



MODEL ARG-45 & ARG-30

ACCESS RETURN GRILLES PERFORMANCE DATA

GRILLES Sizes in Inch (mm)	A.K Factor in Sq.Ft	Face Velocity - fpm (m/s)						
		300 (1.5)	400 (2.0)	500 (2.5)	600 (3.0)	700 (3.6)	800 (4.1)	900 (4.6)
		Negative Static Pressure in Inch Wg (Pa)						
		0.032 (8)	0.057 (14)	0.089 (22)	0.128 (32)	0.175 (44)	0.217 (54)	0.274 (69)
AirFlow- Cfm (L/s)								
6 x 6 (152 x 152)	0.07	21 (10)	28 (13)	35 (17)	42 (20)	49 (23)	56 (26)	63 (30)
	NC	<15	<15	<15	20	25	28	31
8 x 6 (203 x 152)	0.1	30 (14)	40 (19)	50 (24)	60 (28)	70 (33)	80 (38)	90 (43)
	NC	<15	<15	<15	21	27	30	32
10 x 6 (254 x 152)	0.13	39 (18)	52 (25)	65 (31)	78 (37)	91 (43)	104 (49)	117 (55)
	NC	<15	<15	16	23	28	31	34
12 x 6 (305 x 152)	0.18	54 (26)	72 (34)	90 (43)	108 (51)	126 (60)	144 (68)	162 (77)
	NC	<15	<15	18	25	30	33	36
14 x 6 (356 x 152)	0.26	78 (37)	104 (49)	130 (61)	156 (74)	182 (86)	208 (98)	234 (110)
	NC	<15	<15	19	26	30	34	38
16 x 6 (406 x 152)	0.33	99 (47)	132 (62)	165 (78)	198 (93)	231 (109)	264 (125)	297 (140)
	NC	<15	<15	20	27	31	35	39
18 x 6 (457 x 152)	0.4	120 (57)	160 (76)	200 (94)	240 (113)	280 (132)	320 (151)	360 (170)
	NC	<15	15	22	29	32	36	40
20 x 6 (508 x 152)	0.48	144 (68)	192 (91)	240 (113)	288 (136)	336 (159)	384 (181)	432 (204)
	NC	<15	16	24	30	33	37	41
22 x 6 (559 x 152)	0.56	168 (79)	224 (106)	280 (132)	336 (159)	392 (185)	448 (211)	504 (238)
	NC	<15	17	25	30	34	37	41
24 x 6 (610 x 152)	0.63	189 (89)	252 (119)	315 (149)	378 (178)	441 (208)	504 (238)	567 (268)
	NC	<15	18	27	31	35	38	42
26 x 6 (660 x 152)	0.71	213 (101)	285 (135)	355 (168)	426 (201)	497 (235)	568 (268)	639 (302)
	NC	<15	19	28	31	35	38	42
28 x 6 (711 x 152)	0.78	234 (110)	312 (147)	390 (184)	468 (221)	546 (258)	624 (295)	702 (331)
	NC	<15	20	29	32	36	39	43
30 x 6 (762 x 152)	0.85	255 (120)	340 (161)	425 (201)	510 (241)	595 (281)	680 (321)	765 (361)
	NC	15	20	29	32	36	39	43
32 x 6 (813 x 152)	0.96	288 (136)	384 (181)	480 (227)	576 (272)	672 (317)	768 (362)	864 (408)
	NC	15	21	29	33	36	39	43
36 x 6 (914 x 152)	1.07	321 (152)	428 (202)	535 (253)	642 (303)	749 (354)	856 (404)	963 (455)
	NC	16	22	30	33	37	40	44

MODEL ARG-45 & ARG-30

ACCESS RETURN GRILLES PERFORMANCE DATA

GRILLES Sizes in Inch (mm)	A.K Factor in Sq.Ft	Face Velocity - fpm (m/s)						
		300 (1.5)	400 (2.0)	500 (2.5)	600 (3.0)	700 (3.6)	800 (4.1)	900 (4.6)
		Negative Static Pressure in Inch Wg (Pa)						
		0.032 (8)	0.057 (14)	0.089 (22)	0.128 (32)	0.175 (44)	0.217 (54)	0.274 (69)
AirFlow- Cfm (L/s)								
8 x 8 (203x203)	0.13	39 (18)	52 (25)	65 (31)	78 (37)	91 (43)	104 (49)	117 (55)
	NC	<15	<15	16	23	28	31	34
10 x 8 (254x203)	0.23	69 (33)	92 (43)	115 (54)	138 (65)	161 (76)	184 (87)	207 (98)
	NC	<15	<15	18	26	30	33	36
12 x 8 (305x203)	0.33	99 (47)	132 (62)	165 (78)	198 (93)	231 (109)	264 (125)	297 (140)
	NC	<15	<15	20	27	31	34	37
14 x 8 (356x203)	0.43	129 (61)	172 (81)	215 (149)	258 (122)	301 (142)	344 (162)	387 (183)
	NC	<15	<15	22	28	32	36	39
16 x 8 (406x203)	0.53	159 (75)	212 (100)	265 (125)	318 (150)	371 (175)	424 (200)	477 (225)
	NC	<15	16	24	29	33	37	40
18 x 8 (457x203)	0.63	189 (89)	252 (119)	315 (149)	378 (178)	441 (208)	504 (238)	567 (268)
	NC	<15	18	26	30	34	38	41
20 x 8 (508x203)	0.72	216 (102)	288 (136)	360 (170)	432 (204)	504 (238)	576 (272)	648 (306)
	NC	<15	19	27	31	35	39	42
22 x 8 (559x203)	0.82	246 (116)	328 (155)	410 (194)	492 (232)	574 (271)	656 (310)	738 (348)
	NC	<15	20	27	31	35	39	42
24 x 8 (610x203)	0.92	276 (130)	368 (174)	460 (217)	552 (261)	644 (304)	736 (347)	828 (391)
	NC	15	21	28	32	36	40	43
26 x 8 (660x203)	1.02	306 (144)	408 (193)	510 (241)	612 (289)	714 (337)	816 (385)	918 (433)
	NC	15	22	29	33	37	40	43
28 x 8 (711x203)	1.12	336 (159)	448 (211)	560 (264)	672 (317)	784 (370)	896 (423)	1008 (476)
	NC	16	23	30	34	38	41	44
30 x 8 (636x203)	1.22	366 (173)	488 (230)	610 (288)	732 (345)	854 (403)	976 (461)	1098 (518)
	NC	16	23	30	34	38	41	44
32 x 8 (813x203)	1.32	396 (187)	528 (249)	660 (312)	792 (374)	924 (436)	1056 (498)	1188 (561)
	NC	16	24	31	35	39	42	45
36 x 8 (914x203)	1.52	456 (215)	608 (287)	760 (359)	912 (430)	1064 (502)	1216 (574)	1368 (646)
	NC	17	24	31	35	39	42	45
40 x 8 (1016x203)	1.72	516 (244)	688 (325)	860 (406)	1032 (487)	1204 (568)	1376 (649)	1548 (731)
	NC	17	24	32	36	40	43	46
48 x 8 (1219x203)	1.92	576 (272)	768 (362)	960 (453)	1152 (544)	1344 (634)	1536 (725)	1728 (816)
	NC	18	28	33	37	41	44	47
10 x 10 (254x254)	0.36	108 (51)	144 (68)	180 (85)	216 (102)	252 (119)	288 (136)	324 (153)
	NC	<15	<15	25	30	34	37	41
12 x 10 (305x254)	0.48	144 (68)	192 (91)	240 (113)	288 (136)	336 (159)	384 (181)	432 (204)
	NC	<15	15	23	29	33	37	41
14 x 10 (356x254)	0.61	183 (86)	244 (115)	305 (144)	366 (173)	427 (202)	488 (230)	549 (259)
	NC	<15	19	28	31	34	38	42
16 x 10 (406x254)	0.73	219 (103)	292 (138)	365 (172)	438 (207)	511 (241)	584 (276)	657 (310)
	NC	<15	19	27	32	35	39	42



MODEL ARG-45 & ARG-30

ACCESS RETURN GRILLES PERFORMANCE DATA

GRILLES Sizes in Inch (mm)	A.K Factor in Sq.Ft	Face Velocity - fpm (m/s)						
		300 (1.5)	400 (2.0)	500 (2.5)	600 (3.0)	700 (3.6)	800 (4.1)	900 (4.6)
		Negative Static Pressure in Inch Wg (Pa)						
		0.032 (8)	0.057 (14)	0.089 (22)	0.128 (32)	0.175 (44)	0.217 (54)	0.274 (69)
18 x 10 (457x254)	0.85	255 (120)	340 (160)	425 (201)	510 (241)	595 (281)	680 (321)	765 (361)
	NC	15	20	29	33	37	40	43
20 x 10 (508x254)	0.97	291 (137)	388 (183)	485 (229)	582 (275)	679 (320)	776 (366)	873 (412)
	NC	15	21	28	32	36	40	43
22 x 10 (559x254)	1.1	330 (156)	440 (208)	550 (260)	660 (312)	770 (363)	880 (415)	990 (467)
	NC	16	22	29	33	37	41	44
24 x 10 (610x254)	1.22	366 (173)	488 (230)	610 (288)	732 (345)	854 (403)	976 (461)	1098 (518)
	NC	16	22	29	33	37	41	44
26 x 10 (660x254)	1.35	405 (191)	540 (255)	675 (319)	810 (382)	945 (446)	1080 (510)	1215 (573)
	NC	16	22	29	33	37	41	44
28 x 10 (711x254)	1.47	441 (208)	588 (278)	735 (347)	882 (416)	1029 (486)	1176 (555)	1323 (624)
	NC	17	24	31	34	39	42	45
30 x 10 (762x254)	1.59	477 (225)	636 (300)	795 (375)	954 (450)	1113 (525)	1272 (600)	1431 (675)
	NC	17	24	31	34	39	42	45
32 x 10 (813x254)	1.72	516 (244)	688 (325)	860 (406)	1032 (487)	1204 (568)	1376 (649)	1548 (731)
	NC	18	25	32	35	40	43	46
36 x 10 (914x254)	1.96	588 (278)	784 (370)	980 (463)	1176 (555)	1372 (648)	1568 (740)	1764 (833)
	NC	18	26	33	37	41	44	47
40 x 10 (1016x254)	2.2	660 (311)	880 (415)	1100 (519)	1320 (623)	1540 (727)	1760 (831)	1980 (934)
	NC	19	27	34	38	42	45	48
48 x 10 (1219x254)	2.68	804 (379)	1072 (506)	1340 (632)	1608 (759)	1876 (885)	2144 (1012)	2412 (1138)
	NC	20	29	36	41	44	47	50
12 x 12 (305x305)	0.63	189 (89)	252 (119)	315 (149)	378 (178)	441 (208)	504 (238)	567 (268)
	NC	<15	19	27	31	35	39	42
14 x 12 (356x305)	0.78	234 (110)	312 (147)	390 (184)	468 (221)	546 (258)	624 (295)	702 (331)
	NC	<15	20	27	31	35	39	42
16 x 12 (406x305)	0.92	276 (130)	368 (174)	460 (217)	552 (261)	644 (304)	736 (347)	828 (391)
	NC	15	21	28	32	36	40	43
18 x 12 (457x305)	1.07	321 (152)	428 (202)	535 (253)	642 (303)	749 (354)	856 (404)	963 (455)
	NC	15	22	29	33	37	40	43
20 x 12 (508x305)	1.22	366 (173)	488 (230)	610 (288)	732 (345)	854 (403)	976 (461)	1098 (518)
	NC	16	23	30	34	38	41	44
22 x 12 (559x305)	1.36	408 (193)	544 (257)	680 (321)	816 (385)	952 (449)	1088 (514)	1224 (578)
	NC	16	23	30	34	38	41	44
24 x 12 (610x305)	1.52	456 (215)	608 (287)	760 (359)	912 (430)	1064 (502)	1216 (574)	1368 (646)
	NC	16	24	31	35	39	42	45
28 x 12 (711x305)	1.82	546 (258)	728 (344)	910 (430)	1092 (515)	1274 (601)	1456 (687)	1638 (794)
	NC	17	24	31	35	39	42	45
30 x 12 (762x305)	1.96	588 (278)	784 (370)	980 (465)	1176 (555)	1372 (648)	1568 (740)	1764 (833)
	NC	18	29	34	39	42	45	48



MODEL ARG-45 & ARG-30

ACCESS RETURN GRILLES PERFORMANCE DATA

GRILLES Sizes in Inch (mm)	A.K Factor in Sq.Ft	Face Velocity - fpm (m/s)						
		300 (1.5)	400 (2.0)	500 (2.5)	600 (3.0)	700 (3.6)	800 (4.1)	900 (4.6)
		Negative Static Pressure in Inch Wg (Pa)						
		0.032 (8)	0.057 (14)	0.089 (22)	0.128 (32)	0.175 (44)	0.217 (54)	0.274 (69)
32 x 12 (813x305)	2.12	636 (300)	848 (400)	1060 (500)	1272 (600)	1484 (700)	1696 (800)	1908 (900)
	NC	20	31	36	41	44	47	50
36 x 12 (914x305)	2.41	723 (341)	964 (455)	1205 (569)	1446 (682)	1687 (796)	1928 (910)	2169 (1024)
	NC	20	31	36	41	44	47	50
40 x 12 (1016x305)	2.71	813 (384)	1084 (512)	1355 (640)	1626 (767)	1897 (895)	2168 (1023)	2439 (1151)
	NC	20	31	36	41	44	47	50
44 x 12 (1118x305)	3.01	903 (426)	1204 (568)	1050 (496)	1806 (852)	2107 (994)	2408 (1136)	2709 (1278)
	NC	21	32	36	41	45	48	51
48 x 12 (1219x305)	3.31	993 (469)	1324 (625)	1655 (781)	1986 (937)	2317 (1093)	2648 (1250)	2979 (1406)
	NC	21	33	37	42	46	49	52
16 x 14 (406x356)	1.11	333 (157)	444 (210)	555 (267)	666 (314)	777 (367)	888 (419)	999 (471)
	NC	16	22	29	33	37	41	44
18 x 14 (457x356)	1.29	387 (183)	516 (244)	645 (304)	774 (365)	903 (426)	1032 (487)	1161 (548)
	NC	16	22	29	33	37	41	44
20 x 14 (508x356)	1.47	441 (208)	588 (278)	735 (347)	882 (416)	1029 (486)	1176 (555)	1323 (624)
	NC	16	23	30	34	38	42	45
24 x 14 (610x356)	1.82	546 (258)	728 (344)	910 (430)	1092 (515)	1274 (601)	1456 (687)	1628 (794)
	NC	17	24	31	35	39	42	45
28 x 14 (711x356)	2.16	648 (306)	864 (408)	1080 (510)	1296 (612)	1512 (713)	1728 (816)	1944 (917)
	NC	17	25	32	36	40	43	46
30 x 14 (762x356)	2.33	699 (330)	932 (440)	1165 (550)	1398 (660)	1631 (770)	1864 (880)	2097 (990)
	NC	17	26	32	37	40	43	46
32 x 14 (813x356)	2.5	750 (354)	1000 (472)	1250 (590)	1500 (708)	1750 (826)	2000 (944)	2250 (1062)
	NC	18	27	33	38	41	44	47
36 x 14 (914x356)	2.84	852 (402)	1136 (536)	1420 (670)	1704 (804)	1988 (938)	2272 (1072)	2556 (1206)
	NC	18	29	34	39	42	45	48
16 x 16 (406x406)	1.32	396 (187)	528 (249)	660 (312)	792 (374)	924 (436)	1056 (498)	1188 (561)
	NC	<15	<15	18	26	29	33	37
18 x 16 (457x406)	1.52	456 (215)	608 (287)	760 (359)	912 (430)	1064 (502)	1216 (574)	1368 (646)
	NC	<15	<15	20	28	31	35	39
24 x 16 (610x406)	2.11	633 (299)	844 (398)	1055 (498)	1266 (597)	1477 (697)	1688 (797)	1899 (896)
	NC	<15	17	24	30	33	37	41
28 x 16 (711x406)	2.51	753 (355)	1004 (474)	1255 (592)	1506 (711)	1757 (829)	2008 (948)	2259 (1066)
	NC	<15	19	26	32	35	38	40
30 x 16 (762x406)	2.71	813 (384)	1084 (512)	1355 (640)	1626 (767)	1897 (895)	2168 (1023)	2439 (1151)
	NC	16	22	27	33	36	39	42
32 x 16 (813x406)	2.91	873 (412)	1164 (549)	1455 (687)	1746 (824)	2037 (961)	2328 (1099)	2619 (1236)
	NC	17	24	29	34	38	41	44
36 x 16 (914x406)	3.31	993 (467)	1324 (625)	1655 (781)	1986 (937)	2317 (1093)	2648 (1250)	2979 (1406)
	NC	19	28	32	37	41	43	46



MODEL ARG-45 & ARG-30

ACCESS RETURN GRILLES PERFORMANCE DATA

GRILLES Sizes in Inch (mm)	A.K Factor in Sq.Ft	Face Velocity - fpm (m/s)						
		300 (1.5)	400 (2.0)	500 (2.5)	600 (3.0)	700 (3.6)	800 (4.1)	900 (4.6)
		Negative Static Pressure in Inch Wg (Pa)						
		0.032 (8)	0.057 (14)	0.089 (22)	0.128 (32)	0.175 (44)	0.217 (54)	0.274 (69)
18 x 18 (457x457)	1.74	522 (246)	696 (329)	870 (411)	1044 (493)	1218 (575)	1392 (657)	1566 (739)
	NC	17	23	31	35	39	43	46
24 x 18 (610x457)	2.41	723 (341)	964 (455)	1205 (569)	1446 (682)	1687 (796)	1928 (910)	2169 (1024)
	NC	18	25	32	36	41	44	47
28 x 18 (711x457)	2.75	825 (389)	1100 (519)	1375 (649)	1650 (779)	1925 (908)	2200(1038)	2475 (1168)
	NC	18	25	32	36	41	44	47
30 x 18 (762x457)	3.08	924 (436)	1232 (581)	1540 (727)	1848 (872)	2156 (1018)	2464 (1163)	2772 (1308)
	NC	19	25	33	37	41	45	48
36 x 18 (914x457)	3.75	1125 (531)	1500 (708)	1875 (885)	2250 (1062)	2625 (1239)	3000 (1416)	3375 (1593)
	NC	20	26	34	38	42	46	49
40 x 18 (1016x457)	42	1260 (595)	1680 (793)	2100 (991)	2520 (1189)	2940 (1388)	3360 (1586)	3780 (1784)
	NC	21	27	35	39	43	47	50
20 x 20 (508x508)	2.21	663 (313)	884 (417)	1105 (522)	1326 (626)	1547 (730)	1768 (834)	1989 (939)
	NC	18	24	31	35	39	43	47
24 x 20 (610x508)	2.71	813 (384)	1084 (512)	1355 (640)	1626 (767)	1897 (895)	2168 (1023)	2439 (1151)
	NC	19	25	32	36	40	44	48
30 x 20 (762x508)	3.45	1035 (488)	1380 (651)	1725 (814)	2070 (977)	2415 (1140)	2760 (1303)	3105 (1465)
	NC	19	30	34	38	42	45	49
36 x 20 (914x508)	4.2	1260 (595)	1680 (793)	2100 (991)	2520 (1189)	2940 (1387)	3360 (1586)	3780 (1784)
	NC	19	31	35	40	44	47	51
40 x 20 (1016x508)	4.61	1383 (653)	1844 (870)	2305 (1088)	2766 (1305)	3227 (1523)	3688 (1740)	4149 (1958)
	NC	19	32	36	41	45	49	52
48 x 20 (1219x508)	5.44	1632 (770)	2176 (1027)	2720 (1284)	3264 (1540)	3808 (1797)	4352 (2054)	4893 (2309)
	NC	19	33	38	43	47	51	54
24 x 24 (610x610)	3.3	990 (467)	1320 (623)	1650 (779)	1980 (934)	2310 (1090)	2640 (1246)	2970 (1402)
	NC	19	30	34	40	43	46	49
36 x 24 (914x610)	5.09	1527 (721)	2036 (961)	2545 (1201)	3054 (1441)	3563 (1682)	4072 (1922)	4581 (2162)
	NC	21	32	37	42	45	48	51
48 x 24 (1219x610)	6.88	2064 (974)	2752 (1299)	3440 (1623)	4128 (1948)	4816 (2273)	5504 (2598)	6192 (2922)
	NC	23	34	40	44	48	51	54

Notes:

- 1- Data is obtained from tests conducted in accordance with ANSI/ASHREA Standard 70-1991.
- 2- All pressures are in Inch of Water.
- 3- N.C values are based on octave band 2-7 sound power levels minus a room absorption of 10db.