

TECHNICAL SPECIFICATION

LOFT LADDER LWT PH

I. APPLICATION

The LWT Passive House loft ladder is a technically complex design specifically developed for the demands such of such energy-efficient construction standards. It is installed with a kit which connects the ladder to the ceiling to guarantee a perfect seal and insulation without thermal bridgets. It comes with Passive House certification.

II. STRUCTURE

No.	Element	Description
1	Hatch	Insulated hatch of sandwich type with a thickness of 8 cm. Thermal insulation thickness: 7.4 cm. Finished with HDF board white on both sides. Equipped with a lock.
2	Box	Made of pinewood. Height: 22 cm. Equipped with 3 seals (1 x peripheral. 2 x adhering).
3	Ladder	Made of pinewood. Ladder width: 38 cm. 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: 34 cm.
5	Standard accessories	Handrail. Stile ends. Control rod for opening a hatch. Insulation set.

III. SIZES

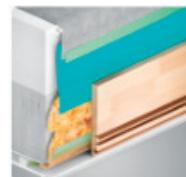
Size	Room height	Number of sections
62 x 122 cm	280 cm	3
72 x 122 cm		
72 x 132 cm		
72 x 142 cm	305 cm	
62 x 132 cm		
72 x 132 cm		
72 x 142 cm		

IV. TECHNICAL PARAMETERS

Description	Value	Standard
Maximum loading	160 kg	EN 14975+A1:2010
Loft Ladder heat transfer coefficient	$U = 0.51 \text{ W/m}^2\text{K}$	EN ISO 12567-1
Tightness	4 th class	EN 12207

4th CLASS
EN12207

U=0.51
W/m²K



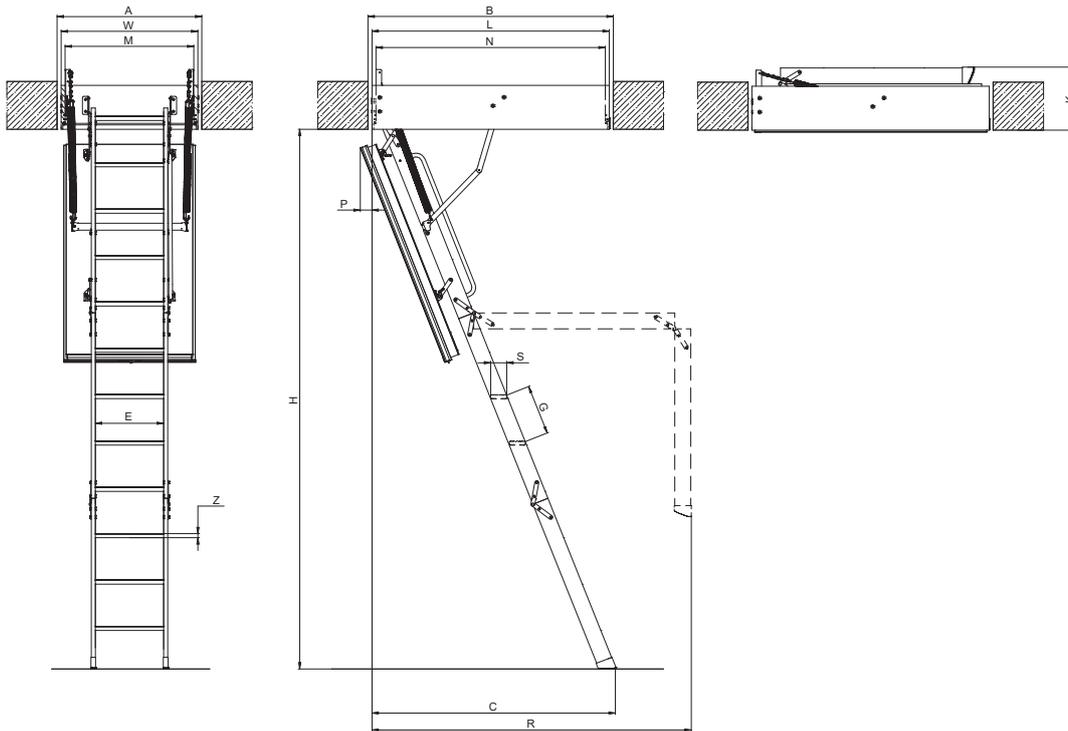
V. COMPATIBLE ACCESSORIES

Name	Comments
LXB-U balustrade	Universal balustrade to fit all sizes of the loft ladder.
LXH handrail	LXH 75/13. Installation on the left side of the upper section.
LXK installation brackets	Installation of the LWT loft ladder with the use of LXK brackets in the ceiling with a maximum thickness of 43cm.
LXL-P, LXL-W wooden architrave linings	Standard size of the lining: 70x140cm, 86x144 cm. For other sizes of the loft ladder the standard size of the lining should be cut according to the fitting instructions.
LXL-PVC architrave linings	Standard sizes of the lining: 60x120cm, 70x120cm, 86x140cm, 86x144 cm. For other sizes of the loft ladder the standard size of the lining should be cut according to the fitting instructions.
LXN box extension	-
LXW upper hatch	The maximum ceiling thickness in which the upper hatch can be installed is 39cm or once the LXN box extension is fitted – 49cm.

VI. TECHNICAL SPECIFICATION

The LWT 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 6.5cm from the back edge of the box.

VII.DETAILED DIMENSIONS



LWT

Ceiling opening dimensions [cm]	AxB	62x122	72x122	72x132	72x142	62x132	72x132	72x142
Room height [cm]	H	280				305		
Minimum room height* [cm]	H min.	234				255		
Outside box 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
Inside box dimensions [cm]	MxN	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	36						
Swing space [cm]	R	160				175		
Distance after ladder unfolding [cm]	C	127				135		
Hatch retrace distance after opening [cm]	P	4.5						
Box height [cm]		22						

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