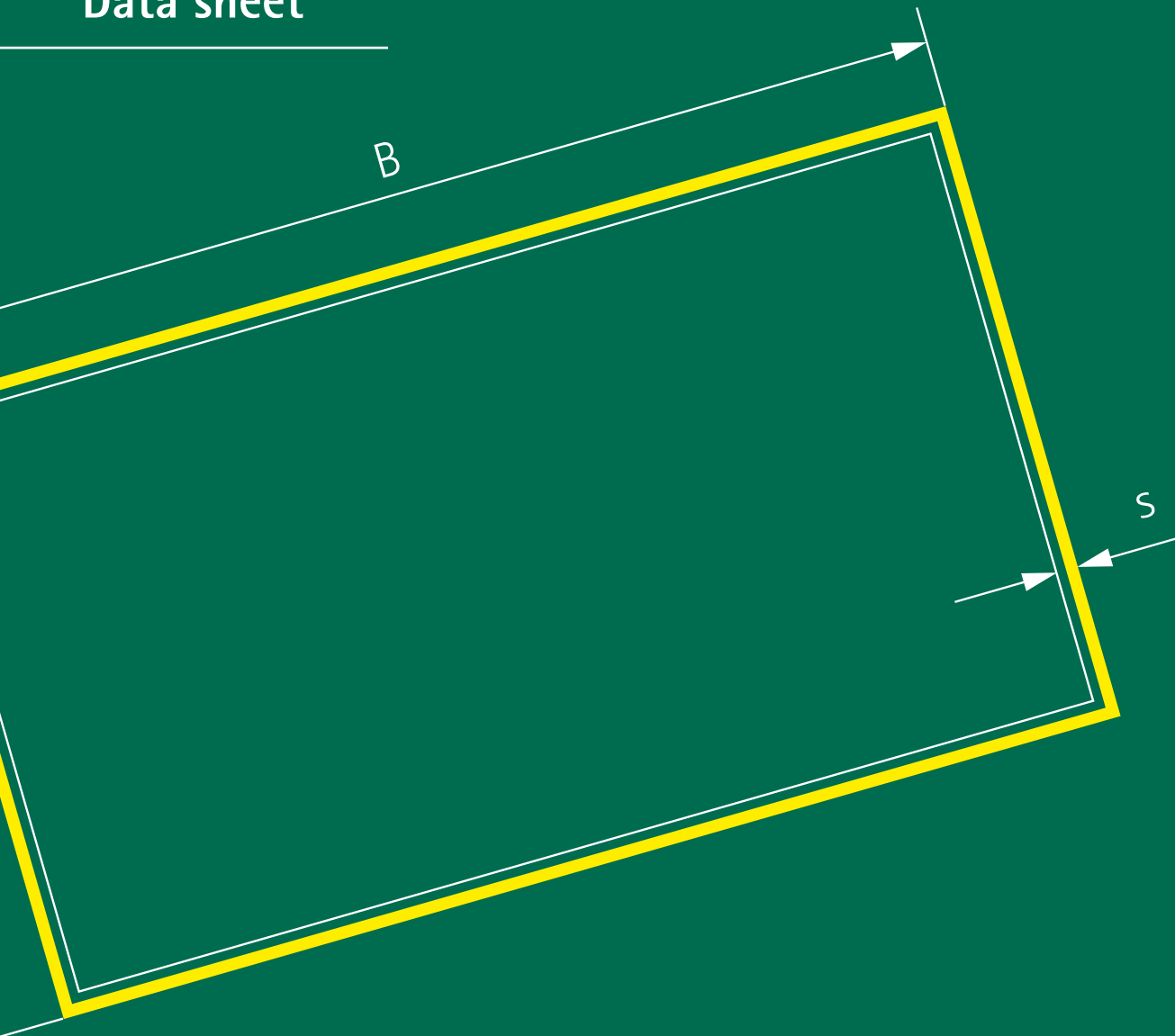


Data sheet



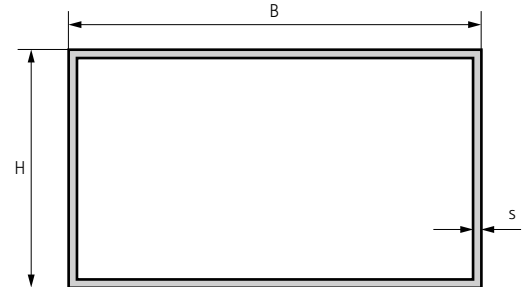
## Air Duct Dimensions and Weights

- Non-Insulated
- Insulated

### Air Duct: Non-Insulated

Declaration of weight in kg/m

B (mm)	s = 0.75 mm				s = 0.88 mm				
	H (mm)								
	200	224	250	280	315	355	400	450	500
200	6.1	6.5	6.9	8.6	9.2	10.0	10.8	11.7	12.6
224	-	6.9	7.3	9.1	9.7	10.4	11.2	12.1	13.0
250	-	-	7.7	9.5	10.1	10.9	11.7	12.6	13.5
280	-	-	-	10.1	10.7	11.4	12.2	13.1	14.0
315	-	-	-	-	11.3	12.0	12.8	13.7	14.6
355	-	-	-	-	-	12.8	13.6	14.5	15.4
400	-	-	-	-	-	-	14.4	15.3	16.2
450	-	-	-	-	-	-	-	16.2	17.1
500	-	-	-	-	-	-	-	-	18.0



Values for the calculation:  
 Density air duct: Steel plate  $\rho_p = 7,850 \text{ kg/m}^3$   
 Weights for flanges and duct bracing were estimated.

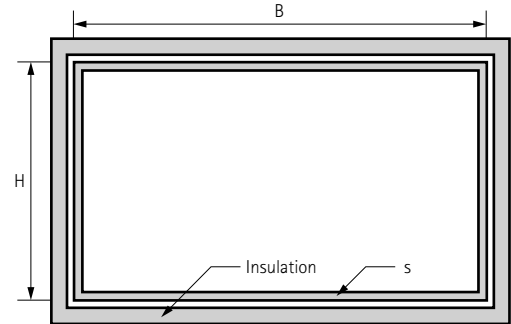
B (mm)	s = 1.00 mm					s = 1.13 mm						s = 1.5 mm				
	H (mm)															
	560	630	710	800	900	1,000	1,120	1,250	1,400	1,600	1,800	2,000	2,240	2,500	2,800	3,150
200	15.5	16.9	18.6	20.4	22.5	24.5	30.4	33.4	36.9	41.5	46.1	50.7	62.3	68.9	76.5	85.5
224	16.0	17.4	19.1	20.9	22.9	25.0	31.0	34.0	37.5	42.1	46.7	51.3	62.9	69.5	77.1	86.1
250	16.5	18.0	19.6	21.4	23.5	25.5	31.6	34.6	38.1	42.7	47.3	51.9	63.5	70.2	77.8	86.7
280	17.1	18.6	20.2	22.0	24.1	26.1	32.3	35.3	38.7	43.4	48.0	52.6	64.3	70.9	78.6	87.5
315	17.9	19.3	20.9	22.8	24.8	26.8	33.1	36.1	39.6	44.2	48.8	53.4	65.2	71.8	79.5	88.4
355	18.7	20.1	21.7	23.6	25.6	27.7	34.0	37.0	40.5	45.1	49.7	54.3	66.2	72.8	80.5	89.4
400	19.6	21.0	22.7	24.5	26.5	28.6	35.1	38.1	41.5	46.1	50.7	55.4	67.4	74.0	81.6	90.6
450	20.6	22.0	23.7	25.5	27.6	29.6	36.2	39.2	42.7	47.3	51.9	56.5	68.6	75.3	82.9	91.8
500	21.6	23.1	24.7	26.5	28.6	30.6	37.4	40.4	43.8	48.4	53.0	57.7	69.9	76.5	84.2	93.1
560	22.9	24.3	25.9	27.8	29.8	31.8	38.7	41.7	45.2	49.8	54.4	59.0	71.4	78.1	85.7	94.7
630	-	25.7	27.3	29.2	31.2	33.3	40.4	43.4	46.8	51.4	56.0	60.7	73.2	79.9	87.5	96.4
710	-	-	29.0	30.8	32.9	34.9	42.2	45.2	48.7	53.3	57.9	62.5	75.3	81.9	89.5	98.5
800	-	-	-	32.7	34.7	36.7	44.3	47.3	50.7	55.4	60.0	64.6	77.6	84.2	91.8	100.8
900	-	-	-	-	36.7	38.8	46.6	49.6	53.0	57.7	62.3	67.3	80.1	86.7	94.4	103.3
1,000	-	-	-	-	-	40.8	48.9	51.9	55.4	60.0	64.6	69.2	82.7	89.3	96.9	105.9
1,120	-	-	-	-	-	-	51.7	54.7	58.1	62.7	67.3	72.0	85.7	92.4	100.0	108.9
1,250	-	-	-	-	-	-	-	57.7	61.1	65.7	70.3	75.0	89.0	95.7	103.3	112.3
1,400	-	-	-	-	-	-	-	-	64.6	69.2	73.8	78.4	92.9	99.5	107.2	116.1
1,600	-	-	-	-	-	-	-	-	-	73.8	78.4	83.0	98.0	104.6	112.3	121.2
1,800	-	-	-	-	-	-	-	-	-	-	83.0	87.6	103.1	109.7	117.4	126.3
2,000	-	-	-	-	-	-	-	-	-	-	-	92.3	108.2	114.8	122.5	131.4
2,240	-	-	-	-	-	-	-	-	-	-	-	-	114.3	120.9	128.6	137.5
2,500	-	-	-	-	-	-	-	-	-	-	-	-	-	127.6	135.2	144.1
2,800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	142.9	151.8
3,150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	160.7

This datasheet is to be used as a tool for selecting the correct fixing materials only. Although Walraven does everything possible to ensure the accuracy of all data within this sheet, we cannot be held responsible for information supplied by third parties, i.e. standardisation institutes and pipe manufacturers.

## Air Duct: Insulated

Declaration of weight in kg/m

B (mm)	s = 0.75 mm			s = 0.88 mm					
	H (mm)								
	200	224	250	280	315	355	400	450	500
200	9.2	9.9	10.3	12.2	13.1	14.0	15.1	16.3	17.6
224	-	10.4	10.8	12.8	13.6	14.6	15.7	16.9	18.1
250	-	-	11.4	13.4	14.3	15.3	16.3	17.6	18.8
280	-	-	-	14.2	15.0	16.0	17.1	18.3	19.5
315	-	-	-	-	15.9	16.8	17.9	19.1	20.4
355	-	-	-	-	-	17.8	18.9	20.1	21.3
400	-	-	-	-	-	-	20.0	21.2	22.4
450	-	-	-	-	-	-	-	22.4	23.7
500	-	-	-	-	-	-	-	-	24.9



Values for the calculation:  
 Density air duct: Steel plate  $\rho_p = 7,850 \text{ kg/m}^3$   
 Density insulation: Mineral wool = approx.  $80 \text{ kg/m}^3$   
 Weights for flanges and duct bracing were estimated.

B (mm)	s = 1.0 mm					s = 1.13 mm						s = 1.25 mm				
	H (mm)															
	560	630	710	800	900	1,000	1,120	1,250	1,400	1,600	1,800	2,000	2,240	2,500	2,800	3,150
200	20.9	22.8	24.9	27.3	30.0	32.7	39.4	43.2	47.7	53.5	59.4	65.3	78.4	86.7	96.2	107.4
224	21.5	23.4	25.6	28.0	30.6	33.3	40.1	43.9	48.4	54.3	60.1	66.0	79.1	87.4	97.0	108.2
250	22.2	24.1	26.2	28.7	31.3	34.0	40.9	44.7	49.1	55.0	60.9	66.8	80.0	88.3	97.8	109.0
280	23.0	24.9	27.1	29.5	32.1	34.8	41.8	45.6	50.0	55.9	61.8	67.7	80.9	89.2	98.8	110.0
315	24.0	25.8	28.0	30.4	33.1	35.8	42.8	46.6	51.0	56.9	62.8	68.7	82.0	90.3	99.9	111.1
355	25.0	26.9	29.1	31.4	34.2	36.8	44.0	47.8	52.2	58.1	64.0	69.9	83.3	91.6	101.2	112.4
400	26.2	28.1	30.3	32.7	35.4	38.0	45.3	49.1	53.5	59.4	65.3	71.2	84.8	93.1	102.6	113.8
450	27.6	29.5	31.6	34.0	36.7	39.4	46.8	50.6	55.0	60.9	66.8	72.7	86.4	94.7	104.2	115.4
500	28.9	30.8	33.0	35.4	38.0	40.7	48.2	52.1	56.5	62.4	68.3	74.2	88.0	96.2	105.8	117.0
560	30.5	32.4	34.6	37.0	39.7	42.3	50.0	53.8	58.3	64.2	70.0	75.9	89.9	98.2	107.7	118.9
630	-	34.3	36.4	38.9	41.5	44.2	52.1	55.9	60.3	66.2	72.1	78.0	92.1	100.4	110.0	121.1
710	-	-	38.6	41.0	43.7	46.4	54.4	58.3	62.7	68.6	74.5	80.4	94.7	103.0	112.5	123.7
800	-	-	-	43.4	46.1	48.8	57.1	60.9	65.3	71.2	77.1	83.0	97.5	105.8	115.4	126.6
900	-	-	-	-	48.8	51.5	60.0	63.9	68.3	74.2	80.1	86.0	100.7	109.0	118.6	129.8
1,000	-	-	-	-	-	54.1	63.0	66.8	71.2	77.1	83.0	88.9	103.9	112.2	121.8	132.9
1,120	-	-	-	-	-	-	66.5	70.3	74.8	80.7	86.5	92.4	107.7	116.0	125.6	136.8
1,250	-	-	-	-	-	-	-	74.2	78.6	84.5	90.4	96.3	111.9	120.2	129.8	140.9
1,400	-	-	-	-	-	-	-	-	83.0	88.9	94.8	100.7	116.7	125.0	134.5	145.7
1,600	-	-	-	-	-	-	-	-	-	94.8	100.7	106.6	123.1	131.4	140.9	152.1
1,800	-	-	-	-	-	-	-	-	-	-	106.6	112.5	129.4	137.7	147.3	158.5
2,000	-	-	-	-	-	-	-	-	-	-	-	118.4	135.8	144.1	153.7	164.9
2,240	-	-	-	-	-	-	-	-	-	-	-	-	143.5	151.8	161.4	172.5
2,500	-	-	-	-	-	-	-	-	-	-	-	-	-	160.1	169.6	180.8
2,800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	179.2	190.4
3,150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	201.6

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