

PEDV, DEDV WITHOUT ATTENUATOR - RADIATED SOUND PERFORMANCE

Size	CFM	Min ΔPs	Octave Band Sound Power, Lw																							
			1.0" ΔPs							1.5" ΔPs							2.0" ΔPs									
			2	3	4	5	6	7	NC	2	3	4	5	6	7	NC	2	3	4	5	6	7	NC			
4	100	0.02	52	48	39	36	35	31	15	53	50	41	37	37	34	17	55	51	43	38	39	36	18			
	125	0.03	55	52	42	38	36	32	20	57	54	44	40	39	36	22	58	55	45	41	40	38	23			
	150	0.04	58	55	44	40	38	34	23	60	57	46	41	40	37	25	61	58	47	42	42	39	27			
	175	0.06	61	58	46	42	39	34	27	63	59	48	43	41	38	28	64	61	49	44	43	40	30			
	200	0.08	63	60	47	43	40	35	29	65	62	49	44	42	38	31	66	63	51	45	44	41	33			
5	150	0.01	53	49	41	36	35	30	16	55	51	43	38	37	33	18	57	53	45	39	39	35	21			
	200	0.02	56	53	44	38	37	32	21	59	55	46	40	40	35	23	60	57	48	42	41	37	25			
	250	0.03	59	56	46	40	39	34	24	62	59	49	42	41	37	28	63	61	51	44	43	39	30			
	300	0.04	62	59	48	42	41	35	28	64	61	50	44	43	38	30	65	63	52	45	44	40	33			
	350	0.06	63	61	49	43	42	36	30	66	63	52	45	44	39	33	67	65	54	47	45	41	35			
6	300	0.07	59	54	45	39	37	33	22	61	57	48	41	39	36	25	63	59	50	42	41	38	28			
	350	0.10	60	57	47	41	38	34	25	62	59	50	43	40	37	28	64	62	52	44	42	39	31			
	400	0.13	61	58	49	42	39	35	27	63	61	52	44	42	38	30	65	63	54	46	43	40	33			
	450	0.16	62	60	50	44	40	36	29	64	63	53	46	43	39	33	66	65	55	47	45	41	35			
	500	0.20	63	61	51	45	41	37	30	65	64	54	47	44	40	34	67	67	56	49	46	42	37			
7	450	0.07	61	54	48	42	38	30	23	62	57	51	45	41	33	25	63	59	53	46	43	35	28			
	500	0.09	62	55	49	43	39	30	24	63	58	52	46	42	34	27	64	60	54	48	44	36	29			
	550	0.10	63	57	50	45	40	31	25	64	59	53	47	43	34	28	66	62	55	49	45	37	31			
	600	0.12	63	58	51	46	41	31	27	65	61	54	48	44	35	30	66	63	56	50	46	37	33			
	650	0.15	64	59	52	47	41	32	28	65	62	55	49	44	35	31	66	64	57	51	46	38	34			
8	600	0.02	62	55	49	43	43	39	24	64	58	52	46	45	44	27	65	60	54	47	47	47	29			
	650	0.02	63	56	50	44	44	40	25	65	59	53	47	46	45	28	66	61	55	48	48	48	30			
	700	0.02	63	57	50	45	44	41	25	65	60	53	47	47	45	29	67	62	56	49	49	48	31			
	750	0.02	64	58	51	46	45	41	27	66	61	54	48	48	46	30	67	63	56	50	50	49	33			
	800	0.03	65	59	52	47	46	42	28	66	62	55	49	48	47	31	68	64	57	51	50	50	34			
9	800	0.04	61	53	49	42	40	35	23	62	57	52	46	44	38	26	63	59	55	48	47	40	29			
	850	0.04	61	54	49	43	41	35	23	63	58	53	46	45	38	27	64	60	55	49	47	40	29			
	900	0.05	62	55	50	43	41	35	24	64	58	53	47	45	38	27	65	61	56	49	48	40	30			
	950	0.06	62	56	50	43	42	36	24	64	59	54	47	45	38	28	65	62	56	49	48	40	31			
	1000	0.06	63	56	50	44	42	36	25	65	60	54	47	46	39	29	66	62	57	50	48	40	31			
10	900	0.01	63	57	53	50	48	37	27	65	60	57	53	52	41	31	67	63	59	56	54	44	34			
	1000	0.01	64	58	54	51	49	38	28	66	61	57	54	53	42	31	67	64	59	56	55	45	34			
	1100	0.01	65	58	54	52	50	39	28	67	62	57	55	54	43	31	68	64	60	57	56	46	35			
	1200	0.01	65	59	54	53	51	40	28	67	63	58	56	55	44	33	69	65	60	58	57	47	35			
	1300	0.01	66	60	55	53	52	41	29	68	63	58	56	55	45	33	69	66	61	58	58	48	36			
12	1200	0.01	62	56	52	47	43	37	26	64	59	56	50	46	41	30	66	61	58	53	49	43	32			
	1400	0.01	63	57	54	48	45	39	28	65	60	57	52	48	42	31	67	63	60	54	51	45	35			
	1600	0.01	64	59	55	49	46	40	29	66	62	59	53	50	44	34	68	64	61	55	52	47	36			
	1800	0.01	65	60	56	50	48	41	30	67	63	60	54	51	45	35	69	65	62	56	54	48	37			
	2000	0.01	66	61	57	51	49	43	31	68	64	61	55	52	47	36	69	67	63	57	55	49	38			
14	1500	0.02	60	56	50	48	45	41	24	62	59	53	51	48	45	28	64	61	55	53	50	47	30			
	1800	0.03	62	58	51	49	46	42	27	64	60	54	52	49	45	29	66	63	56	54	51	48	33			
	2100	0.04	63	59	52	50	47	43	28	66	62	55	53	50	46	31	67	64	58	55	52	49	34			
	2400	0.05	64	60	53	51	48	43	29	67	63	56	54	51	47	33	69	65	58	56	53	49	35			
	2700	0.06	66	61	54	52	49	44	30	68	64	57	55	52	47	34	70	66	59	57	54	50	36			
16	2000	0.02	59	53	47	45	44	38	21	61	56	50	47	47	41	24	63	58	52	49	49	44	27			
	2400	0.02	61	56	49	47	46	39	24	64	59	52	49	49	43	28	65	61	54	51	51	46	30			
	2800	0.03	63	58	51	48	47	41	27	66	61	54	50	50	45	30	67	63	55	52	52	48	33			
	3200	0.04	65	60	52	50	49	42	29	67	62	55	52	52	46	31	69	64	57	53	54	49	34			
	3600	0.05	66	61	54	51	50	44	30	69	64	56	53	53	48	34	71	66	58	55	55	50	36			

- Radiated sound is the noise transmitted through the unit casing
- Min ΔPs is the static pressure drop from the unit inlet to the unit outlet with the cold damper full open
- Sound power levels are in dB, ref 10<sup>-12</sup> watts
- Sound performance based on units lined with standard dual density fiberglass lining
- All performance based on tests conducted in accordance with ASHRAE 130-2008 and AHRI 880-2011
- All NC levels determined using AHRI 885-2008 Appendix E. See Terminal Unit Engineering Guidelines.
- Dash (-) in space denotes NC value less than NC10
- Only highlighted data points are AHRI certified. Refer to page M38 for AHRI Certified Performance Listings.

PEDV, DEDV WITHOUT ATTENUATOR - DISCHARGE SOUND PERFORMANCE

Size	CFM	Min ΔPs	Octave Band Sound Power, Lw																							
			1.0" ΔPs							1.5" ΔPs							2.0" ΔPs									
			2	3	4	5	6	7	NC	2	3	4	5	6	7	NC	2	3	4	5	6	7	NC			
4	100	0.02	68	58	51	46	47	41	25	69	60	54	49	50	46	26	70	61	56	51	53	49	28			
	125	0.03	70	62	54	49	49	43	28	71	63	57	52	52	47	29	72	64	59	54	55	51	30			
	150	0.04	72	64	57	51	50	44	30	73	66	60	54	54	49	31	73	67	61	56	57	52	31			
	175	0.06	73	67	59	53	51	45	31	74	68	62	56	55	50	33	75	70	64	58	58	53	34			
	200	0.08	74	69	61	55	53	46	33	75	71	63	58	56	51	34	76	72	65	60	59	54	35			
5	150	0.01	67	57	52	47	47	42	24	69	59	55	50	51	46	26	70	61	58	52	53	49	28			
	200	0.02	70	60	56	51	49	44	28	72	63	59	53	53	48	30	73	65	61	55	55	51	31			
	250	0.03	72	64	58	53	51	45	30	74	66	61	56	55	50	33	75	68	63	58	57	53	34			
	300	0.04	74	66	60	55	53	46	29	75	69	63	58	56	51	33	76	71	66	60	59	54	31			
	350	0.06	75	68	62	57	54	47	30	77	71	65	60	57	52	33	78	73	67	61	60	55	34			
6	300	0.07	69	64	59	54	51	46	23	72	67	62	57	54	50	26	74	69	64	58	56	53	29			
	350	0.10	71	66	61	56	52	47	25	73	69	64	59	55	51	28	75	71	66	60	58	54	31			
	400	0.13	72	68	62	58	53	48	27	75	71	65	60	57	52	31	76	73	67	62	59	55	33			
	450	0.16	73	69	64	59	54	49	28	76	72	67	62	58	53	32	78	75	69	63	60	56	36			
	500	0.20	74	71	65	61	55	50	31	77	74	68	63	59	54	34	79	76	70	65	61	57	37			
7	450	0.07	72	65	58	54	51	46	26	73	69	60	56	54	49	28	75	71	62	58	56	52	31			
	500	0.09	72	67	59	56	52	47	26	74	70	62	58	55	50	30	75	73	63	59	57	53	33			
	550	0.10	73	68	60	57	53	48	28	74	72	63	59	56	51	32	76	74	64	60	58	54	34			
	600	0.12	73	69	61	58	54	48	28	75	73	63	60	57	52	33	76	75	65	61	59	55	36			
	650	0.15	73	71	62	59	55	49	31	75	74	64	61	58	53	34	77	76	66	62	59	55	37			
8	600	0.02	74	68	59	55	52	47	29	76	71	61	56	55	51	31	77	74	63	57	57	54	34			
	650	0.02	75	69	60	56	53	47	30	76	72	62	57	55	51	32	77	75	64	58	57	54	36			
	700	0.02	75	70	60	56	53	48	30	77	73	63	58	56	52	33	78	76	64	59	58	55	37			
	750	0.02	75	71	61	57	54	48	30	77	74	63	58	56	52	33	78	77	65	60	58	55	37			
	800	0.03	76	72	62	58	54	49	31	77	75	64	59	57	53	34	79	77	66	60	59	56	37			
9	800	0.04	74	65	60	57	54	49	26	75	68	62	59	57	53	28	76	70	64	60	59	56	29			
	850	0.04	74	66	60	57	54	50	26	76	69	62	59	57	54	29	77	71	64	61	59	56	30			
	900	0.05	75	67	61	57	55	50	28	77	69	63	59	57	54	30	78	71	65	61	59	57	31			
	950	0.06	76	67	61	58	55	50	29	77	70	63	60	58	54	30	78	72	65	61	60	57	31			
	1000	0.06	76	68	61	58	55	50	29	78	71	64	60	58	54	31	79	73	65	62	60	57	33			
10	900	0.01	75	66	61	59	55	50	28	76	69	64	61	58	54	29	77	72	66	63	61	57	31			
	1000	0.01	76	67	62	60	56	51	29	77	70	65	62	59	55	30	78	73	67	64	61	57	32			
	1100	0.01	77	68	63	61	56	51	30	78	71	65	63	60	55	31	79	73	67	65	62	58	33			
	1200	0.01	77	69	63	61	57	52	30	79	72	66	64	60	56	33	80	74	68	66	63	59	34			
	1300	0.01	78	69	64	62	58	53	31	79	73	67	65	61	56	33	80	75	68	66	63	59	34			
12	1200	0.01	74	68	63	59	57	52	26	76	71	65	62	60	56	30	77	73	67	64	62	59	32			
	1400	0.01	75	70	65	61	59	53	28	77	73	67	63	61	57	32	78	75	69	65	63	60	34			
	1600	0.01	76	71	66	62	59	55	30	78	74	68	64	62	58	33	79	76	70	66	64	61	36			
	1800	0.01	77	72	67	63	60	56	31	78	75	70	65	63	59	34	79	77	71	67	65	62	37			
	2000	0.01	77	73	68	64	61	56	32	79	76	71	66	64	60	36	80	78	72	68	66	63	38			
14	1500	0.02	70	63	61	59	57	53	21	72	67	63	62	62	59	25	74	69	65	65	65	62	27			
	1800	0.03	71	65	62	59	58	53	23	73	68	65	63	62	59	26	75	71	67	65	65	63	30			
	2100	0.04	72	66	64	60	58	54	24	74	69	66	63	63	59	27	76	72	68	66	66	63	31			
	2400	0.05	73	67	65	60	59	54	25	75	70	68	64	63	59	28	76	73	69	66	66	63	32			
	2700	0.06	74	68	66	61	59	54	26	76	71	69	64	63	60	30	77	74	70	67	66	63	33			
16	2000	0.02	70	63	60	58	56	51	21	72	66	62	61	59	54	24	73	68	63	63	61	57	26			
	2400	0.02	72	66	63	60	58	52	24	74	68	64	62	61	56	26	75	70	66	64	62	58	28			
	2800	0.03	74	68	65	61	59	54	26	76	70	66	64	62	57	29	77	72	68	66	64	60	31			
	3200	0.04	75	69	66	62	60	55	28	77	72	68	65	63	59	31	78	73	70	67	65	61	32			
	3600	0.05	76	71	68	63	61	56	30	78	73	70	66	64	60	32	80	75	71	68	66	62	34			

- Discharge sound is the noise emitted from the unit discharge into the downstream ductwork
- Min ΔPs is the static pressure drop from the unit inlet to the unit outlet with the cold damper full open
- Sound power levels are in dB, ref 10<sup>-12</sup> watts
- Sound performance based on units lined with standard dual density fiberglass lining

- All performance based on tests conducted in accordance with ASHRAE 130-2008 and AHRI 880-2011
- All NC levels determined using AHRI 885-2008 Appendix E. See Terminal Unit Engineering Guidelines.
- Dash (-) in space denotes NC value less than NC10
- Only highlighted data points are AHRI certified. Refer to page M38 for AHRI Certified Performance Listings.