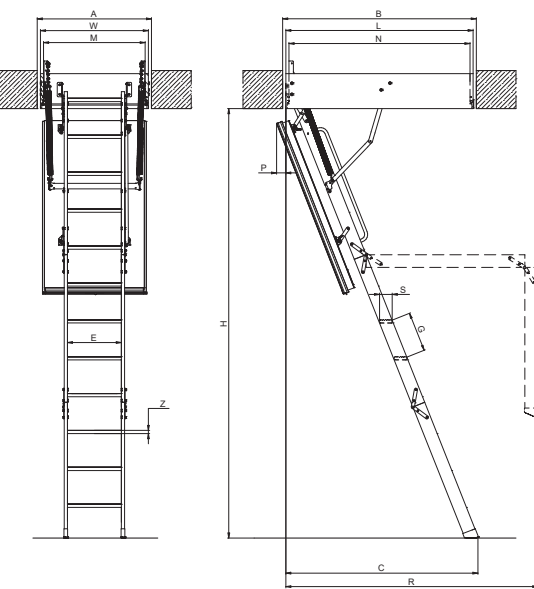
TECHNICAL SPECIFICATION

LWT FOLDING WOODEN SECTION INSULATED LOFT LADDER

LOFT LADDER TYPE	LWT	LWT Passive House
	 Compliant with EN14975	  Compliant with EN14975
I. APPLICATION		
Room height [cm]	280, 305	280, 305
Installation	- fully assembled product - easy to install (use of special fasteners – the so called „clicks“)	- fully assembled product - easy to install (use of special fasteners – the so called „clicks“) - PASSIVE HOUSE Insulation kit
II. FEATURES		
Box	pinewood	
Hatch	extra thermo-insulating	
Hatch colour	white	
Lock	+	
Unloading mechanism	–	
Ladder	pinewood	
Seal	x 3	
Treads	anti-slip, equal to ladder's stringers	
Handrail	+	
Finishing trims	–	
Stile ends	+	
III. TECHNICAL PARAMETERS		
Stairs heat transfer coefficient U	0.51 W/m²K	0.51 W/m²K
Thermal insulation thickness	7.4 cm	7.4 cm
Hatch thickness	8 cm	8 cm
Maximum loading	160 kg	160 kg
Air tightness class	class 4 (the highest) as per EN 12207	
IV. OPTIONS		
Accessories	- handrail - balustrade - installation brackets - wooden trims - plastic trims - box extension - upper hatch** - insulation kit - ladder supporting mechanism - stile ends	- handrail - balustrade - installation brackets - wooden trims - plastic trims - box extension - upper hatch - ladder supporting mechanism - stile ends

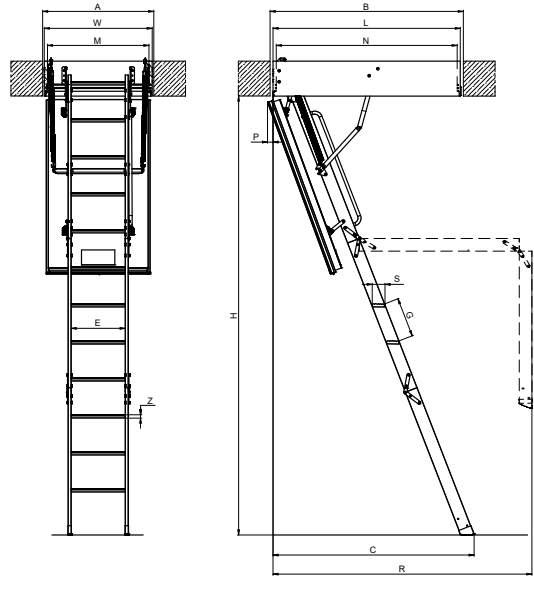
** for 4-segment stairs use LXN box extension before upper hatch

V. DIAGRAM OF LWT LOFT LADDER



VI. LADDER PARAMETERS											
Tread length [cm]	E	34									
Tread width [cm]	S	8									
Distance between treads [cm]	G	25									
Tread thickness [cm]	Z	2									
VII. PARAMETERS OF LWT LOFT LADDER											
Ceiling opening dimensions [cm]	AxB	55x100	60x100	70x100	60x120	70x120	70x130	70x140	60x130	70x130	70x140
Room height [cm]	H	280							305		
Min. room height [cm]	H _{min}	253			234				242		
Box external dimensions [cm]	WxL	53 x 98.4	58 x 98.4	68 x 98.4	58 x 118.4	68 x 118.4	68 x 128.4	68 x 138.4	58 x 128.4	68 x 128.4	68 x 138.4
Box internal dimensions [cm]	MxN	49x94	54x94	64x94	54x114	64x114	64x124	64x134	54x124	64x124	64x134
Height of folded ladder [cm]	K	43,5			36						
Swing space [cm]	R	136			164				178		
Distance after ladder unfolding [cm]	C	123			127				137		
Hatch board retraction after opening [cm]	P	4.5									
Box height [cm]		22									
Number of sections		4			3						

V. DIAGRAM OF LWT PASSIVE HOUSE LOFT LADDER



VI. LADDER PARAMETERS								
Tread length [cm]	E	34						
Tread width [cm]	S	8						
Distance between treads [cm]	G	25						
Tread thickness [cm]	Z	2						
VII. PARAMETERS OF LWT PASSIVE HOUSE LOFT LADDER								
Ceiling opening dimensions [cm]	AxB	62x122	72x122	72x132	72x142	62x132	72x132	72x142
Room height [cm]	H	280				305		
Min. room height [cm]	H _{min}	234				242		
Box external dimensions [cm]	WxL	58 x 118.4	68 x 118.4	68 x 128.4	68 x 138.4	58 x 128.4	68 x 128.4	68 x 138.4
Box internal dimensions [cm]	MxN	54 x 114	64 x 114	64 x 124	64 x 134	54 x 124	64 x 124	64 x 134
Height of folded ladder [cm]	K	36						
Swing space [cm]	R	164				178		
Distance after ladder unfolding [cm]	C	130				137		
Hatch board retraction after opening [cm]	P	45						
Box height [cm]		22						

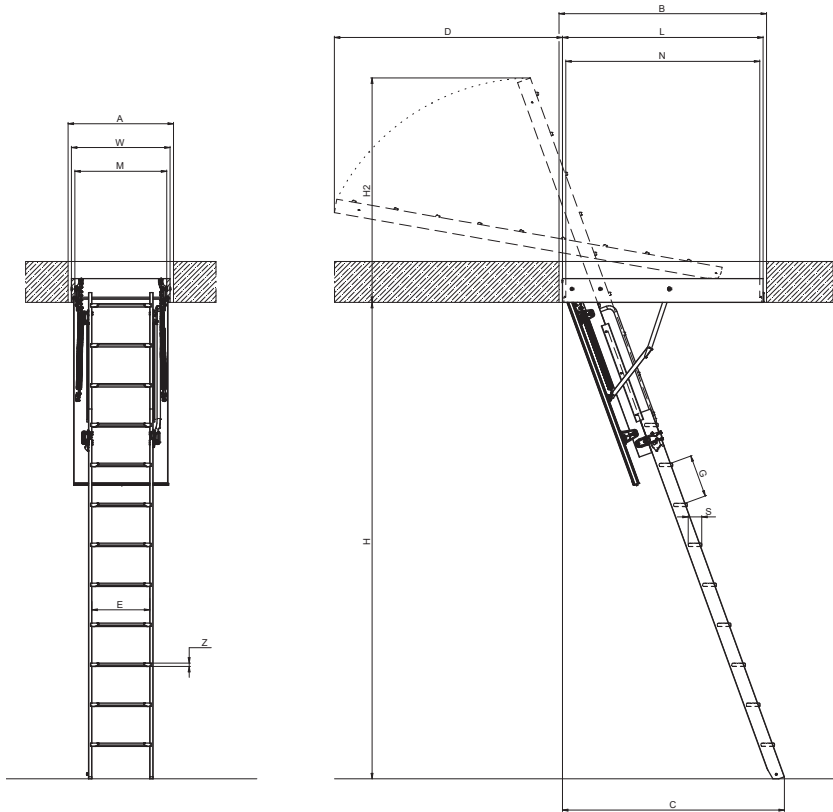
TECHNICAL SPECIFICATION

LDK

SLIDING WOODEN DOUBLE-SECTION LOFT LADDERS

LOFT LADDER TYPE	LDK
	 Compliant with EN14975
I. APPLICATION	
Room height [cm]	280, 305
Installation	- fully assembled product - ready for quick installation in the ceiling
II. FEATURES	
Box	pinewood
Hatch	thermo-insulating
Hatch colour	white
Lock	+
Unloading mechanism	-
Ladder	pinewood
Folding	A specially developed mechanism allows sliding of the sections in relation to each other. The longer section can be pulled down to form a stable ladder. When folding the ladder, the longer section is retracted and stored in the attic.
Seal	peripheral
Treads	anti-slip
Handrail	+
Finishing trims	-
Stile ends	-
III. TECHNICAL PARAMETERS	
Hatch heat transfer coefficient U	1.1 W/m²K
Thermal insulation thickness	3 cm
Hatch thickness	3.6 cm
Maximum loading	160 kg
IV. OPTIONS	
Accessories	- balustrade - handrail - installation brackets - wooden trims - plastic trims - box extension - insulation kit

V. DIAGRAM OF LDK LOFT LADDER



VI. LADDER PARAMETERS

Tread length [cm]	E	34
Tread width [cm]	S	8
Distance between treads [cm]	G	25
Tread thickness [cm]	Z	2

VII. PARAMETERS OF LDK LOFT LADDER

Ceiling opening dimensions [cm]	AxB	60x120	70x120	70x130	70x140	60x120	70x120	70x130	70x140
									
Sliding section LDS		LDS-9				LDS-10			
Room height [cm]	H	280				305			
Min. room height [cm]	H _{min}	200							
Box external dimensions [cm]	WxL	58 x 118.4	68 x 118.4	68 x 128.4	68 x 138.4	58 x 118.4	68 x 118.4	68 x 128.4	68 x 138.4
Box internal dimensions [cm]	MxN	54 x 114	64 x 114	64 x 124	64 x 134	54 x 114	64 x 114	64 x 124	64 x 134
Distance after ladder unfolding [cm]	C	130				140			
Maximum height in the ceiling with the ladder folded [cm]	H2	130				155			
Maximum length in the ceiling with the hatch closed [cm]	D	129				155			
Box height [cm]		14							
Ceiling maximum thickness [cm]		35							

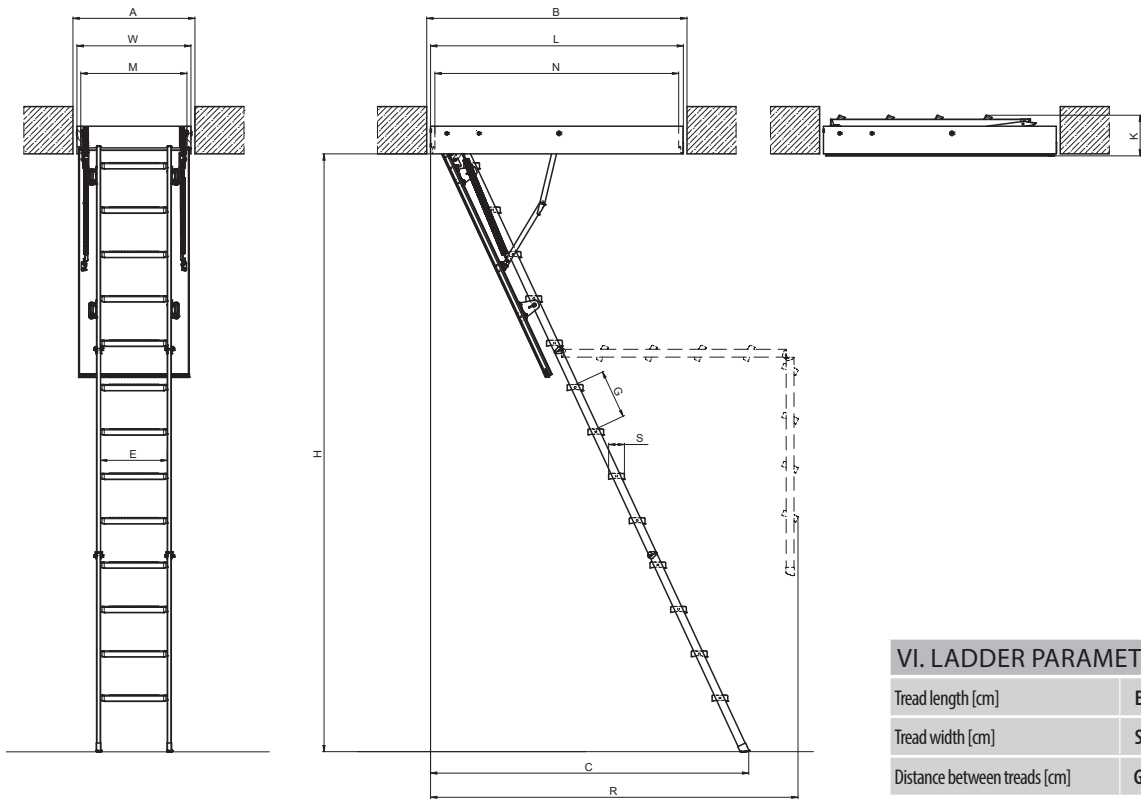
TECHNICAL SPECIFICATION

LMS Smart

FOLDING METAL SECTION LOFT LADDERS

LOFT LADDER TYPE	LMS Smart	
	 Compliant with EN14975	
I. APPLICATION		
Room height [cm]	280	
Installation	- fully assembled product - ready for quick installation in the ceiling	
II. FEATURES		
Box	pinewood	
Hatch	thermo-insulating	
Hatch colour	beige	
Lock	+	
Unloading mechanism	-	
Ladder	metal, powder-coated with hard wearing lacquer in grey RAL 7022	
Seal	peripheral	
Treads	metal, anti-slip	
Handrail	-	
Finishing trims	-	
Stile ends	+	
III. TECHNICAL PARAMETERS		
Hatch heat transfer coefficient U	1.1 W/m²K	
Thermal insulation thickness	3 cm	
Hatch thickness	3.6 cm	
Maximum loading	200 kg	
IV. OPTIONS		
Accessories	- handrail - balustrade - installation brackets - wooden trims - plastic trims - box extension - upper hatch - insulation kit - additional tread	

V. DIAGRAM OF LMS SMART LOFT LADDER



VI. LADDER PARAMETERS

Tread length [cm]	E	34
Tread width [cm]	S	8
Distance between treads [cm]	G	25

VII. PARAMETERS OF LMS SMART LOFT LADDER

Ceiling opening dimensions [cm]	AxB	60x120	70x120
Room height [cm]	H	280	
Min. room height [cm]	H _{min}	220	
Box external dimensions [cm]	WxL	58x118.4	68x118.4
Box internal dimensions [cm]	MxN	54x114	64x114
Height of folded ladder [cm]	K	25.5	
Swing space [cm]	R	157	
Distance after ladder unfolding [cm]	C	118.5	
Box height [cm]		14	

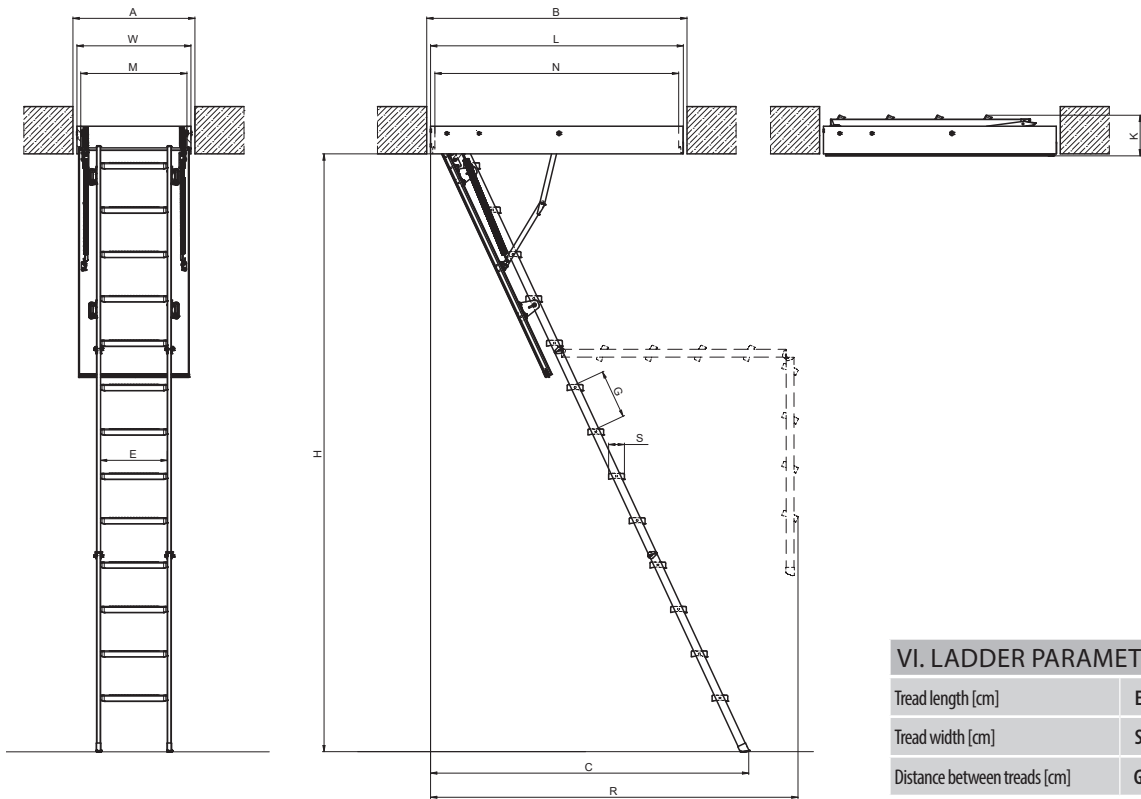
TECHNICAL SPECIFICATION

LMK Komfort

FOLDING METAL SECTION LOFT LADDERS

LOFT LADDER TYPE	LMK Komfort
	 Compliant with EN14975
I. APPLICATION	
Room height [cm]	280, 305
Installation	- fully assembled product - ready for quick installation in the ceiling
II. FEATURES	
Box	pinewood
Hatch	thermo-insulating
Hatch colour	white
Lock	+
Unloading mechanism	–
Ladder	metal, powder-coated with hard wearing lacquer in grey RAL 7022
Seal	peripheral
Treads	metal, anti-slip
Handrail	x 1
Finishing trims	–
Stile ends	+
III. TECHNICAL PARAMETERS	
Hatch heat transfer coefficient U	1.1 W/m²K
Thermal insulation thickness	3 cm
Hatch thickness	3.6 cm
Maximum loading	200 kg
IV. OPTIONS	
Accessories	- handrail - balustrade - installation brackets - wooden trims - plastic trims - box extension - upper hatch - insulation kit - additional tread

V. DIAGRAM OF LMK KOMFORT LOFT LADDER



VI. LADDER PARAMETERS

Tread length [cm]	E	34
Tread width [cm]	S	8
Distance between treads [cm]	G	25

VII. PARAMETERS LMK KOMFORT LOFT LADDER

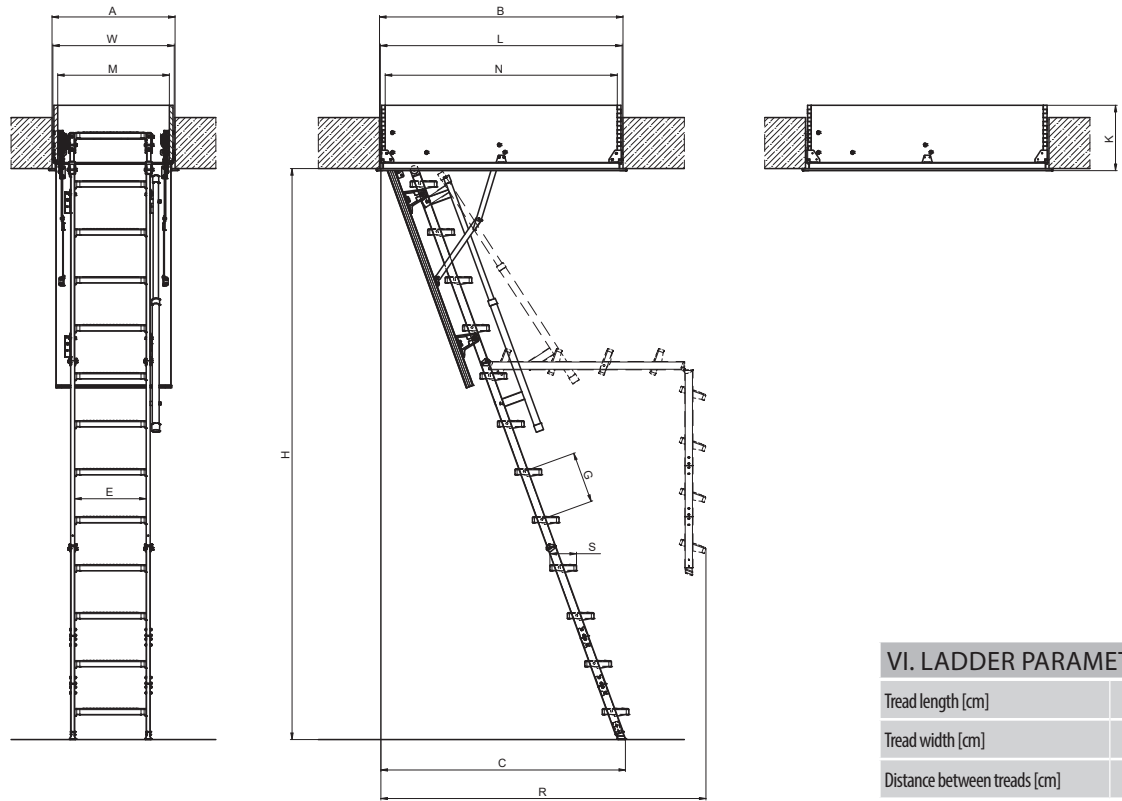
Ceiling opening dimensions [cm]	AxB	60x120	70x120	70x130	70x140	60x130	70x130	70x140
								
Room height [cm]	H	280				305		
Min. room height [cm]	H _{min}	220				245		
Box external dimensions [cm]	WxL	58x118.4	68x118.4	68x128.4	68x138.4	58x128.4	68x128.4	68x138.4
Box internal dimensions [cm]	MxN	54x114	64x114	64x124	64x134	54x124	64x124	64x134
Height of folded ladder [cm]	K	25.5						
Swing space [cm]	R	157				175		
Distance after ladder unfolding [cm]	C	118.5				127		
Box height [cm]		14						

TECHNICAL SPECIFICATION

LML Lux
FOLDING METAL SECTION LOFT LADDER

LOFT LADDER TYPE	LML Lux	
		Compliant with EN14975
I. APPLICATION		
Room height [cm]	280, 305	
Installation	- fully assembled product - quick mounting system in the ceiling (installation brackets) - ready for quick installation in the ceiling	
II. FEATURES		
Box	metal frame, pinewood box	
Hatch	thermo-insulating	
Hatch colour	white	
Lock	—	
Unloading mechanism	+	
Ladder	metal, powder-coated with hard wearing lacquer in grey RAL 9006	
Seal	peripheral	
Treads	metal, anti-slip	
Handrail	telescopic with mechanism supporting folding and unfolding the ladder	
Finishing trims	metal integrated with a steel framework	
Stile ends	retractable	
III. TECHNICAL PARAMETERS		
Hatch heat transfer coefficient U	1.1 W/m²K	
Thermal insulation thickness	3 cm	
Hatch thickness	3.6 cm	
Maximum loading	200 kg	
IV. OPTIONS		
Accessories	- handrail - box extension - upper hatch - LXX-D installation set	

V. DIAGRAM OF LML LUX LOFT LADDER



VI. LADDER PARAMETERS

Tread length [cm]	E	35
Tread width [cm]	S	13
Distance between treads [cm]	G	25

VII. PARAMETERS OF LML LUX LOFT LADDER

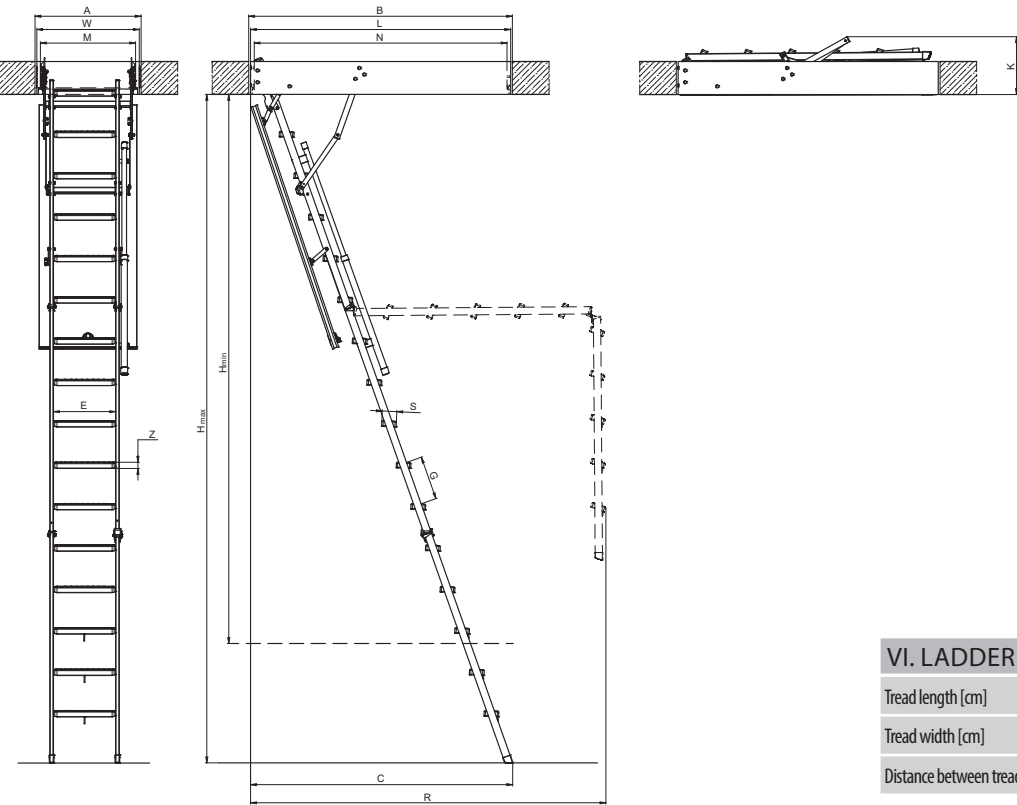
Ceiling opening dimensions [cm]	AxB	60x120	70x120	70x130	70x140	86x130	92x130	60x130	70x130	70x140	86x130	92x130
												
Room height [cm]	H	280						305				
Min. room height [cm]	H _{min}	233						256				
Box external dimensions [cm]		59.6x118.6	68.6x118.6	68.6x128.6	68.6x138.6	84.6x128.6	90.6x128.6	59.6x128.6	68.6x128.6	68.6x138.6	84.6x128.6	90.6x128.6
Box external dimensions with trims [cm]		63.6x122.6	72.6x122.6	72.6x132.6	72.6x142.6	88.6x132.6	94.6x132.6	56x124	72.6x132.6	72.6x142.6	88.6x132.6	94.6x132.6
Box internal dimensions [cm]		55x114	64x114	64x124	64x134	80x124	86x124	55x124	64x124	64x134	80x124	86x124
Height of folded ladder [cm]	K	315										
Swing space [cm]	R	167						178				
Distance after ladder unfolding [cm]	C	120						130				
Box height [cm]		315										

TECHNICAL SPECIFICATION

LMP
FOLDING METAL SECTION LOFT LADDER

LOFT LADDER TYPE	LMP
	 Compliant with PN-EN 14975+A1:2010
I. APPLICATION	
Room height [cm]	366
Installation	- fully assembled product - ready for quick mounting in the ceiling
II. FEATURES	
Box	pinewood
Hatch	insulated
Hatch colour	white
Lock	—
Unloading mechanism	+
Ladder	metal, powder coated in RAL 7022
Seal	peripheral
Treads	metal, anti-slip
Handrail	telescopic with mechanism supporting folding and unfolding the ladder
Finishing trims	metal integrated with a steel framework
Stile ends	retractable
III. TECHNICAL PARAMETERS	
Hatch heat transfer coefficient U	1.1 W/m²K
Thermal insulation thickness	3 cm
Hatch thickness	3,6 cm
Maximum loading	200 kg
IV. OPTIONS	
Accessories	- balustrade - box extension - upper hatch - LXX-D mounting system

V. LOFT LADDER DIAGRAM



VI. LADDER PARAMETERS		
Tread length [cm]	E	34
Tread width [cm]	S	8
Distance between treads [cm]	G	24

VII. TECHNICAL PARAMETERS FOR LOFT LADDERS IN PARTICULAR SIZES

Ceiling opening dimensions [cm]	AxB	60x144	70x144	86x144
				
Room height [cm]	H	366		
Min. room height [cm]	H _{min}	300		
Box external dimensions [cm]		58x142.2	68x142.2	84x142.2
Box internal dimensions [cm]		54x138.2	64x138.2	80x138.2
Height of folded ladder [cm]	K	32		
Swing space [cm]	R	196		
Distance after ladder unfolding [cm]	C	145		
Box height [cm]		18		

TECHNICAL SPECIFICATION

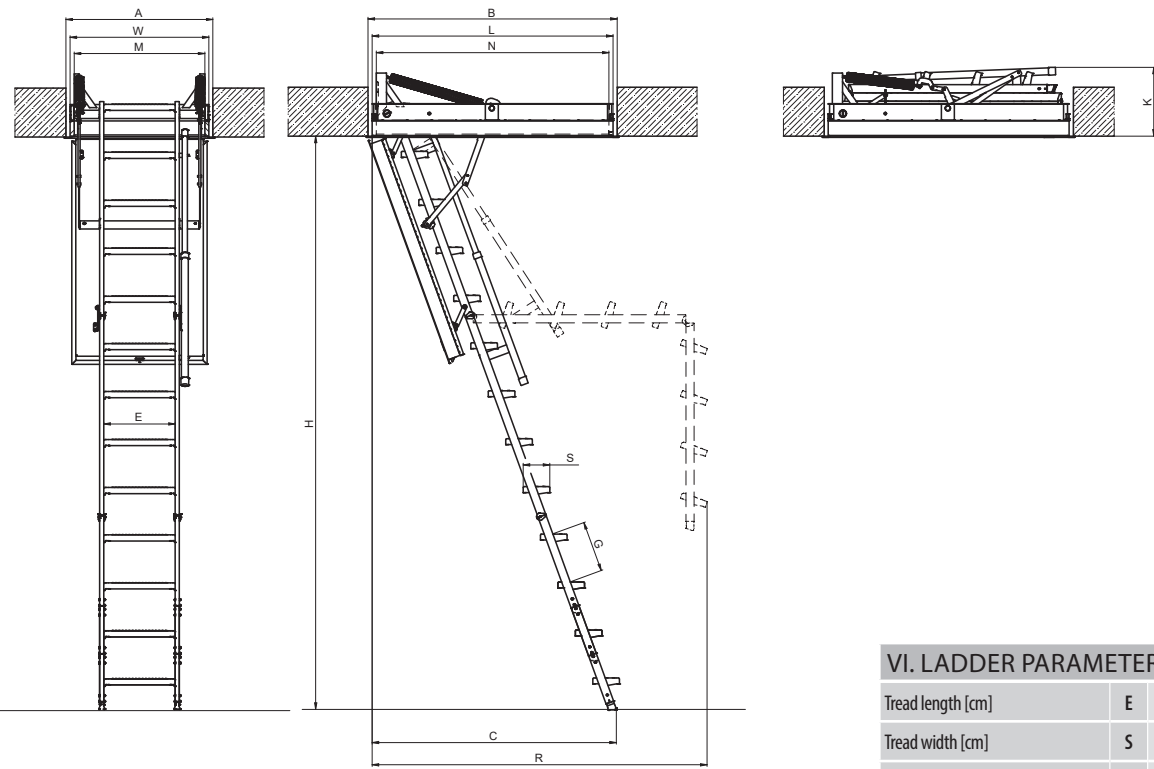
LMF FOLDING METAL SECTION FIRE-RESISTANT LOFT LADDER



LOFT LADDER TYPE	LMF
	 Compliant with EN14975 Classification as per EN 13501-2
I. APPLICATION	
Room height [cm]	280, 305
Installation	- fully assembled product - quick mounting system in the ceiling (installation brackets) - ready for quick installation in the ceiling
II. FEATURES	
Box	metal frame, pinewood box
Hatch	fire-resistant
Hatch colour	white
Lock	+
Unloading mechanism	+
Ladder	metal, powder-coated with hard wearing lacquer in grey RAL 9006
Seal	x3, seal increasing its volume under the influence of high temperature
Treads	metal, anti-slip
Handrail	telescopic with mechanism supporting folding and unfolding the ladder
Finishing trims	metal integrated with a steel framework
Stile ends	retractable
III. TECHNICAL PARAMETERS	
Hatch heat transfer coefficient U*	0.79 W/m²K*
Thermal insulation thickness	8 cm
Hatch thickness	8.2 cm
Maximum loading	200 kg
Fire resistance	El ₂ =120min
IV. OPTIONS	
Accessories	- handrail - box extension - upper hatch

* manufacturer's own data

V. DIAGRAM OF LMF LOFT LADDER



VI. LADDER PARAMETERS

Tread length [cm]	E	35
Tread width [cm]	S	13
Distance between treads [cm]	G	25

VII. PARAMETERS OF LMF LOFT LADDER

Ceiling opening dimensions [cm]	AxB	60x120	70x120	70x130	70x140	86x130	70x130	70x140	86x130
									
Room height [cm]	H	280					305		
Min. room height [cm]	H _{min}	233					256		
Box external dimensions [cm]		59x118	68x118	68x128	68x138	84x128	68x128	68x138	84x128
Box external dimensions with trims [cm]		64.7x123.7	73.7x123.7	73.7x133.7	73.7x143.7	89.7x133.7	73.7x133.7	73.7x143.7	89.7x133.7
Box internal dimensions [cm]		55x114	64x114	64x124	64x134	80x124	64x124	64x134	80x124
Height of folded ladder [cm]	K	34							
Swing space [cm]	R	167					178		
Distance after ladder unfolding [cm]	C	120					130		
Box height [cm]		16							

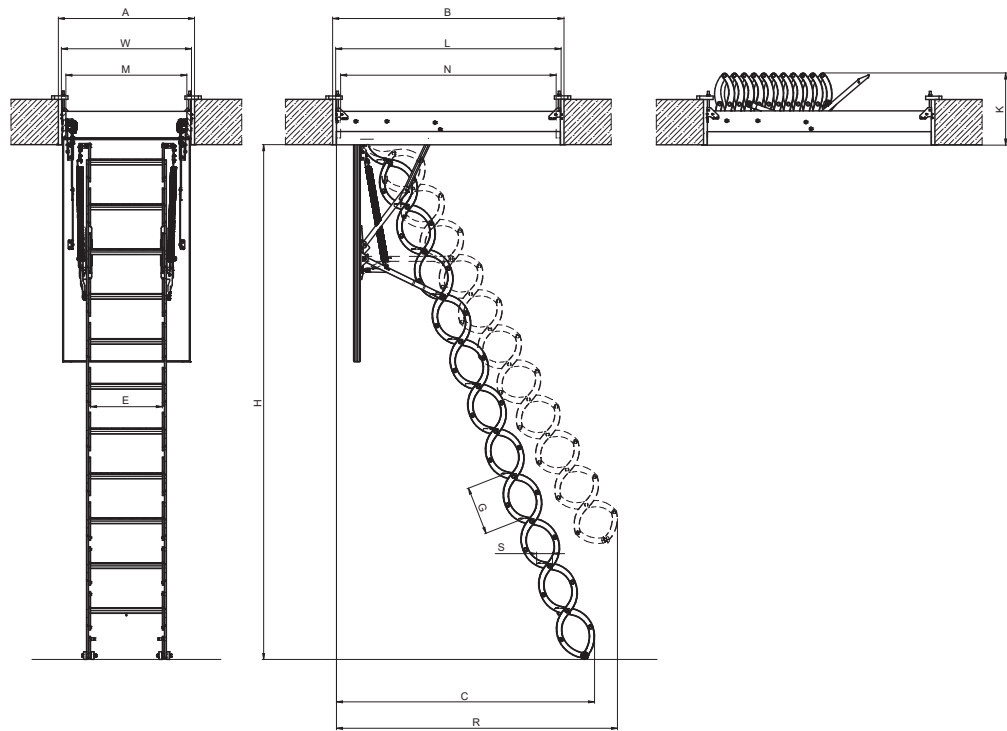
TECHNICAL SPECIFICATION

LST
SCISSOR LOFT LADDER

LOFT LADDER TYPE	LST
	 Compliant with EN14975
I. APPLICATION	
Room height [cm]	250-280
Installation	- fully assembled product - quick mounting system in the ceiling (installation brackets) - ready for quick installation in the ceiling
II. FEATURES	
Box	pinewood
Hatch	thermo-insulating
Hatch colour	white
Lock	—
Unloading mechanism	+
Ladder	metal, length of the ladder adjusted to the room height
Seal	peripheral
Treads	anti-slip, possibility to remove or add tread
Handrail	—
Finishing trims	metal
Stile ends	—
III. TECHNICAL PARAMETERS	
Hatch heat transfer coefficient U*	1.1 W/m²K
Thermal insulation thickness	3 cm
Hatch thickness	3.6 cm
Maximum loading	200 kg
IV. OPTIONS	
Accessories	- handrail - box extension - upper hatch*
Other	- extension of stairs to max. 330 cm by 2 LSS treads

for 4-segment stairs use LXN box extension before upper hatch

V. DIAGRAM OF LST LOFT LADDER



VI. LADDER PARAMETERS

		LOFT LADDER LST		
		51x...	60x...	70x...
Tread length [cm]	E	26	30	38
Tread width [cm]	S	8		
Distance between treads [cm]	G	24-26		
Standard number of treads [unit]		11		
LSS tread		LSS-26	LSS-31	LSS-38

VII. PARAMETERS OF LST LOFT LADDER

		Ladder standard length				
		AxB	51x80	60x90	60x120	70x120
Ceiling opening dimensions [cm]	AxB	51x80	60x90	60x120	70x80	70x120
Room height [cm]	H	250-280				
Box external dimensions [cm]	WxL	51x79.4	59x89.4	59x119.4	69x79.4	69x119.4
Box external dimensions with trims [cm]		56x84.4	64x94.4	64x124.4	74x84.4	74x124.4
Box internal dimensions [cm]	MxN	46x74	54x84	54x114	64x74	64x114
Height of folded ladder [cm]	K	38.2				
Swing space [cm]	R	150				
Distance after ladder unfolding [cm]	C	146-134				
Box height [cm]		18				

Ladder shorter by 1 tread (10 treads)		Standard ladder (11 treads)		Ladder longer by 1 tread* (12 treads)		Ladder longer by 2 tread* (13 treads)	
230	250	250	280	280	300	300	330
SIZES OF LOFT LADDERS AND DIMENSIONS NOT INCLUDED IN THE TABLE ARE THE SAME AS FOR LOFT LADDERS WITH A HEIGHT OF 250 - 280 CM							
140		150		160		170	
135	127	146	134	153	145	163	150

* treads LSS-26, LSS-31, LSS-38.
When ordering treads it is necessary to provide the dimensions of the loft ladder aperture.

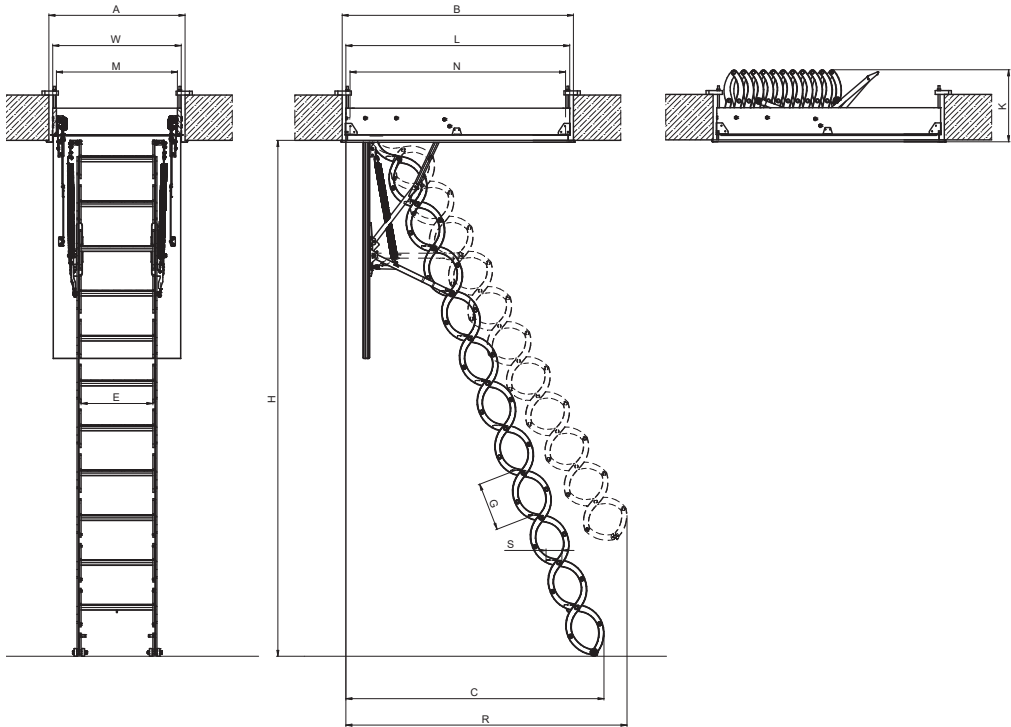
TECHNICAL SPECIFICATION

LSZ
SCISSOR LOFT LADDER

LOFT LADDER TYPE	LSZ
	 Compliant with EN14975
I. APPLICATION	
Room height [cm]	250-280
Installation	- fully assembled product - quick mounting system in the ceiling (installation brackets) - ready for quick installation in the ceiling
II. FEATURES	
Box	metal frame, pinewood box
Hatch	thermo-insulating
Hatch colour	white
Lock	—
Unloading mechanism	—
Ladder	metal, length of the ladder adjusted to the room height
Seal	peripheral
Treads	anti-slip, possibility to remove or add tread
Handrail	—
Finishing trims	metal, integrated with steel framework
Stile ends	—
III. TECHNICAL PARAMETERS	
Stairs heat transfer coefficient U	1.1 W/m²K
Thermal insulation thickness	3 cm
Hatch thickness	3.6 cm
Maximum loading	200 kg
IV. OPTIONS	
Accessories	- handrail - box extension - upper hatch*
Other	- extension of stairs to max. 330 cm by 2 LSS treads

* for 4-segment stairs use LXN box extension before upper hatch

V. DIAGRAM OF LSZ LOFT LADDER



VI. LADDER PARAMETERS

		LOFT LADDER LSZ	
		51x...	70x...
Tread length [cm]	E	26	38
Tread width [cm]	S	8	
Distance between treads [cm]	G	24-26	
Standard number of treads [unit]		11	
LSS tread		LSS-26	LSS-38

VII. PARAMETERS OF LSZ LOFT LADDER

		Ladder standard length		
Ceiling opening dimensions [cm]	AxB	51x80	70x80	70x120
Room height [cm]	H	250-280		
Box external dimensions [cm]	WxL	51x79.4	69x79.4	69x119.4
Box external dimensions with trims [cm]		54.6x82.6	72.6x82.6	72.6x122.6
Box internal dimensions [cm]	MxN	45.7x73.7	63.7x73.7	63.7x113.7
Height of folded ladder [cm]	K	38.2		
Swing space [cm]	R	150		
Distance after ladder unfolding [cm]	C	146-134		
Box height [cm]		14		

Ladder shorter by 1 tread (10 treads)		Standard ladder (11 treads)		Ladder longer by 1 tread* (12 treads)		Ladder longer by 2 tread* (13 treads)	
230	250	250	280	280	300	300	330
Sizes of loft ladders and dimensions not included in the table are the same as for loft ladders with a height of 250 - 280 cm							
140		150		160		170	
135	127	146	134	153	145	163	150

* treads LSS-26, LSS-31, LSS-38.
When ordering treads it is necessary to provide the dimensions of the loft ladder aperture.

TECHNICAL SPECIFICATION

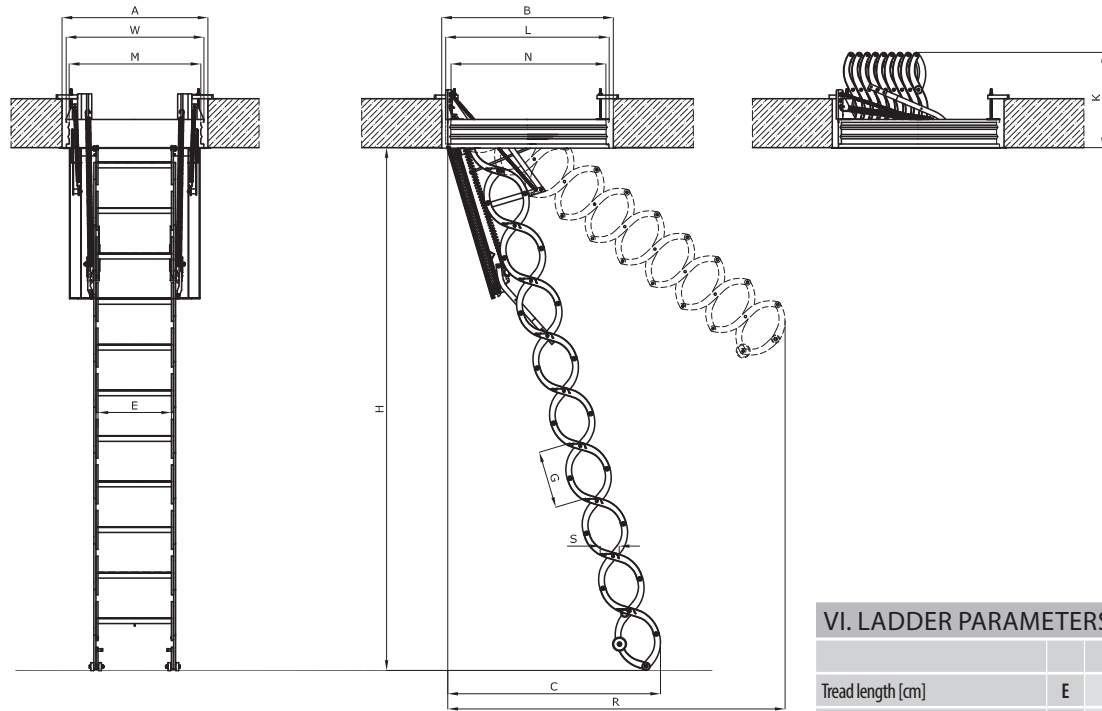
LSF
SCHODY STRYCHOWE OGNIOODPORNE NOŻYCOWE



LOFT LADDER TYPE	LSF
	 Compliant with EN14975 Classification as per EN 13501-2
I. APPLICATION	
Room height [cm]	270 -300
Installation	- fully assembled product - quick mounting system in the ceiling (installation brackets) - ready for quick installation in the ceiling
II. FEATURES	
Box	metal
Hatch	fire-resistant
Hatch colour	white
Lock	+
Unloading mechanism	–
Ladder	metal, length of the ladder adjusted to the room height
Seal	seal increasing its volume under the influence of high temperature
Treads	anti-slip, possibility to remove or add tread
Handrail	–
Finishing trims	metal, integrated with steel framework
Stile ends	–
III. TECHNICAL PARAMETERS	
Hatch heat transfer coefficient U*	1.8 W/m²K*
Thermal insulation thickness	3 cm
Hatch thickness	5.4 cm
Maximum loading	200 kg
Fire resistance	El ₂ =60min
IV. OPTIONS	
Accessories	- handrail
Other	- extension of stairs to max. 330 cm by 2 LSS treads

* manufacturer's own data

V. DIAGRAM OF LSF LOFT LADDER



VI. LADDER PARAMETERS				
		50x...	60x...	70x...
Tread length [cm]	E	30	32	40
Tread width [cm]	S	8		
Distance between treads [cm]	G	25-30		
Standard number of treads [unit]	Z	10		
LSS tread		LSS-30	LSS-32	LSS-40

VII. PARAMETERS OF LSF LOFT LADDER

Ceiling opening dimensions [cm]	AxB	50x70	60x90	60x120	70x80	70x90	70x110	70x120	Ladder shorter by 1 tread (9 treads)		Standard ladder (10 treads)		Ladder longer by 1 tread* (11 treads)	
														
Room height [cm]	H	270-300							240	270	270	300	300	320
Box external dimensions [cm]		48x68.5	58x 88.5	58x 118.5	68x78.5	68x88.5	68x108.5	68x118.5	Sizes of loft ladders and dimensions not included in the table are the same as for loft ladders with a height of 250 - 280 cm					
Box external dimensions with trims [cm]		54.8x75	64.8x95	64.8x125	74.8x85	74.8x95	74.8x115	74.8x125						
Box internal dimensions [cm]		44.8x64.8	54.8x84.8	54.8 x 114.8	64.8x74.8	64.8x84.8	64.8x104.8	64.8x114.8						
Height of folded ladder [cm]	K	46												
Swing space [cm]	R	170-180							165	165	170	180	185	210
Distance after ladder unfolding [cm]	C	165-130							100	140	165	130	120	140
Box height [cm]		14							* treads LSS-26, LSS-31, LSS-38. When ordering treads it is necessary to provide the dimensions of the loft ladder aperture					

* treads LSS-26, LSS-31, LSS-38.
When ordering treads it is necessary to provide the dimensions of the loft ladder aperture.