

## Performance Data • Discharge Sound Power Levels

### Model 36VRR

Unit Size	Airflow cfm l/s		Min. inlet ΔPs "w.g. Pa		Sound Power Octave Bands Center @ Inlet Pressure ΔPs shown																											
					0.5" w.g. (125 Pa) ΔPs							1.0" w.g. (375 Pa) ΔPs							1.5" w.g. (375 Pa) ΔPs							3.0" w.g. (750 Pa) ΔPs						
					2	3	4	5	6	7	2	3	4	5	6	7	2	3	4	5	6	7	2	3	4	5	6	7				
4	225	106	0.25	62	72	61	56	53	47	45	76	67	65	58	53	51	79	68	65	60	55	56	83	72	71	64	60	62				
	200	94	0.20	50	70	60	55	51	46	44	75	65	60	56	52	50	78	67	63	58	54	54	82	71	67	63	59	60				
	150	71	0.10	25	66	56	51	47	43	43	71	60	56	52	48	45	74	63	59	54	51	50	78	67	63	57	55	55				
	100	47	0.05	12	61	50	47	37	38	38	66	54	51	46	42	40	69	57	54	49	45	46	73	61	59	52	45	48				
5	350	165	0.32	80	72	60	55	53	49	50	77	65	60	56	54	56	78	69	64	59	57	60	84	74	69	64	62	66				
	300	142	0.23	57	70	63	54	51	48	49	75	63	58	54	52	54	78	62	61	57	55	58	82	72	67	62	60	62				
	200	94	0.11	27	64	53	49	46	42	44	70	58	54	50	47	49	72	61	57	52	50	53	78	67	62	57	55	58				
	100	47	0.03	7	58	44	41	37	33	35	62	49	46	41	39	43	65	52	49	44	42	46	70	58	55	48	46	48				
6	450	212	0.22	55	72	60	56	53	52	46	76	65	61	59	57	51	79	68	64	61	59	54	83	73	68	64	63	56				
	400	189	0.18	45	70	58	54	53	51	44	75	63	59	58	56	49	77	72	62	59	57	52	81	71	66	63	61	55				
	300	142	0.10	25	67	54	51	50	46	42	71	59	55	53	51	45	74	62	58	55	53	48	78	66	63	59	57	52				
	200	94	0.04	10	62	48	46	45	42	40	66	53	50	43	46	41	69	56	53	50	48	44	73	61	58	53	53	49				
7	650	307	0.21	52	61	57	57	58	56	49	66	62	61	61	59	53	69	65	64	63	62	58	74	70	68	66	66	62				
	550	260	0.14	35	59	54	54	56	53	47	64	60	60	58	57	51	67	62	63	62	60	56	71	68	66	63	63	60				
	450	212	0.10	25	57	52	52	53	51	45	61	57	56	51	54	48	64	60	59	58	57	54	69	64	64	61	60	56				
	350	165	0.06	15	54	58	49	49	47	40	59	53	53	52	51	45	61	56	56	55	53	50	66	61	60	57	57	54				
8	800	378	0.17	42	71	60	57	57	55	53	75	66	62	61	59	58	78	68	64	63	61	60	83	73	68	66	65	62				
	700	330	0.13	32	69	59	56	56	54	51	74	64	60	59	58	56	76	67	63	62	60	58	81	71	67	65	64	60				
	600	283	0.10	25	68	57	55	53	52	49	72	62	58	57	56	54	75	64	61	59	58	56	79	69	66	64	61	58				
	400	189	0.04	10	65	52	49	48	46	42	68	58	54	53	52	47	71	60	57	54	52	50	75	65	61	58	56	55				
9	1050	496	0.17	42	72	62	61	58	57	52	76	67	65	62	61	57	79	69	68	65	63	62	84	75	72	68	65	65				
	850	401	0.11	27	69	59	59	56	53	50	71	64	63	60	58	54	76	67	65	62	61	59	82	71	69	66	65	62				
	650	307	0.07	17	66	56	55	53	50	46	71	61	59	56	55	51	74	64	62	59	58	55	79	69	66	62	62	60				
	450	212	0.03	7	62	52	51	48	46	41	66	56	55	52	51	44	70	59	58	54	53	50	74	64	62	59	58	57				
10	1350	637	0.16	40	72	62	60	57	57	53	77	67	64	61	61	57	80	71	67	64	64	62	85	76	72	69	68	65				
	1150	543	0.12	30	70	60	58	56	55	51	75	65	62	60	59	55	78	69	66	62	62	61	81	73	69	66	66	63				
	950	448	0.09	22	68	57	56	53	52	49	73	63	60	58	57	54	76	66	64	60	59	60	81	71	67	64	64	62				
	750	354	0.05	12	65	54	53	50	50	47	70	59	57	54	54	51	72	63	60	51	56	54	78	68	64	62	60	61				
12	2100	991	0.19	47	73	65	63	61	60	55	79	70	67	66	64	59	82	73	70	67	67	64	87	76	74	72	72	69				
	1700	802	0.12	30	71	62	60	58	57	53	76	67	65	62	61	58	79	70	67	64	64	62	84	75	72	69	68	67				
	1300	614	0.07	17	67	58	57	54	53	50	73	64	61	58	58	55	76	67	64	61	60	60	81	71	68	65	64	64				
	900	425	0.03	7	63	54	52	50	49	47	68	59	57	53	52	52	71	62	59	56	55	57	77	67	63	60	59	60				
14	3200	1510	0.25	62	75	68	66	64	63	65	81	73	71	67	66	69	84	76	73	70	69	71	89	81	77	74	73	73				
	2700	1274	0.19	47	73	65	64	61	61	63	78	70	68	65	65	67	81	73	71	68	67	69	86	78	75	71	71	72				
	2200	1038	0.12	30	70	62	61	58	58	59	75	67	66	63	63	64	78	70	68	65	64	67	83	75	72	70	68	69				
	1700	802	0.06	15	67	58	58	55	55	53	72	63	62	59	59	57	75	66	65	61	61	59	80	71	69	66	64	62				
16	4000	1888	0.21	52	74	66	66	63	62	61	79	72	71	67	67	66	82	75	73	70	70	72	88	80	78	74	73	75				
	3500	1652	0.15	37	73	65	64	62	61	60	78	70	69	66	65	62	81	74	72	68	67	68	86	79	76	72	71	72				
	3000	1416	0.11	27	71	62	63	60	59	58	76	67	67	63	63	59	78	71	70	66	66	67	83	76	74	70	68	70				
	2000	944	0.04	10	66	56	57	54	53	53	70	61	61	58	58	59	73	65	64	61	60	65	78	71	68	65	65	68				

#### Performance Notes:

- Discharge sound power is the noise emitted from the unit discharge into the downstream duct.
- Sound power levels are in decibels, dB re 10<sup>-12</sup> watts.
- All sound data listed by octave bands is raw data without any corrections for room absorption or duct attenuation.
- Min. inlet ΔPs is the minimum operating pressure requirement (damper full open).
- Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 130 and AHRI Standard 880.