

S&P USA VENTILATION SYSTEMS SOUND DATA



TRCe500: 208-230V/1 Phase

SOURCE	Estimated		RPM	Sound Power Level (dB)								Lw (dB)	LwA (dBA)
	AIRFLOW (SCFM)	ESP (in. w.g.)		62.5 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz		
Case Radiated	472	0.40	3030	63	61	60	54	41	36	30	34	66	55
	360	0.23	2459	56	57	59	46	37	31	32	28	62	52
	248	0.11	1786	55	53	56	39	34	30	29	22	60	49
Room Inlet (SA)	472	0.40	3030	64	61	59	57	53	36	31	28	67	58
	360	0.23	2459	64	56	46	50	41	37	29	27	65	50
	248	0.11	1786	63	56	52	52	44	36	32	21	64	52
Room Outlet (RA)	472	0.40	3030	63	62	63	69	64	44	42	37	72	68
	360	0.23	2459	62	59	59	66	55	40	37	32	69	64
	248	0.11	1786	57	55	56	60	49	36	30	22	64	58

TRCe800: 208-230V/1 PHASE

SOURCE	ESTIMATED		RPM	SOUND POWER LEVEL (DB)								Lw (dB)	LwA (dBA)
	AIRFLOW (SCFM)	ESP (in. w.g.)		62.5 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz		
Case Radiated	1098	0.40	2763	68	68	68	65	46	41	32	29	73	64
	846	0.24	2201	66	62	66	56	37	34	26	23	70	59
	350	0.04	1105	62	58	64	48	31	28	26	18	66	56
Room Inlet (SA)	1098	0.40	2763	66	63	67	67	48	46	37	37	72	68
	846	0.24	2201	60	60	67	57	43	41	30	32	69	63
	350	0.04	1105	57	57	62	51	37	34	23	29	64	57
Room Outlet (RA)	1098	0.40	2763	71	66	64	60	43	40	26	23	73	60
	846	0.24	2201	67	62	61	52	39	34	27	19	69	55
	350	0.04	1105	61	57	57	45	35	29	22	18	63	50

Sound Data: Actual sound levels will vary and be dependent on installation conditions including unit location, duct type, duct size, and duct run length.

Testing Method: Testing conducted per the following standards: AHRI 230 & 260, ISO 9614-1 & 9614-2. Testing conducted internally..

Testing Disclaimer Note: Hard ducted 1 m to measurement area. TRCe500 and TRCe800 data collected using INV configured units.

