

Engine Exhaust Silencers

A wide range of silencers to address many applications



IAC Acoustics

Making the World a Quieter Place

Founded on an unrivalled history of engineering with some of the most pioneering discoveries in the industry, the IAC Acoustics brand is synonymous with technological innovation.

From controlling noise at a power station to tuning the sound in a TV or radio studio, IAC Acoustics has had a positive impact on society and helped to shape what can be achieved to make speech more intelligible, music more enjoyable, reduce the impact of industrial noise and protect people's sense of hearing.

The continual success of our products and services over the decades has brought the brand a reputation for quality and reliability among customers, whether they are multinational corporations or independent family businesses. This is supported by the expertise and passion of our workforce, the people behind the products, including designers, engineers and industry specialists.

To face the ever increasing noise reduction demands of the future, we will strive to further enhance our ability to reduce excessive noise. We aim to focus on developing tomorrow's solution today, innovating faster and delivering solutions that meet the requirements of the next generation. In doing so, we will stay true to our key values and founding philosophy to make the world a quieter place.

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Markets



Power Plants



Cogeneration



UPS (Uninterruptible Power Systems)



Emergency Supply



Industrial Applications



Data Centres



Marine Applications

Applications

Our **engine exhaust silencers** are designed to reduce the exhaust noise of both diesel and gas internal combustion engines.

Designs

- Cylindrical silencers
- Box silencers
- Hockey puck (other shapes available)
- Catalytic silencers
- Spark arrestors
- Other shapes and functionalities available on demand

Material

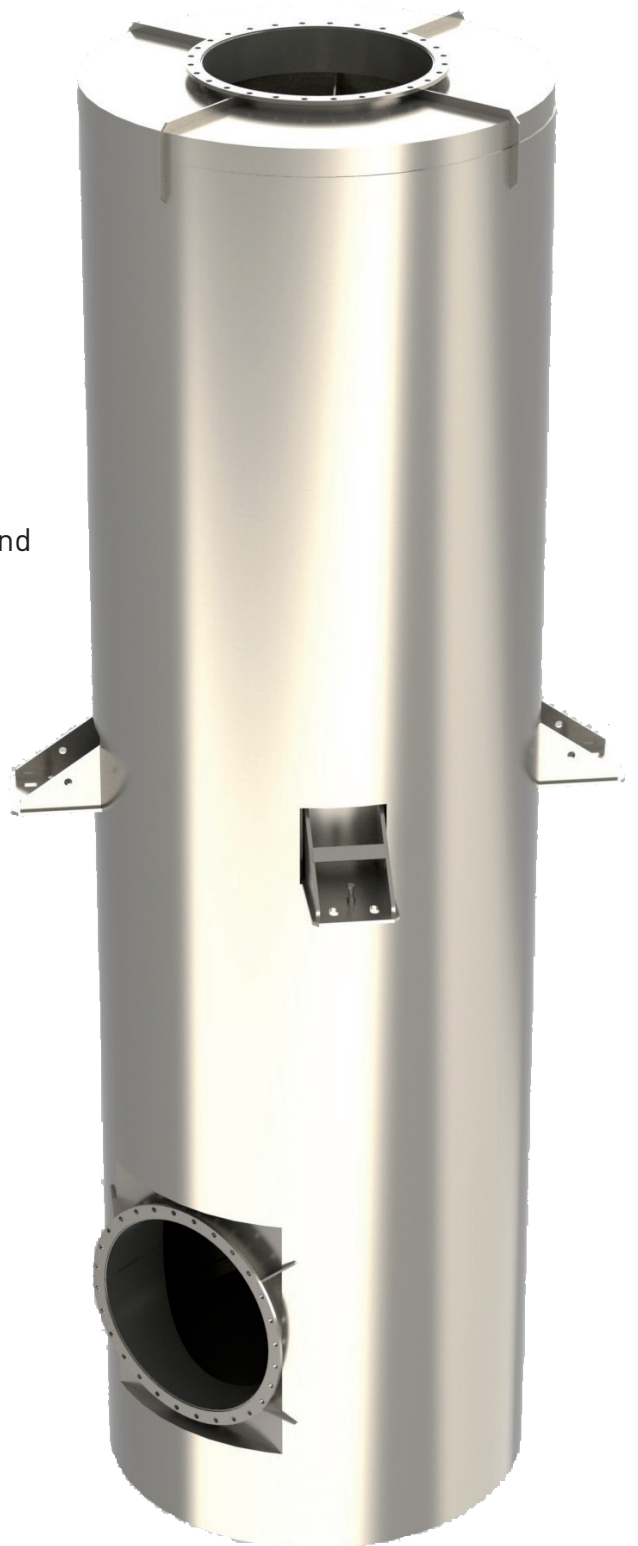
- Carbon steel
- Stainless steel
- Other grade available on demand

Applications

- Power plants
- Data centres
- Cogeneration plants
- Biogas and waste to heat plants
- Emergency supplies
- Marine
- Engine test beds
- Railways
- Any operation with reciprocating engines

Key factors

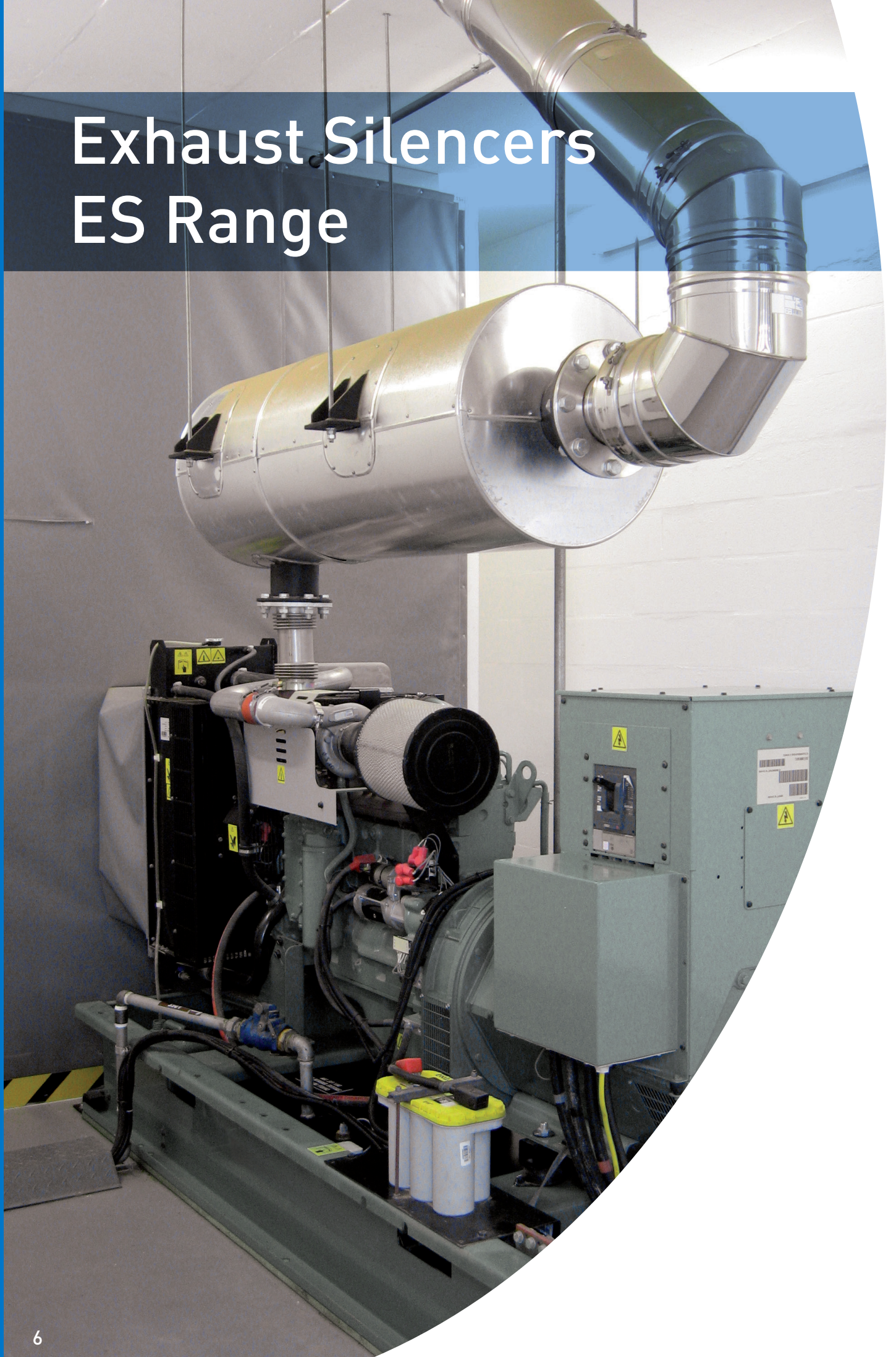
- Performance guarantee from 10 up to 50 dB(A) and more
- Wide range of aerodynamic performance
- Ability to reduce exhaust surface temperature
- IAC Acoustics offer adaptable products that take into account specific requirements such as nuclear environments and ATEX



Acoustic expertise and competencies enable IAC Acoustics to propose optimised solutions.

Exhaust Silencers

ES Range



ES15

Noise reduction range: 15 - 20 dB (A)

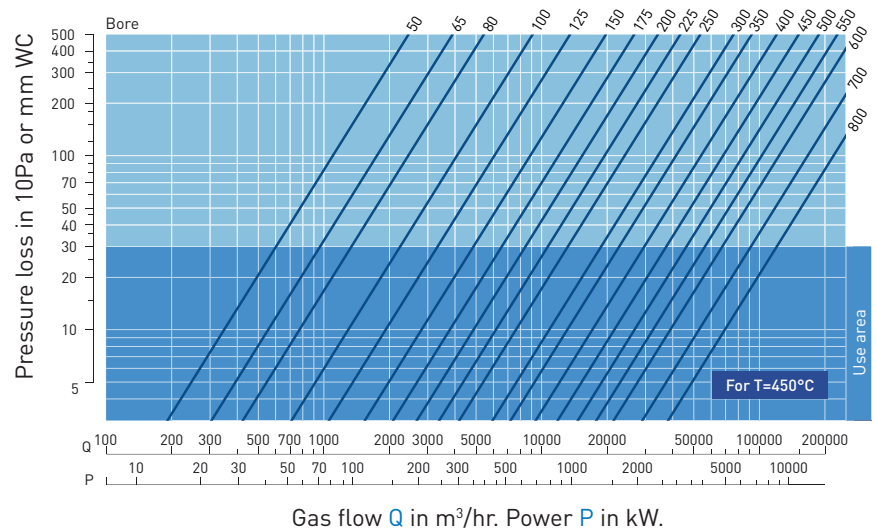
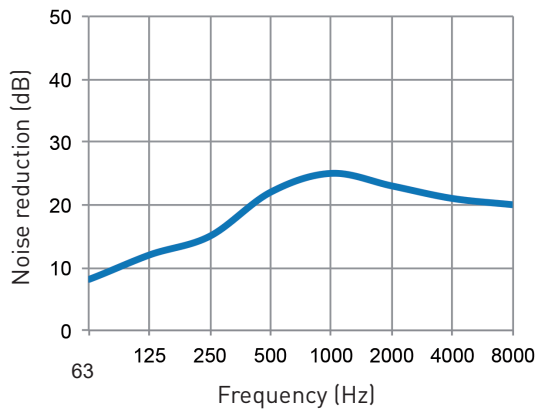
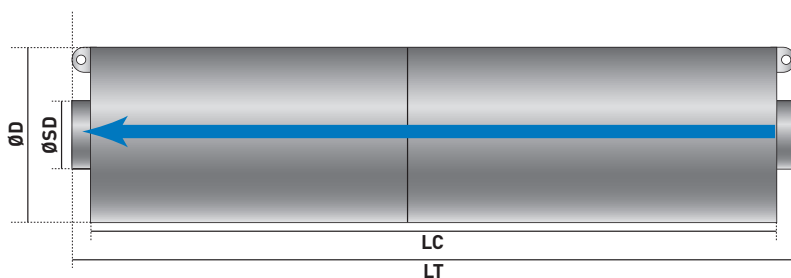


Table of Dimensions

Ø BORE	ØSD	ØD	LT	LC	Weight
50	60	160	456	356	4
65	76	160	556	456	4
80	89	200	651	551	8
100	114	200	767	667	9
125	140	250	876	776	16
150	168	300	1087	957	26
175	194	300	1206	1086	27
200	219	350	1345	1215	36
225	246	400	1534	1314	49
250	274	450	1720	1500	57
300	324	500	1900	1680	80
350	356	550	2165	1925	109
400	406	650	2446	2206	169
450	457	750	2700	2460	288
500	508	850	2930	2670	317
550	557	950	3120	2850	435
600	609	1100	3120	2820	557
700	710	1200	3575	3275	704
800	812	1300	3900	3600	875

Options: flanges, counter-flanges, gaskets and bolts



These figures are indicative.
Dimensions are given in mm.
Weight in kg.

Dimensions are given without flanges, add 5 mm for each welded flange. Tolerance on length below 400 mm ± 4 mm.

Above characteristics are given for end inlet and end outlet arrangement.
Other arrangements available upon request.

ES25

Noise reduction range: 20 - 27 dB (A)

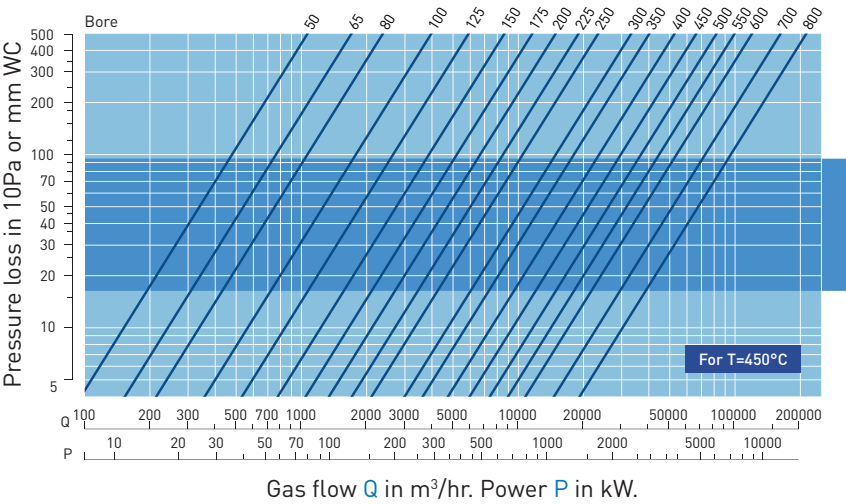
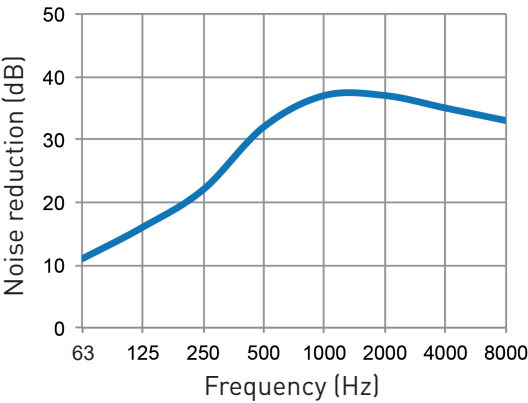
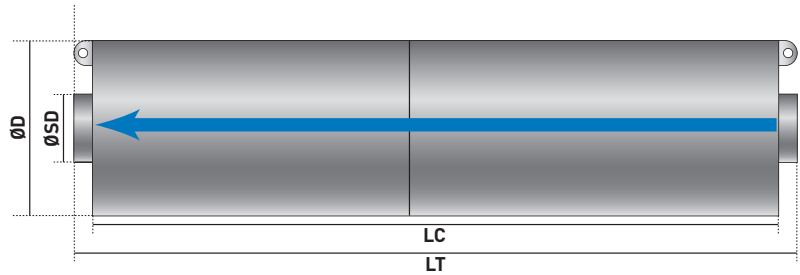


Table of Dimensions

Ø BORE	ØSD	ØD	LT	LC	Weight
50	60	160	456	356	4
65	76	160	556	456	4
80	89	200	651	551	9
100	114	200	767	667	11
125	140	250	876	776	18
150	168	300	1087	957	29
175	194	300	1206	1086	30
200	219	350	1345	1215	42
225	246	400	1534	1314	56
250	274	450	1720	1500	67
300	324	500	1900	1680	92
350	356	550	2165	1925	125
400	406	650	2446	2206	190
450	457	750	2700	2460	314
500	508	850	2930	2670	377
550	557	950	3120	2850	488
600	609	1100	3120	2820	682
700	710	1200	3575	3275	857
800	812	1300	3900	3600	1106

Options: flanges, counter-flanges, gaskets and bolts



These figures are indicative.
Dimensions are given in mm.
Weight in kg.

Dimensions are given without flanges, add 5 mm for each welded flange. Tolerance on length below 400 mm ± 4 mm.

Above characteristics are given for end inlet and end outlet arrangement.
Other arrangements available upon request.

ES30

Noise reduction range: 28 - 33 dB (A)

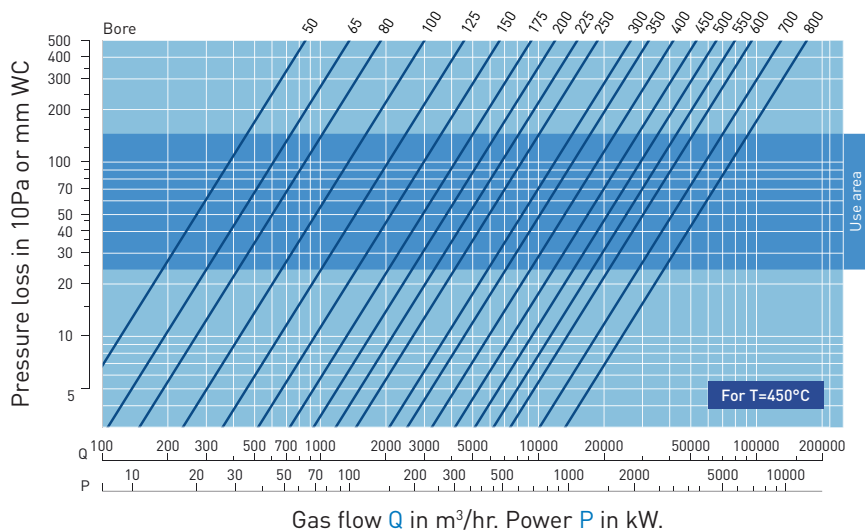
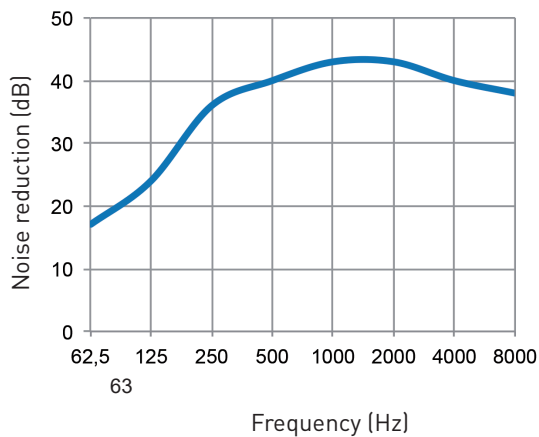
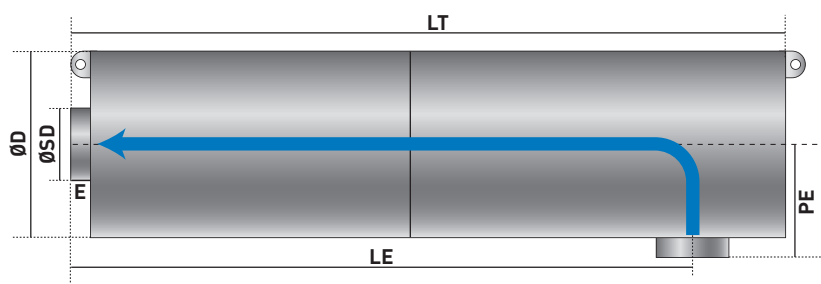


Table of Dimensions

Ø BORE	ØSD	ØD	LT	LE	E	PE	Weight
50	60	180	560	440	70	165	7
65	76	200	740	590	70	175	10
80	89	250	900	710	70	210	16
100	114	300	1100	880	85	230	26
125	140	400	1250	1025	100	300	43
150	168	450	1540	1250	100	330	69
175	194	500	1750	1440	110	330	88
200	219	550	2050	1670	110	375	115
225	246	600	2300	1880	110	405	149
250	274	650	2650	2260	110	450	187
300	324	750	2980	2500	110	475	255
350	356	850	3350	2850	120	550	334
400	406	900	3850	3300	120	575	486
450	457	1000	4300	3670	120	625	720
500	508	1100	4750	4045	130	685	900
550	557	1200	4950	4175	135	740	1042
600	609	1300	5200	4370	145	800	1246
700	710	1500	6000	5150	150	905	1716
800	812	1600	6850	5650	165	975	2342

Options: flanges, counter-flanges, gaskets and bolts



These figures are indicative.
Dimensions are given in mm.
Weight in kg.

Dimensions are given without flanges, add 5 mm for each welded flange. Tolerance on length below 400 mm ± 4 mm.

Above characteristics are given for side inlet and end outlet arrangement.
Other arrangements available upon request.

ES40

Noise reduction range: 34 - 44 dB (A)

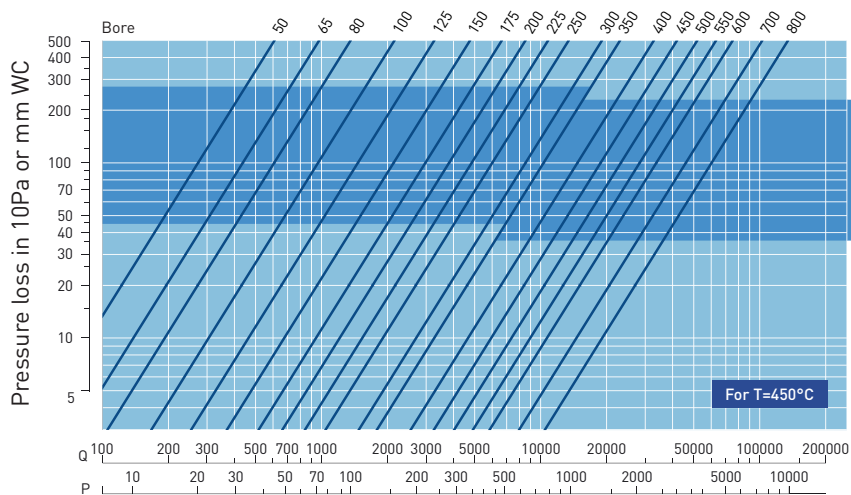
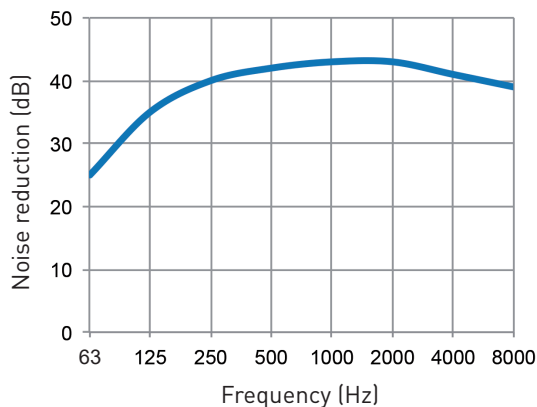
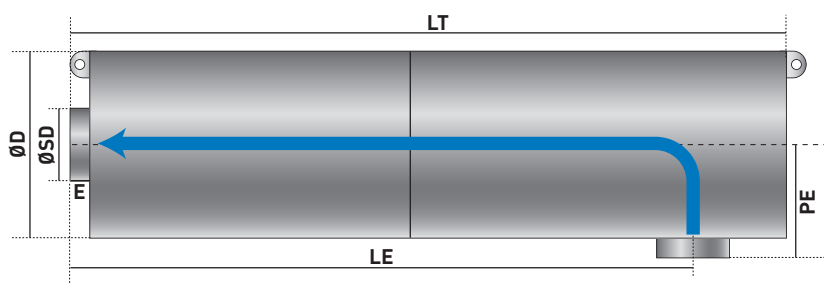


Table of Dimensions

Ø BORE	ØSD	ØD	LT	LE	E	PE	Weight
50	60	300	890	760	70	225	23
65	76	350	1100	970	70	250	36
80	89	400	1255	1080	70	275	47
100	114	450	1440	1260	70	300	60
125	140	450	1755	1550	100	330	76
150	168	600	2065	1795	100	405	145
175	194	600	2210	1945	110	415	175
200	219	650	2600	2305	110	440	225
225	246	700	2800	2430	110	465	260
250	274	750	3125	2700	110	490	340
300	324	800	3505	3060	110	525	415
350	356	900	3500	3115	120	575	583
400	406	950	3895	3465	120	600	672
450	457	1000	4295	3825	130	635	828
500	508	1100	4590	4100	130	685	1009
550	557	1200	4680	4175	140	745	1192
600	609	1200	4920	4375	150	760	1307
700	710	1500	5435	4765	150	910	1979
800	812	1600	5900	5180	170	975	2315

Options: flanges, counter-flanges, gaskets and bolts



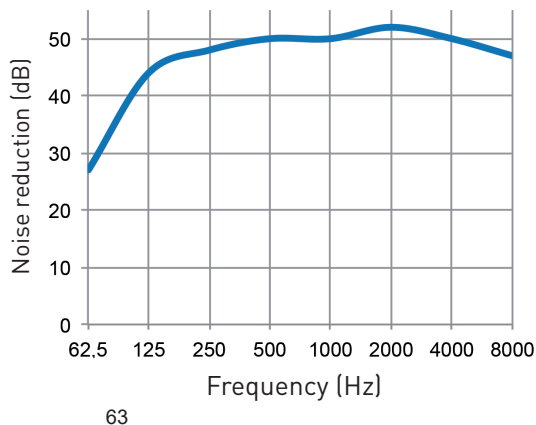
These figures are indicative.
Dimensions are given in mm.
Weight in kg.

Dimensions are given without flanges, add 5 mm for each welded flange. Tolerance on length below 400 mm ± 4 mm.

Above characteristics are given for side inlet and end outlet arrangement.
Other arrangements available upon request.

ES50

Noise reduction range: 45 - 50 dB (A)



63

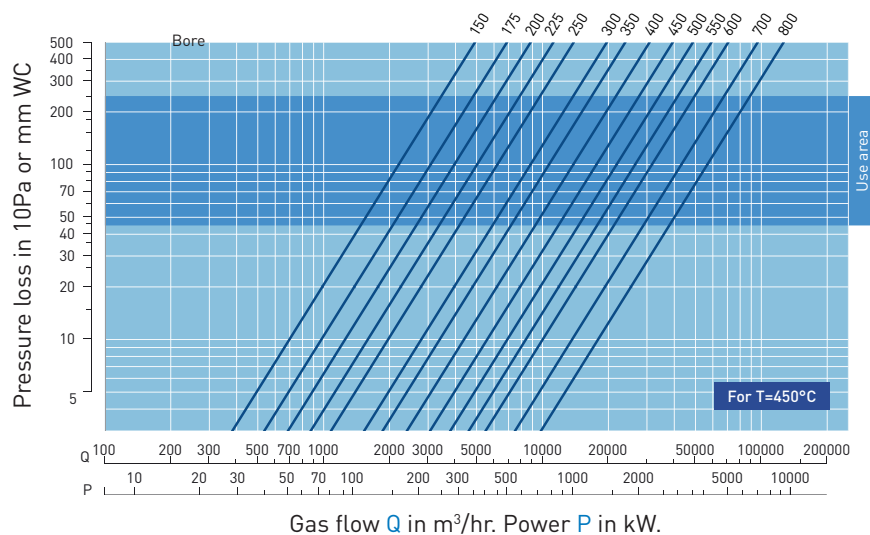
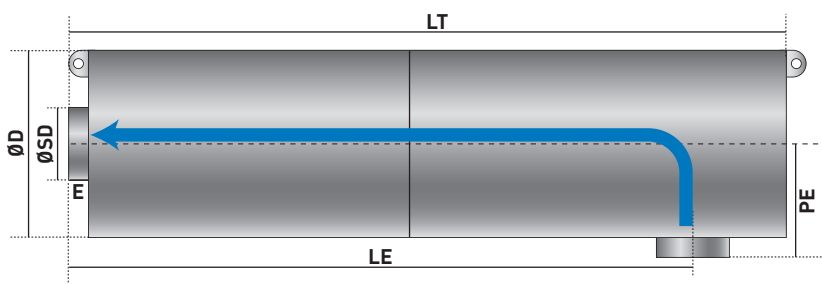


Table of Dimensions

Ø BORE	ØSD	ØD	LT	LE	E	PE	Weight
150	168	650	2550	2285	110	415	260
175	194	650	2800	2505	110	440	280
200	220	700	3000	2630	110	465	330
225	246	750	3200	2775	110	490	380
250	274	800	3400	2955	110	525	430
300	324	900	4300	3915	120	575	690
350	356	950	4500	4070	120	600	750
400	406	1000	4800	4330	120	620	860
450	457	1000	5130	4640	130	630	965
500	508	1100	5300	4810	130	685	1110
550	557	1200	5505	4860	140	755	1450
600	609	1300	5800	5255	150	760	1780
700	710	1500	6300	5585	150	905	2230
800	812	1600	6600	5785	170	975	2540

Options: flanges, counter-flanges, gaskets and bolts



These figures are indicative.
Dimensions are given in mm.
Weight in kg.

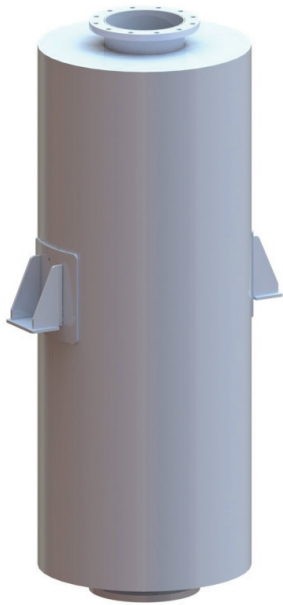
Dimensions are given without flanges, add 5 mm for each welded flange. Tolerance on length below 400 mm ± 4 mm.

Above characteristics are given for side inlet and end outlet arrangement.
Other arrangements available upon request.

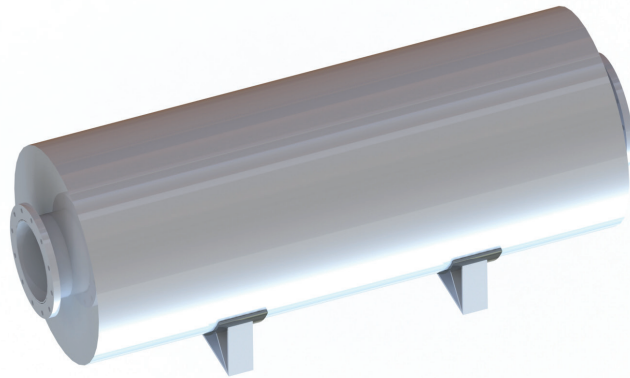
Optional Equipment



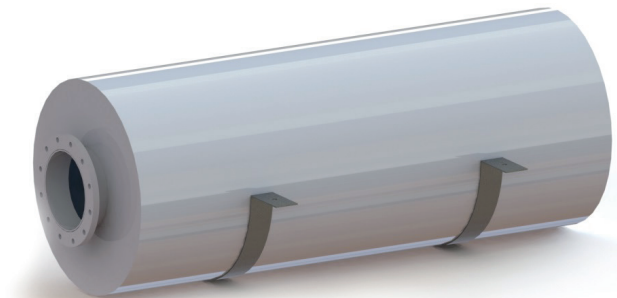
Add-ons



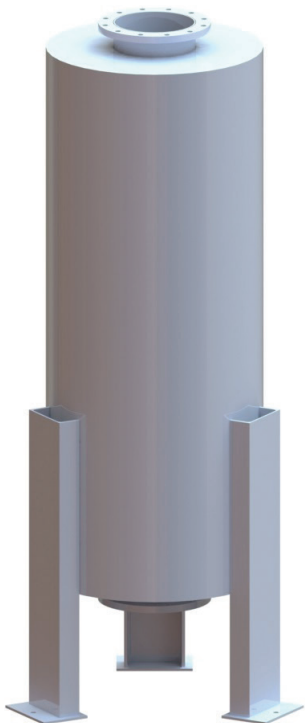
Vertical supports



Horizontal supports



Horizontal supports



Vertical supports

OPTIONAL FEATURES

- Catalysts
- Integrated spark arrestors
- Special outdoor protection (metal spray...)
- Other material (stainless steel, corten steel...)
- Flanges, counter-flanges, gaskets, bolts
- Supports
- SCR System

For any special equipment, please contact IAC Acoustics.

Contacts

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The background is a solid blue color. Overlaid on this are several concentric, slightly irregular oval shapes in a lighter shade of blue. These shapes are centered roughly in the middle of the frame and expand outwards towards the top and right edges, creating a sense of depth and movement. The top-left corner of the image is cut off by a white diagonal line.

making the world a quieter place

