

Performance Data • NC Level Application Guide

3100 Series • Basic Unit

Fiberglass Liner

Inlet Size	Airflow cfm / s		Min. inlet ΔPs "w.g. Pa	NC Levels @ Inlet Pressure (ΔPs) shown																		
				DISCHARGE (basic assembly)					DISCHARGE w/ 36" (914) attenuator					RADIATED								
				Min. ΔPs	0.5" w.g. (125 Pa)	1.0" w.g. (250 Pa)	1.5" w.g. (375 Pa)	2.0" w.g. (500 Pa)	3.0" w.g. (750 Pa)	Min. ΔPs	0.5" w.g. (125 Pa)	1.0" w.g. (250 Pa)	1.5" w.g. (375 Pa)	2.0" w.g. (500 Pa)	3.0" w.g. (750 Pa)	Min. ΔPs	0.5" w.g. (125 Pa)	1.0" w.g. (250 Pa)	1.5" w.g. (375 Pa)	2.0" w.g. (500 Pa)	3.0" w.g. (750 Pa)	
4	225	106	0.53	133	37	*	38	39	40	40	33	*	35	35	36	37	25	25	26	26	27	28
	200	94	0.43	106	35	35	36	37	38	38	32	31	33	33	34	35	22	22	23	24	24	26
	150	71	0.10	25	27	30	31	32	33	33	26	28	29	30	29	30	-	-	-	-	-	22
	100	47	0.11	28	20	23	24	25	26	26	-	22	24	24	25	26	-	-	-	-	-	-
	75	35	0.06	16	-	-	-	20	21	22	-	-	-	-	-	20	-	-	-	-	-	-
5	400	189	0.19	48	24	30	34	37	38	41	-	28	33	37	37	38	-	20	26	30	32	35
	300	142	0.11	28	-	25	29	32	33	36	-	25	29	32	33	35	-	-	20	24	27	31
	250	118	0.05	12	-	21	26	28	30	32	-	-	26	27	29	32	-	-	-	22	25	28
	200	94	0.05	13	-	-	21	23	25	27	-	-	-	21	23	26	-	-	-	-	21	25
125	59	0.02	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6	550	260	0.01	2	-	23	29	32	35	39	-	-	25	30	32	34	-	25	29	32	34	37
	450	212	0.01	2	-	-	26	29	32	36	-	-	23	27	29	32	-	21	26	29	31	34
	400	189	0.01	2	-	-	24	28	30	34	-	-	22	24	28	31	-	-	24	27	29	32
	200	94	0.01	2	-	-	-	-	21	25	-	-	-	-	-	21	-	-	-	-	-	22
	100	47	0.01	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	800	378	0.01	2	-	20	28	33	36	40	-	-	27	31	35	38	-	23	29	33	36	39
	650	307	0.01	2	-	-	27	32	35	40	-	-	26	31	32	38	-	-	26	30	33	36
	550	260	0.01	2	-	-	26	30	34	38	-	-	26	28	32	37	-	-	24	27	30	34
	335	158	0.01	2	-	-	22	26	29	34	-	-	20	25	27	32	-	-	-	23	25	29
	225	106	0.01	2	-	-	-	24	27	32	-	-	-	23	27	32	-	-	-	-	22	26
8	1100	519	0.01	2	-	24	30	34	37	41	-	22	29	32	36	40	-	26	30	34	37	41
	900	425	0.01	2	-	21	28	32	35	39	-	20	26	31	33	38	-	23	27	31	34	38
	700	330	0.01	2	-	-	26	30	33	37	-	-	25	29	31	34	-	20	24	28	31	35
	600	283	0.01	2	-	-	24	28	31	35	-	-	23	26	28	30	-	-	23	27	30	34
	400	189	0.01	2	-	-	-	24	26	30	-	-	-	22	24	27	-	-	-	22	25	29
9	1400	661	0.01	2	-	23	28	32	34	37	-	23	28	31	33	36	-	26	31	34	36	39
	1250	590	0.01	2	-	21	27	30	33	36	-	20	27	29	33	36	-	24	29	32	34	37
	900	425	0.01	2	-	-	22	26	28	31	-	-	22	26	27	29	-	-	23	26	28	32
	675	319	0.01	2	-	-	-	23	25	29	-	-	-	21	23	27	-	-	-	21	24	29
	450	212	0.01	2	-	-	-	-	23	-	-	-	-	-	-	22	-	-	-	-	20	25
10	1850	873	0.01	2	-	23	29	32	35	38	-	22	26	30	33	36	-	31	35	37	39	41
	1650	779	0.01	2	-	22	27	31	33	37	-	21	27	28	31	34	-	29	33	35	36	39
	1100	519	0.01	2	-	-	22	26	28	32	-	-	-	23	26	28	-	20	24	26	28	30
	825	389	0.01	2	-	-	-	22	25	28	-	-	-	-	22	26	-	-	-	-	23	27
	550	260	0.01	2	-	-	-	-	21	25	-	-	-	-	-	21	-	-	-	-	-	22
12	2500	1180	0.01	2	-	27	32	35	36	39	-	27	31	35	35	36	-	28	33	36	39	42
	2000	944	0.01	2	-	24	28	31	33	36	-	22	26	29	30	33	-	24	30	33	35	38
	1600	755	0.01	2	-	-	24	27	29	33	-	-	21	24	26	30	-	20	26	29	31	35
	1200	566	0.01	2	-	-	-	23	25	29	-	-	-	21	22	25	-	-	22	25	27	30
	800	378	0.01	2	-	-	-	-	23	-	-	-	-	-	-	21	-	-	-	22	24	27
14	3125	1475	0.01	2	-	29	34	36	38	40	-	29	33	35	37	39	-	25	29	32	34	37
	2700	1274	0.01	2	-	26	31	33	35	37	-	25	29	32	34	36	-	22	26	29	31	35
	2100	991	0.01	2	-	21	25	28	29	32	-	21	25	28	29	32	-	-	21	25	27	31
	1550	731	0.01	2	-	-	-	22	24	27	-	-	-	21	22	24	-	-	-	21	23	27
	1050	495	0.01	2	-	-	-	-	21	-	-	-	-	-	-	-	-	-	-	-	-	22
16	3725	1758	0.03	8	-	30	34	37	39	41	-	29	34	36	39	41	-	29	34	38	40	44
	3500	1652	0.03	8	-	28	33	35	37	40	-	25	30	35	37	38	-	28	33	37	39	43
	2800	1321	0.02	6	-	23	27	30	31	34	-	21	26	30	31	34	-	24	30	33	35	40
	2100	991	0.02	4	-	-	-	22	24	26	-	-	-	22	23	25	-	-	25	28	31	36
	1400	661	0.01	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22	25	29
24 x 16	8330	3931	0.02	5	49	50	49	52	53	53	48	48	48	51	52	52	43	44	49	51	54	57
	7000	3303	0.02	4	45	45	46	48	50	50	44	44	44	47	49	49	40	41	47	49	51	55
	6000	2831	0.01	2	40	42	43	45	47	48	38	40	42	44	45	47	36	39	45	47	49	52
	5350	2525	0.01	2	35	38	40	43	45	47	34	36	39	42	44	45	32	38	44	46	48	51
	4000	1888	0.01	2	25	31	35	37	40	42	23	30	34	36	39	41	24	35	39	43	45	47
	3000	1416	0.01	2	-	23	29	31	35	38	-	22	28	30	34	37	-	31	36	38	40	44

Performance Notes:

1. NC Levels are calculated based on procedures as outlined on page A101.
2. Dash (-) in space indicates a NC less than 20.
3. Asterisk (*) in space indicates that the minimum inlet static pressure requirement is greater than 0.5" w.g. (125 Pa) at rated airflow.