

TECHNICAL SPECIFICATION

LOFT LADDER LWZ Plus

I. APPLICATION

Folding section loft ladder designed for use in residential buildings and to be built in the ceiling opening to provide access to the attic spaces.

The LWZ Plus is a new generation of insulated loft ladder equipped with quick installation system. This allows for quick installation and levelling of the loft ladder in the ceiling as well as immediate finish of the gap between the ladder box and the opening in the ceiling.

II. STRUCTURE

No.	Element	Description
1	Hatch	Insulated hatch of sandwich type with a thickness of 3.6 cm. Thermal insulation thickness: 3 cm. Finished with HDF board white on both sides. Equipped with a lock.
2	Box	Pinewood box integrated with a steel frame and metal architrave lining. Height: 14cm. Equipped with a peripheral seal.
3	Ladder	Made of pinewood. Ladder width: 38cm. Stringer height: 8 cm. Distance between treads: 25 cm.
4	Treads	Made of pinewood and equipped with anti-slip profile. Tread width: 8 cm. Tread thickness: 2 cm. Tread length: 34cm.
5	Standard accessories	Quick installation system. Handrail. Stile ends. Control rod for opening a hatch.

III. SIZES

No.	Size	Room height	Number of sections
1	60 x 120 cm	280 cm	3
2	70 x 120 cm		
3	70 x 140 cm		

IV. TECHNICAL PARAMETERS

Description	Value	Standard
Maximum loading	160 kg	EN 14975+A1:2010
Hatch heat transfer coefficient	$U = 1.1 \text{ W/m}^2\text{K}$	PN-EN ISO 10211:2008 i PN-EN ISO 6946:2008



Accessories compatibility table:



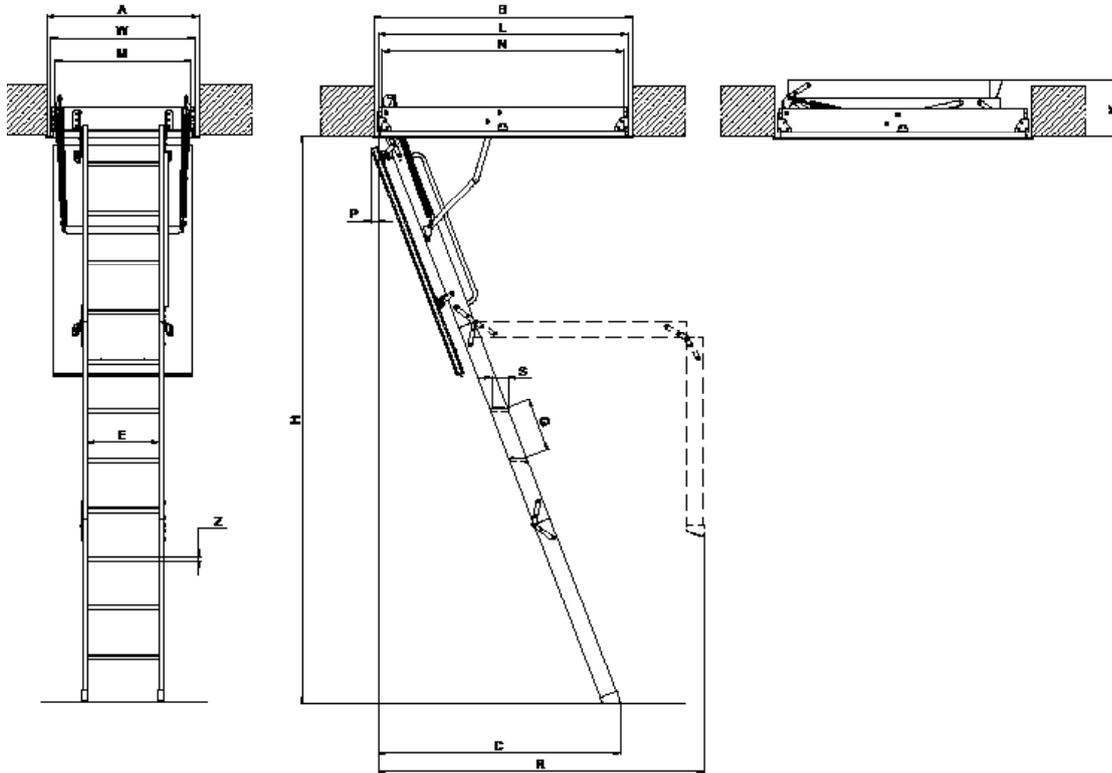
VI. TECHNICAL SPECIFICATION

The LWZ Plus loft ladder is delivered to the customer fully assembled. The product is mounted by means of the included installation brackets (maximum ceiling thickness 24cm).

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 4cm from the back edge of the box.

VII.DETAILED DIMENSIONS



LWZ Plus

Ceiling opening dimensions [cm]	AxB	60x120	70x120	70x140
Room height [cm]	H	280		
Minimum room height* [cm]	H min.	232		
Height to be reached to operate the ladder [cm]		215		
Outside box dimensions [cm]	WxL	58.8 x 118.8	68.8 x 118.8	68.8 x 138.8
Outside box dimensions with trims [cm]	JxD	62.9 x 122.9	72.9x122.9	72.9x142.9
Inside box dimensions [cm]	MxN	54 x 114	64 x 114	64 x 134
Folded loft ladder height [cm]	K	27		
Swing space [cm]	R	156		
Distance after ladder unfolding [cm]	C	120		
Hatch retrace distance after opening [cm]	P	4		
Box height [cm]		14		
Number of sections		3		

Ladder parameters

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

* the ladder length for rooms lower than the maximum height "H" must be adjusted in accordance with the fitting instructions



The loft ladder can be equipped with the LXM ladder unloading mechanism, therefore it can be fully operated by means of the control rod.

