

# BAR GRILLE PERFORMANCE DATA - SUPPLY\*\*\*

1/8" BLADES, 1/4" O.C., 0 DEGREE DEFLECTION					
UNIT	DUCT VELOCITY - F.P.M.	200	400	600	800
WIDTH	PRESSURE DROP - I.W.G.	0.01	0.04	0.09	0.15
4"	CFM/FOOT	67	133	200	267
	NC*	L	L	26	35
	THROW**	12	15	18	20
8"	CFM/FOOT	133	267	400	533
	NC*	L	L	29	36
	THROW**	14	19	23	25
12"	CFM/FOOT	200	400	600	800
	NC*	L	L	32	39
	THROW**	17	23	27	30

1/8" BLADES, 1/4" O.C., 15 DEGREE DEFLECTION					
UNIT	DUCT VELOCITY - F.P.M.	200	400	600	800
WIDTH	PRESSURE DROP - I.W.G.	0.01	0.04	0.09	0.15
4"	CFM/FOOT	67	133	200	267
	NC*	L	L	28	36
	THROW**	12	15	17	19
8"	CFM/FOOT	133	267	400	533
	NC*	L	L	31	39
	THROW**	13	18	21	23
12"	CFM/FOOT	200	400	600	800
	NC*	L	L	32	40
	THROW**	15	20	25	28

1/8" BLADES, 3/8" O.C., 0 DEGREE DEFLECTION					
UNIT	DUCT VELOCITY - F.P.M.	200	400	600	800
WIDTH	PRESSURE DROP - I.W.G.	0.01	0.04	0.09	0.15
4"	CFM/FOOT	67	133	200	267
	NC*	L	L	25	33
	THROW**	12	16	19	20
8"	CFM/FOOT	133	267	400	533
	NC*	L	L	26	34
	THROW**	14	19	24	26
12"	CFM/FOOT	200	400	600	800
	NC*	L	L	29	36
	THROW**	17	24	28	31

1/8" BLADES, 3/8" O.C., 15 DEGREE DEFLECTION					
UNIT	DUCT VELOCITY - F.P.M.	200	400	600	800
WIDTH	PRESSURE DROP - I.W.G.	0.01	0.02	0.05	0.09
4"	CFM/FOOT	67	133	200	267
	NC*	L	L	26	33
	THROW**	13	15	18	20
8"	CFM/FOOT	133	267	400	533
	NC*	L	L	28	36
	THROW**	14	18	22	24
12"	CFM/FOOT	200	400	600	800
	NC*	L	L	29	37
	THROW**	16	21	26	29

1/8" BLADES, 1/2" O.C., 0 DEGREE DEFLECTION					
UNIT	DUCT VELOCITY - F.P.M.	200	400	600	800
WIDTH	PRESSURE DROP - I.W.G.	0.01	0.02	0.05	0.09
4"	CFM/FOOT	67	133	200	267
	NC*	L	L	L	31
	THROW**	13	17	20	21
8"	CFM/FOOT	133	267	400	533
	NC*	L	L	L	31
	THROW**	15	20	25	28
12"	CFM/FOOT	200	400	600	800
	NC*	L	L	26	33
	THROW**	18	25	30	33

1/8" BLADES, 1/2" O.C., 15 DEGREE DEFLECTION					
UNIT	DUCT VELOCITY - F.P.M.	200	400	600	800
WIDTH	PRESSURE DROP - I.W.G.	0.01	0.02	0.05	0.09
4"	CFM/FOOT	67	133	200	267
	NC*	L	L	L	29
	THROW**	13	16	20	21
8"	CFM/FOOT	133	267	400	533
	NC*	L	L	L	32
	THROW**	15	19	23	26
12"	CFM/FOOT	200	400	600	800
	NC*	L	L	26	33
	THROW**	17	23	28	31

1/4" BLADES, 1/2" O.C., 0 DEGREE DEFLECTION					
UNIT	DUCT VELOCITY - F.P.M.	200	400	600	800
WIDTH	PRESSURE DROP - I.W.G.	0.01	0.04	0.09	0.16
4"	CFM/FOOT	67	133	200	267
	NC*	L	L	L	32
	THROW**	12	15	17	19
8"	CFM/FOOT	133	267	400	533
	NC*	L	L	26	35
	THROW**	14	18	21	23
12"	CFM/FOOT	200	400	600	800
	NC*	L	L	28	36
	THROW**	15	21	25	28

\* SOUND DATA BASED ON A 4 FOOT GRILLE.

"L" DESIGNATES SOUND RATING OF LESS THAN 25 NC.

SOUND CORRECTION FOR LENGTH	
LENGTH, FT.	ADDITIONAL db
4	0
8	3
12	5
16	6
24	8
40+	10

\*\* THROWS ARE BASED ON A 4 FOOT SILL GRILLE AND 100 F.P.M. VT.

\*\*\* FOR RETURN GRILLE PERFORMANCE, THE PRESSURE DROP AND NC LEVELS ARE APPROXIMATELY THE SAME AS FOR SUPPLY.



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