

TECHNICAL SPECIFICATION

LOFT LADDER LTK Energy

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 LTK Energy is a new generation of insulated loft ladder featuring improved design, therefore it ensures excellent thermal insulation performance and high comfort of use.

II. STRUCTURE

No.	Element	Description
1	Hatch	Insulated hatch of sandwich type with a thickness of 6.6 cm. Thermal insulation thickness: 6 cm. Finished with HDF board white on both sides. Equipped with a lock.
2	Box	Made of pinewood. Height: 18 cm. Equipped with 2 seals (peripheral and adhering seal).
3	Ladder	Varnished, made of pinewood Width: 34cm for a size of 55x... 38cm for other sizes. Stringer height: 8 cm. Distance between treads: 25 cm.
4	Treads	Varnished, made of pinewood and equipped with anti-slip profile. Tread width: 8 cm. Tread thickness: 2 cm. Tread length: 30 cm for a size of 55x... 34 cm for other sizes.
5	Standard accessories	Handrail. Stile ends (only for 3-section loft ladder). Control rod for opening a hatch.



III. SIZES

No.	Size	Room height	Number of sections
1	55 x 100 cm	280 cm	4
2	60 x 100 cm		
3	70 x 100 cm		
4	60 x 120 cm		
5	70 x 120 cm		
6	70 x 130 cm	305 cm	3
7	70 x 140 cm		
8	80 x 120 cm		
9	60 x 130 cm		
10	70 x 130 cm		
11	70 x 140 cm		

IV. TECHNICAL PARAMETERS

Description	Value	Standard
Maximum loading	160 kg	EN 14975+A1:2010
Heat transfer coefficient for loft ladder	$U = 0.68 \text{ W/m}^2\text{K}$	EN ISO 12567-1
Tightness	4 th class	EN 12207



Accessories compatibility table:



VI. TECHNICAL SPECIFICATION

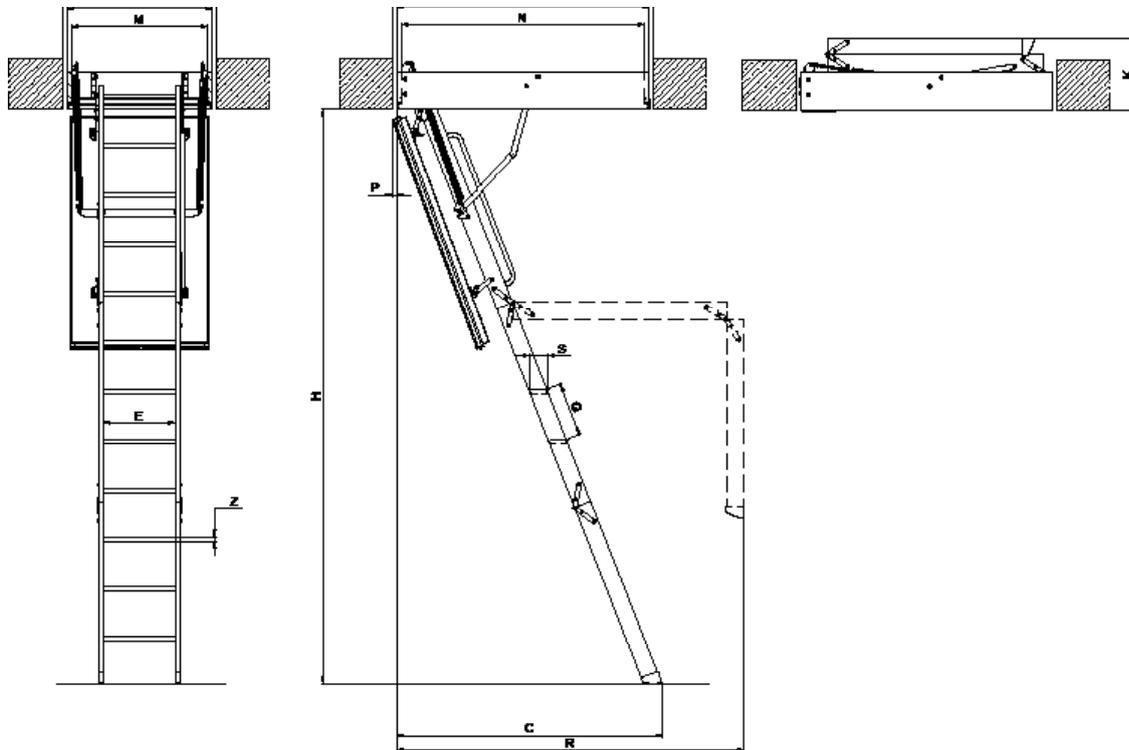
The LTK Energy loft ladder is delivered to the customer fully assembled.

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 3cm from the back edge of the box.

VII.DETAILED DIMENSIONS



LTK Energy

Ceiling opening dimensions [cm]	A x B	55x100	60x100	70x100	60x120	70x120	70x130	70x140	80x120	60x130	70x130	70x140	
Room height [cm]	H	280										305	
Minimum room height* [cm]	H min.	253			235				243				
Height to be reached to operate the ladder [cm]	x	230			210				230				
Outside box dimensions [cm]	WxL	53x98.4	58x98.4	68x98.4	58 x 118.4	68 x 118.4	68 x 128.4	68 x 138.4	78x118.4	58 x 128.4	68 x 128.4	68 x 138.4	
Inside box dimensions [cm]	MxN	49x94	54x94	64x94	54 x 114	64 x 114	64 x 124	64 x 134	74x114	54 x 124	64 x 124	64 x 134	
Folded loft ladder height [cm]	K	42				35							
Swing space [cm]	R	136			164				178				
Distance after ladder unfolding [cm]	C	123			129				139				
Hatch retrace distance after opening [cm]	P				3								
Box height [cm]					18								
Number of sections		4							3				

LADDER PARAMETERS

Tread length [cm]	E	30					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.

