Performance Data • NC Level Application Guide

Model 36VRR

Inlet Size	Airflow		Min. inlet ΔPs		NC Levels @ Inlet Pressure (ΔPs) shown							
					DISCHARGE				RADIATED			
	cfm	l/s	"w.g.	Pa	0.5" w.g. (125 Pa)	1.0" w.g. (250 Pa)	1.5" w.g. (375 Pa)	3.0" w.g. (750 Pa)	0.5" w.g. (125 Pa)	1.0" w.g. (250 Pa)	1.5" w.g. (375 Pa)	3.0" w.g. (750 Pa)
4	225	106	0.25	62	30	35	39	44	-	21	24	30
	200	94	0.20	50	28	34	38	43	-	-	-	22
	150	71	0.10	25	23	29	33	38	-	-	-	-
	100	47	0.05	12	-	23	26	31	-	-	-	-
5	350	165	0.32	80	26	33	34	41	-	26	26	33
	300	142	0.23	57	24	30	34	39	-	21	23	30
	200	94	0.11	27	20	28	30	38	-	-	-	20
	100	47	0.03	7	-	-	21	28	-	-	-	-
6	450	212	0.22	55	26	31	35	40	20	24	28	32
	400	189	0.18	45	24	30	33	38	-	22	24	30
	300	142	0.10	25	20	25	29	34	-	-	-	23
	200	94	0.04	10	-	23	26	31	-	-	-	-
7	650	307	0.21	52	-	20	24	30	-	26	28	33
	550	260	0.14	35	-	-	20	28	-	22	24	28
	450	212	0.10	25	-	-	-	23	-	-	-	25
	350	165	0.06	15	-	-	-	-	-	-	-	-
8	800	378	0.17	42	23	28	31	38	-	26	26	33
	700	330	0.13	32	23	29	31	38	-	24	24	28
	600	283	0.10	25	21	26	30	35	-	-	21	26
	400	189	0.04	10	-	21	25	30	-	-	-	-
9	1050	496	0.17	42	24	29	33	39	-	25	29	35
	850	401	0.11	27	20	23	29	36	-	21	24	32
	650	307	0.07	17	-	25	29	35	-	-	-	26
	450	212	0.03	7	-	-	24	29	-	-	-	21
10	1350	637	0.16	40	24	30	34	40	21	28	31	36
	1150	543	0.12	30	21	28	31	35	-	24	28	33
	950	448	0.09	22	-	25	29	35	-	20	23	30
	750	354	0.05	12	-	21	24	31	-	-	-	24
12	2100	991	0.19	47	25	33	36	43	29	33	36	40
	1700	802	0.12	30	23	29	33	39	23	29	31	35
	1300	614	0.07	17	-	25	29	35	-	22	25	30
	900	425	0.03	7	-	-	23	30	-	-	-	21
14	3200	1510	0.25	62	28	35	39	45	30	35	38	43
	2700	1274	0.19	47	27	31	35	41	26	31	33	38
	2200	1038	0.12	30	23	28	31	38	21	26	29	34
	1700	802	0.06	15	-	24	28	34	-	21	23	28
16	4000	1888	0.21	52	26	33	36	44	31	36	39	45
	3500	1652	0.15	37	25	31	35	41	29	33	35	41
	3000	1416	0.11	27	23	29	31	38	24	30	32	37
	2000	944	0.04	10	-	23	28	31	-	-	23	28

Performance Notes:

1. NC levels are calculated from the published raw data and based on procedures outlined in AHRI Standard 885, Appendix E.
2. Discharge sound attenuation deductions are based on environmental effect, duct lining, branch power division, insulated flex duct, end reflection and space effect and are as follows:

Discharge attenuation	Octave Band 2	3	4	5	6	7
< 300 cfm	24	28	39	53	59	40
300 – 700 cfm	27	29	40	51	53	39
> 700 cfm	29	30	41	51	52	39

3. Radiated sound attenuation deductions are based on a mineral tile ceiling and environmental effect and are as follows:

Radiation attenuation	Octave Band 2	3	4	5	6	7
Total dB reduction	18	19	20	26	31	36

4. Min. inlet ΔPs is the minimum static pressure required to achieve rated airflow (damper full open).
5. Dash (–) in space denotes an NC level of less than 20.