

TECHNICAL SPECIFICATION

LOFT LADDER LWL Extra

I. APPLICATION

For increased safety and comfort, new design of the **LWL Extra loft ladder** has been equipped with an **additional handrail** fixed to the middle section and a **special unloading mechanism of a new generation** to support unfolding and folding up the ladder. In order to ensure even better thermal insulation performance, the loft ladder comes with a **5.6cm thick insulated hatch** and a **double seal system** to secure excellent tightness.

II. STRUCTURE

No.	Element	Description
1	Hatch	Insulated hatch of sandwich type with a thickness of 5.6 cm . Thermal insulation thickness: 5 cm . Finished with HDF board white on both sides. Equipped with a lock.
2	Box	Made of pinewood. Height: 14 cm . Equipped with 2 seals (1 x peripheral, 1 x adhering).
3	Ladder	Varnished, made of pinewood. Width: 34cm for a size of 60x..., 38cm for other sizes. Distance between treads 25 cm .
4	Treads	Varnished, made of pinewood and equipped with anti-slip profile. Tread width: 8 cm . Tread length: 30 cm for a size of 60x..., 34 cm for other sizes.
5	Standard accessories	2 x Handrail. Stile ends Unloading mechanism of a new generation. Control rod for opening a hatch.. Special handle for easy folding and unfolding ladder

III. SIZES

Size	Room height	Number of sections
60 x 120 cm	280 cm	3
70 x 120 cm		
70 x 130 cm		
70 x 140 cm		
60 x 130 cm	305 cm	3
70 x 130 cm		
70 x 140 cm		

IV. TECHNICAL PARAMETERS

Description	Value	Standard
Maximum loading	160 kg	EN 14975+A1:2010
Loft ladder heat transfer coefficient	U = 0.74 W/m ² K *	PN-EN 10077-2
Tightness	4 class **	EN 12207

* manufacturer internal tests



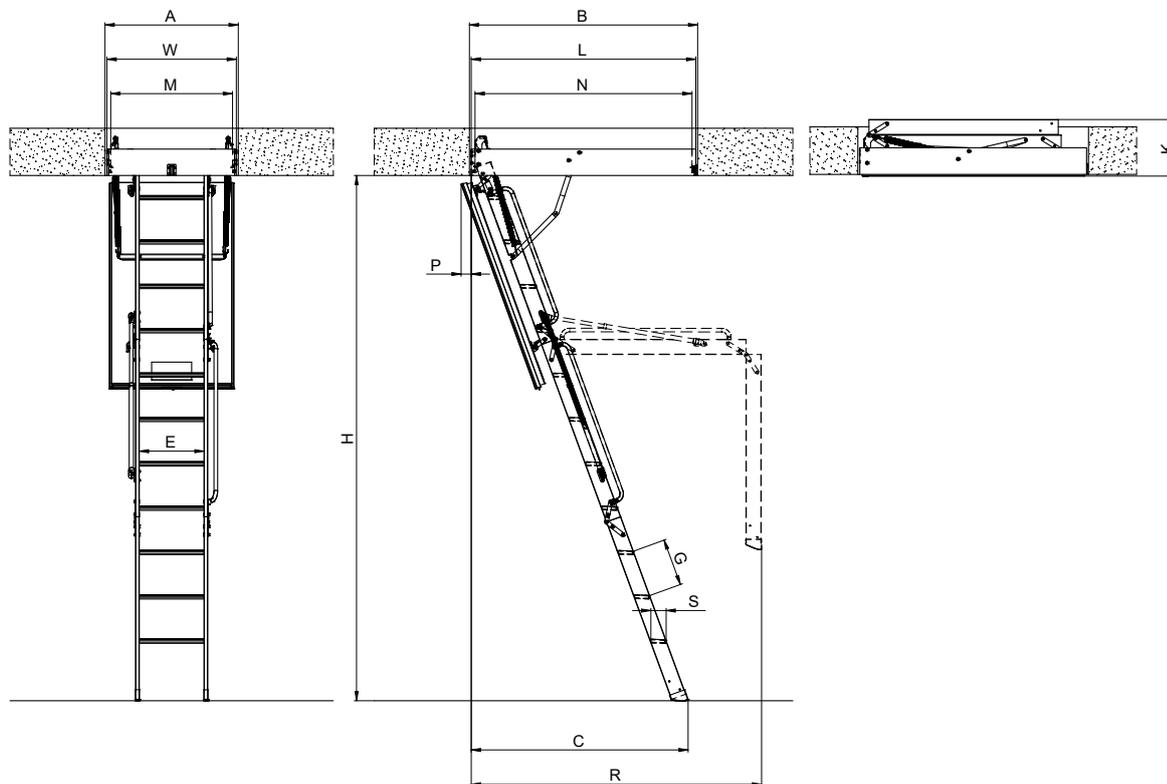
Accessories compatibility table:



VI. ASSEMBLY INFORMATION

The LWL Extra loft ladder is delivered to the customer fully assembled. New design of the product (hatch fitted by means of special fasteners, the so-called "clicks") allows for easy and quick installation without the need for entering the attic. Installation of the loft ladder must be carried out in accordance with the included fitting instructions. The loft ladder hatch after opening moves away by 6 cm from the back edge of the box.

VII. DETAILED DIMENSIONS



LWL EXTRA

Ceiling opening dimensions [cm]	AxB	60x120	70x120	70x130	70x140	60x130	70x130	70x140
Room height [cm]	H		280				305	
Minimum room height* [cm]	H _{min.}		260				280	
Height to which one should reach in order to unfold the ladder of the stairs [cm] 	x		215				225	
Outside box dimensions [cm]	W x L	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
Inside box dimensions [cm]	M x N	54 x 114	64 x 114	64 x 124	64 x 134	54 x 124	64 x 124	64 x 134
Folded loft ladder height [cm]	K		30					
Swing space [cm]	R		156				175	
Distance after ladder unfolding [cm]	C		120				135	
Box height [cm]			14					
Hatch retrace distance after opening [cm]	P		6					

LADDER PARAMETERS

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

* For rooms lower than the standard maximum height "H", it is required to match the ladder length in accordance with the fitting instructions.



The LWL Extra ladders are as standard equipped with ladder unloading mechanism, so they can be fully operated with the opening rod.

