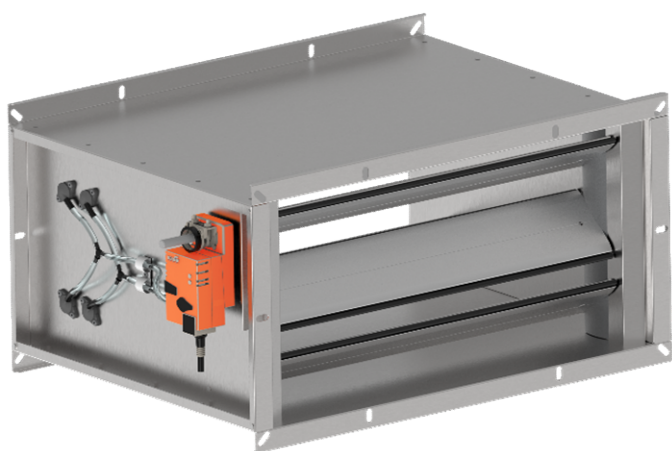




Rectangular variable airflow regulator in galvanized steel + natural aluminium



VAV

Description and application:

Variable air volume regulator with rectangular section, equipped with an extended shaft suitable for motorization, equipped with an internal airleakage damper and dynamic pressure probe.

Designed for the control, regulation and balancing of airflow in HVAC systems, optimizing indoor comfort and energy efficiency, it is ideal for installation in air distribution networks, on rectangular ducts, whether main, secondary or terminal sections in ventilation and air conditioning systems, for both civil and industrial applications.

Construction:

- Execution made of Z200 galvanized steel + natural aluminium;
- Casing thickness 1 mm, riveted, depth 500 mm;
- Flange 30mm drilled with 9x22 slots, suitable for connection to ducts with 20, 25, 30 o 40mm flange;
- Dynamic pressure probe in natural aluminium, for measuring and regulating airflow according to demand;
- External pressure taps in nylon connected to the actuator with PVC tubes $\varnothing_{int}=5$ / $\varnothing_{ext}=8$;
- Internal damper frame thickness 1 mm;
- Blades in natural aluminium extruded EN AW-6060 with silicone sealing gasket;
- Blade pitch 100 mm with opposed movement operation;
- Side sealing strips in raw stainless steel AISI301;
- Nylon bushings;
- Stub shafts $\varnothing 12$ mm in galvanized steel;
- Blades movement by linkage in galvanized steel;
- Control shaft $\varnothing 12$ extended L=100mm;
- External control plate suitable for motorized actuator (for models with anti-rotation rod);
- Damper adjustment and airflow control via communicating actuator.

Available options:

- External insulation with rock mineral wool, 50 kg/m³ density, thickness 50 mm, complete with a containment casing thickness 1 mm in galvanized steel (**RPTI** version).

Operating limits:

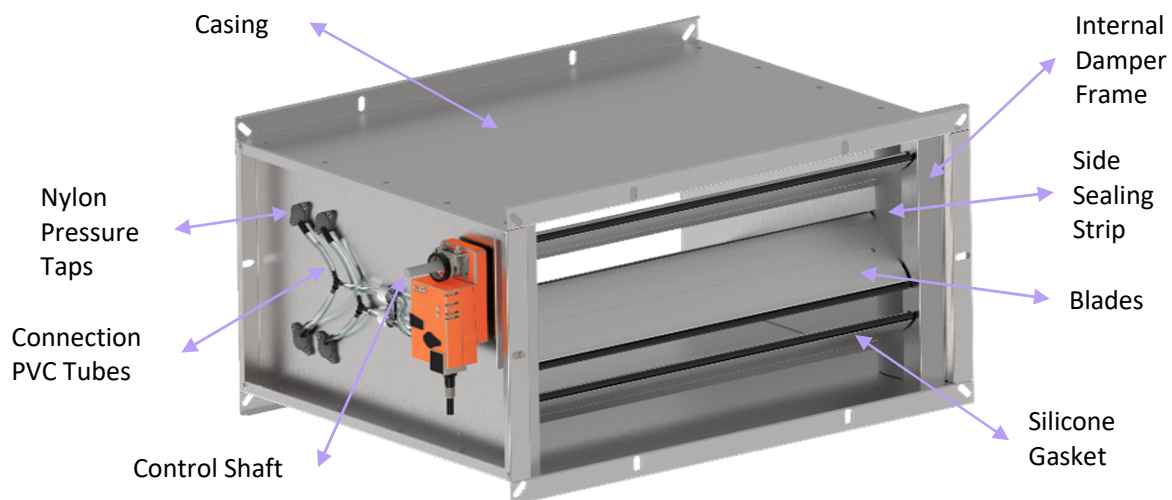
- Available dimensions WxH: Table page 3;
- Temperature range: from 0 °C to +50 °C;
- Dimensional drawing, drilling pattern and weight: page 3;
- V max: 12 m/s;
- Airflow rate range and pressure losses: page 4;
- Acoustic data: from page 5 to page 22;
- Pressure: from 20 to 1000 Pa.

Certifications:

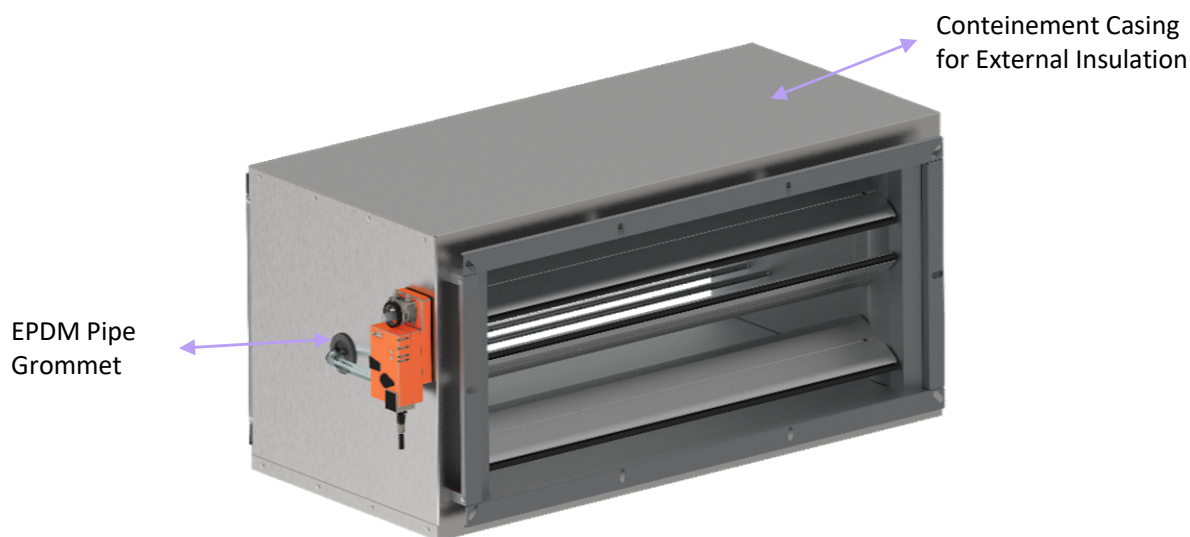
- Self-generated and radiated noise tests carried out in accordance with UNI EN 25135 and ISO 3741 at Istituto Giordano (test reports no. 153262 and no. 154143);
- Air leakage tests carried out in accordance with DIN 1946/4;
- Air leakage tests carried out in accordance with EN 1751;
- External insulation material with Euroclass A1 fire resistance classification in accordance with EN 13501.



Additional Construction Details RPT



Additional Construction Details RPTI



Accessories and Available Communication Protocols

Actuators

Modulating electric actuators with VAV regulators and dynamic Δp sensor - Belimo;



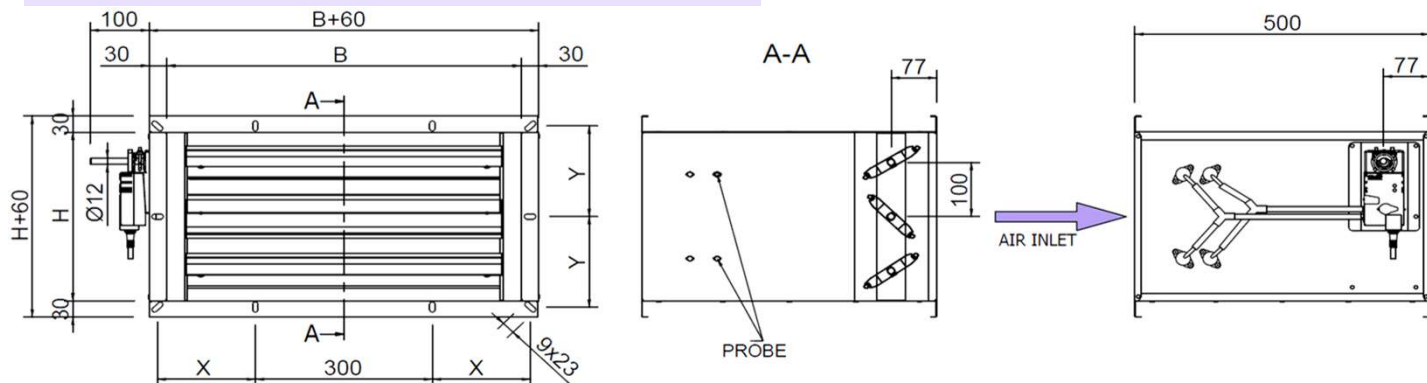
Modulating electric actuators with VAV regulators and dynamic Δp sensor - Siemens;



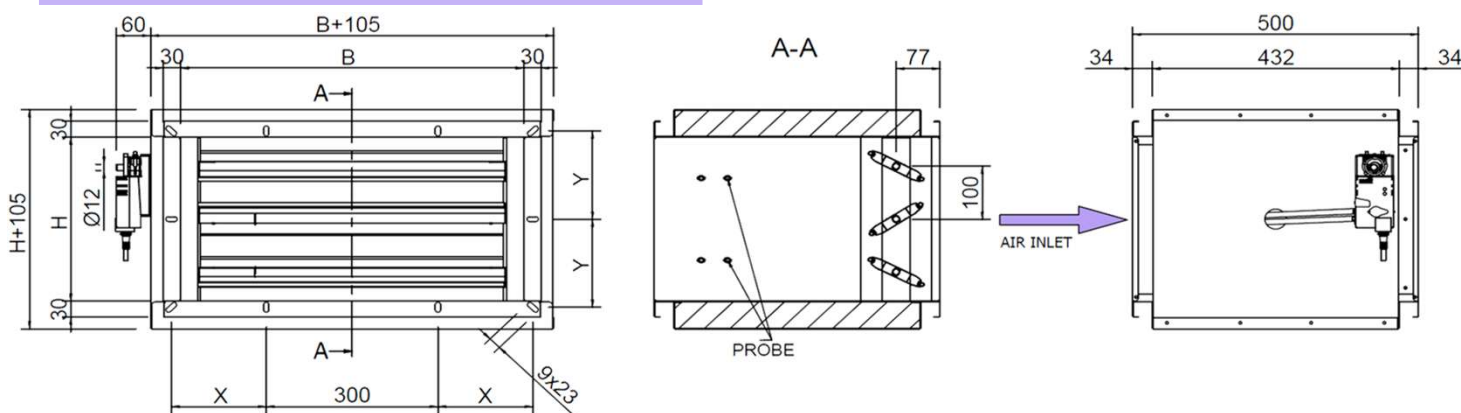


Dimensional Drawing and Standard Drilling Pattern (size in mm, always referred to the inside of the flanges)

RPT - STANDARD VERSION NOT EXTERNALLY INSULATED



RPTI - OPTIONAL VERSION EXTERNALLY INSULATED



ALWAYS PRESENT 4 SLOTS AT 45° IN THE CORNERS

WIDTH DRILLING		
W	N°SLOTS	X
200	1	116,1
250	1	141,1
300	1	166,1
350	1	191,1
400	1	216,1
450	1	241,1
500	1	266,1
550	1	291,1
600	1	316,1
650	1	341,1
700	2	216,1
750	2	241,1
800	2	266,1
850	2	291,1
900	2	316,1
950	2	341,1
1000	3	216,1
1050	3	241,1
1100	3	266,1
1150	3	291,1
1200	3	316,1

HEIGHT DRILLING		
H	N°SLOTS	Y
210	1	116,6
310	1	166,6
410	1	216,6
510	1	266,6
610	1	316,6

Size and Weight Table RPT [Kg]

W H	110	210	310	410	510	610
200	4,8	6,0	7,2	8,4	9,6	10,8
250	5,3	6,5	7,8	9,1	10,3	11,6
300	5,8	7,1	8,4	9,7	11,0	12,3
350	6,3	7,7	9,0	10,4	11,7	13,1
400	6,9	8,3	9,6	11,0	12,4	13,8
450	7,4	8,8	10,3	11,7	13,1	14,6
500	7,9	9,4	10,9	12,4	13,8	15,3
550	8,4	10,0	11,5	13,0	14,5	16,1
600	9,0	10,5	12,1	13,7	15,3	16,8
650	9,5	11,1	12,7	14,3	16,0	
700	10,0	11,7	13,3	15,0	16,7	
750	10,5	12,2	14,0	15,7	17,4	
800	11,1	12,8	14,6	16,3	18,1	
850	11,6	13,4	15,2	17,0		
900	12,1	14,0	15,8	17,6		
950	12,6	14,5	16,4	18,3		
1000	13,2	15,1	17,0	19,0		
1050	13,7	15,7	17,6			
1100	14,2	16,2	18,3			
1150	14,7	16,8	18,9			
1200	15,3	17,4	19,5			

Note : weights refer to RPT, without actuator.
RPTI model multiply value x 2,2.



Airflow Range Min-Max Table RPT / RPTI [m³/h]						
W \ H	110	210	310	410	510	610
200	160 - 950	300 - 1'800	445 - 2'700	590 - 3'550	735 - 4'400	880 - 5'250
250	200 - 1'200	380 - 2'250	560 - 3'350	740 - 4'450	920 - 5'500	1'100 - 6'600
300	240 - 1'450	455 - 2'700	670 - 4'000	885 - 5'300	1'100 - 6'600	1'320 - 7'900
350	275 - 1'650	530 - 3'200	780 - 4'700	1'035 - 6'200	1'285 - 7'700	1'535 - 9'200
400	315 - 1'900	605 - 3'650	895 - 5'350	1'180 - 7'100	1'470 - 8'800	1'755 - 10'550
450	355 - 2'150	680 - 4'100	1'005 - 6'050	1'330 - 7'950	1'650 - 9'900	1'975 - 11'850
500	395 - 2'400	755 - 4'550	1'115 - 6'700	1'475 - 8'850	1'835 - 11'000	2'195 - 13'200
550	435 - 2'600	830 - 5'000	1'230 - 7'350	1'625 - 9'750	2'020 - 12'100	2'415 - 14'500
600	475 - 2'850	905 - 5'450	1'340 - 8'050	1'770 - 10'650	2'205 - 13'200	2'635 - 15'800
650	515 - 3'100	985 - 5'900	1'450 - 8'700	1'920 - 11'500	2'385 - 14'300	
700	555 - 3'350	1'060 - 6'350	1'560 - 9'350	2'065 - 12'400	2'570 - 15'400	
750	595 - 3'550	1'135 - 6'800	1'675 - 10'050	2'215 - 13'300	2'755 - 16'500	
800	635 - 3'800	1'210 - 7'250	1'785 - 10'700	2'360 - 14'150	2'940 - 17'650	
850	675 - 4'050	1'285 - 7'700	1'895 - 11'400	2'510 - 15'050		
900	715 - 4'300	1'360 - 8'150	2'010 - 12'050	2'655 - 15'950		
950	750 - 4'500	1'435 - 8'600	2'120 - 12'700	2'805 - 16'850		
1000	790 - 4'750	1'510 - 9'050	2'230 - 13'400	2'950 - 17'700		
1050	830 - 5'000	1'590 - 9'550	2'345 - 14'050			
1100	870 - 5'250	1'665 - 10'000	2'455 - 14'750			
1150	910 - 5'450	1'740 - 10'450	2'565 - 15'400			
1200	950 - 5'700	1'815 - 10'900	2'680 - 16'050			

- For constant airflow (CAV): the settable airflow rate cannot be lower than 20% of the maximum value indicated in the table;

- For variable airflow (VAV): the maximum settable airflow rate cannot be lower than 20% of the maximum value indicated in the table;

- Minimum airflow rate: it can be set to 0 m³/h, but no other values lower than the minimum value indicated in the table are allowed;

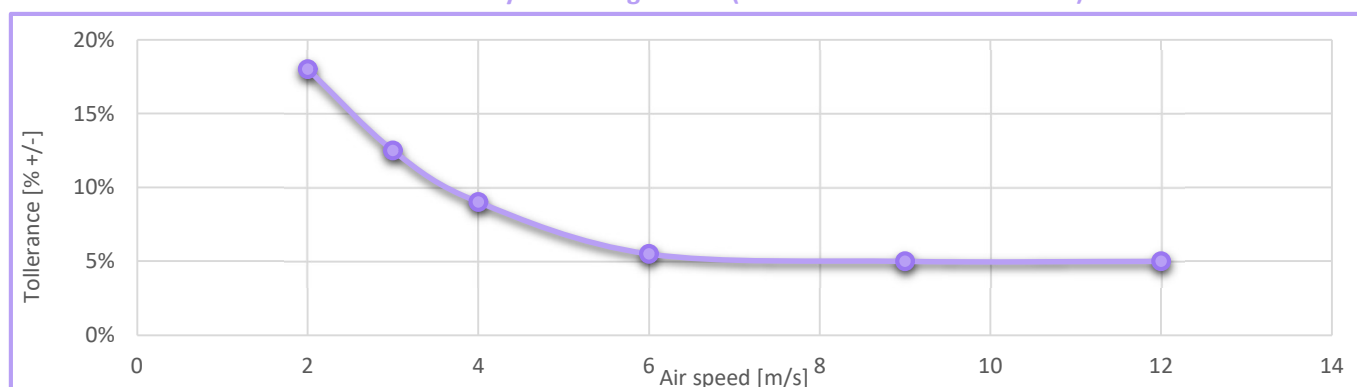
- Measurement uncertainty: shown in the graph below (see Installation section);

Air speed [m/s]	Pressure Table	
	Pressure loss [Pa] 100% open damper	Minimum pressure Δp min [Pa]
2	<5	20
6	<5	30
10	17	61
12	24	79

Installation

For correct pressure measurement and a flow rate tolerance of $\pm 5\%$, a straight duct section must be provided upstream of the regulator, with a minimum length equal to twice the width (2xB) of the selected regulator

Probe Uncertainty Percentage Chart (under installation conditions)





Dim. WxH	Noise Table RPT / RPTI																	
	AirFlow rate	V	NOISE AT 200 Pa								NOISE AT 500 Pa							
			Frequency [Hz] and noise [dB]							Lw	Frequency [Hz] and noise [dB]							Lw
			125	250	500	1000	2000	4000	8000		dB(A)	125	250	500	1000	2000	4000	
200x110	[m³/h]	[m/s]	GENERATED *															
	160	2	49	56	60	55	54	46	37	61	52	58	63	61	60	57	51	66
	475	6	56	61	59	59	57	52	45	63	61	65	72	66	65	62	56	72
	792	10	59	65	60	61	58	51	45	65	68	69	76	69	68	63	58	76
	950	12	60	67	61	62	58	51	45	66	72	71	78	71	70	64	60	78
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	160	2	44	48	49	43	40	31	29	49	47	52	52	49	47	42	41	54
	475	6	56	57	48	42	39	36	33	51	62	60	62	53	50	45	45	61
	792	10	60	63	51	46	42	36	32	56	67	65	65	53	50	46	45	64
	950	12	62	67	53	49	44	35	32	59	69	68	66	52	49	46	45	65
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	160	2	40	43	42	28	25	<20	<20	41	43	47	45	34	32	27	26	44
	475	6	52	52	41	27	24	21	<20	45	58	55	55	38	35	30	30	54
	792	10	56	58	44	31	27	21	<20	51	63	60	58	38	35	31	30	57
	950	12	58	62	46	34	29	<20	<20	54	65	63	59	37	34	31	30	59
200x210	[m³/h]	[m/s]	GENERATED *															
	300	2	48	52	53	53	53	49	42	58	54	59	60	60	62	60	54	67
	907	6	59	63	59	59	58	53	48	64	64	69	70	66	66	65	59	73
	1512	10	61	66	63	62	61	56	51	67	67	72	73	69	69	66	61	75
	1800	12	62	68	65	64	63	57	52	69	69	73	75	70	70	66	62	77
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	300	2	46	47	43	41	37	26	25	46	48	50	43	42	41	39	37	48
	907	6	57	56	42	40	36	31	29	50	63	62	52	48	45	42	39	57
	1512	10	63	62	46	44	39	34	31	55	71	69	57	51	47	44	41	63
	1800	12	65	64	48	46	41	35	32	58	75	73	59	52	48	45	41	66
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	300	2	42	42	36	26	22	<20	<20	37	44	45	36	27	26	24	22	39
	907	6	53	51	35	25	21	<20	<20	44	59	57	45	33	30	27	24	51
	1512	10	59	57	39	29	24	<20	<20	50	67	64	50	36	32	29	26	57
	1800	12	61	59	41	31	26	<20	<20	52	71	68	52	37	33	30	26	61
200x310	[m³/h]	[m/s]	GENERATED *															
	445	2	49	51	52	57	54	54	44	61	53	56	58	60	60	61	59	67
	1339	6	60	58	57	57	56	53	47	62	67	64	68	65	64	64	59	71
	2232	10	64	65	60	61	59	55	49	66	73	70	72	68	67	66	61	74
	2700	12	66	68	61	63	61	56	50	68	76	73	73	70	69	66	63	76
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	445	2	46	49	51	49	45	39	30	53	50	54	55	58	58	50	42	62
	1339	6	57	54	43	43	45	41	31	51	65	62	56	53	57	53	44	62
	2232	10	65	63	49	47	47	42	32	57	71	68	59	55	58	55	46	64
	2700	12	68	66	51	49	47	42	32	60	73	70	56	55	58	55	46	66
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	445	2	42	44	44	34	30	24	<20	43	46	49	48	43	43	35	27	50
	1339	6	53	49	36	28	30	26	<20	43	61	57	49	38	42	38	29	52
	2232	10	61	58	42	32	32	27	<20	51	67	63	49	40	43	40	31	57
	2700	12	64	61	44	34	32	27	<20	54	69	65	49	40	43	40	31	59



Dim. WxH	Noise Table RPT / RPTI																	
	AirFlow rate	V	NOISE AT 200 Pa								NOISE AT 500 Pa							
			Frequency [Hz] and noise [dB]							Lw dB(A)	Frequency [Hz] and noise [dB]							Lw dB(A)
			125	250	500	1000	2000	4000	8000		125	250	500	1000	2000	4000	8000	
200x410	[m³/h]	[m/s]	GENERATED *															
	590	2	53	53	52	53	54	49	41	59	61	67	65	64	64	63	59	70
	1771	6	63	60	60	62	60	55	49	66	69	67	69	67	66	64	60	73
	2952	10	65	66	61	64	62	57	50	68	73	72	73	71	70	66	62	76
	3550	12	66	70	62	65	62	57	51	69	76	75	76	72	72	67	63	78
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	590	2	49	52	50	48	39	31	30	52	52	51	44	44	44	41	39	50
	1771	6	60	58	43	43	39	34	31	52	66	64	52	49	46	40	41	58
	2952	10	67	65	50	48	42	37	32	58	72	69	56	51	47	42	38	63
	3550	12	71	68	54	50	44	38	33	62	75	72	57	52	47	43	26	65
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	590	2	45	47	43	33	24	<20	<20	43	48	46	37	29	29	26	24	41
	1771	6	56	53	36	28	24	<20	<20	46	62	59	45	34	31	25	26	52
	2952	10	63	60	43	33	27	22	<20	53	68	64	49	36	32	27	23	58
	3550	12	67	63	47	35	29	23	<20	57	71	67	50	37	32	28	21	60
200x510	[m³/h]	[m/s]	GENERATED *															
	735	2	53	50	48	54	54	53	44	60	62	66	62	63	64	65	63	78
	2203	6	64	58	59	61	60	56	50	66	72	66	68	67	65	65	62	71
	3672	10	67	66	61	64	62	58	53	68	76	73	71	70	69	67	64	76
	4400	12	69	70	62	65	64	60	54	70	78	76	73	72	71	68	65	78
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	735	2	50	52	51	52	41	35	31	55	53	52	45	48	49	45	39	54
	2203	6	61	57	41	43	42	36	30	52	67	65	49	49	50	44	40	59
	3672	10	70	65	49	48	45	40	32	59	74	71	51	52	51	46	38	65
	4400	12	74	68	53	50	46	41	33	62	76	73	52	54	51	48	37	66
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	735	2	46	47	44	37	26	<20	<20	44	49	47	38	33	34	30	24	43
	2203	6	57	52	34	28	27	21	<20	46	63	60	42	34	35	29	25	53
	3672	10	66	60	42	33	30	25	<20	54	70	66	44	37	36	31	23	59
	4400	12	70	63	46	35	31	26	<20	57	72	68	45	39	36	33	22	61
200x610	[m³/h]	[m/s]	GENERATED *															
	880	2	54	49	45	53	55	55	45	60	65	68	63	64	65	68	66	73
	2635	6	66	58	59	61	61	57	51	66	74	67	67	67	66	66	63	73
	4392	10	69	66	61	65	63	60	54	69	78	73	71	71	69	68	65	76
	5250	12	71	71	62	66	65	61	56	71	80	77	72	72	71	69	66	78
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	880	2	52	53	52	54	42	36	32	56	55	52	44	48	50	46	39	55
	2635	6	62	57	40	44	43	37	30	52	69	66	46	48	49	43	39	60
	4392	10	72	65	49	49	46	41	32	60	75	72	49	52	51	46	36	65
	5250	12	77	69	54	51	46	43	34	64	78	74	49	54	52	48	34	68
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	880	2	48	48	45	39	27	21	<20	45	51	47	37	33	35	31	24	43
	2635	6	58	52	33	29	28	22	<20	46	65	61	39	33	34	28	24	54
	4392	10	68	60	42	34	31	26	<20	55	71	67	42	37	36	31	21	60
	5250	12	73	64	47	36	31	28	<20	59	74	69	42	39	37	33	20	62



Dim. WxH	Noise Table RPT / RPTI																	
	AirFlow rate	V	NOISE AT 200 Pa								NOISE AT 500 Pa							
			Frequency [Hz] and noise [dB]								Frequency [Hz] and noise [dB]							
			125	250	500	1000	2000	4000	8000	Lw dB(A)	125	250	500	1000	2000	4000	8000	Lw dB(A)
300x110	[m³/h]	[m/s]	GENERATED *															
	240	2	50	57	61	56	55	47	38	62	53	59	64	62	61	58	52	67
	713	6	57	62	60	60	58	52	46	64	62	65	73	67	66	63	57	73
	1188	10	60	66	61	62	59	52	46	66	69	70	77	70	69	64	59	77
	1450	12	61	68	62	63	59	51	46	67	73	72	79	72	71	65	60	79
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	240	2	45	49	50	43	41	32	30	50	48	53	53	50	48	43	42	55
	713	6	57	58	49	43	40	36	34	52	63	61	63	54	51	46	46	62
	1188	10	61	64	52	47	43	36	33	57	68	66	66	54	50	47	46	65
	1450	12	63	68	54	49	45	36	32	60	72	70	68	54	50	47	47	67
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	240	2	41	44	43	28	26	<20	<20	42	44	48	46	35	33	28	27	45
	713	6	53	53	42	28	25	21	<20	46	59	56	56	39	36	31	31	55
	1188	10	57	59	45	32	28	21	<20	52	64	61	59	39	35	32	3	58
	1450	12	59	63	47	34	30	21	<20	55	68	65	61	39	35	32	32	61
300x210	[m³/h]	[m/s]	GENERATED *															
	455	2	49	53	54	54	54	50	43	59	55	60	61	61	63	61	55	68
	1361	6	60	64	60	60	59	54	48	65	65	70	71	67	67	66	60	74
	2268	10	62	67	64	63	62	57	52	68	68	73	74	70	70	67	62	76
	2700	12	63	69	66	65	64	58	53	70	70	74	74	71	70	67	63	77
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	455	2	47	49	44	42	38	27	25	47	49	51	44	43	42	40	38	49
	1361	6	60	59	44	42	37	32	30	52	64	63	53	49	45	43	40	58
	2268	10	64	63	47	45	40	34	31	56	72	70	58	52	47	45	41	64
	2700	12	66	66	49	47	42	36	33	59	76	74	60	53	48	45	42	67
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	455	2	43	44	37	27	23	<20	<20	39	45	46	37	28	27	25	23	40
	1361	6	56	54	37	27	22	<20	<20	46	60	58	46	34	30	28	25	52
	2268	10	60	58	40	30	25	<20	<20	50	68	65	51	37	32	30	26	58
	2700	12	62	61	42	32	27	21	<20	53	72	69	53	38	33	30	27	62
300x310	[m³/h]	[m/s]	GENERATED *															
	670	2	50	52	53	58	55	55	44	62	54	57	59	61	61	62	60	68
	2009	6	61	59	58	58	57	54	48	63	68	65	69	66	65	65	60	72
	3348	10	65	66	61	62	60	56	50	67	74	71	73	69	68	67	62	75
	4000	12	67	69	62	64	62	56	51	69	77	74	74	71	70	67	63	77
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	670	2	47	50	52	50	46	39	31	54	50	55	56	59	59	51	43	63
	2009	6	58	56	44	44	46	42	32	52	66	63	57	54	58	54	45	63
	3348	10	66	64	50	48	48	43	33	58	72	69	57	55	59	55	46	65
	4000	12	70	67	52	50	48	42	33	61	74	71	57	56	59	56	47	67
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	670	2	43	45	45	35	31	24	<20	44	46	50	49	44	44	36	28	51
	2009	6	54	51	37	29	31	27	<20	44	62	58	50	39	43	39	30	53
	3348	10	62	59	43	33	33	28	<20	52	68	64	50	40	44	40	31	58
	4000	12	66	62	45	35	33	27	<20	55	70	66	50	41	44	41	32	60



Dim. WxH	Noise Table RPT / RPTI																	
	AirFlow rate	V	NOISE AT 200 Pa								NOISE AT 500 Pa							
			Frequency [Hz] and noise [dB]							Lw	Frequency [Hz] and noise [dB]							Lw
			125	250	500	1000	2000	4000	8000		dB(A)	125	250	500	1000	2000	4000	
300x410	[m³/h]	[m/s]	GENERATED *															
	885	2	54	54	53	54	56	50	42	60	62	68	66	65	65	64	60	71
	2657	6	64	61	61	63	61	56	49	67	70	68	70	68	67	65	61	74
	4428	10	66	67	62	65	63	57	51	69	75	73	75	72	71	67	63	77
	5300	12	67	71	63	65	63	58	52	70	77	76	77	73	73	68	64	79
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	885	2	50	53	51	49	40	32	31	53	53	52	45	45	45	42	40	51
	2657	6	61	59	44	44	40	34	32	53	67	65	53	50	47	41	41	59
	4428	10	68	66	51	48	43	37	33	59	73	70	57	52	47	43	38	64
	5300	12	72	70	55	51	45	39	34	63	76	73	58	53	47	44	37	66
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	885	2	46	48	44	34	25	<20	<20	44	49	47	38	30	30	27	25	42
	2657	6	57	54	37	29	25	<20	<20	47	63	60	46	35	32	26	26	53
	4428	10	64	61	44	33	28	22	<20	54	69	65	50	37	32	28	23	59
	5300	12	68	65	48	63	30	24	<20	58	72	68	51	38	32	29	22	61
300x510	[m³/h]	[m/s]	GENERATED *															
	1100	2	54	51	49	55	56	54	45	61	63	67	63	64	65	67	64	72
	3305	6	65	59	60	62	61	57	50	67	73	67	69	68	66	66	63	74
	5508	10	68	67	62	65	63	59	53	69	77	74	73	71	70	68	65	77
	6600	12	70	71	63	66	65	61	55	71	79	77	74	73	72	69	65	79
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	1100	2	51	53	52	53	42	35	32	55	54	53	46	49	50	46	40	55
	3305	6	62	58	42	44	43	37	31	53	69	66	50	50	50	44	41	60
	5508	10	71	66	50	49	46	40	33	60	75	72	52	53	52	47	38	66
	6600	12	75	69	54	51	46	42	34	63	77	74	53	54	52	48	37	67
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	1100	2	47	48	45	38	27	<20	<20	45	50	48	39	34	35	31	25	44
	3305	6	58	53	35	29	28	22	<20	47	65	61	43	35	35	29	26	54
	5508	10	67	61	43	34	31	25	<20	55	71	67	45	38	37	32	23	60
	6600	12	71	64	47	36	31	27	<20	58	73	69	46	39	37	33	22	62
300x610	[m³/h]	[m/s]	GENERATED *															
	1320	2	55	50	46	55	56	56	46	62	66	69	64	65	66	69	67	74
	3953	6	67	59	60	62	62	58	52	67	76	68	68	68	67	67	64	74
	6588	10	71	68	62	66	64	61	55	70	80	75	72	72	70	69	66	78
	7900	12	72	72	63	67	66	62	57	72	81	78	73	73	72	70	67	79
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	1320	2	53	54	53	55	43	37	33	57	56	53	45	49	51	47	40	56
	3953	6	63	58	41	45	44	37	30	53	70	68	47	49	50	44	40	61
	6588	10	73	66	50	50	46	42	33	61	76	73	49	53	52	47	37	66
	7900	12	78	70	55	52	47	44	34	65	78	74	49	54	52	48	34	68
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	1320	2	49	49	46	40	28	22	<20	46	52	48	38	34	36	32	25	44
	3953	6	59	53	34	30	29	22	<20	47	66	63	40	34	35	29	25	56
	6588	10	69	61	43	35	31	27	<20	56	72	68	42	38	37	32	22	61
	7900	12	74	65	48	37	32	29	<20	60	74	69	42	39	37	33	<20	62



Dim. WxH	Noise Table RPT / RPTI																	
	AirFlow rate	V	NOISE AT 200 Pa								NOISE AT 500 Pa							
			Frequency [Hz] and noise [dB]							Lw	Frequency [Hz] and noise [dB]							Lw
			125	250	500	1000	2000	4000	8000		dB(A)	125	250	500	1000	2000	4000	
400x110	[m³/h]	[m/s]	GENERATED *															
	315	2	51	58	62	57	56	47	39	63	54	60	65	63	62	59	53	68
	950	6	58	63	61	61	59	53	47	65	63	66	74	68	67	64	58	74
	1584	10	61	67	62	63	60	53	46	67	70	71	78	71	70	65	60	78
	1900	12	62	69	63	64	60	52	46	68	74	73	80	73	72	66	61	80
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	315	2	46	50	51	44	41	32	30	51	49	54	54	51	49	44	42	56
	950	6	58	59	50	44	40	37	35	53	64	62	64	55	52	47	47	63
	1584	10	62	65	53	48	44	37	33	58	69	67	67	55	51	47	47	66
	1900	12	64	69	54	50	45	36	33	61	72	70	68	54	50	47	47	67
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	315	2	42	45	44	29	26	<20	<20	43	45	49	47	36	34	29	27	47
	950	6	54	54	43	29	25	22	<20	47	60	57	57	40	37	32	32	56
	1584	10	58	60	46	33	29	22	<20	53	65	62	60	40	36	32	32	59
	1900	12	60	64	47	35	30	21	<20	56	68	65	61	39	35	32	32	61
400x210	[m³/h]	[m/s]	GENERATED *															
	605	2	50	54	55	55	55	51	43	60	56	61	62	62	64	62	56	69
	1841	6	61	65	61	61	60	55	49	66	66	71	72	68	68	67	61	75
	3024	10	63	68	65	64	63	58	52	69	69	74	75	71	71	67	63	77
	3650	12	64	70	67	66	65	59	54	71	71	75	77	72	72	68	64	79
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	605	2	48	50	45	43	39	27	26	48	50	52	45	44	43	41	39	50
	1841	6	59	58	44	42	37	32	30	52	65	65	54	50	46	43	40	59
	3024	10	65	64	48	45	41	35	32	57	73	72	58	53	48	45	45	65
	3650	12	68	67	50	47	42	36	33	60	77	75	60	54	49	46	42	68
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	605	2	44	45	38	28	24	<20	<20	39	46	47	38	29	28	26	24	41
	1841	6	55	53	37	27	22	<20	<20	46	61	60	47	35	31	28	25	53
	3024	10	61	59	41	30	26	<20	<20	52	69	67	51	38	33	30	27	60
	3650	12	64	62	43	32	27	21	<20	54	73	70	53	39	34	31	27	63
400x310	[m³/h]	[m/s]	GENERATED *															
	895	2	51	52	54	59	56	56	45	63	55	57	60	62	62	63	61	69
	2678	6	62	60	59	59	58	55	49	64	69	66	70	67	66	66	61	73
	4464	10	66	67	62	63	61	57	51	68	75	72	74	70	69	67	63	76
	5350	12	68	70	63	65	63	57	52	70	79	75	75	72	71	68	64	78
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	895	2	48	51	53	51	47	40	32	55	51	56	57	60	60	52	44	64
	2678	6	59	57	45	45	47	43	32	53	67	64	58	55	59	55	46	64
	4464	10	67	65	51	49	49	43	33	59	73	70	58	56	60	56	47	66
	5350	12	71	68	53	51	49	43	33	62	75	73	58	57	60	57	48	68
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	895	2	44	46	46	36	32	25	<20	45	47	51	50	45	45	37	29	52
	2678	6	55	52	38	30	32	28	<20	56	63	59	51	40	44	40	31	54
	4464	10	63	60	44	34	34	28	<20	53	69	65	51	41	45	41	32	59
	5350	12	67	63	46	36	34	28	<20	56	71	68	51	42	45	42	33	61



Dim. WxH	Noise Table RPT / RPTI																	
	AirFlow rate	V	NOISE AT 200 Pa								NOISE AT 500 Pa							
			Frequency [Hz] and noise [dB]							Lw	Frequency [Hz] and noise [dB]							Lw
			125	250	500	1000	2000	4000	8000		dB(A)	125	250	500	1000	2000	4000	
400x410	[m³/h]	[m/s]	GENERATED *															
	1180	2	55	55	54	55	57	51	43	61	63	69	67	66	66	65	61	72
	3542	6	65	62	62	64	62	57	50	68	71	69	72	69	68	66	62	75
	5904	10	67	69	63	66	64	58	52	70	76	74	76	73	72	68	64	78
	7100	12	68	72	64	67	64	59	53	71	78	77	78	74	73	69	65	80
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	1180	2	51	54	52	51	40	32	32	54	54	54	46	46	46	43	40	52
	3542	6	63	60	45	45	41	35	32	54	68	66	54	51	48	41	42	60
	5904	10	69	67	52	49	44	38	34	60	74	72	57	53	48	43	39	65
	7100	12	73	71	55	51	45	39	34	64	77	74	59	54	48	44	37	67
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	1180	2	47	49	45	36	25	<20	<20	45	50	49	39	31	31	28	25	43
	3542	6	59	55	38	30	26	<20	<20	48	64	61	47	36	33	26	27	54
	5904	10	65	62	45	34	29	23	<20	55	70	67	50	38	33	28	24	60
	7100	12	69	66	48	36	30	24	<20	59	73	69	52	39	33	29	22	62
400x510	[m³/h]	[m/s]	GENERATED *															
	1470	2	55	52	50	56	57	55	46	62	64	68	64	65	66	68	65	73
	4406	6	66	60	61	63	62	58	51	68	74	68	70	69	67	67	64	75
	7344	10	70	68	63	66	65	60	54	71	78	75	74	72	71	69	66	78
	8800	12	71	72	64	67	66	61	56	72	80	78	75	74	73	70	66	80
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	1470	2	52	54	53	54	43	36	32	56	55	54	47	50	51	47	41	56
	4406	6	63	59	43	45	44	38	31	54	70	67	50	51	51	45	42	61
	7344	10	72	67	51	50	46	41	33	61	76	73	53	54	52	48	39	66
	8800	12	76	70	55	52	47	43	34	64	79	75	54	55	53	49	38	69
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	1470	2	48	49	46	39	28	21	<20	46	51	49	40	35	36	32	26	45
	4406	6	59	54	36	30	29	23	<20	48	66	62	43	36	36	30	27	55
	7344	10	68	62	44	35	31	26	<20	56	72	68	46	39	37	33	24	61
	8800	12	72	65	48	37	32	28	<20	59	75	70	47	40	38	34	23	63
400x610	[m³/h]	[m/s]	GENERATED *															
	1755	2	56	51	47	56	57	57	47	63	67	70	65	66	67	70	68	75
	5270	6	69	60	61	64	63	59	52	69	77	69	69	69	68	68	65	75
	8784	10	72	69	63	67	66	62	56	72	81	76	73	73	71	70	67	79
	10550	12	73	73	64	68	67	63	57	73	82	79	74	74	73	71	67	80
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	1755	2	54	56	54	56	44	37	33	58	57	54	46	50	52	48	41	57
	5270	6	65	59	42	46	45	38	31	55	71	69	48	50	51	45	41	62
	8784	10	75	67	51	50	47	42	34	62	77	74	50	54	53	48	37	67
	10550	12	79	71	55	52	48	44	35	66	80	76	51	56	53	49	35	69
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	1755	2	50	51	47	41	29	22	<20	48	53	49	39	35	37	33	26	45
	5270	6	61	54	35	31	30	23	<20	49	67	64	41	35	36	30	26	57
	8784	10	71	62	44	35	32	27	<20	57	73	69	43	39	38	33	22	62
	10550	12	75	66	48	37	33	29	<20	61	76	71	44	41	38	34	20	65



Dim. WxH	Noise Table RPT / RPTI																	
	AirFlow rate	V	NOISE AT 200 Pa								NOISE AT 500 Pa							
			Frequency [Hz] and noise [dB]							Lw	Frequency [Hz] and noise [dB]							Lw
			125	250	500	1000	2000	4000	8000		dB(A)	125	250	500	1000	2000	4000	
500x110	[m³/h]	[m/s]	GENERATED *															
	395	2	52	59	63	58	57	48	39	64	55	61	66	64	63	59	54	69
	1188	6	59	65	62	62	60	54	47	66	64	67	75	69	68	64	59	75
	1980	10	62	68	63	64	61	54	47	68	71	72	79	72	71	66	61	79
	2400	12	63	70	64	65	61	53	47	69	74	74	81	74	73	67	62	81
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	395	2	47	51	52	45	42	33	31	52	50	55	55	52	50	45	43	57
	1188	6	59	60	51	45	41	38	35	54	65	63	65	56	53	48	48	64
	1980	10	63	66	54	49	44	37	34	59	70	68	68	55	52	48	48	67
	2400	12	65	70	55	51	46	37	33	62	73	71	70	55	51	48	47	68
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	395	2	43	46	45	30	27	<20	<20	44	43	50	48	37	35	30	28	48
	1188	6	55	55	44	30	26	23	<20	48	61	58	58	41	38	33	33	57
	1980	10	59	61	47	34	29	22	<20	54	66	63	61	40	37	33	33	60
	2400	12	61	65	48	36	31	22	<20	57	69	66	63	40	36	33	32	62
500x210	[m³/h]	[m/s]	GENERATED *															
	755	2	51	55	56	56	56	52	44	61	57	62	63	63	65	63	57	70
	2268	6	62	66	62	62	61	56	50	67	67	72	73	69	69	68	62	76
	3780	10	64	69	66	66	64	59	53	70	70	75	76	72	72	68	64	78
	4550	12	65	71	68	67	66	60	55	72	72	76	78	73	73	69	65	80
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	755	2	49	51	46	43	40	28	26	49	52	53	46	45	44	42	39	51
	2268	6	61	60	44	42	38	32	30	53	66	66	55	51	47	44	41	60
	3780	10	66	65	49	46	41	35	32	58	74	73	59	53	49	46	42	66
	4550	12	69	68	51	48	43	37	34	61	78	76	61	54	50	47	43	69
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	755	2	45	46	39	28	25	<20	<20	41	48	48	39	30	29	27	24	42
	2268	6	57	55	37	27	23	<20	<20	47	62	61	48	36	32	29	26	54
	3780	10	62	60	42	31	26	<20	<20	53	70	68	52	38	34	31	27	61
	4550	12	65	63	44	33	28	22	<20	55	74	71	54	39	35	32	28	64
500x310	[m³/h]	[m/s]	GENERATED *															
	1115	2	52	53	55	60	57	57	46	64	56	58	61	63	63	64	62	70
	3348	6	63	61	60	60	59	56	50	65	70	67	71	68	66	67	62	74
	5580	10	67	68	63	64	62	58	52	69	76	73	75	71	70	68	64	77
	6700	12	69	71	64	66	64	58	53	71	80	76	77	73	72	69	65	79
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	1115	2	49	52	54	52	48	41	32	56	52	57	58	61	61	53	44	65
	3348	6	60	58	46	46	48	44	33	54	68	65	59	56	60	56	46	65
	5580	10	68	66	51	50	49	44	34	60	74	71	59	57	61	57	48	67
	6700	12	72	69	54	52	50	44	34	63	77	74	59	58	61	58	48	69
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	1115	2	45	47	47	37	33	26	<20	46	48	52	51	46	46	38	29	53
	3348	6	56	53	39	31	33	29	<20	47	64	60	52	41	45	41	31	55
	5580	10	64	61	44	35	34	29	<20	54	70	66	52	42	46	42	33	60
	6700	12	68	64	47	37	35	29	<20	57	73	69	52	43	46	43	33	62



Dim. WxH	Noise Table RPT / RPTI																	
	AirFlow rate	V	NOISE AT 200 Pa								NOISE AT 500 Pa							
			Frequency [Hz] and noise [dB]							Lw dB(A)	Frequency [Hz] and noise [dB]							Lw dB(A)
			125	250	500	1000	2000	4000	8000		125	250	500	1000	2000	4000	8000	
500x410	[m³/h]	[m/s]	GENERATED *															
	1475	2	56	56	55	56	58	52	43	62	64	70	68	67	67	66	62	73
	4428	6	66	63	63	65	63	58	51	69	72	70	73	70	69	67	63	76
	7380	10	68	70	74	67	65	59	53	71	77	75	77	74	73	69	65	79
	8850	12	69	73	63	68	65	60	54	72	79	78	79	75	74	70	66	81
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	1475	2	52	55	53	51	41	33	32	55	56	55	47	47	47	44	41	53
	4428	6	64	61	46	45	41	35	33	55	69	67	55	52	49	42	43	61
	7380	10	70	68	53	50	44	38	34	61	75	73	58	54	49	44	39	66
	8850	12	74	72	56	52	46	40	35	65	78	75	60	55	49	45	38	68
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	1475	2	48	50	46	36	26	<20	<20	46	52	50	40	32	32	29	26	44
	4428	6	60	56	39	30	26	<20	<20	49	65	62	48	37	34	27	28	56
	7380	10	66	63	46	35	29	23	<20	56	71	68	51	39	34	29	24	61
	8850	12	70	67	49	37	31	25	<20	60	74	70	53	40	34	30	23	63
500x510	[m³/h]	[m/s]	GENERATED *															
	1835	2	56	53	51	57	58	56	47	63	65	69	65	66	67	69	66	74
	5508	6	68	61	62	64	63	59	52	69	75	69	71	70	68	68	65	76
	9180	10	71	69	64	67	66	61	55	72	79	76	75	73	72	70	66	79
	11000	12	72	73	65	68	67	62	56	73	82	79	76	75	74	71	67	81
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	1835	2	53	55	54	55	44	37	33	57	57	55	48	51	52	48	42	57
	5508	6	64	60	44	46	45	38	32	55	71	69	51	52	52	46	42	63
	9180	10	73	68	52	50	47	42	34	62	77	74	53	54	53	48	39	67
	11000	12	77	71	56	53	48	43	35	65	80	76	55	56	54	50	38	70
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	1835	2	49	50	47	40	29	20	<20	47	53	50	41	36	37	33	27	46
	5508	6	60	55	37	31	30	23	<20	49	67	64	44	37	37	31	27	57
	9180	10	69	63	45	35	32	27	<20	57	73	69	46	39	38	33	24	62
	11000	12	73	66	49	38	33	28	<20	60	76	71	48	41	39	35	23	64
500x610	[m³/h]	[m/s]	GENERATED *															
	2195	2	57	52	48	57	58	58	48	64	68	71	66	67	68	71	69	76
	6588	6	70	61	62	65	64	60	53	70	78	70	70	70	69	69	66	76
	10980	10	73	70	64	68	67	63	57	73	82	77	74	74	72	71	68	80
	13200	12	74	74	65	69	68	64	58	74	84	80	75	75	74	72	68	81
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	2195	2	55	56	55	57	44	38	34	59	58	56	47	51	53	49	42	58
	6588	6	66	60	42	46	46	39	31	55	72	70	48	51	52	45	41	63
	10980	10	76	68	52	51	48	43	34	63	78	75	50	54	53	48	38	68
	13200	12	80	72	56	53	48	45	35	67	81	77	52	56	54	50	36	70
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	2195	2	51	51	48	42	29	23	<20	48	54	51	40	36	38	34	27	47
	6588	6	62	55	35	31	31	24	<20	49	68	65	41	36	37	30	26	58
	10980	10	72	63	45	36	33	28	<20	58	74	70	43	39	38	33	23	63
	13200	12	76	67	49	38	33	30	<20	62	77	72	45	41	39	35	21	65



Dim. WxH	Noise Table RPT / RPTI																	
	AirFlow rate	V	NOISE AT 200 Pa								NOISE AT 500 Pa							
			Frequency [Hz] and noise [dB]							Lw dB(A)	Frequency [Hz] and noise [dB]							Lw dB(A)
			125	250	500	1000	2000	4000	8000		125	250	500	1000	2000	4000	8000	
600x110	[m³/h]	[m/s]	GENERATED *															
	475	2	53	60	64	59	58	49	40	65	56	62	67	66	65	61	55	71
	1426	6	60	66	63	63	61	55	48	68	65	69	76	70	69	66	60	77
	2376	10	63	70	64	65	62	55	48	69	72	73	80	73	72	67	62	80
	2850	12	65	72	65	66	63	54	48	70	75	75	82	75	74	68	63	82
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	475	2	48	53	54	47	44	34	32	53	51	56	56	53	51	46	44	59
	1426	6	60	62	52	46	42	39	36	56	67	64	67	57	54	49	49	66
	2376	10	64	68	55	50	45	38	35	61	72	70	70	57	53	49	49	68
	2850	12	66	71	56	52	47	38	34	63	74	73	71	56	52	49	49	69
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	475	2	44	48	47	32	29	<20	<20	45	47	51	49	38	36	31	29	48
	1426	6	56	57	45	31	27	24	21	49	63	59	60	42	39	34	34	58
	2376	10	60	63	48	35	30	23	<20	55	68	65	63	42	38	34	34	61
	2850	12	62	66	49	37	32	23	<20	58	70	68	64	41	37	34	34	64
600x210	[m³/h]	[m/s]	GENERATED *															
	905	2	52	56	57	58	57	53	45	63	58	63	64	64	66	64	58	71
	2722	6	63	68	63	63	62	57	51	68	68	73	75	71	70	69	63	77
	4536	10	65	71	67	67	65	60	54	72	72	76	78	73	73	70	65	80
	5450	12	66	72	69	68	67	61	56	73	73	78	79	74	75	70	66	81
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	905	2	50	52	48	45	41	29	27	50	53	55	47	46	46	43	41	53
	2722	6	62	61	46	44	39	33	31	54	68	67	56	52	48	45	42	61
	4536	10	67	66	50	47	42	36	33	59	75	74	60	54	50	47	43	67
	5450	12	70	69	52	49	44	38	34	62	79	77	62	55	50	47	44	70
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	905	2	46	47	41	30	26	<20	<20	42	49	50	40	31	31	28	26	44
	2722	6	58	56	39	29	24	<20	<20	49	64	62	49	37	33	30	27	55
	4536	10	63	61	43	32	27	21	<20	54	71	69	53	39	35	32	28	61
	5450	12	66	64	45	34	29	23	<20	56	75	72	55	40	35	32	29	65
600x310	[m³/h]	[m/s]	GENERATED *															
	1340	2	53	55	57	61	59	58	47	65	57	60	63	64	64	66	64	71
	4018	6	64	62	61	62	61	57	51	67	71	68	73	70	68	68	63	76
	6696	10	68	69	64	66	64	59	53	70	78	74	76	73	71	70	65	79
	8050	12	70	73	66	68	65	59	54	72	81	77	78	74	73	70	66	80
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	1340	2	50	53	55	53	49	42	33	57	53	58	59	62	62	54	45	67
	4018	6	62	59	47	47	49	45	34	56	69	66	60	57	61	57	47	66
	6696	10	69	67	52	51	50	45	34	61	75	72	60	58	62	58	49	69
	8050	12	73	71	55	53	51	45	34	64	78	75	60	59	62	59	49	70
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	1340	2	46	48	48	38	34	27	<20	47	49	53	52	47	47	39	30	54
	4018	6	58	54	40	32	34	30	<20	48	65	61	53	42	46	42	32	56
	6696	10	65	62	45	36	35	30	<20	55	71	67	53	43	47	43	34	61
	8050	12	69	66	48	38	36	30	<20	59	74	70	53	44	47	44	34	64



Dim. WxH	Noise Table RPT / RPTI																	
	AirFlow rate	V	NOISE AT 200 Pa								NOISE AT 500 Pa							
			Frequency [Hz] and noise [dB]							Lw	Frequency [Hz] and noise [dB]							Lw
			125	250	500	1000	2000	4000	8000		dB(A)	125	250	500	1000	2000	4000	
600x410	[m³/h]	[m/s]	GENERATED *															
	1770	2	57	57	56	57	59	53	44	63	65	71	69	68	68	67	63	75
	5314	6	67	65	64	66	65	59	52	70	73	71	74	71	70	68	64	77
	8856	10	69	71	65	68	66	60	54	72	78	77	78	75	74	71	66	81
	10650	12	70	74	66	68	66	61	54	73	81	80	80	77	76	72	67	82
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	1770	2	53	56	55	53	42	34	33	56	57	56	48	48	48	45	42	55
	5314	6	65	62	47	46	42	36	34	56	71	69	56	53	50	43	44	63
	8856	10	72	69	54	51	45	39	35	63	76	74	59	55	50	45	40	67
	10650	12	75	73	57	53	47	41	35	66	79	76	61	56	50	46	38	69
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	1770	2	49	51	48	38	27	<20	<20	47	53	51	41	33	33	30	27	45
	5314	6	61	57	40	31	27	21	<20	50	67	64	49	38	35	28	29	57
	8856	10	68	64	47	36	30	24	<20	57	72	69	52	40	35	30	25	62
	10650	12	71	68	50	38	32	26	<20	61	75	71	54	41	35	31	23	64
600x510	[m³/h]	[m/s]	GENERATED *															
	2205	2	57	54	52	58	59	58	48	64	66	70	66	67	68	70	67	75
	6610	6	69	63	63	65	64	60	53	70	76	70	72	71	69	69	66	77
	11016	10	72	70	65	68	66	62	56	72	81	77	76	75	74	72	68	81
	13200	12	73	74	66	69	67	63	57	74	83	81	78	77	76	73	69	83
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	2205	2	54	56	55	56	45	38	34	58	58	56	49	52	53	49	43	58
	6610	6	65	61	44	47	46	39	32	56	72	70	52	52	53	47	43	64
	11016	10	74	69	52	51	48	42	34	63	78	75	54	55	54	49	40	68
	13200	12	78	72	56	53	48	44	35	66	81	77	55	57	54	50	39	71
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	2205	2	50	51	48	41	30	23	<20	48	54	51	42	37	38	34	28	47
	6610	6	61	56	37	32	31	24	<20	50	68	65	45	37	38	32	28	58
	11016	10	70	64	45	36	33	27	<20	58	74	70	47	40	39	34	25	63
	13200	12	74	67	49	38	33	29	<20	61	77	72	48	42	39	35	24	65
600x610	[m³/h]	[m/s]	GENERATED *															
	2635	2	58	53	49	58	59	59	49	65	69	72	67	67	69	72	70	77
	7906	6	71	62	64	66	65	61	54	71	79	70	71	71	69	70	67	77
	13176	10	74	70	65	68	67	64	57	73	84	78	75	75	74	73	69	81
	15800	12	75	75	66	70	68	65	59	75	86	82	77	77	76	74	70	83
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	2635	2	56	57	56	58	45	39	34	60	59	56	48	52	54	50	42	59
	7906	6	67	61	43	47	47	39	32	56	73	71	49	51	53	46	42	64
	13176	10	76	69	52	52	48	43	34	64	79	76	51	55	54	49	38	69
	15800	12	81	73	57	54	49	46	36	68	82	78	52	57	55	50	36	71
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	2635	2	52	52	49	43	30	24	<20	49	55	51	41	37	39	35	27	47
	7906	6	63	56	36	32	32	24	<20	50	69	66	42	36	38	31	27	59
	13176	10	72	64	45	37	33	28	<20	59	75	71	44	40	39	34	23	64
	15800	12	77	68	50	39	34	31	21	63	78	73	45	42	40	35	21	66



Dim. WxH	Noise Table RPT / RPTI																	
	AirFlow rate	V	NOISE AT 200 Pa								NOISE AT 500 Pa							
			Frequency [Hz] and noise [dB]							Lw dB(A)	Frequency [Hz] and noise [dB]							Lw dB(A)
			125	250	500	1000	2000	4000	8000		125	250	500	1000	2000	4000	8000	
700x110	[m³/h]	[m/s]	GENERATED *															
	555	2	53	60	65	60	59	49	40	66	56	62	67	66	65	61	55	71
	1663	6	61	66	63	64	62	56	48	68	65	69	76	70	69	66	60	77
	2772	10	63	70	64	65	62	55	48	69	72	73	81	74	73	67	62	81
	3350	12	65	72	65	67	63	54	48	71	76	75	83	75	74	68	63	82
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	555	2	48	53	54	47	44	34	32	54	52	57	57	54	52	46	45	59
	1663	6	61	62	52	46	42	39	36	56	67	65	67	57	54	49	49	66
	2772	10	65	68	55	50	45	38	35	61	72	70	70	57	53	49	49	69
	3350	12	67	72	57	52	47	38	34	64	75	73	71	56	53	49	49	70
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	555	2	44	48	47	32	29	<20	<20	46	48	52	50	39	37	31	30	50
	1663	6	57	57	45	31	27	24	21	50	63	60	60	42	39	34	34	58
	2772	10	61	63	48	35	30	23	<20	55	68	65	63	42	38	34	34	62
	3350	12	63	67	50	37	32	23	<20	59	71	69	64	41	38	34	34	64
700x210	[m³/h]	[m/s]	GENERATED *															
	1060	2	52	57	58	58	58	53	45	63	58	63	64	64	66	64	58	71
	3175	6	63	68	63	63	62	57	51	68	63	59	70	68	69	67	61	75
	5292	10	66	71	68	67	66	60	54	72	72	76	78	73	73	70	65	80
	6350	12	67	73	70	69	67	61	56	74	74	78	80	75	75	70	66	82
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	1060	2	51	53	48	45	41	29	27	50	53	55	47	46	46	43	41	53
	3175	6	62	61	46	44	39	33	31	54	68	67	56	52	48	45	42	61
	5292	10	68	67	50	47	42	36	33	60	76	74	61	54	50	47	43	67
	6350	12	70	69	52	49	44	38	34	62	80	78	63	55	51	48	44	71
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	1060	2	47	48	41	30	26	<20	<20	43	49	50	40	31	31	28	26	44
	3175	6	58	56	39	29	24	<20	<20	49	64	62	49	37	33	30	27	55
	5292	10	64	62	43	32	27	21	<20	55	72	69	54	39	35	32	28	62
	6350	12	66	64	45	34	29	23	<20	57	76	73	56	40	36	33	29	66
700x310	[m³/h]	[m/s]	GENERATED *															
	1560	2	53	55	57	61	59	58	47	65	57	60	63	64	64	66	64	71
	4687	6	65	63	62	62	61	57	51	67	72	69	73	70	68	69	63	76
	7812	10	69	70	65	66	64	59	53	71	78	75	77	73	71	70	65	79
	9350	12	71	73	66	68	66	60	54	73	81	78	78	75	73	71	67	81
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	1560	2	50	54	56	54	49	42	33	58	53	58	60	63	63	54	45	67
	4687	6	62	60	47	47	49	45	34	56	70	67	60	57	61	57	48	66
	7812	10	70	67	53	51	51	45	34	61	76	73	61	59	62	59	49	69
	9350	12	74	71	55	53	51	45	35	65	79	76	61	59	62	59	50	71
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	1560	2	46	49	49	39	34	27	<20	48	49	53	53	48	48	39	30	55
	4687	6	58	55	40	32	34	30	<20	49	66	62	53	42	46	42	33	57
	7812	10	66	62	46	36	36	30	<20	55	72	68	54	44	47	44	34	62
	9350	12	70	66	48	38	36	30	<20	59	75	71	54	44	47	44	35	64



Dim. WxH	Noise Table RPT / RPTI																	
	AirFlow rate	V	NOISE AT 200 Pa								NOISE AT 500 Pa							
			Frequency [Hz] and noise [dB]							Lw	Frequency [Hz] and noise [dB]							Lw
			125	250	500	1000	2000	4000	8000		dB(A)	125	250	500	1000	2000	4000	
700x410	[m³/h]	[m/s]	GENERATED *															
	2065	2	57	57	56	58	59	54	44	64	66	72	69	68	69	68	63	75
	6199	6	67	65	64	66	65	59	52	70	74	71	74	72	71	69	65	78
	10332	10	70	71	66	68	66	61	54	72	78	77	78	75	74	71	66	81
	12400	12	71	74	66	69	67	61	55	73	81	80	81	77	76	72	67	83
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	2065	2	54	57	55	53	42	34	33	57	57	56	48	48	48	45	43	55
	6199	6	65	63	47	47	42	36	34	57	71	69	56	53	50	43	44	63
	10332	10	72	70	54	51	45	39	35	63	77	74	59	55	50	45	40	68
	12400	12	76	73	58	53	47	41	35	66	79	77	61	56	50	46	38	70
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	2065	2	50	52	48	38	27	<20	<20	48	53	51	41	3	33	30	28	45
	6199	6	61	58	40	32	27	21	<20	51	67	64	49	38	35	28	29	57
	10332	10	68	65	47	36	30	24	<20	58	73	69	52	40	35	30	25	62
	12400	12	72	68	51	38	32	26	<20	61	75	72	54	41	35	31	23	65
700x510	[m³/h]	[m/s]	GENERATED *															
	2570	2	57	54	52	59	59	58	48	65	66	70	67	67	68	70	67	75
	7711	6	69	63	64	66	65	60	54	71	77	71	72	71	70	70	66	77
	12852	10	72	71	66	68	67	63	56	73	81	78	76	75	74	72	68	81
	15400	12	73	75	67	70	68	64	58	75	84	81	78	77	76	73	69	83
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	2570	2	55	57	56	56	45	38	34	59	58	57	50	53	54	49	43	59
	7711	6	66	61	45	47	46	39	33	56	72	70	53	53	53	47	43	64
	12852	10	75	69	53	52	48	43	35	64	79	75	55	56	54	49	40	69
	15400	12	79	73	57	54	49	44	36	67	81	78	56	57	55	51	39	71
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	2570	2	51	52	49	41	30	23	<20	49	54	52	43	38	39	34	28	48
	7711	6	62	56	38	32	31	24	<20	50	68	65	46	38	38	32	28	58
	12852	10	71	64	46	37	33	28	<20	58	75	70	48	41	39	34	25	64
	15400	12	75	68	50	39	34	29	21	62	77	73	49	42	40	36	24	66
800x110	[m³/h]	[m/s]	GENERATED *															
	635	2	54	61	65	60	59	50	41	66	53	63	68	66	65	61	56	72
	1901	6	61	67	64	64	62	56	49	69	66	69	77	71	70	66	60	78
	3168	10	64	71	65	66	63	55	49	70	73	74	81	74	73	68	62	81
	3800	12	65	73	66	67	63	55	48	71	76	76	84	76	75	69	64	83
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	635	2	49	53	54	47	44	35	32	54	52	57	57	54	52	47	45	60
	1901	6	61	63	52	46	43	39	37	57	68	65	68	58	55	49	49	67
	3168	10	65	69	55	50	46	39	35	62	72	70	70	57	54	50	49	69
	3800	12	67	72	57	53	47	38	34	65	75	73	72	56	53	49	49	71
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	635	2	45	48	47	32	29	<20	<20	46	48	52	50	39	37	32	30	50
	1901	6	57	58	45	31	28	24	22	50	64	60	61	43	40	34	34	59
	3168	10	61	64	48	35	31	24	<20	56	68	65	63	42	39	35	34	62
	3800	12	63	67	50	38	32	23	<20	59	71	68	65	41	38	34	34	64



Dim. WxH	Noise Table RPT / RPTI																	
	AirFlow rate	V	NOISE AT 200 Pa								NOISE AT 500 Pa							
			Frequency [Hz] and noise [dB]							Lw dB(A)	Frequency [Hz] and noise [dB]							Lw dB(A)
			125	250	500	1000	2000	4000	8000		125	250	500	1000	2000	4000	8000	
800x210	[m³/h]	[m/s]	GENERATED *															
	1210	2	53	57	58	59	58	53	46	64	58	63	64	64	66	64	58	71
	3629	6	64	68	64	64	63	58	52	69	59	64	65	65	67	65	59	72
	6048	10	66	72	68	68	66	60	55	73	72	77	78	74	74	70	66	81
	7250	12	67	73	70	70	68	62	57	74	74	78	80	75	75	71	67	82
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	1210	2	51	53	49	46	41	29	28	51	54	55	48	47	46	44	41	54
	3629	6	63	62	46	44	40	33	31	55	68	68	57	53	49	46	43	62
	6048	10	68	67	50	48	43	37	34	60	76	75	61	55	50	47	44	68
	7250	12	71	73	52	50	44	38	35	63	80	78	63	56	51	48	44	71
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	1210	2	47	48	42	31	26	<20	<20	43	50	50	41	32	31	29	26	44
	3629	6	59	57	39	29	25	<20	<20	50	64	63	50	38	34	31	28	56
	6048	10	64	62	43	33	28	22	<20	55	72	70	54	40	35	32	29	63
	7250	12	67	65	45	35	29	23	<20	57	76	73	56	41	36	33	29	66
800x310	[m³/h]	[m/s]	GENERATED *															
	1785	2	54	55	57	62	59	59	48	66	58	60	63	65	65	66	64	72
	5357	6	65	63	62	63	62	58	51	68	72	69	74	71	69	69	63	77
	8928	10	69	70	65	67	65	59	53	71	79	75	77	74	72	70	66	81
	10700	12	71	74	66	69	66	60	54	73	82	78	79	75	74	71	67	81
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	1785	2	51	54	56	54	50	43	34	58	54	58	60	63	63	55	46	68
	5357	6	63	60	48	47	50	45	34	57	71	68	61	58	62	58	48	67
	8928	10	71	68	53	52	51	45	35	62	76	73	61	59	63	59	49	70
	10700	12	74	72	55	53	51	45	35	65	79	76	61	59	63	59	50	71
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	1785	2	47	49	49	39	35	28	<20	48	50	53	53	48	48	40	31	55
	5357	6	59	55	41	32	35	30	<20	49	67	63	54	43	47	43	33	58
	8928	10	67	63	46	37	36	30	<20	56	72	68	54	44	48	44	34	62
	10700	12	70	67	48	38	36	30	<20	60	75	71	54	44	48	44	35	64
800x410	[m³/h]	[m/s]	GENERATED *															
	2360	2	58	58	57	58	60	54	45	64	66	72	70	69	69	68	64	76
	7085	6	68	65	65	67	65	60	53	71	74	72	75	72	71	69	65	78
	11808	10	70	72	66	69	67	61	55	73	79	77	79	76	75	71	67	82
	14150	12	71	75	67	70	67	62	55	74	81	80	81	78	77	72	67	83
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	2360	2	54	57	56	53	43	34	34	57	58	57	49	49	49	46	43	56
	7085	6	66	63	48	47	43	37	34	57	72	70	56	53	50	43	44	64
	11808	10	73	70	54	51	46	40	35	64	77	75	60	55	50	45	41	68
	14150	12	76	74	58	54	47	41	36	67	80	77	62	56	50	46	39	70
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	2360	2	50	52	49	38	28	<20	<20	48	54	52	42	34	34	31	28	46
	7085	6	62	58	41	32	28	22	<20	51	68	65	49	38	35	28	29	58
	11808	10	69	65	47	36	31	25	<20	58	73	70	53	40	35	30	26	63
	14150	12	73	69	51	39	32	26	21	62	76	72	55	41	35	31	24	65



Dim. WxH	Noise Table RPT / RPTI																	
	AirFlow rate	V	NOISE AT 200 Pa								NOISE AT 500 Pa							
			Frequency [Hz] and noise [dB]							Lw	Frequency [Hz] and noise [dB]							Lw
			125	250	500	1000	2000	4000	8000		dB(A)	125	250	500	1000	2000	4000	
800x510	[m³/h]	[m/s]	GENERATED *															
	2940	2	58	55	53	59	60	59	48	65	67	71	67	68	69	71	68	76
	8813	6	70	63	64	66	65	61	54	71	77	72	73	72	70	70	67	78
	14688	10	73	72	66	69	68	63	57	74	82	78	77	75	74	72	68	81
	17650	12	74	76	67	70	69	64	58	75	84	81	78	77	76	73	69	83
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	2940	2	55	57	56	57	46	38	34	59	59	58	50	53	54	50	43	59
	8813	6	67	62	45	48	47	40	33	57	73	71	53	53	54	47	44	65
	14688	10	76	70	53	52	48	43	35	64	79	76	55	56	55	50	41	69
	17650	12	80	73	57	54	49	45	36	78	82	79	56	58	55	51	39	72
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	2940	2	51	52	49	42	31	23	<20	49	55	53	43	38	39	35	28	48
	8813	6	63	57	38	33	32	25	<20	51	69	66	46	38	39	32	29	59
	14688	10	72	65	46	37	33	28	<20	59	75	71	48	41	40	35	26	64
	17650	12	76	68	50	39	34	30	21	63	78	74	49	43	40	36	24	67
900x110	[m³/h]	[m/s]	GENERATED *															
	715	2	54	61	66	61	60	50	41	67	57	63	68	67	66	62	56	72
	2138	6	62	67	64	65	63	56	49	69	66	70	78	71	70	67	61	78
	3564	10	63	70	64	65	62	55	48	69	73	74	82	75	74	68	63	82
	4300	12	65	72	66	67	64	55	49	71	77	76	84	76	75	69	64	83
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	715	2	49	54	55	48	45	35	33	55	53	58	58	55	53	47	45	60
	2138	6	62	63	53	47	43	40	37	57	68	66	68	58	55	50	50	67
	3564	10	66	69	56	51	46	39	35	62	73	71	71	58	54	50	49	70
	4300	12	68	73	57	53	48	38	34	65	75	74	72	57	53	50	49	71
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	715	2	45	49	48	33	30	<20	<20	47	49	53	51	40	38	32	30	50
	2138	6	58	58	46	32	28	25	22	51	64	61	61	43	40	35	35	59
	3564	10	62	64	49	36	31	24	<20	56	69	66	64	43	39	35	34	63
	4300	12	64	68	50	38	33	23	<20	60	71	69	65	42	38	35	34	65
900x210	[m³/h]	[m/s]	GENERATED *															
	1360	2	53	58	59	59	59	54	46	64	58	64	65	65	67	65	58	72
	4082	6	64	69	64	64	63	58	52	69	64	70	71	68	69	68	62	75
	6804	10	67	72	69	68	67	61	55	73	73	77	79	74	74	71	66	81
	8150	12	68	74	71	70	68	62	57	75	75	79	80	76	76	71	67	82
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	1360	2	52	54	49	46	42	29	28	51	54	56	48	47	47	44	42	54
	4082	6	63	62	47	45	40	34	32	55	69	68	57	53	49	46	43	62
	6804	10	69	68	51	48	43	37	34	61	77	75	62	55	51	48	44	68
	8150	12	71	70	53	50	45	38	35	63	81	79	63	56	51	48	45	72
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	1360	2	48	49	42	31	27	<20	<20	44	50	51	41	32	32	29	27	45
	4082	6	59	57	40	30	25	<20	<20	50	65	63	50	38	34	31	28	56
	6804	10	65	63	44	33	28	22	<20	56	73	70	55	40	36	33	29	63
	8150	12	67	65	46	35	30	23	<20	58	77	74	56	41	36	33	30	67



Dim. WxH	Noise Table RPT / RPTI																	
	AirFlow rate	V	NOISE AT 200 Pa								NOISE AT 500 Pa							
			Frequency [Hz] and noise [dB]							Lw	Frequency [Hz] and noise [dB]							Lw
			125	250	500	1000	2000	4000	8000		dB(A)	125	250	500	1000	2000	4000	
900x310	[m³/h]	[m/s]	GENERATED *															
	2010	2	54	56	58	62	60	59	48	66	58	61	64	65	65	67	65	72
	6026	6	66	64	63	63	62	58	52	68	73	70	74	71	69	70	64	77
	10044	10	70	71	66	67	65	60	54	72	79	76	78	74	72	71	66	80
	12050	12	72	74	67	69	66	61	55	73	82	79	79	75	74	72	68	82
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	2010	2	51	55	57	55	50	43	34	59	54	59	60	64	64	55	46	68
	6026	6	63	61	48	48	50	46	34	57	71	68	61	58	62	58	48	67
	10044	10	71	68	54	52	52	46	35	62	77	74	62	60	63	60	50	70
	12050	12	75	72	56	54	52	45	35	66	80	76	61	60	63	60	50	71
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	2010	2	47	50	50	40	35	28	<20	49	50	54	53	49	49	40	31	55
	6026	6	59	56	41	33	35	31	<20	50	67	63	54	43	47	43	33	58
	10044	10	67	63	47	37	37	31	<20	56	73	69	55	45	48	45	35	63
	12050	12	71	67	49	39	37	30	<20	60	76	71	54	45	48	45	35	65
900x410	[m³/h]	[m/s]	GENERATED *															
	2655	2	58	58	57	59	60	55	45	65	67	73	70	69	70	69	64	76
	7970	6	68	66	65	67	66	60	53	71	75	72	75	73	72	70	66	79
	13284	10	71	72	67	69	67	62	55	73	79	78	79	76	75	72	67	82
	15950	12	72	76	67	70	68	62	56	75	82	81	81	78	77	73	68	84
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	2655	2	55	58	56	54	43	34	34	58	59	58	49	49	49	46	44	56
	7970	6	66	64	48	47	43	37	35	58	72	70	57	54	51	44	45	64
	13284	10	73	71	55	52	46	40	35	64	78	75	60	56	51	46	41	69
	15950	12	77	74	58	54	48	41	36	67	80	78	62	57	51	46	39	71
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	2655	2	51	53	49	39	28	<20	<20	49	55	53	42	34	34	31	29	47
	7970	6	62	59	41	32	28	22	<20	52	68	65	50	39	36	29	30	58
	13284	10	69	66	48	37	31	25	<20	59	74	70	53	41	36	31	24	66
	15950	12	73	69	51	39	33	26	21	62	76	73	55	42	36	31	24	66
1000x110	[m³/h]	[m/s]	GENERATED *															
	790	2	54	62	66	61	60	51	41	67	57	64	69	67	66	62	57	73
	2376	6	62	68	65	65	63	57	50	70	67	70	78	72	71	67	61	79
	3960	10	63	70	64	65	62	55	48	69	74	75	82	75	74	69	63	82
	4750	12	65	72	66	67	64	56	49	71	77	77	85	77	76	70	64	84
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	790	2	50	54	55	48	45	35	33	55	53	58	58	55	53	47	46	61
	2376	6	62	64	53	47	44	40	37	58	69	66	69	59	56	50	50	68
	3960	10	66	70	56	51	46	39	36	63	73	71	71	58	54	50	50	70
	4750	12	68	73	58	53	48	39	35	66	76	74	73	57	53	50	49	72
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	790	2	46	49	48	33	30	<20	<20	47	49	53	51	40	38	32	31	51
	2376	6	58	59	46	32	29	25	22	52	65	61	62	44	41	35	35	60
	3960	10	62	65	49	36	31	24	21	57	69	66	64	43	39	35	35	63
	4750	12	64	68	51	38	33	24	<20	60	72	69	66	42	38	35	34	65



Dim. WxH	Noise Table RPT / RPTI																	
	AirFlow rate	V	NOISE AT 200 Pa								NOISE AT 500 Pa							
			Frequency [Hz] and noise [dB]							Lw	Frequency [Hz] and noise [dB]							Lw
			125	250	500	1000	2000	4000	8000		dB(A)	125	250	500	1000	2000	4000	
1000x210	[m³/h]	[m/s]	GENERATED *															
	1510	2	54	58	59	60	59	54	47	65	59	65	66	66	68	66	59	73
	4536	6	65	69	65	65	64	59	52	70	70	75	76	72	72	71	65	79
	7560	10	67	73	69	69	67	61	56	74	73	78	80	75	75	71	67	82
	9050	12	68	74	71	71	69	63	57	75	75	79	81	76	76	71	68	83
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	1510	2	54	57	56	53	43	34	34	57	58	57	49	49	49	46	43	56
	4536	6	66	63	48	47	43	37	34	57	72	70	56	53	50	43	44	64
	7560	10	73	70	54	51	46	40	35	64	77	75	60	55	50	45	41	68
	9050	12	76	74	58	54	47	41	36	67	80	77	62	56	50	46	39	70
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	1510	2	48	49	43	32	27	<20	<20	44	51	52	42	33	32	30	27	46
	4536	6	60	58	40	30	25	<20	<20	51	66	64	51	39	34	31	28	57
	7560	10	65	63	44	34	28	22	<20	56	73	71	55	41	36	33	29	64
	9050	12	68	66	46	35	30	24	<20	58	77	74	57	42	37	34	30	67
1000x310	[m³/h]	[m/s]	GENERATED *															
	2230	2	55	56	58	63	60	60	49	67	59	61	64	66	66	67	65	73
	6696	6	66	64	63	64	63	59	52	69	73	70	75	72	70	70	64	78
	11160	10	70	71	66	68	66	60	54	72	80	76	78	75	73	71	67	81
	13400	12	72	75	68	70	67	61	55	74	83	79	80	76	75	72	68	82
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	2230	2	52	55	57	55	51	44	34	59	55	59	61	64	64	56	46	69
	6696	6	64	61	49	48	51	46	35	58	72	69	62	59	63	59	49	68
	11160	10	72	69	54	52	52	46	35	63	78	74	62	60	64	60	50	71
	13400	12	75	73	56	54	52	46	38	66	80	77	62	60	63	60	50	72
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	2230	2	48	50	50	40	36	29	<20	49	51	54	54	49	49	41	31	56
	6696	6	60	56	42	33	36	31	<20	50	68	64	55	44	48	44	34	59
	11160	10	68	64	47	37	37	31	<20	57	74	69	55	45	49	45	35	63
	13400	12	71	68	49	39	37	31	<20	61	76	72	55	45	48	45	35	65
1000x410	[m³/h]	[m/s]	GENERATED *															
	2950	2	59	59	58	59	61	55	46	65	67	73	71	70	70	69	65	77
	8856	6	69	66	66	68	66	61	54	72	75	73	76	73	72	70	66	79
	14760	10	71	73	67	70	68	62	55	74	80	78	80	77	76	72	68	83
	17700	12	72	76	68	71	68	63	56	75	82	81	82	79	78	73	68	84
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	2950	2	55	58	57	54	44	35	34	58	59	58	50	50	50	47	44	57
	8856	6	67	64	48	48	44	37	35	58	73	71	57	54	51	44	45	65
	14760	10	74	71	55	52	46	40	36	65	78	76	61	56	51	46	41	69
	17700	12	77	75	59	54	48	42	36	68	81	78	62	57	51	47	39	71
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	2950	2	51	53	50	39	29	<20	<20	49	55	53	43	53	53	52	29	47
	8856	6	63	59	41	33	29	22	<20	53	69	66	50	39	36	29	30	59
	14760	10	70	66	48	37	31	25	21	59	74	71	54	41	36	31	26	64
	17700	12	73	70	52	39	33	27	21	63	77	73	55	42	36	32	24	66



Dim. WxH	Noise Table RPT / RPTI																	
	AirFlow rate	V	NOISE AT 200 Pa								NOISE AT 500 Pa							
			Frequency [Hz] and noise [dB]							Lw dB(A)	Frequency [Hz] and noise [dB]							Lw dB(A)
			125	250	500	1000	2000	4000	8000		125	250	500	1000	2000	4000	8000	
1100x110	[m³/h]	[m/s]	GENERATED *															
	870	2	55	63	67	62	61	51	42	68	58	65	70	68	67	63	57	73
	2614	6	63	69	66	66	64	58	50	71	68	71	79	73	72	68	62	80
	4356	10	64	71	65	66	63	56	49	70	74	75	83	76	75	70	64	83
	5250	12	66	73	67	68	65	57	50	72	78	78	86	78	77	70	65	85
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	870	2	51	55	56	49	46	36	34	56	54	59	59	56	54	48	47	61
	2614	6	63	65	54	48	44	40	38	59	70	67	70	60	56	51	51	69
	4356	10	67	71	57	52	47	40	36	64	74	72	72	59	55	51	50	71
	5250	12	69	74	59	54	49	39	35	66	77	75	74	58	54	51	50	73
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	870	2	47	50	49	34	31	21	<20	48	50	54	52	41	39	33	32	52
	2614	6	59	60	47	33	29	25	23	53	66	62	63	45	41	36	36	61
	4356	10	63	66	50	37	32	25	21	58	70	67	65	44	40	36	35	64
	5250	12	65	69	52	39	34	24	<20	61	73	70	67	43	39	36	35	66
1100x210	[m³/h]	[m/s]	GENERATED *															
	1665	2	55	59	60	60	60	55	47	65	60	65	66	66	69	66	60	74
	4990	6	66	70	66	66	65	59	53	71	66	71	73	70	71	70	63	77
	8316	10	68	74	70	70	68	62	56	75	74	79	80	76	76	72	67	82
	10000	12	69	75	72	71	70	64	58	76	76	80	82	77	77	72	68	84
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	1665	2	53	55	51	47	43	30	29	53	56	58	50	49	48	45	43	56
	4990	6	65	64	48	46	41	35	32	57	70	70	58	54	50	47	44	64
	8316	10	70	69	52	49	44	38	35	62	78	77	63	56	52	49	45	70
	10000	12	73	72	54	51	46	39	36	65	82	80	65	57	52	49	45	73
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	1665	2	49	50	44	32	28	<20	<20	45	52	53	43	34	33	30	28	47
	4990	6	61	59	41	31	26	<20	<20	52	66	65	51	39	35	32	29	58
	8316	10	66	64	45	34	29	23	<20	57	74	72	56	41	37	34	30	65
	10000	12	69	67	47	36	31	24	21	60	78	75	58	42	37	34	30	68
1100x310	[m³/h]	[m/s]	GENERATED *															
	2455	2	56	57	59	64	61	61	49	68	59	62	65	67	67	68	66	74
	7366	6	67	65	64	64	63	60	53	69	74	71	76	72	70	71	65	78
	12276	10	71	72	67	69	66	61	55	73	81	77	79	75	74	72	68	81
	14750	12	73	76	68	71	68	62	56	75	84	80	81	77	76	73	69	83
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	2455	2	53	56	58	56	52	44	35	60	56	60	62	65	65	57	47	70
	7366	6	65	62	50	49	52	47	35	58	73	70	63	60	64	60	50	69
	12276	10	73	70	55	53	53	47	36	64	79	75	63	61	64	61	51	71
	14750	12	76	74	57	55	53	46	36	67	87	78	62	61	64	61	51	73
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	2455	2	49	51	51	41	37	29	<20	50	52	55	55	50	50	42	32	57
	7366	6	61	57	43	34	37	32	<20	51	69	65	56	45	49	45	35	60
	12276	10	69	65	48	38	38	32	21	58	75	70	56	46	49	46	36	64
	14750	12	72	69	50	40	38	31	21	62	77	73	55	46	49	46	36	66



Dim. WxH	Noise Table RPT / RPTI																	
	AirFlow rate	V	NOISE AT 200 Pa								NOISE AT 500 Pa							
			Frequency [Hz] and noise [dB]								Frequency [Hz] and noise [dB]							
			125	250	500	1000	2000	4000	8000	Lw dB(A)	125	250	500	1000	2000	4000	8000	Lw dB(A)
1200x110	[m³/h]	[m/s]	GENERATED *															
	950	2	56	63	68	63	62	52	42	69	58	65	71	69	68	64	58	74
	2851	6	64	69	66	67	65	58	51	71	68	72	80	73	72	69	62	80
	4752	10	65	71	66	67	64	56	49	71	75	76	84	77	75	70	64	84
	5700	12	66	73	67	69	65	57	51	73	79	78	86	78	77	71	66	85
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	950	2	51	56	57	50	46	36	34	57	55	60	60	57	55	49	47	62
	2851	6	64	65	55	48	45	41	38	59	70	68	70	60	57	51	51	69
	4752	10	68	71	58	52	48	40	36	64	75	73	73	59	56	51	51	72
	5700	12	70	75	59	55	49	40	35	67	78	76	74	59	55	51	50	73
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	950	2	47	51	50	35	31	21	<20	49	51	55	53	42	40	34	32	52
	2851	6	60	60	48	33	30	26	23	53	66	63	63	45	42	36	36	61
	4752	10	64	66	51	37	33	25	21	58	71	68	66	44	41	36	36	65
	5700	12	66	70	52	40	34	25	<20	62	74	71	67	44	40	36	35	67
1200x210	[m³/h]	[m/s]	GENERATED *															
	1815	2	55	60	61	61	61	56	48	66	60	66	67	67	69	67	60	74
	5443	6	66	71	66	66	65	60	54	71	66	72	73	70	71	70	63	77
	9072	10	69	74	71	70	69	63	57	75	75	80	81	76	76	73	68	83
	10900	12	70	76	73	72	70	64	59	77	77	81	83	78	78	73	69	85
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	1815	2	54	56	51	48	44	31	29	53	57	58	50	49	49	46	43	56
	5443	6	66	65	48	46	41	35	33	58	71	71	59	55	51	47	44	65
	9072	10	71	70	52	50	44	38	35	63	79	77	63	57	52	49	45	70
	10900	12	73	72	54	52	46	40	36	65	83	81	65	58	53	50	46	74
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	1815	2	50	51	44	33	2+9	<20	<20	46	53	53	43	34	34	31	28	47
	5443	6	62	60	41	31	26	<20	<20	53	67	66	52	40	36	32	29	59
	9072	10	67	65	45	35	29	23	<20	58	75	72	56	42	37	34	30	65
	10900	12	69	67	47	37	31	25	21	60	79	76	58	43	38	35	31	69
1200x310	[m³/h]	[m/s]	GENERATED *															
	2680	2	56	58	60	65	62	61	50	69	60	63	66	67	67	69	67	74
	8035	6	68	66	65	65	64	60	54	70	75	72	76	73	71	72	66	79
	13392	10	72	73	68	69	67	62	55	74	81	78	80	76	75	73	68	82
	16050	12	74	77	69	71	69	62	56	76	85	81	81	78	76	74	69	84
	[m³/h]	[m/s]	IRRADIATED NOT INSULATION VERSION *															
	2680	2	53	57	59	57	52	45	35	61	56	61	62	66	66	57	48	70
	8035	6	66	63	50	50	52	48	36	59	74	70	63	60	64	60	50	69
	13392	10	73	71	55	54	53	47	36	65	79	76	63	61	65	61	51	72
	16050	12	77	74	58	55	53	47	36	68	82	79	63	61	65	61	52	74
	[m³/h]	[m/s]	IRRADIATED EXTERNAL INSULATION VERSION *															
	2680	2	49	52	52	42	37	30	<20	51	52	56	55	51	51	42	33	57
	8035	6	62	58	43	35	37	33	21	52	70	65	56	45	49	45	35	60
	13392	10	69	66	48	39	38	32	21	59	75	71	56	46	50	46	36	65
	16050	12	73	69	51	40	38	32	21	62	78	74	56	46	50	46	37	67



Optional rectangular silencer

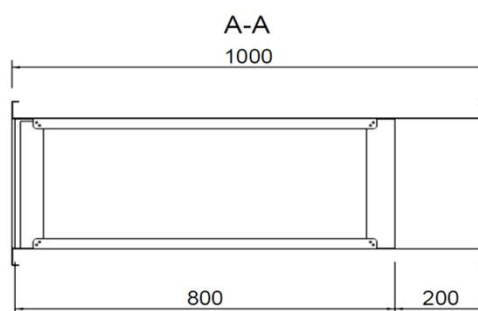
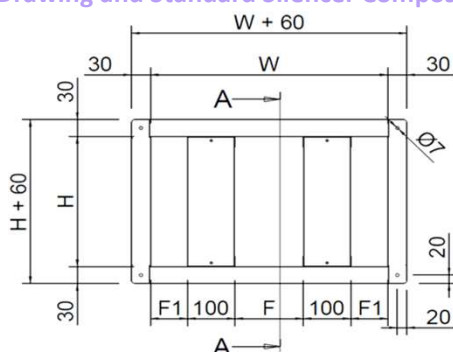
**Construction:**

- Execution made of Z200 galvanized steel;
- Casing thickness 1 mm;
- Length 1000 mm;
- Internal baffles thickness 0.8 mm;
- Baffles width 100 mm with round aero profiles in/out;
- Baffles length 800 mm, set back by 200 mm;
- Baffles lining with sound-absorbing material in mineral rock wool density 50 kg/m³, thickness 50mm (x2), with hygienic fabric according to VDI6022;

Note:

- For attenuation performance data, please refer to the online configurator (configure the silencers with L=800mm).

Dimensional Drawing and Standard Silencer Composition Table (size in mm, always referred to the inside of flanges)



Optional Silencer Composition Table

N° Baffles							Free airflow passage [mm]			
W \ H	110	210	310	410	510	610	E	Spaces	F	F1
200	1	1	1	1	1	1	200	2	0,0	2 x 50
250	1	1	1	1	1	1	250	2	0,0	2 x 75
300	1	1	1	1	1	1	300	2	0,0	2 x 100
350	1	1	1	1	1	1	350	2	0,0	2 x 125
400	2	2	2	2	2	2	400	3	1 x 100	2 x 50
450	2	2	2	2	2	2	450	3	1 x 125	2 x 62,5
500	2	2	2	2	2	2	500	3	1 x 150	2 x 75
550	2	2	2	2	2	2	550	3	1 x 175	2 x 87,5
600	3	3	3	3	3	3	600	4	2 x 150	2 x 75
650	3	3	3	3	3		650	4	2 x 175	2 x 87,5
700	3	3	3	3	3		700	4	2 x 200	2 x 100
750	3	3	3	3	3		750	4	2 x 225	2 x 112,5
800	4	4	4	4	4		800	5	3 x 100	2 x 50
850	4	4	4	4			850	5	3 x 112,5	2 x 56,25
900	4	4	4	4			900	5	3 x 125	2 x 62,5
950	4	4	4	4			950	5	3 x 137,5	2 x 68,75
1000	5	5	5	5			1000	6	4 x 100	2 x 50
1050	5	5	5				1050	6	4 x 110	2 x 55
1100	6	6	6				1100	7	5 x 83,3	2 x 41,7
1150	6	6	6				1150	7	6 x 91,7	2 x 45,8
1200	6	6	6				1200	7	6 x 100	2 x 50

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DA DNV
ISO 14001



CLA & UTEK reserves the right to make any necessary changes at any time to improve the products, without prior notice.