

Performance Data • NC Level Application Guide

Model Series 38S • Series Flow (Constant Volume) • Basic Unit

Unit Size	Inlet Size	Airflow		Min. inlet ΔPs		NC Levels @ Inlet Pressure (ΔPs) shown											
						DISCHARGE					RADIATED						
						Fan Only	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)	Fan Only	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)
1	4	180	85	0.08	20	23	21	21	23	23	24	-	20	20	24	25	25
		140	66	0.05	12	20	-	-	20	-	20	-	-	-	22	23	23
		90	42	0.05	12	-	-	-	-	-	-	-	-	-	20	22	21
		40	19	0.05	12	-	-	-	-	-	-	-	-	-	-	21	20
	5	260	123	0.08	20	30	29	29	29	29	29	22	24	24	28	29	31
		200	94	0.05	12	24	24	24	24	24	25	-	20	21	25	26	28
		140	66	0.05	12	20	-	-	20	-	20	-	-	-	22	23	23
		70	33	0.05	12	-	-	-	-	-	-	-	-	-	-	22	21
	6	375	177	0.05	12	38	36	37	35	36	36	29	31	31	33	35	38
		300	142	0.05	12	34	33	33	33	33	33	26	26	26	29	31	32
		200	94	0.05	12	24	24	23	24	23	25	-	20	21	24	26	29
		100	47	0.05	12	20	-	-	-	-	-	-	-	-	22	24	23
3	6	325	153	0.08	20	-	-	-	-	-	-	26	28	29	32	33	34
		290	137	0.08	20	-	-	-	-	-	-	25	28	29	32	32	34
		200	94	0.05	12	-	-	-	-	-	-	23	25	26	31	31	33
		90	42	0.05	12	-	-	-	-	-	-	21	23	24	30	29	31
	8	575	271	0.08	20	25	25	26	26	28	28	31	32	34	35	37	38
		500	236	0.08	20	21	21	23	24	25	25	30	31	32	35	36	37
		350	165	0.05	12	-	-	-	-	-	-	26	29	30	33	33	35
		150	71	0.05	12	-	-	-	-	-	-	22	24	26	30	30	32
	10	900	425	0.05	12	38	38	38	37	38	41	37	38	38	39	41	43
		800	378	0.05	12	35	35	33	33	35	35	35	37	38	38	40	41
		550	260	0.05	12	26	26	26	28	28	29	31	33	35	37	39	39
		250	118	0.05	12	-	-	-	-	-	-	24	26	26	31	31	32
5	10	1100	519	0.08	20	38	26	29	29	30	31	44	39	40	40	40	41
		900	425	0.08	20	33	21	24	24	24	26	34	31	33	36	39	41
		700	330	0.05	12	24	-	-	-	20	21	30	25	29	34	37	39
		300	142	0.05	12	-	-	-	-	-	-	21	-	23	26	30	31
	12**	1500	708	0.08	20	45	35	36	36	34	37	45	37	39	40	44	45
		1200	566	0.08	20	39	27	29	29	30	31	45	38	39	39	39	40
		900	425	0.08	20	33	21	24	24	24	26	34	29	31	34	37	39
		600	283	0.06	15	21	-	-	-	-	20	28	23	26	32	35	37

**Flat oval inlet

Performance Notes:

1. NC Levels are calculated based on procedures as outlined on page D11.
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.