Roof hood

LHR

Description

LHR is a rectangular roof hood with ribs that is used for both outdoor air and extract air.

When used for outdoor air intake it is recommended not to let the air velocity exceed 2 m/s due to risk of rain or snow pull in.

The hood is supplied as standard in galvanised form, but is also available painted.

LHR is supplied as standard with RJFP joint for guiding.

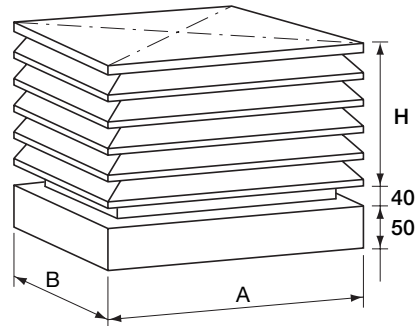Standard colours black RAL 9005 and grey RAL 7024.

When connecting to the roof through connection TGR, the special transition piece TGR-LHR must be used (see last page). LHR-2 fits directly on TGR according to table.
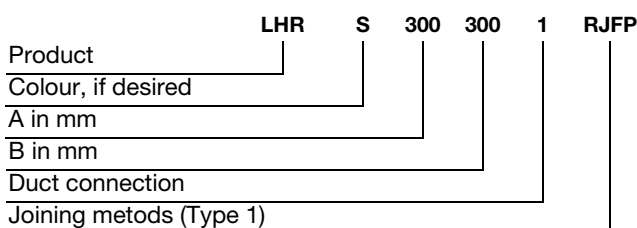
Dimensions

LHR-1
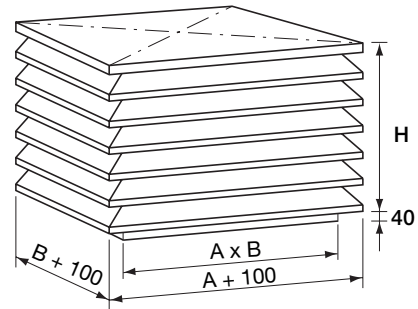
LHR-2

A × B = Duct dimensions

A [mm]	B [mm]	H [mm]	Number of slats	LHR-1 Free area m²	m [kg]	Roof through connection LHR-1 50 [mm]	LHR-1 100 [mm]	LHR-2
300	300	330	5	0,173	5,40	4	5	-
400	400	390	6	0,306	8,70	5	6	3
500	500	450	7	0,475	12,6	6	7	4
600	600	450	7	0,583	15,1	7	8	5
700	700	510	8	0,806	20,2	8	9	6
800	800	570	9	1,066	25,9	9	10	7
900	900	630	10	1,361	32,4	10	11	8
1000	1000	690	11	1,692	47,4	11	12	9
1100	1100	750	12	2,059	56,9	12	13	10
1200	1200	750	12	2,257	62,1	13	14	11
1300	1300	810	13	2,678	72,1	14	15	12
1400	1400	870	14	3,136	84,5	15	16	13
1500	1500	930	15	3,629	97,0	16	–	14

Calculation of the free area for LHR types 1 and 2

LHR-1: $F_A = (A + B - 0{,}12) \times 0{,}09 \times (n - 1)$ (m²)
LHR-2: $F_A = (A + B - 0{,}32) \times 0{,}09 \times (n - 1)$ (m²)
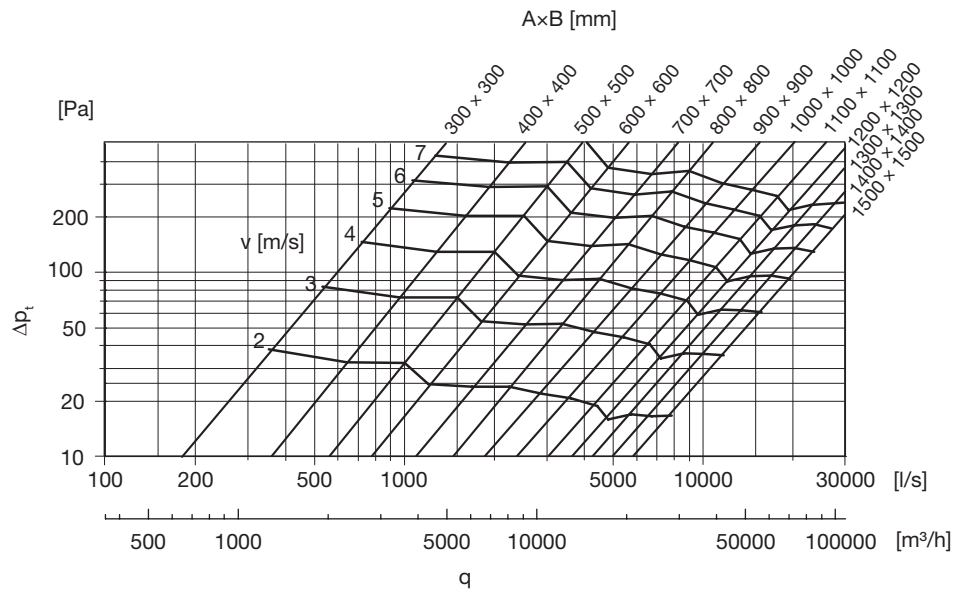
F_A = free area in m²
A,B = duct dimension in **meter**
n = number of slats

NOTE: To avoid water being sucked in by air intake, should the air velocity does not exceed 2 m / s between the slats.
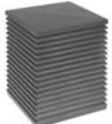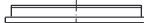
Ordering example

```
        LHR    S    300    300    1    RJFP
Product
Colour, if desired
A in mm
B in mm
Duct connection
Joining metods (Type 1)
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Roof hood

LHR

Technical data

Lindab reserves the right to make changes without prior notice
2021-05-18
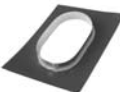
Roof hood

LHR

Roof hood	LHR				
Roof transition connection piece, upper		TGR-LHR		Sits around the roof transition	
Roof transition	TGFR	TGR	UG	Roof weather protection, inner
			MG / MGL	Vapour membrane
			SBGR	Roof transition fastener
Roof transition connection piece, lower		TGR-NA			
Ducting	LKR	SR			

This diagram shows pricipally all possible combinations of how the products can be joined together. Normally only one alternative is chosen and sometimes some options are omitted.

For some combinations the needed size of a product isn't presented in the catalogue. In these cases the size needed most often can be produced and delivered to order.