

Technical datasheet silencer

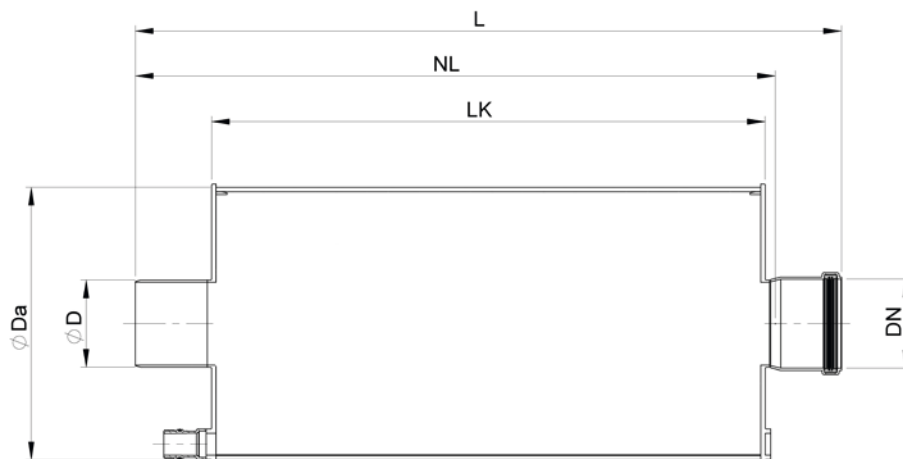
Reflection (RXS), double-tube reflection (DXS) and absorption silencers (ASD) in various attenuation classes.



Silencer	ASD-15*	ASD-17	RXS-1136	DXS-1135	ASD-FL 25
Article number	3080175	3080174	3080176	3080230	3020270
Technical data					
Material	PP	PP	PP	PP	ES
Attenuation class in dB (DK)	25	35	-	-	25
Length of attenuation element in mm (LK)	500	750	1300	1300	1000
Useful length in mm (NL)	588	838	1380	1380	1220
Total length in mm (L)	648	898	1440	1440	1220
External diameter in mm (Da)	250	250	250	250	300
Exhaust inlet in mm (D)	80	80	80	80	80
Exhaust outlet in mm (DN)	80	80	80	80	80
Total weight in kg	5,9	7,7	5,5	5,5	25
Resistance coefficient	0,1	0,1	22,4	11,2	0,2
Suitable for neoTower® Yanmar series	2.0 - 50.0 cv ¹	2.0 - 50.0 cv	2.0 - 12.5	17.0 - 30.0	50.0 s/ht
Suitable for neoTower® Toyota series	5.0, 7.2, 11.0, 16.0, 20.0	5.0, 7.2, 11.0, 16.0, 20.0	5.0, 7.2, 11.0, 16.0, 20.0	/	/

* Special solution

(1) not suitable for neoTower® 50.0 s/ht!



Comment:

Further information is available on request from: technischer_vertrieb_rmb@yanmar.com

Technical details

ASD, RXS & DXS:

- Silencer made of polypropylene plastic (PP) black
- Hydrophobic rock wool filling with ASD
- Standard DN 80 connections suitable for ATEC PolyTop
- Max. exhaust gas temperature 100 °C
- Overpressure-tight up to 5000 Pa
- Horizontal or vertical mounting position
- Ball siphon 200 mm seal water height
- Siphon outlet D40 HT
- Additional condensate drain incl. siphon included (RXS/DXS)
- Fastening set included

ASD-FL 25

- Material stainless steel (ES 1.4404)
- Hydrophobic rock wool filling
- Connections aluminium loose flange PN 10 (DIN 2642)
- Max. exhaust gas temperature 200 °C
- Overpressure-tight up to 5000 Pa
- Mounting set D300 ceiling (with spring hanger)
- Condensate drain ¾" OT incl. screw plug
- Horizontal or vertical mounting position
- 1 pc. flange gasket DN80 PN 10-40 2 mm
- 8 pc. hexagon screw M16 galvanised DIN 93
- 8 pc. washer M16 galvanised DIN 125
- 8 pc. spring washer M16 galvanised DIN 127
- 8 pc. hexagon nut M16 galvanised DIN 934
- With horizontal installation position, order siphon separately

Insertion loss De in dB(A) in the individual third-octave frequencies F [Hz]

Typ	ASD-15	ASD-17	RXS-1136	RXS-1136 + ASD-17	DXS-1135	DXS-1135 + ASD-17	ASD-FL 25
F [Hz]	De dB(A)	De dB(A)	De dB(A)	De dB(A)	De dB(A)	De dB(A)	De dB(A)
25	3	3	-	6	7	9	1
31,5	3	4	-	8	7	10	2
40	4	5	3	14	14	16	3
50	4	6	16	19	22	25	5
63	6	7	1	18	15	17	6
80	7	10	11	26	14	16	9
100	9	13	29	41	29	32	12
125	12	16	18	28	14	16	16
160	15	21	15	27	17	20	21
200	18	26	12	32	12	15	26
250	22	32	9	29	11	14	31
315	27	39	13	29	6	9	36
400	32	45	12	30	8	10	42
500	39	45	6	30	11	14	45
630	45	45	4	24	11	14	45
800	45	45	7	18	9	11	45
1000	45	45	6	25	13	16	45
1250	45	45	5	29	14	18	45
1600	45	45	-	18	10	14	45
2000	45	45	-	18	7	10	45
2500	45	45	-	15	6	10	45
3150	45	45	-	10	6	10	45
4000	45	45	-	10	11	14	45
5000	45	45	-	9	11	13	45
6300	40	45	-	9	11	12	45
8000	22	35	-	6	12	12	45

Comment:

The limiting attenuation restricts the maximum achievable insertion loss. This is because at high levels, instead of being reduced in the attenuating material, the sound is partly emitted via secondary paths, such as the silencer housing or the connection line. Limiting attenuation here at least 45 dB(A).

Please note the information on the subject of exhaust gas/exhaust air and on mounting in our **download area**.