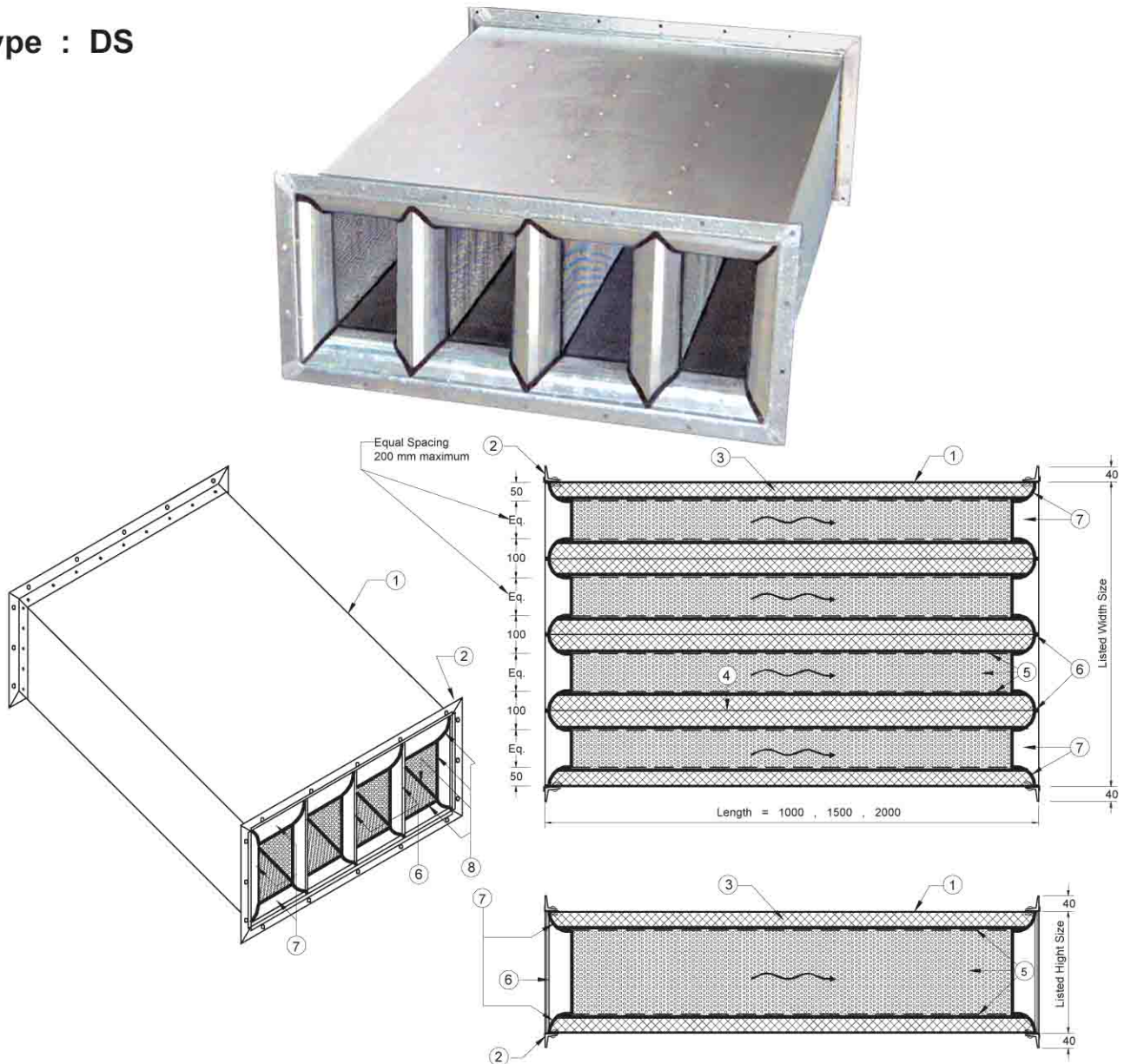


Duct Silencer

Type : DS



Constructed of galvanized steel sheet, rectangular shaped, high strength structure, flange type. All inside casing as well as flat panel baffle(s) are lined by fiberglass insulation 48 kg/m³ dense, 50 mm thick with glass cloth facing and covered with perforated galvanized steel sheet for protecting all fiberglass surfaces from erosion. Both ends of flat panel baffle(s) and all edges of fiberglass at entrance and exit of duct silencer are covered with galvanized steel sheet for protecting all fiber glass edges. All joints of perforated galvanized steel sheets, all joints between solid rounded noses, solid bell mouths and perforated galvanized steel sheets are sealed by silicone sealant to further ensure full protection of all fiberglass edges. High Dynamic Insertion Loss, Low Static Pressure Drop with Test Certificate in accordance with Standards Australia (AS), AS 1277. Suitable for mounting to rectangular duct line or generator set room sidewall for noise reduction from its noise source effectively.

FEATURES

- ① Casing, constructed of galvanized steel sheet.
- ② Flanges, constructed of steel angle bar, riveted to casing and attached to small flange formed from the casing edge to ensure rigidity and without leakage.
- ③ Internal liner, all inside casing are lined by fiberglass insulation 48 kg/m³ dense, 50 mm thick with glass cloth facing.
- ④ Acoustic Flat Panel Baffle(s), constructed of galvanized steel sheet covered with fiberglass insulation 48 kg/m³ dense, 50 mm thick with glass cloth facing around the galvanized steel sheet. The width of acoustic flat panel baffle(s) spacing for air passages in range of 125-175 mm
- ⑤ Perforated Sheets, all surfaces of fiberglass with glass cloth facing are covered by perforated galvanized steel sheet for protecting all fiberglass surfaces from erosion.
- ⑥ Solid Rounded Noses, both ends of acoustic flat panel baffle(s) are covered with galvanized steel sheet as solid rounded noses for protecting all fiberglass edges and increasing noise reduction.
- ⑦ Solid Bell Mouths, all edges of fiberglass at entrance and exit of rectangular duct silencer are covered with galvanized steel sheet as solid bell mouths for protecting all fiberglass edges and minimizing air turbulence.
- ⑧ Silicone Sealants, sealed all joints of perforated galvanized steel sheets, all joints between solid rounded noses, solid bell mouths and perforated galvanized steel sheets to further ensure full protection of all fiberglass edges.

(Measurement : mm)

Duct Silencer

Type : DS

Dynamic Insertion Loss Data

Length m (ft)	Outlet Velocity MPS (FPM)	Octave Band Centre Frequency - Hz							
		63	125	250	500	1000	2000	4000	8000
		Dynamic Insertion Loss - dB							
1.0 (3.28)	3.409 (671)	1	8	12	28	37	35	22	17
	5.682 (1119)	2	8	11	27	36	34	22	17
	7.955 (1566)	1	8	11	27	36	34	21	17
1.5 (4.92)	3.409 (671)	4	10	18	41	44	45	32	25
	5.682 (1119)	4	11	17	42	43	44	33	25
	7.955 (1566)	4	11	18	41	44	44	32	25
2.0 (6.56)	3.409 (671)	5	13	24	47	46	48	38	31
	5.682 (1119)	5	12	24	47	46	48	39	32
	7.955 (1566)	5	13	23	46	47	48	39	32

Duct Silencer

Type : DS

Performance Data

Listed Size		Outlet Velocity MPS (FPM)	3 (591)	4 (787)	5 (984)	6 (1181)	7 (1378)	8 (1575)
mm (Ak - m ²)	inches (Ak - ft ²)	Length - m (ft)	Static Pressure Drop, Ps - Pa (in.wg.)					
		1.0 (3.28)	0.0 (0.000)	0.3 (0.001)	0.7 (0.003)	1.1 (0.004)	1.6 (0.006)	2.0 (0.008)
		1.5 (4.92)	0.0 (0.000)	1.2 (0.005)	2.3 (0.009)	3.3 (0.013)	4.2 (0.017)	5.0 (0.020)
		2.0 (6.56)	0.6 (0.002)	1.8 (0.007)	3.5 (0.014)	5.8 (0.023)	8.7 (0.035)	12.2 (0.049)
450 x 450 (0.088)	18" x 18" (0.947)	CMS (CFM)	0.264 (560)	0.352 (745)	0.440 (932)	0.528 (1118)	0.616 (1305)	0.704 (1492)
600 x 300 (0.080)	24" x 12" (0.861)	CMS (CFM)	0.240 (509)	0.320 (678)	0.400 (847)	0.480 (1017)	0.560 (1186)	0.640 (1356)
700 x 400 (0.120)	28" x 16" (1.292)	CMS (CFM)	0.360 (764)	0.480 (1017)	0.600 (1271)	0.720 (1526)	0.840 (1780)	0.960 (2035)
800 x 400 (0.150)	32" x 16" (1.615)	CMS (CFM)	0.450 (954)	0.600 (1271)	0.750 (1589)	0.900 (1907)	1.050 (2225)	1.200 (2544)
800 x 500 (0.200)	32" x 20" (2.153)	CMS (CFM)	0.600 (1272)	0.800 (1694)	1.000 (2119)	1.200 (2543)	1.400 (2967)	1.600 (3391)
900 x 500 (0.200)	36" x 20" (2.153)	CMS (CFM)	0.600 (1272)	0.800 (1694)	1.000 (2119)	1.200 (2543)	1.400 (2967)	1.600 (3391)
900 x 600 (0.250)	36" x 24" (2.691)	CMS (CFM)	0.750 (1590)	1.000 (2118)	1.250 (2648)	1.500 (3178)	1.750 (3708)	2.000 (4238)
1000 x 500 (0.240)	40" x 20" (2.583)	CMS (CFM)	0.720 (1527)	0.960 (2033)	1.200 (2542)	1.440 (3051)	1.680 (3559)	1.920 (4068)
1000 x 600 (0.300)	40" x 24" (3.229)	CMS (CFM)	0.900 (1908)	1.200 (2541)	1.500 (3177)	1.800 (3813)	2.100 (4450)	2.400 (5086)
1000 x 750 (0.390)	40" x 30" (4.198)	CMS (CFM)	1.170 (2481)	1.560 (3304)	1.950 (4131)	2.340 (4958)	2.730 (5785)	3.120 (6612)
1100 x 600 (0.350)	44" x 24" (3.767)	CMS (CFM)	1.050 (2226)	1.400 (2965)	1.750 (3707)	2.100 (4449)	2.450 (5191)	2.800 (5933)
1100 x 750 (0.455)	44" x 30" (4.898)	CMS (CFM)	1.365 (2895)	1.820 (3855)	2.275 (4820)	2.730 (5785)	3.185 (6749)	3.640 (7714)
1100 x 900 (0.560)	44" x 36" (6.028)	CMS (CFM)	1.680 (3563)	2.240 (4744)	2.800 (5932)	3.360 (7119)	3.920 (8307)	4.480 (9494)
1200 x 600 (0.350)	48" x 24" (3.767)	CMS (CFM)	1.050 (2226)	1.400 (2965)	1.750 (3707)	2.100 (4449)	2.450 (5191)	2.800 (5933)
1200 x 750 (0.455)	48" x 30" (4.898)	CMS (CFM)	1.365 (2895)	1.820 (3855)	2.275 (4820)	2.730 (5785)	3.185 (6749)	3.640 (7714)
1200 x 900 (0.56)	48" x 36" (6.028)	CMS (CFM)	1.680 (3563)	2.240 (4744)	2.800 (5932)	3.360 (7119)	3.920 (8307)	4.480 (9494)
1350 x 750 (0.553)	54" x 30" (5.952)	CMS (CFM)	1.659 (3518)	2.212 (4684)	2.765 (5857)	3.318 (7029)	3.871 (8202)	4.424 (9374)
1350 x 900 (0.680)	54" x 36" (7.319)	CMS (CFM)	2.040 (4326)	2.720 (5760)	3.400 (7202)	4.080 (8644)	4.760 (10086)	5.440 (11527)
1350 x 1000 (0.765)	54" x 40" (8.234)	CMS (CFM)	2.295 (4866)	3.060 (6480)	3.825 (8102)	4.590 (9724)	5.355 (11346)	6.120 (12969)
1500 x 900 (0.720)	60" x 36" (7.750)	CMS (CFM)	2.160 (4580)	2.880 (6099)	3.600 (7626)	4.320 (9153)	5.040 (10680)	5.760 (12206)
1500 x 1000 (0.810)	60" x 40" (8.719)	CMS (CFM)	2.430 (5153)	3.240 (6862)	4.050 (8579)	4.860 (10297)	5.670 (12015)	6.480 (13732)
1500 x 1050 (0.855)	60" x 42" (9.203)	CMS (CFM)	2.565 (5439)	3.420 (7243)	4.275 (9056)	5.130 (10869)	5.985 (12682)	6.840 (14495)
1500 x 1200 (0.990)	60" x 48" (10.656)	CMS (CFM)	2.970 (6298)	3.960 (8386)	4.950 (10486)	5.940 (12585)	6.930 (14684)	7.920 (16783)
1650 x 1000 (0.945)	66" x 40" (10.172)	CMS (CFM)	2.835 (6012)	3.780 (8005)	4.725 (10009)	5.670 (12013)	6.615 (14017)	7.560 (16021)
1650 x 1050 (0.998)	66" x 42" (10.742)	CMS (CFM)	2.994 (6349)	3.992 (8454)	4.990 (10570)	5.988 (12686)	6.986 (14802)	7.984 (16919)
1650 x 1200 (1.155)	66" x 48" (12.432)	CMS (CFM)	3.465 (7347)	4.620 (9784)	5.775 (12233)	6.930 (14682)	8.085 (17131)	9.240 (19580)
1800 x 1200 (1.210)	72" x 48" (13.024)	CMS (CFM)	3.630 (7697)	4.840 (10250)	6.050 (12816)	7.260 (15381)	8.470 (17947)	9.680 (20513)
1800 x 1350 (1.375)	72" x 54" (14.800)	CMS (CFM)	4.125 (8747)	5.500 (11648)	6.875 (14563)	8.250 (17479)	9.625 (20394)	11.000 (23310)
1800 x 1500 (1.540)	72" x 60" (16.576)	CMS (CFM)	4.620 (9796)	6.160 (13045)	7.700 (16311)	9.240 (19576)	10.780 (22842)	12.320 (26107)
2000 x 1350 (1.500)	80" x 54" (16.146)	CMS (CFM)	4.500 (9542)	6.000 (12707)	7.500 (15888)	9.000 (19068)	10.500 (22249)	12.000 (25430)
2000 x 1500 (1.680)	80" x 60" (18.083)	CMS (CFM)	5.040 (10687)	6.720 (14231)	8.400 (17794)	10.080 (21356)	11.760 (24918)	13.440 (28481)

Duct Silencer

Type : DS

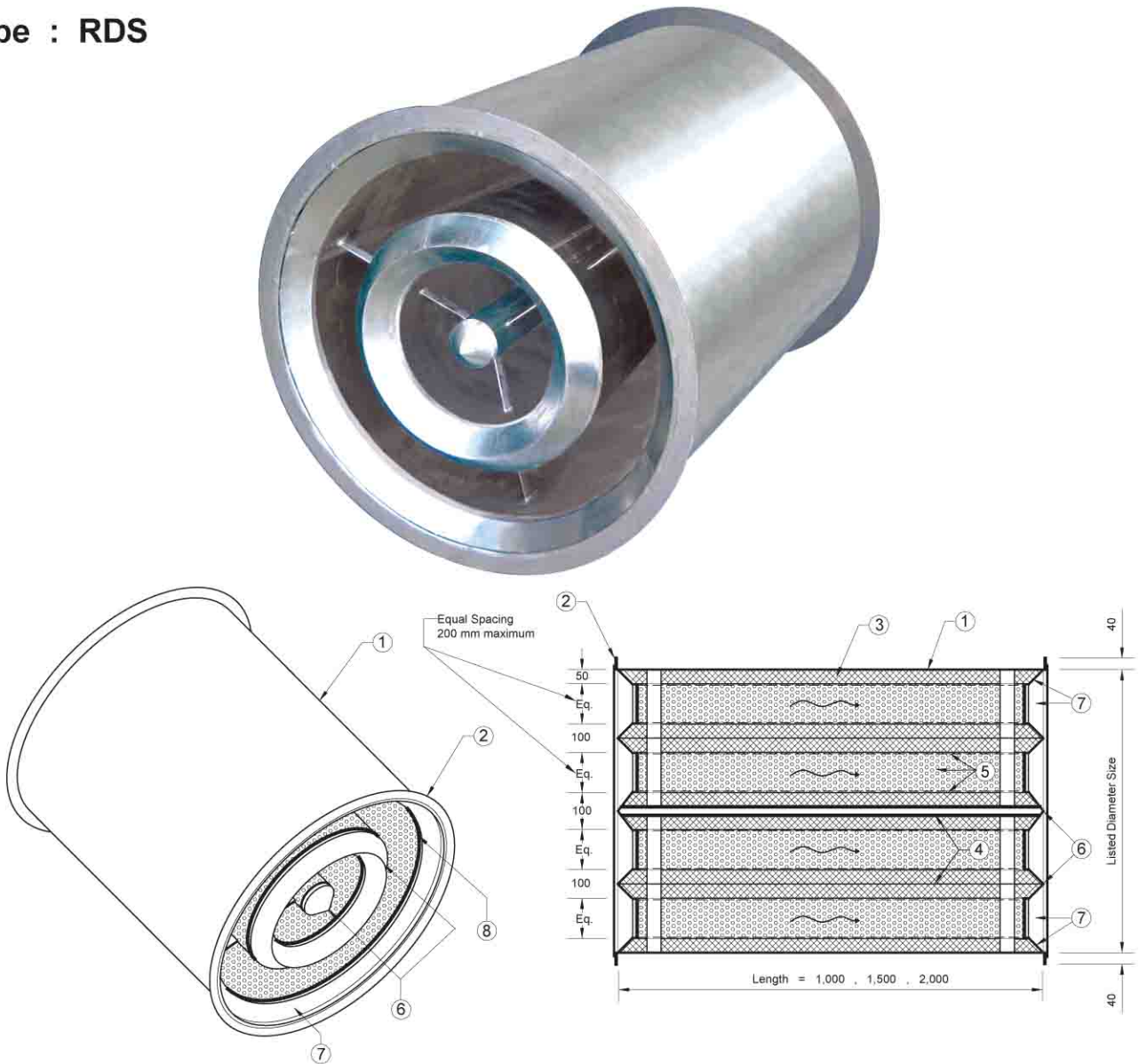
Physical Data

Listed Size		Length - m (ft)					
		1.0 (3.28)		1.5 (4.92)		2.0 (6.56)	
mm	inches	Weight kgs (lbs)	Volume m³ (ft³)	Weight kgs (lbs)	Volume m³ (ft³)	Weight kgs (lbs)	Volume m³ (ft³)
450 x 450	18" x 18"	36 (79)	0.2 (7)	50 (110)	0.3 (11)	64 (141)	0.4 (15)
600 x 300	24" x 12"	33 (73)	0.2 (7)	46 (101)	0.3 (10)	59 (130)	0.4 (13)
700 x 400	28" x 16"	47 (104)	0.3 (10)	65 (143)	0.4 (15)	79 (174)	0.6 (20)
800 x 400	32" x 16"	50 (110)	0.3 (12)	70 (154)	0.5 (17)	89 (196)	0.6 (23)
800 x 500	32" x 20"	56 (123)	0.4 (15)	73 (161)	0.6 (22)	90 (198)	0.8 (29)
900 x 500	36" x 20"	67 (148)	0.5 (16)	94 (207)	0.7 (25)	121 (267)	0.9 (33)
900 x 600	36" x 24"	75 (165)	0.5 (20)	106 (234)	0.8 (30)	136 (300)	1.1 (39)
1000 x 500	40" x 20"	70 (154)	0.5 (18)	99 (218)	0.8 (27)	127 (280)	1.0 (36)
1000 x 600	40" x 24"	78 (172)	0.6 (22)	110 (243)	0.9 (33)	141 (311)	1.2 (44)
1000 x 750	40" x 30"	90 (198)	0.8 (27)	127 (280)	1.1 (41)	164 (362)	1.5 (55)
1100 x 600	44" x 24"	80 (176)	0.7 (24)	114 (251)	1.0 (36)	147 (324)	1.3 (48)
1100 x 750	44" x 30"	93 (205)	0.8 (30)	131 (289)	1.2 (45)	169 (373)	1.7 (60)
1100 x 900	44" x 36"	105 (231)	1.0 (36)	148 (326)	1.5 (54)	191 (421)	2.0 (72)
1200 x 600	48" x 24"	93 (205)	0.7 (26)	132 (291)	1.1 (39)	170 (375)	1.4 (52)
1200 x 750	48" x 30"	106 (234)	0.9 (33)	152 (335)	1.4 (49)	196 (432)	1.8 (66)
1200 x 900	48" x 36"	121 (267)	1.1 (39)	172 (379)	1.6 (59)	222 (489)	2.2 (79)
1350 x 750	54" x 30"	114 (251)	1.0 (37)	161 (355)	1.5 (55)	208 (459)	2.0 (74)
1350 x 900	54" x 36"	127 (280)	1.2 (44)	176 (388)	1.8 (66)	232 (511)	2.4 (89)
1350 x 1000	54" x 40"	136 (300)	1.4 (49)	194 (428)	2.0 (74)	251 (553)	2.7 (98)
1500 x 900	60" x 36"	145 (320)	1.4 (49)	207 (456)	2.0 (74)	267 (589)	2.7 (98)
1500 x 1000	60" x 40"	155 (342)	1.5 (55)	220 (485)	2.3 (82)	286 (631)	3.0 (109)
1500 x 1050	60" x 42"	163 (359)	1.6 (57)	232 (511)	2.4 (86)	300 (661)	3.2 (115)
1500 x 1200	60" x 48"	178 (392)	1.8 (66)	254 (560)	2.7 (98)	328 (723)	3.6 (131)
1650 x 1000	66" x 40"	160 (353)	1.7 (60)	227 (500)	2.5 (90)	294 (648)	3.3 (120)
1650 x 1050	66" x 42"	166 (366)	1.7 (63)	237 (522)	2.6 (95)	307 (677)	3.5 (126)
1650 x 1200	66" x 48"	183 (403)	2.0 (72)	260 (573)	3.0 (108)	337 (743)	4.0 (144)
1800 x 1200	72" x 48"	207 (456)	2.2 (79)	295 (650)	3.2 (118)	382 (842)	4.3 (157)
1800 x 1350	72" x 54"	229 (505)	2.4 (89)	327 (721)	3.6 (133)	424 (935)	4.9 (177)
1800 x 1500	72" x 60"	247 (545)	2.7 (98)	353 (778)	4.1 (148)	458 (1010)	5.4 (197)
2000 x 1350	80" x 54"	256 (564)	2.7 (98)	366 (807)	4.1 (148)	474 (1045)	5.4 (197)
2000 x 1500	80" x 60"	277 (611)	3.0 (109)	389 (858)	4.5 (164)	462 (1019)	6.0 (219)

Note : Weight and Volume values shown are approximate values only.

Round Duct Silencer

Type : RDS



Constructed of galvanized steel sheet, round shaped, high strength structure, flange type. All inside casing as well as circular baffle(s) are lined by fiberglass insulation 48 kg/m³ dense, 50 mm thick with glass cloth facing and covered with perforated galvanized steel sheet for protecting all fiberglass surface from erosion. Both ends of acoustic circular baffle(s) and all edges of fiberglass at entrance and exit of duct silencer are covered with galvanized steel sheet for protecting all fiberglass edges. All joints of perforated galvanized steel sheets, all joints between solid circular noses, solid bell mouths and perforated galvanized steel sheets are sealed by silicone sealant to further ensure full protection of all fiberglass edges. High Dynamic Insertion Loss, Low Static Pressure Drop with Test Certificate in accordance with Standards Australia (AS), AS 1277. Suitable for mounting to round duct line or axial fan for noise reduction from its noise source effectively.

FEATURES

- ①. Casing, constructed of galvanized steel sheet.
- ②. Flanges, constructed of heavy gauge steel plate, welded to casing and attached to small flange formed from the casing edge to ensure rigidity and without leakage.
- ③. Internal liner, all inside casing are lined by fiberglass insulation 48 kg/m³ dense, 50 mm thick with glass cloth facing.
- ④. Acoustic Circular Baffle(s), constructed of galvanized steel sheet covered with fiberglass insulation 48 kg/m³ dense, 50 mm thick with glass cloth facing around the galvanized steel sheet. The width of acoustic circular baffle(s) spacing for air passages in range of 115-200 mm.
- ⑤. Perforated Sheets, all surfaces of fiberglass with glass cloth facing are covered by perforated galvanized steel sheet for protecting all fiberglass surfaces from erosion.
- ⑥. Solid Circular Noses, both ends of acoustic circular baffle(s) are covered with galvanized steel sheet as solid circular noses for protecting all fiberglass edges and increasing noise reduction.
- ⑦. Solid Bell Mouths, all edges of fiberglass at entrance and exit of round duct silencer are covered with galvanized steel sheet as solid bell mouths for protecting all fiberglass edges and minimizing air turbulence.
- ⑧. Silicone Sealants, sealed all joints of perforated galvanized steel sheets, all joints between solid circular noses, solid bell mouths and perforated galvanized steel sheets to further ensure full protection of all fiberglass edges.

(Measurement : mm)

Round Duct Silencer

Type : RDS

Dynamic Insertion Loss Data

Length	Outlet Velocity	Octave Band Centre Frequency - Hz							
		63	125	250	500	1000	2000	4000	8000
		Dynamic Insertion Loss - dB							
m (ft)	MPS (FPM)								
1.0 (3.28)	3.409 (671)	1	8	12	28	37	35	22	17
	5.682 (1119)	2	8	11	27	36	34	22	17
	7.955 (1566)	1	8	11	27	36	34	21	17
1.5 (4.92)	3.409 (671)	4	10	18	41	44	45	32	25
	5.682 (1119)	4	11	17	42	43	44	33	25
	7.955 (1566)	4	11	18	41	44	44	32	25
2.0 (6.56)	3.409 (671)	5	13	24	47	46	48	38	31
	5.682 (1119)	5	12	24	47	46	48	39	32
	7.955 (1566)	5	13	23	46	47	48	39	32

Round Duct Silencer

Type : RDS

Performance Data

Listed Diameter Size		Outlet Velocity MPS (FPM)	3 (591)	4 (787)	5 (984)	6 (1181)	7 (1378)	8 (1575)
mm (Ak - m ²)	inches (Ak - ft ²)	Length - m (ft)	Static Pressure Drop, Ps - Pa (in.wg.)					
		1.0 (3.28)	0.0 (0.000)	0.3 (0.001)	0.7 (0.003)	1.1 (0.004)	1.6 (0.006)	2.0 (0.008)
		1.5 (4.92)	0.0 (0.000)	1.2 (0.005)	2.3 (0.009)	3.3 (0.013)	4.2 (0.017)	5.0 (0.020)
		2.0 (6.56)	0.6 (0.002)	1.8 (0.007)	3.5 (0.014)	5.8 (0.023)	8.7 (0.035)	12.2 (0.049)
450 (0.083)	18" (0.893)	CMS (CFM)	0.249 (528)	0.332 (703)	0.415 (879)	0.498 (1055)	0.581 (1231)	0.664 (1406)
500 (0.112)	20" (1.206)	CMS (CFM)	0.336 (713)	0.448 (949)	0.560 (1187)	0.672 (1424)	0.784 (1662)	0.896 (1899)
550 (0.146)	22" (1.572)	CMS (CFM)	0.438 (929)	0.584 (1237)	0.73 (1547)	0.876 (1857)	1.022 (2166)	1.168 (2476)
600 (0.183)	24" (1.970)	CMS (CFM)	0.549 (1164)	0.732 (1550)	0.915 (1938)	1.098 (2327)	1.281 (2715)	1.464 (3103)
650 (0.220)	26" (2.368)	CMS (CFM)	0.660 (1399)	0.880 (1864)	1.100 (2330)	1.320 (2797)	1.540 (3263)	1.760 (3730)
700 (0.251)	28" (2.702)	CMS (CFM)	0.753 (1597)	1.004 (2126)	1.255 (2659)	1.506 (3191)	1.757 (3723)	2.008 (4256)
750 (0.283)	30" (3.046)	CMS (CFM)	0.849 (1800)	1.132 (2397)	1.415 (2997)	1.698 (3597)	1.981 (4197)	2.264 (4797)
800 (0.314)	32" (3.380)	CMS (CFM)	0.942 (1998)	1.256 (2660)	1.570 (3326)	1.884 (3992)	2.198 (4658)	2.512 (5324)
850 (0.346)	34" (3.724)	CMS (CFM)	1.038 (2201)	1.384 (2931)	1.730 (3664)	2.076 (4398)	2.422 (5132)	2.768 (5865)
900 (0.377)	36" (4.058)	CMS (CFM)	1.131 (2398)	1.508 (3194)	1.885 (3993)	2.262 (4792)	2.639 (5592)	3.016 (6391)
950 (0.400)	38" (4.306)	CMS (CFM)	1.200 (2545)	1.600 (3389)	2.000 (4237)	2.400 (5085)	2.800 (5934)	3.200 (6782)
1000 (0.461)	40" (4.962)	CMS (CFM)	1.383 (2933)	1.844 (3905)	2.305 (4883)	2.766 (5860)	3.227 (6838)	3.688 (7815)
1050 (0.526)	42" (5.662)	CMS (CFM)	1.578 (3346)	2.104 (4456)	2.630 (5571)	3.156 (6687)	3.682 (7802)	4.208 (8918)
1100 (0.595)	44" (6.405)	CMS (CFM)	1.785 (3785)	2.380 (5041)	2.975 (6303)	3.570 (7564)	4.165 (8826)	4.760 (10088)
1150 (0.667)	46" (7.180)	CMS (CFM)	2.001 (4243)	2.668 (5651)	3.335 (7065)	4.002 (8480)	4.669 (9894)	5.336 (11309)
1200 (0.744)	48" (8.008)	CMS (CFM)	2.232 (4733)	2.976 (6302)	3.720 (7880)	4.464 (9457)	5.208 (11035)	5.952 (12613)
1250 (0.817)	50" (8.794)	CMS (CFM)	2.451 (5197)	3.268 (6921)	4.085 (8653)	4.902 (10386)	5.719 (12118)	6.536 (13851)
1300 (0.880)	52" (9.472)	CMS (CFM)	2.640 (5598)	3.520 (7454)	4.400 (9320)	5.280 (11186)	6.160 (13052)	7.040 (14918)
1350 (0.942)	54" (10.140)	CMS (CFM)	2.826 (5993)	3.768 (7980)	4.710 (9978)	5.652 (11975)	6.594 (13973)	7.536 (15971)
1400 (1.005)	56" (10.818)	CMS (CFM)	3.015 (6393)	4.020 (8514)	5.025 (10645)	6.030 (12776)	7.035 (14907)	8.040 (17038)
1450 (1.068)	58" (11.496)	CMS (CFM)	3.204 (6794)	4.272 (9047)	5.340 (11312)	6.408 (13577)	7.476 (15841)	8.544 (18106)
1500 (1.131)	60" (12.174)	CMS (CFM)	3.393 (7195)	4.524 (9581)	5.655 (11979)	6.786 (14377)	7.917 (16776)	9.048 (19174)

Round Duct Silencer

Type : RDS

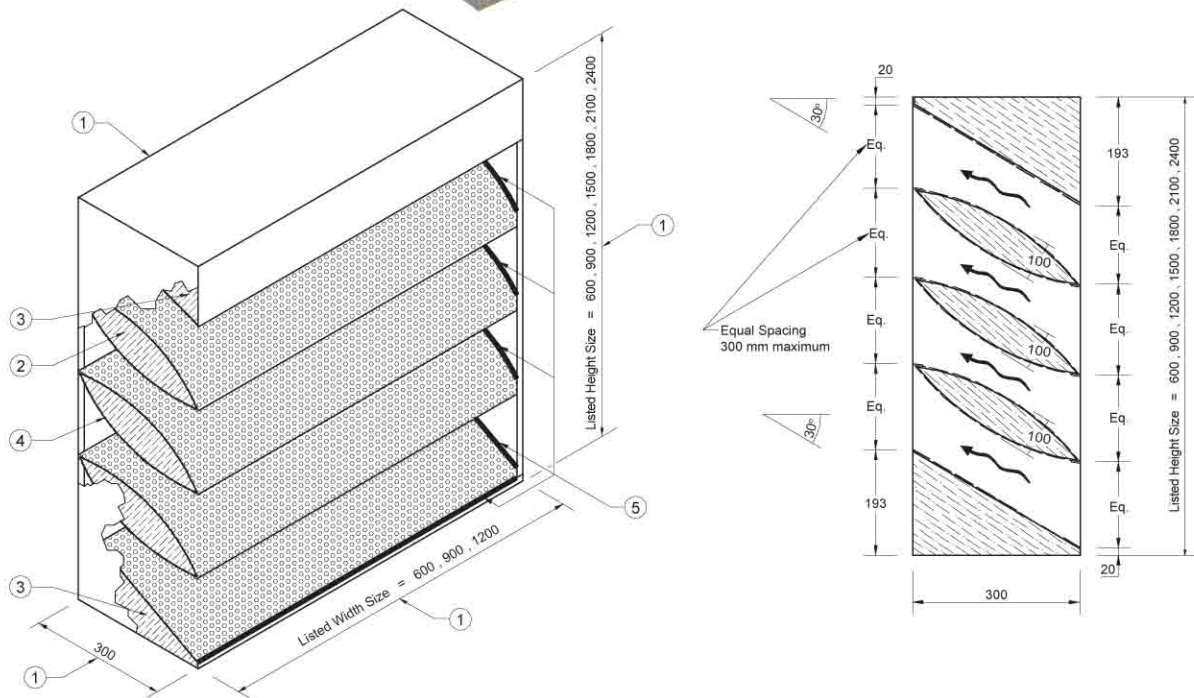
Physical Data

Listed Size		Length - m (ft)					
		1.0 (3.28)		1.5 (4.92)		2.0 (6.56)	
mm	inches	Weight kgs (lbs)	Volume m ³ (ft ³)	Weight kgs (lbs)	Volume m ³ (ft ³)	Weight kgs (lbs)	Volume m ³ (ft ³)
450	18"	24 (53)	0.16 (6)	33 (73)	0.24 (8)	43 (95)	0.32 (11)
500	20"	28 (62)	0.20 (7)	39 (86)	0.29 (10)	49 (108)	0.39 (14)
550	22"	31 (68)	0.24 (8)	43 (95)	0.36 (13)	54 (119)	0.48 (17)
600	24"	33 (73)	0.28 (10)	46 (101)	0.42 (15)	58 (128)	0.57 (20)
650	26"	37 (82)	0.33 (12)	51 (112)	0.50 (18)	65 (143)	0.66 (23)
700	28"	42 (93)	0.38 (14)	57 (126)	0.58 (20)	73 (161)	0.77 (27)
750	30"	47 (104)	0.44 (16)	64 (141)	0.66 (23)	81 (179)	0.88 (31)
800	32"	52 (115)	0.50 (18)	71 (157)	0.75 (27)	90 (198)	1.01 (36)
850	34"	57 (126)	0.57 (20)	78 (172)	0.85 (30)	99 (218)	1.13 (40)
900	36"	62 (137)	0.64 (22)	85 (187)	0.95 (34)	107 (236)	1.27 (45)
950	38"	77 (170)	0.71 (25)	108 (238)	1.06 (38)	139 (306)	1.42 (50)
1000	40"	81 (179)	0.79 (28)	114 (251)	1.18 (42)	146 (322)	1.57 (55)
1050	42"	85 (187)	0.87 (31)	119 (262)	1.30 (46)	153 (337)	1.73 (61)
1100	44"	89 (196)	0.95 (34)	124 (273)	1.43 (50)	160 (353)	1.90 (67)
1150	46"	93 (205)	1.04 (37)	130 (287)	1.56 (55)	167 (368)	2.08 (73)
1200	48"	96 (212)	1.13 (40)	135 (298)	1.70 (60)	174 (384)	2.26 (80)
1250	50"	101 (223)	1.23 (43)	141 (311)	1.84 (65)	182 (401)	2.45 (87)
1300	52"	109 (240)	1.33 (47)	152 (335)	1.99 (70)	196 (432)	2.65 (94)
1350	54"	116 (256)	1.43 (51)	163 (359)	2.15 (76)	209 (461)	2.86 (101)
1400	56"	124 (273)	1.54 (54)	173 (381)	2.31 (82)	223 (492)	3.08 (109)
1450	58"	132 (291)	1.65 (58)	184 (406)	2.48 (87)	236 (520)	3.30 (117)
1500	60"	140 (309)	1.77 (62)	195 (430)	2.65 (94)	252 (556)	3.53 (125)

Note : Weight and Volume values shown are approximate values only.

Acoustic Louver

Type : ACL



Constructed of galvanized steel sheet, rectangular shaped, high strength structure. The casing is designed in modular sizes for enabling assembly of rectilinear louver wall of almost any size. Blade(s) are airfoil shaped, constructed of perforated galvanized steel sheet, inside the blade(s) are compressed firmly with fiberglass insulation 48kg/m³ dense with glass cloth facing, to ensure solid packing in the blade(s) without any erosion of fiberglass surfaces, for maximum noise reduction with minimum pressure drop. Head and Base of the louver are also compressed firmly with fiberglass insulation 48 kg/m³ dense with glass cloth facing, and covered by perforated galvanized steel sheet, inclined plane to the same angle of the blade. Splitter-Blade(s) orientation block(s) horizontal line of sight for enhancing both aesthetics and acoustic performance. All edges of the blade(s), as well as head and base of the louver are sealed by silicone sealant to further ensure full protection of all fiberglass edges. Suitable for mounting to machine room sidewall for ventilation with noise reduction from its noise source effectively.

FEATURES

- ① Casing, constructed of galvanized steel sheet, modular sizes enable assembly of rectilinear louver wall of almost any size.
- ② Blade(s), airfoil shaped, splitter-blade(s) constructed of perforated galvanized steel sheet, inside the blade(s) are compressed firmly with fiberglass insulation 48 kg/m³ dense with glass cloth facing, to ensure solid packing in the blade(s) without any erosion of fiberglass surfaces, for maximum noise reduction with minimum pressure drop.
- ③ Head and Base of the louver are also compressed firmly with fiberglass insulation 48 kg/m³ dense with glass cloth facing, and covered by perforated galvanized steel sheet, inclined plane to the same angle of the blade.
- ④ Splitter-Blade(s) orientation block(s) horizontal line of sight for enhancing both aesthetics and acoustic performance.
- ⑤ Silicone Sealants, sealed all edges of the blade(s), as well as head and base of the louver to further ensure full protection of all fiberglass edges.

(Measurement : mm)

Acoustic Louver

Type : ACL

Performance Data

Listed Size		Outlet Velocity MPS (FPM)	3 (591)	4 (787)	5 (984)	6 (1181)	7 (1378)	8 (1575)
mm. (Ak - m ²)	inches (Ak - ft ²)							
600 x 600 (0.132)	24" x 24" (1.421)	CMS (CFM)	0.396 (840)	0.528 (1118)	0.660 (1398)	0.792 (1678)	0.924 (1958)	1.056 (2238)
600 x 900 (0.221)	24" x 36" (2.379)	CMS (CFM)	0.663 (1406)	0.884 (1872)	1.105 (2341)	1.326 (2810)	1.547 (3278)	1.768 (3747)
600 x 1200 (0.311)	24" x 48" (3.348)	CMS (CFM)	0.933 (1979)	1.244 (2635)	1.555 (3294)	1.866 (3954)	2.177 (4614)	2.488 (5273)
600 x 1500 (0.400)	24" x 60" (4.306)	CMS (CFM)	1.200 (2545)	1.600 (3389)	2.000 (4237)	2.400 (5085)	2.800 (5934)	3.200 (6782)
600 x 1800 (0.434)	24" x 72" (4.672)	CMS (CFM)	1.302 (2761)	1.736 (3677)	2.170 (4597)	2.604 (5518)	3.038 (6438)	3.472 (7358)
600 x 2100 (0.523)	24" x 84" (5.630)	CMS (CFM)	1.569 (3327)	2.092 (4431)	2.615 (5540)	3.138 (6649)	3.661 (7758)	4.184 (8867)
600 x 2400 (0.613)	24" x 96" (6.598)	CMS (CFM)	1.839 (3899)	2.452 (5193)	3.065 (6492)	3.678 (7792)	4.291 (9092)	4.904 (10392)
900 x 600 (0.202)	36" x 24" (2.174)	CMS (CFM)	0.606 (1285)	0.808 (1711)	1.010 (2139)	1.212 (2567)	1.414 (2996)	1.616 (3424)
900 x 900 (0.340)	36" x 36" (3.660)	CMS (CFM)	1.020 (2163)	1.360 (2880)	1.700 (3601)	2.040 (4322)	2.380 (5043)	2.720 (5765)
900 x 1200 (0.477)	36" x 48" (5.134)	CMS (CFM)	1.431 (3034)	1.908 (4040)	2.385 (5052)	2.862 (6063)	3.339 (7075)	3.816 (8086)
900 x 1500 (0.615)	36" x 60" (6.620)	CMS (CFM)	1.845 (3912)	2.460 (5210)	3.075 (6514)	3.690 (7818)	4.305 (9122)	4.920 (10427)
900 x 1800 (0.666)	36" x 72" (7.169)	CMS (CFM)	1.998 (4237)	2.664 (5642)	3.330 (7054)	3.996 (8467)	4.662 (9879)	5.328 (11291)
900 x 2100 (0.804)	36" x 84" (8.654)	CMS (CFM)	2.412 (5115)	3.216 (6811)	4.020 (8516)	4.824 (10220)	5.628 (11925)	6.432 (13630)
900 x 2400 (0.941)	36" x 96" (10.129)	CMS (CFM)	2.823 (5986)	3.764 (7972)	4.705 (9967)	5.646 (11962)	6.587 (13958)	7.528 (15953)
1200 x 600 (0.273)	48" x 24" (2.939)	CMS (CFM)	0.819 (1737)	1.092 (2313)	1.365 (2892)	1.638 (3471)	1.911 (4050)	2.184 (4629)
1200 x 900 (0.458)	48" x 36" (4.930)	CMS (CFM)	1.374 (2914)	1.832 (3880)	2.290 (4851)	2.748 (5822)	3.206 (6794)	3.664 (7765)
1200 x 1200 (0.644)	48" x 48" (6.932)	CMS (CFM)	1.932 (4097)	2.576 (5455)	3.220 (6821)	3.864 (8187)	4.508 (9552)	5.152 (10918)
1200 x 1500 (0.829)	48" x 60" (8.923)	CMS (CFM)	2.487 (5273)	3.316 (7022)	4.145 (8780)	4.974 (10538)	5.803 (12296)	6.632 (14054)
1200 x 1800 (0.899)	48" x 72" (9.677)	CMS (CFM)	2.697 (5719)	3.596 (7616)	4.495 (9522)	5.394 (11429)	6.293 (13335)	7.192 (15241)
1200 x 2100 (1.084)	48" x 84" (11.668)	CMS (CFM)	3.252 (6896)	4.336 (9183)	5.420 (11481)	6.504 (13780)	7.588 (16079)	8.672 (18377)
1200 x 2400 (1.270)	48" x 96" (13.670)	CMS (CFM)	3.810 (8079)	5.080 (10758)	6.350 (13451)	7.620 (16144)	8.890 (18837)	10.160 (21530)

Acoustic Louver

Type : ACL

Physical Data

Listed Size		Weight	Volume
mm.	inches		
		kgs (lbs)	m ³ (ft ³)
600 x 600	24" x 24"	11 (24)	0.1 (4)
600 x 900	24" x 36"	14 (31)	0.2 (6)
600 x 1200	24" x 48"	18 (40)	0.2 (8)
600 x 1500	24" x 60"	21 (46)	0.3 (10)
600 x 1800	24" x 72"	26 (57)	0.3 (12)
600 x 2100	24" x 84"	30 (66)	0.4 (14)
600 x 2400	24" x 96"	33 (73)	0.4 (16)
900 x 600	36" x 24"	14 (31)	0.2 (6)
900 x 900	36" x 36"	19 (42)	0.2 (9)
900 x 1200	36" x 48"	23 (51)	0.3 (12)
900 x 1500	36" x 60"	27 (60)	0.4 (15)
900 x 1800	36" x 72"	34 (75)	0.5 (18)
900 x 2100	36" x 84"	39 (86)	0.6 (21)
900 x 2400	36" x 96"	43 (95)	0.6 (24)
1200 x 600	48" x 24"	18 (40)	0.2 (8)
1200 x 900	48" x 36"	23 (51)	0.3 (12)
1200 x 1200	48" x 48"	28 (62)	0.4 (16)
1200 x 1500	48" x 60"	34 (75)	0.5 (20)
1200 x 1800	48" x 72"	42 (93)	0.6 (24)
1200 x 2100	48" x 84"	47 (104)	0.8 (28)
1200 x 2400	48" x 96"	53 (117)	0.9 (32)

Note : Weight and Volume values shown are approximate values only.