

TABLE 72: NC VALUES - HIGH RANGE

Size	Flow Range, CFM	CFM	Min ΔPs	Radiated NC			Discharge NC		
				ΔPs			ΔPs		
				.75"	1.5"	3.0"	.75"	1.5"	3.0"
1H	300 - 75	75	0.04	24	30	44	22	26	35
		160	0.15	25	31	45	22	29	37
		300	0.58	26	32	46	23	33	38
2H	475 - 125	125	0.04	24	29	44	22	28	35
		250	0.14	25	30	46	23	32	37
		475	0.54	26	32	47	24	34	38
3H	625 - 150	150	0.03	26	30	44	<20	29	35
		325	0.12	27	32	45	22	32	37
		625	0.48	28	33	46	24	34	38
4H	1100 - 300	300	0.04	28	32	44	21	28	34
		560	0.16	29	34	46	24	32	35
		1100	0.62	30	35	47	26	35	37
5H	1600 - 400	400	0.04	31	34	45	22	29	34
		825	0.16	32	35	46	25	33	35
		1600	0.63	33	36	46	27	35	37
6H	1500 - 400	400	0.03	32	33	44	21	30	34
		780	0.12	32	34	45	24	32	35
		1500	0.47	33	35	46	26	35	37
7H	1300 - 350	350	0.04	30	33	45	21	29	33
		650	0.14	31	34	46	23	32	35
		1300	0.55	32	35	47	25	34	36
8H	2300 - 600	600	0.05	31	34	45	22	28	33
		1170	0.19	32	35	46	24	31	34
		2300	0.73	34	37	48	27	35	36
AH	4300 - 1100	1100	0.06	32	35	44	24	28	32
		2160	0.23	34	37	46	28	31	35
		4300	0.92	-	39	48	-	36	39
BH	5300 - 1350	1350	0.06	33	35	44	25	28	33
		2650	0.23	35	36	46	27	33	36
		5300	0.91	-	38	49	-	37	38
CH	5700 - 1450	1450	0.06	34	36	46	<20	27	33
		2875	0.23	35	27	47	22	29	35
		5700	0.92	-	39	48	-	32	37
DH	13000 - 3500	3500	0.08	35	39	46	21	24	34
		6950	0.30	37	40	48	25	27	36
		13000	1.20	-	42	51	-	30	38
EH	8815 - 2325	2325	0.06	35	38	45	<20	27	33
		4400	0.21	36	39	47	24	29	35
		8815	0.81	-	41	50	-	33	37
FH	10175 - 2650	2650	0.05	36	39	47	24	26	34
		5080	0.20	38	40	49	28	29	35
		10175	0.80	-	42	51	-	32	38
GH	17130 - 5165	5165	0.06	37	43	49	23	27	36
		8565	0.22	39	44	50	25	30	37
		17130	0.85	-	45	51	-	35	38
KH	4175 - 1100	1100	0.06	34	40	45	24	28	32
		2080	0.24	36	41	47	26	31	34
		4175	0.95	-	43	49	-	37	36

Table 2: AHRI Standard 885, Appendix E

	Octave Band							
	2	3	4	5	6	7		
Radiated	2	1	0	0	0	0	0	Environmental Effect
All Sizes	16	18	20	26	31	36		Type II Mineral Fiber
	18	19	20	26	31	36		Total dB Reduction
Discharge	2	1	0	0	0	0	0	Environmental Effect
Sizes 5-7	2	4	10	20	20	14		5 ft., Duct Lining (12x12)
(300-700 cfm)	9	5	2	0	0	0		End Reflection
	6	10	18	20	21	12		5 ft., 8 in. Flex Duct
	5	6	7	8	9	10		Room Effect
	3	3	3	3	3	3		Sound Power Division
	27	29	40	51	53	39		Total dB Reduction
Discharge	2	1	0	0	0	0	0	Environmental Effect
Sizes	2	3	9	18	17	12		5 ft., Duct Lining (15x15)
8-24x16	9	5	2	0	0	0		End Reflection
(>700 cfm)	6	10	18	20	21	12		5 ft., 8 in. Flex Duct
	5	6	7	8	9	10		Room Effect
	5	5	5	5	5	5		Sound Power Division
	29	30	41	51	52	39		Total dB Reduction

Notes:

1. NC values are calculated based on procedures outlined in AHRI standard 885, appendix E
2. The Min Ps shown assumes the supply duct area is twice the smallest allowable duct size for the RF-11 terminal size shown. The pressure drop will decrease with the size of the supply duct.
3. High Range defines the size of the sensing station in the RF-11 terminal, and the orifice size is maximized for greatest flow rates at a 1" dp Sensor Signal

TABLE 73: NC VALUES - LOW RANGE

Size	Flow Range, CFM	CFM	Min ΔPs	Radiated NC			Discharge NC		
				ΔPs			ΔPs		
				.75"	1.5"	3.0"	.75"	1.5"	3.0"
1L	175 - 50	50	0.03	<20	25	38	<20	22	30
		95	0.09	24	30	44	20	29	37
		175	0.36	27	33	47	25	35	40
2L	275 - 75	75	0.02	24	29	41	<20	23	33
		150	0.08	27	32	46	22	28	35
		275	0.29	29	35	49	26	34	39
3L	400 - 100	100	0.02	23	27	40	<20	25	32
		210	0.08	25	30	43	20	28	35
		400	0.30	29	34	47	24	33	39
4L	625 - 175	175	0.02	25	29	39	<20	25	31
		330	0.09	27	31	41	21	28	33
		625	0.33	31	35	45	25	32	37
5L	950 - 250	250	0.03	25	29	41	<20	27	33
		490	0.09	28	32	44	21	30	35
		950	0.35	33	37	48	23	34	38
6L	725 - 200	200	0.02	26	27	39	<20	25	33
		375	0.06	29	31	42	<20	28	36
		725	0.22	33	36	47	22	32	38
7L	1100 - 250	250	0.03	24	27	40	<20	23	30
		585	0.12	28	31	43	22	26	32
		1100	0.48	32	36	48	27	30	36
8L	1600 - 425	425	0.03	26	28	40	<20	24	29
		815	0.12	30	32	42	22	28	33
		1600	0.45	34	38	49	26	32	37
AL	3800 - 975	975	0.06	26	29	39	22	24	29
		1925	0.21	30	32	42	27	29	31
		3800	0.83	-	38	48	-	33	35
BL	4750 - 1200	1200	0.06	22	27	37	21	22	30
		2400	0.21	29	30	41	25	27	33
		4750	0.83	-	38	47	-	31	37
CL	4600 - 1200	1200	0.05	20	27	36	<20	21	29
		2350	0.20	28	31	38	24	25	32
		4600	0.77	-	38	48	-	30	35

Table 2: AHRI Standard 885, Appendix E

	Octave Band							
	2	3	4	5	6	7		
Radiated	2	1	0	0	0	0		Environmental Effect
All Sizes	16	18	20	26	31	36		Type II Mineral Fiber
	18	19	20	26	31	36		Total dB Reduction
Discharge	2	1	0	0	0	0		Environmental Effect
Sizes 5-7	2	4	10	20	20	14		5 ft., Duct Lining (12x12)
(300-700 cfm)	9	5	2	0	0	0		End Reflection
	6	10	18	20	21	12		5 ft., 8 in. Flex Duct
	5	6	7	8	9	10		Room Effect
	3	3	3	3	3	3		Sound Power Division
	27	29	40	51	53	39		Total dB Reduction
Discharge	2	1	0	0	0	0		Environmental Effect
Sizes	2	3	9	18	17	12		5 ft., Duct Lining (15x15)
8-24x16	9	5	2	0	0	0		End Reflection
(>700 cfm)	6	10	18	20	21	12		5 ft., 8 in. Flex Duct
	5	6	7	8	9	10		Room Effect
	5	5	5	5	5	5		Sound Power Division
	29	30	41	51	52	39		Total dB Reduction

Notes:

1. NC values are calculated based on procedures outlined in AHRI standard 885, appendix E
2. The Min Ps shown assumes the supply duct area is twice the smallest allowable duct size for the RF-11 terminal size shown. The pressure drop will decrease with the size of the supply duct.
3. Low Range defines the size of the sensing station in the RF-11 terminal, and the orifice size is reduced for low flows in large ducts for greatest sensor signal amplification.