

PT SERIES ROUND RETROFIT ATU PERFORMANCE DATA

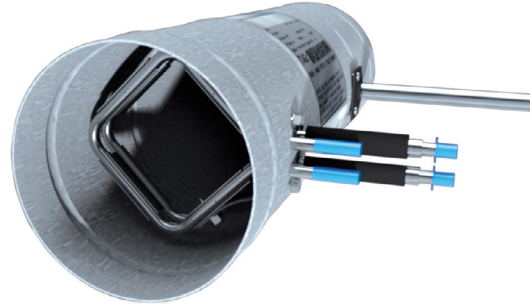
Performance Aire's series of retrofit terminal units enable the conversion of existing constant volume systems to more energy efficient variable air volume (VAV) systems. By converting to a VAV system, owners can take advantage of the inherent diversity of their buildings. This diversity allows the reduction of total system air volume which reduces central fan energy and refrigeration energy. In existing dual duct and reheat systems, wasted energy can be saved by conversion to VAV.

With the demands of today's building designs to reduce energy in smaller mechanical spaces with little downtime, the METALAIR retrofit terminal unit is the perfect choice.

Retrofit units are not certified by AHRI and do not currently fall in the scope of the AHRI Standard 880 Certification program.

STANDARD FEATURES

- PT Series is available in six sizes from 4" to 16" to handle 80 CFM – 4,200 CFM.
- 22 ga. galvanized steel casing, mechanically sealed, low leakage construction.
- Damper constructed of double layer, 18 ga. equivalent, galvanized steel with sandwiched flexible gasket, mechanically fastened to provide tight seal (<1% at 3.0" wg static pressure).
- Multi-quadrant, averaging flow sensor for highly accurate (+/-5%) flow readings with varying inlet duct configurations after certified balancer has balanced terminal.
- Metal inlet sensor with easily accessible, steel balancing taps.
- PT Series has beaded inlet and discharge for added rigidity and aids in secure flex duct connections.



PT SERIES RADIATED SOUND POWER at ΔPS = 0.50, 0.75 and 1.0 in. wg

Unit Size	CFM (L/s)		Min Ps in. wg (Pa)		ΔPs = 0.50 in. wg (125 Pa)					ΔPs = 0.75 in. wg (187 Pa)					ΔPs = 1.0 in. wg (500 Pa)										
					Octave Band Sound Power, Lw, dB					NC	Octave Band Sound Power, Lw, dB					NC	Octave Band Sound Power, Lw, dB					NC			
					2	3	4	5	6		7	2	3	4	5		6	7	2	3	4		5	6	7
04 / 05 4 & 5 inch	50	(24)	0.005	(1)	41	32	19	19	15	7	< 15	42	33	20	20	16	8	< 15	43	34	21	21	17	9	< 15
	100	(47)	0.015	(4)	43	34	23	22	19	13	< 15	44	35	24	23	20	14	< 15	45	36	25	24	21	15	< 15
	150	(71)	0.027	(7)	46	38	29	26	21	16	< 15	47	39	30	27	22	17	< 15	48	40	31	28	23	18	< 15
	200	(94)	0.038	(9)	49	41	35	29	23	18	< 15	50	42	36	30	24	19	< 15	51	43	37	31	25	20	< 15
	250	(118)	0.059	(15)	51	43	39	32	28	26	< 15	52	44	40	33	29	27	< 15	53	45	41	34	30	28	< 15
	300	(142)	0.071	(18)	53	46	43	35	32	30	17	54	47	44	36	33	31	18	55	48	45	37	34	32	19
06 6 inch	100	(47)	0.005	(1.2)	43	34	23	22	19	13	< 15	44	35	24	23	20	14	< 15	45	36	25	24	21	15	< 15
	200	(94)	0.020	(5.0)	49	41	35	29	23	18	< 15	50	42	36	30	24	19	< 15	51	43	37	31	25	20	< 15
	300	(142)	0.045	(11.2)	53	46	43	35	32	30	17	54	47	44	36	33	31	18	55	48	45	37	34	32	19
	400	(189)	0.080	(19.9)	55	50	46	41	38	32	20	56	51	47	42	39	33	21	57	52	48	43	40	34	22
	500	(236)	0.125	(31.1)	57	53	48	44	40	34	22	58	54	49	45	41	35	23	59	55	50	46	42	36	24
	600	(283)	0.180	(44.8)	58	55	50	46	42	36	24	59	56	51	47	43	37	25	60	57	52	48	44	38	26
08 8 inch	200	(94)	0.000	(0.0)	48	36	25	20	17	16	< 15	50	39	30	26	20	19	< 15	51	41	35	30	23	20	< 15
	300	(142)	0.001	(0.2)	51	40	33	25	20	19	< 15	53	43	37	31	24	21	< 15	55	46	42	36	28	24	16
	600	(283)	0.003	(0.7)	54	44	37	33	25	20	< 15	57	48	40	35	28	23	18	59	52	43	38	31	27	21
	700	(330)	0.004	(1.0)	56	46	40	35	27	21	17	58	50	42	37	30	25	20	61	53	45	40	33	28	23
	1000	(472)	0.008	(2.0)	60	52	46	42	34	27	22	62	54	48	44	36	30	25	65	57	50	45	39	33	29
	1100	(519)	0.009	(2.2)	61	53	48	44	37	30	23	63	55	50	45	38	32	26	66	58	51	47	40	35	30
10 10 inch	300	(142)	0.002	(0.5)	43	38	29	20	18	18	< 15	45	40	32	23	19	19	< 15	47	42	36	26	21	20	< 15
	600	(283)	0.009	(2.2)	47	46	37	30	26	22	< 15	50	48	42	33	28	24	15	52	51	46	36	31	25	20
	800	(378)	0.013	(3.2)	48	48	40	34	28	22	15	50	50	43	36	31	24	18	53	53	47	39	33	26	21
	1000	(472)	0.018	(4.5)	49	49	42	36	29	24	16	51	52	45	38	32	26	20	54	54	48	40	34	28	22
	1100	(519)	0.021	(5.2)	51	50	44	38	30	24	18	53	53	46	40	33	27	21	55	55	49	41	35	29	24
	1400	(661)	0.028	(7.0)	55	55	48	42	34	28	24	58	57	49	43	36	30	26	60	58	50	43	37	31	27
	1700	(802)	0.036	(9.0)	57	55	43	39	35	32	24	60	58	49	44	39	34	27	63	61	55	50	42	36	31

**PT SERIES RADIATED SOUND POWER at $\Delta P_s = 0.50, 0.75$ and 1.0 in. wg
(continued)**

Unit Size	CFM (L/s)	Min Ps in. wg (Pa)		$\Delta P_s = 0.50$ in. wg (125 Pa)							$\Delta P_s = 0.75$ in. wg (187 Pa)							$\Delta P_s = 1.0$ in. wg (500 Pa)									
				Octave Band Sound Power, Lw, dB							NC	Octave Band Sound Power, Lw, dB							NC	Octave Band Sound Power, Lw, dB							NC
				2	3	4	5	6	7	NC		2	3	4	5	6	7	NC		2	3	4	5	6	7	NC	
12 12 inch	430 (203)	0.000 (0.1)	46	37	29	22	19	20	< 15	49	39	32	25	21	21	< 15	51	41	36	28	23	23	< 15				
	800 (378)	0.001 (0.2)	50	42	35	28	26	29	< 15	52	45	40	32	29	31	< 15	54	48	45	36	32	32	19				
	1450 (684)	0.008 (2.0)	52	47	43	36	31	31	17	55	49	47	39	34	33	21	57	52	50	41	37	36	24				
	1600 (755)	0.010 (2.5)	54	48	46	39	33	32	20	56	50	48	40	35	35	22	58	53	51	42	38	37	25				
	1950 (920)	0.015 (3.7)	55	51	50	42	37	36	24	57	53	51	43	39	37	25	59	54	52	44	41	39	26				
	2200 (1038)	0.022 (5.5)	56	52	51	43	39	37	25	58	53	52	44	40	39	26	61	55	53	45	42	40	27				
	2500 (1180)	0.025 (6.2)	57	52	44	36	38	38	20	59	55	50	42	41	41	24	62	58	56	48	45	43	31				
14 14 inch	550 (260)	0.000 (0.0)	52	38	36	28	25	20	< 15	53	39	37	29	26	21	< 15	54	40	38	30	27	22	< 15				
	925 (437)	0.000 (0.1)	53	41	39	31	27	22	< 15	54	42	40	32	28	23	< 15	55	43	41	33	29	24	16				
	1600 (755)	0.001 (0.2)	56	46	44	35	31	26	18	57	47	45	36	32	27	19	58	48	46	37	33	28	20				
	1900 (897)	0.001 (0.2)	57	50	49	39	33	28	23	58	51	50	40	34	29	24	59	52	51	41	35	30	25				
	2100 (991)	0.001 (0.3)	59	54	51	42	36	31	25	60	55	52	43	37	32	26	61	56	53	44	38	33	27				
	2600 (1227)	0.002 (0.4)	62	56	54	43	40	36	29	63	57	55	44	41	37	30	64	58	56	45	42	38	31				
	3250 (1534)	0.003 (0.7)	64	60	57	46	44	40	32	65	61	58	47	45	41	33	66	62	59	48	46	42	34				
16 16 inch	750 (354)	0.001 (0.4)	54	39	30	24	19	17	< 15	54	41	33	28	21	19	< 15	55	43	35	30	24	20	16				
	1100 (519)	0.006 (1.5)	56	45	36	29	24	20	17	56	47	39	32	26	22	17	57	49	41	34	29	24	18				
	1500 (708)	0.010 (2.6)	58	51	41	35	31	26	20	58	53	44	38	33	28	21	59	55	46	40	36	30	24				
	2400 (1133)	0.023 (5.7)	60	53	44	40	37	33	22	60	55	47	42	38	34	24	60	57	49	43	40	35	26				
	2800 (1321)	0.030 (7.5)	61	54	47	42	39	35	23	61	56	49	44	40	36	25	62	58	51	45	42	37	27				
	3600 (1699)	0.045 (11.1)	62	57	52	46	42	39	26	63	59	53	48	43	40	28	64	60	55	49	44	41	30				
	4400 (2076)	0.060 (15.0)	65	61	57	50	46	43	32	66	62	58	51	47	44	33	67	63	58	52	48	45	33				

1. Performance data contained within a bold border outline are AHRI certified data.
2. Performance data not contained within a bold border outline are application ratings. Application ratings are outside the scope of the Certification Program.
3. Performance data is obtained from laboratory testing in accordance with AHRI 880-2011 and ANSI / ASHRAE 130-2008.
4. NC values are calculated using attenuation credits outlined in Appendix E of AHRI 885-2008.
5. Discharge Sound power levels shown with End Reflection Corrections Included in dB (ref: 10^{-12} watts).
6. Minimum Ps is the static pressure drop across the air terminal unit while the inlet damper is in the wide-open position at a given airflow rate.

PT SERIES RADIATED SOUND POWER at ΔPS = 1.50, 2.0 and 3.0 in. wg

Unit Size	CFM (L/s)		Min Ps in. wg (Pa)		ΔPs = 1.5 in. wg (375 Pa)					ΔPs = 2.0 in. wg (500 Pa)					ΔPs = 3.0 in. wg (750 Pa)										
					Octave Band Sound Power, Lw, dB					NC	Octave Band Sound Power, Lw, dB					NC	Octave Band Sound Power, Lw, dB					NC			
					2	3	4	5	6		7	2	3	4	5		6	7	2	3	4		5	6	7
04 / 05 4 & 5 inch	50	(24)	0.005	(1)	44	35	22	22	18	11	< 15	44	36	23	22	19	13	< 15	45	38	25	24	23	18	< 15
	100	(47)	0.015	(4)	46	37	26	25	22	17	< 15	46	38	27	25	23	19	< 15	47	40	29	27	27	24	< 15
	150	(71)	0.027	(7)	49	41	32	29	24	20	< 15	49	42	33	29	25	22	< 15	50	44	35	31	29	27	< 15
	200	(94)	0.038	(9)	52	44	38	32	26	22	< 15	52	45	39	32	27	24	< 15	53	47	41	34	31	29	< 15
	250	(118)	0.059	(15)	54	46	42	35	31	30	15	54	47	43	35	32	32	17	55	49	45	37	36	37	19
	300	(142)	0.071	(18)	56	49	46	38	35	34	20	56	50	47	38	36	36	21	57	52	49	40	40	41	23
06 6 inch	100	(47)	0.005	(1.2)	46	37	26	25	22	17	< 15	46	38	27	25	23	19	< 15	47	40	29	27	27	24	< 15
	200	(94)	0.020	(5.0)	52	44	38	32	26	22	< 15	52	45	39	32	27	24	< 15	53	47	41	34	31	29	< 15
	300	(142)	0.045	(11.2)	56	49	46	38	35	34	20	56	50	47	38	36	36	21	57	52	49	40	40	41	23
	400	(189)	0.080	(19.9)	58	53	49	44	41	36	23	58	54	50	44	42	38	24	59	56	52	46	46	43	26
	500	(236)	0.125	(31.1)	60	56	51	47	43	38	25	61	57	52	47	44	40	26	61	59	54	49	48	45	29
	600	(283)	0.180	(44.8)	61	58	53	49	45	40	27	62	59	54	49	46	42	29	62	61	56	51	50	47	31
08 8 inch	200	(94)	0.000	(0.0)	52	42	37	33	26	22	< 15	52	43	38	35	29	23	< 15	53	45	39	36	32	27	< 15
	300	(142)	0.001	(0.2)	55	46	43	38	32	29	17	55	46	43	40	35	33	17	56	47	45	42	40	38	19
	600	(283)	0.003	(0.7)	60	55	47	42	35	32	24	61	57	51	45	39	36	26	61	59	54	49	43	41	29
	700	(330)	0.004	(1.0)	62	57	49	44	37	33	26	63	60	53	47	40	37	29	64	61	56	51	44	41	31
	1000	(472)	0.008	(2.0)	67	60	53	48	42	36	31	68	63	56	50	44	39	33	70	66	60	54	47	42	37
	1100	(519)	0.009	(2.2)	68	61	54	50	43	38	32	69	64	57	52	45	40	34	71	67	61	56	49	44	38
10 10 inch	300	(142)	0.002	(0.5)	50	46	40	30	25	24	< 15	54	45	40	32	26	22	< 15	56	47	42	35	29	26	17
	600	(283)	0.009	(2.2)	55	55	50	40	35	29	24	59	55	49	43	39	35	24	60	56	50	45	42	40	25
	800	(378)	0.013	(3.2)	56	57	51	43	37	30	26	61	60	53	46	42	38	29	63	62	56	49	45	42	32
	1000	(472)	0.018	(4.5)	57	58	52	44	38	32	27	62	63	56	49	44	40	33	64	67	60	52	47	45	38
	1100	(519)	0.021	(5.2)	58	58	52	44	38	32	27	63	64	57	50	45	41	34	65	68	61	53	48	47	39
	1400	(661)	0.028	(7.0)	63	62	54	47	41	35	32	70	66	58	52	47	44	37	71	70	63	56	50	49	41
	1700	(802)	0.036	(9.0)	66	65	59	54	46	40	35	72	67	60	55	50	48	38	73	72	64	58	53	51	44

**PT SERIES RADIATED SOUND POWER at ΔPS = 1.50, 2.0 and 3.0 in. wg
(continued)**

Unit Size	CFM (L/s)	Min Ps in. wg (Pa)		ΔPs = 1.5 in. wg (375 Pa)							ΔPs = 2.0 in. wg (500 Pa)							ΔPs = 3.0 in. wg (750 Pa)									
				Octave Band Sound Power, Lw, dB							NC	Octave Band Sound Power, Lw, dB							NC	Octave Band Sound Power, Lw, dB							NC
				2	3	4	5	6	7	NC		2	3	4	5	6	7	NC		2	3	4	5	6	7	NC	
12 12 inch	430 (203)	0.000 (0.1)	54	45	40	31	26	26	< 15	55	47	41	34	29	28	16	56	47	44	38	34	33	18				
	800 (378)	0.001 (0.2)	57	51	49	40	35	35	23	58	54	53	45	40	41	27	58	56	56	50	46	47	31				
	1450 (684)	0.008 (2.0)	60	55	53	44	40	39	27	62	60	58	49	44	43	33	63	64	63	55	49	48	38				
	1600 (755)	0.010 (2.5)	61	56	54	45	41	40	29	63	60	58	49	44	44	33	65	65	63	55	49	48	38				
	1950 (920)	0.015 (3.7)	62	58	56	47	44	42	31	64	62	60	51	47	45	35	66	67	64	56	50	49	39				
	2200 (1038)	0.022 (5.5)	64	59	57	49	45	44	32	66	62	60	52	48	47	35	68	66	64	56	51	50	39				
	2500 (1180)	0.025 (6.2)	65	61	59	51	48	46	34	67	65	63	55	51	49	38	69	68	67	60	54	51	43				
14 14 inch	550 (260)	0.000 (0.0)	55	41	39	31	28	23	16	55	41	39	31	28	23	16	56	42	40	32	29	24	17				
	925 (437)	0.000 (0.1)	56	43	41	33	30	24	17	56	44	42	34	30	25	17	57	45	43	35	31	26	18				
	1600 (755)	0.001 (0.2)	58	49	46	38	33	28	20	59	49	47	38	34	29	21	60	50	48	39	35	30	22				
	1900 (897)	0.001 (0.2)	60	53	52	41	36	31	26	60	53	52	42	36	31	26	61	54	53	43	37	32	27				
	2100 (991)	0.001 (0.3)	62	57	54	45	39	34	29	62	57	54	45	39	34	29	63	58	55	46	40	35	30				
	2600 (1227)	0.002 (0.4)	65	59	57	46	43	39	32	65	59	57	46	43	39	32	66	60	58	47	44	40	33				
	3250 (1534)	0.003 (0.7)	67	63	60	49	47	43	35	67	63	60	49	47	43	35	68	64	61	50	48	44	36				
16 16 inch	750 (354)	0.001 (0.4)	56	45	39	33	28	23	17	57	47	42	36	31	26	18	59	51	47	40	36	30	21				
	1100 (519)	0.006 (1.5)	58	51	45	39	34	28	20	59	53	49	44	38	32	23	61	56	51	49	40	35	25				
	1500 (708)	0.010 (2.6)	60	57	51	45	41	36	26	61	59	55	50	45	42	30	63	61	57	53	49	47	32				
	2400 (1133)	0.023 (5.7)	63	61	55	49	46	42	31	65	65	60	54	51	48	35	68	67	64	60	58	56	39				
	2800 (1321)	0.030 (7.5)	64	62	56	50	47	44	32	67	66	61	56	53	50	37	69	69	65	62	61	59	41				
	3600 (1699)	0.045 (11.1)	67	64	59	54	50	47	34	69	67	63	58	56	53	38	71	70	67	64	63	62	43				
	4400 (2076)	0.060 (15.0)	69	66	62	56	54	51	37	71	69	65	60	59	56	41	73	72	69	66	65	64	45				

1. Performance data contained within a bold border outline are AHRI certified data.
2. Performance data not contained within a bold border outline are application ratings. Application ratings are outside the scope of the Certification Program.
3. Performance data is obtained from laboratory testing in accordance with AHRI 880-2011 and ANSI / ASHRAE 130-2008.
4. NC values are calculated using attenuation credits outlined in Appendix E of AHRI 885-2008.
5. Discharge Sound power levels shown with End Reflection Corrections Included in dB (ref: 10⁻¹² watts).
6. Minimum Ps is the static pressure drop across the air terminal unit while the inlet damper is in the wide-open position at a given airflow rate.

PT SERIES DISCHARGE SOUND POWER at $\Delta P_s = 0.50, 0.75$ and 1.0 in. wg

Unit Size	CFM (L/s)		Min Ps in. wg (Pa)		$\Delta P_s = 0.50$ in. wg (125 Pa)							$\Delta P_s = 0.75$ in. wg (187 Pa)							$\Delta P_s = 1.0$ in. wg (500 Pa)									
					Octave Band Sound Power, Lw, dB							NC	Octave Band Sound Power, Lw, dB							NC	Octave Band Sound Power, Lw, dB							NC
					2	3	4	5	6	7	2		3	4	5	6	7	2	3		4	5	6	7				
04 / 05 4 & 5 inch	50	(24)	0.005	(1)	67	57	40	37	33	26	23	69	61	46	41	37	33	26	70	63	57	51	41	33	27			
	100	(47)	0.015	(4)	69	58	42	39	34	28	26	70	62	48	42	38	34	27	71	64	58	51	42	36	29			
	150	(71)	0.027	(7)	71	59	44	41	35	30	29	72	63	49	44	39	35	30	72	65	59	52	44	38	30			
	200	(94)	0.038	(9)	72	60	45	43	36	31	30	73	64	50	46	40	36	31	73	66	59	53	46	39	31			
	250	(118)	0.059	(15)	74	61	48	44	38	33	32	75	66	52	47	41	37	34	74	67	60	53	47	42	32			
	300	(142)	0.071	(18)	76	63	50	47	39	35	31	76	67	54	49	42	38	31	74	69	62	54	48	45	29			
06 6 inch	100	(47)	0.005	(1.2)	65	55	40	38	33	28	21	66	59	46	41	37	34	22	67	61	56	50	41	36	23			
	200	(94)	0.020	(5.0)	68	57	43	42	35	31	25	69	61	48	45	39	36	26	69	63	57	52	45	39	26			
	300	(142)	0.045	(11.2)	72	60	48	46	38	35	26	72	64	52	48	41	38	26	70	66	60	53	47	45	25			
	400	(189)	0.080	(19.9)	73	65	53	51	42	40	27	75	68	56	53	45	42	30	71	67	61	54	48	49	26			
	500	(236)	0.125	(31.1)	74	68	58	55	47	44	29	76	71	60	57	48	45	31	74	71	65	59	53	52	31			
	600	(283)	0.180	(44.8)	76	72	62	59	51	48	32	78	74	64	60	52	49	34	75	73	67	63	56	53	33			
08 8 inch	200	(94)	0.000	(0.0)	65	55	47	41	34	30	21	66	58	51	44	37	34	22	69	62	56	50	44	42	26			
	300	(142)	0.001	(0.2)	67	59	49	44	38	33	20	68	62	53	47	41	37	21	71	66	59	54	49	45	25			
	600	(283)	0.003	(0.7)	72	65	55	52	43	39	26	74	67	57	54	46	42	29	76	71	62	59	53	48	31			
	700	(330)	0.004	(1.0)	74	67	57	55	45	40	29	75	69	59	56	48	43	30	77	72	64	61	59	56	32			
	1000	(472)	0.008	(2.0)	78	72	63	61	52	47	31	80	73	65	64	54	49	34	82	76	68	66	58	53	36			
	1100	(519)	0.009	(2.2)	79	73	65	63	56	50	32	81	74	67	65	56	51	35	83	77	70	68	60	54	38			
10 10 inch	300	(142)	0.002	(0.5)	61	57	46	43	36	31	< 15	62	60	50	46	39	35	18	65	64	55	52	46	43	22			
	600	(283)	0.009	(2.2)	65	61	50	46	38	36	19	67	64	52	49	42	39	22	70	67	58	54	49	46	26			
	800	(378)	0.013	(3.2)	68	64	53	49	41	39	21	70	66	55	51	44	42	24	72	70	60	56	51	48	28			
	1000	(472)	0.018	(4.5)	71	65	55	52	41	36	22	72	67	57	53	44	39	25	74	70	62	58	55	52	28			
	1100	(519)	0.021	(5.2)	71	66	57	53	45	43	24	73	68	59	55	48	45	26	75	71	63	58	53	51	29			
	1400	(661)	0.028	(7.0)	75	72	62	59	52	50	31	77	73	64	62	54	52	32	79	76	67	64	58	56	35			
	1700	(802)	0.036	(9.0)	79	76	65	64	59	55	35	81	77	67	66	59	56	37	83	80	70	69	63	59	40			

**PT SERIES DISCHARGE SOUND POWER at ΔPS = 0.50, 0.75 and 1.0 in. wg
(continued)**

Unit Size	CFM (L/s)	Min Ps in. wg (Pa)		ΔPs = 0.50 in. wg (125 Pa)							ΔPs = 0.75 in. wg (187 Pa)							ΔPs = 1.0 in. wg (500 Pa)									
				Octave Band Sound Power, Lw, dB							NC	Octave Band Sound Power, Lw, dB							NC	Octave Band Sound Power, Lw, dB							NC
				2	3	4	5	6	7	NC		2	3	4	5	6	7	NC		2	3	4	5	6	7	NC	
12 12 inch	430 (203)	0.000 (0.1)	60	48	45	41	33	33	< 15	62	51	48	44	38	39	< 15	65	56	52	50	46	45	17				
	800 (378)	0.001 (0.2)	61	54	46	43	39	33	< 15	63	58	50	47	43	40	< 15	67	64	57	55	52	49	21				
	1450 (684)	0.008 (2.0)	64	59	52	48	45	42	15	66	62	56	52	50	48	19	70	67	62	59	58	56	25				
	1600 (755)	0.010 (2.5)	66	62	53	50	47	45	19	67	64	57	53	52	50	21	71	68	63	60	59	57	26				
	1950 (920)	0.015 (3.7)	68	66	59	56	54	53	24	70	67	60	57	57	56	25	73	70	64	62	62	60	28				
	2200 (1038)	0.022 (5.5)	70	65	63	61	61	57	22	72	66	63	62	62	59	24	75	71	66	64	64	62	29				
	2500 (1180)	0.025 (6.2)	73	66	64	60	59	59	25	75	67	65	63	62	61	27	77	72	68	66	66	64	31				
14 14 inch	550 (260)	0.000 (0.0)	63	52	46	41	32	30	< 15	64	53	48	43	35	32	16	57	55	51	46	37	39	< 15				
	925 (437)	0.000 (0.1)	68	57	52	46	40	39	18	69	58	53	48	43	41	20	63	60	55	51	48	45	16				
	1600 (755)	0.001 (0.2)	75	70	65	61	57	50	28	75	70	65	61	58	52	28	67	65	66	59	55	49	22				
	1900 (897)	0.001 (0.2)	75	70	67	62	59	53	28	75	71	67	63	59	54	29	69	67	68	61	57	51	25				
	2100 (991)	0.001 (0.3)	76	71	68	63	60	54	29	76	72	68	64	60	55	31	70	69	73	63	58	53	27				
	2600 (1227)	0.002 (0.4)	77	75	69	65	61	57	34	78	75	69	66	61	57	34	76	75	76	67	63	57	34				
	3250 (1534)	0.003 (0.7)	82	77	74	70	64	62	37	82	77	74	71	65	64	37	84	79	79	73	68	62	39				
16 16 inch	750 (354)	0.001 (0.4)	65	60	54	52	46	42	16	66	61	55	53	48	44	18	68	63	58	55	51	47	20				
	1100 (519)	0.006 (1.5)	67	64	59	54	48	43	21	68	66	60	55	50	45	24	70	68	64	59	55	50	26				
	1500 (708)	0.010 (2.6)	71	68	62	55	49	44	26	72	70	65	58	52	46	28	74	74	70	66	59	54	33				
	2400 (1133)	0.023 (5.7)	77	73	66	60	55	51	32	77	74	68	62	56	52	33	79	77	72	67	62	57	37				
	2800 (1321)	0.030 (7.5)	78	74	68	62	57	53	33	78	75	69	63	58	54	34	80	78	73	68	63	58	38				
	3600 (1699)	0.045 (11.1)	78	75	71	64	59	56	34	79	75	72	65	60	56	34	81	78	74	69	64	60	38				
	4400 (2076)	0.060 (15.0)	81	77	75	68	62	59	37	81	77	76	69	63	60	37	84	80	77	73	68	64	40				

1. Performance data contained within a bold border outline are AHRI certified data.
2. Performance data not contained within a bold border outline are application ratings. Application ratings are outside the scope of the Certification Program.
3. Performance data is obtained from laboratory testing in accordance with AHRI 880-2011 and ANSI / ASHRAE 130-2008.
4. NC values are calculated using attenuation credits outlined in Appendix E of AHRI 885-2008.
5. Discharge Sound power levels shown with End Reflection Corrections Included in dB (ref: 10⁻¹² watts).
6. Minimum Ps is the static pressure drop across the air terminal unit while the inlet damper is in the wide-open position at a given airflow rate.

PT SERIES DISCHARGE SOUND POWER at $\Delta P_s = 1.50, 2.0$ and 3.0 in. wg

Unit Size	CFM (L/s)		Min Ps in. wg (Pa)		$\Delta P_s = 1.5$ in. wg (375 Pa)							$\Delta P_s = 2.0$ in. wg (500 Pa)							$\Delta P_s = 3.0$ in. wg (750 Pa)									
					Octave Band Sound Power, Lw, dB							NC	Octave Band Sound Power, Lw, dB							NC	Octave Band Sound Power, Lw, dB							NC
					2	3	4	5	6	7	2		3	4	5	6	7	2	3		4	5	6	7				
04 / 05 4 & 5 inch	50	(24)	0.005	(1)	71	64	56	51	42	33	29	71	64	56	51	42	33	29	73	66	55	53	44	35	31			
	100	(47)	0.015	(4)	72	65	58	51	43	36	30	72	65	58	51	43	36	30	74	67	58	53	45	38	32			
	150	(71)	0.027	(7)	73	66	59	52	45	38	31	73	66	59	52	45	38	31	75	68	59	54	47	40	34			
	200	(94)	0.038	(9)	74	67	59	53	47	39	32	74	67	59	53	47	39	32	76	69	59	55	49	41	35			
	250	(118)	0.059	(15)	75	68	61	53	48	42	34	75	68	61	53	48	42	34	77	70	63	55	50	44	36			
	300	(142)	0.071	(18)	75	70	63	54	49	45	30	75	70	63	54	49	45	30	77	72	65	56	51	47	32			
06 6 inch	100	(47)	0.005	(1.2)	68	62	56	50	42	36	25	68	62	56	50	42	36	25	70	64	56	52	44	38	27			
	200	(94)	0.020	(5.0)	70	64	57	52	46	39	27	70	64	57	52	46	39	27	72	66	57	54	48	41	30			
	300	(142)	0.045	(11.2)	71	67	61	53	48	45	26	71	67	61	53	48	45	26	73	69	63	55	50	47	28			
	400	(189)	0.080	(19.9)	72	68	62	54	49	49	27	72	68	62	54	49	49	27	74	70	64	56	51	51	29			
	500	(236)	0.125	(31.1)	75	72	66	59	54	52	32	75	72	66	59	54	52	32	77	74	68	61	56	54	34			
	600	(283)	0.180	(44.8)	76	74	68	63	57	53	34	76	74	68	63	57	53	34	78	76	70	65	59	55	37			
08 8 inch	200	(94)	0.000	(0.0)	69	62	57	51	46	44	26	69	62	57	51	46	44	26	71	64	58	53	48	47	29			
	300	(142)	0.001	(0.2)	71	66	61	56	53	48	25	71	66	61	56	53	48	25	73	67	62	57	57	52	27			
	600	(283)	0.003	(0.7)	77	71	65	61	56	51	32	77	71	65	61	56	51	32	79	73	67	63	59	54	35			
	700	(330)	0.004	(1.0)	78	73	66	62	59	56	34	78	73	66	62	59	56	34	80	75	68	64	61	57	36			
	1000	(472)	0.008	(2.0)	83	77	70	67	60	54	38	83	77	70	67	60	54	38	85	78	72	68	63	57	40			
	1100	(519)	0.009	(2.2)	84	78	72	69	61	55	39	84	78	72	69	61	55	39	86	80	73	70	63	59	41			
10 10 inch	300	(142)	0.002	(0.5)	65	64	56	53	48	45	22	65	64	56	53	48	45	22	67	66	57	55	50	48	25			
	600	(283)	0.009	(2.2)	71	68	61	57	52	49	27	71	68	61	57	52	49	27	73	70	63	59	55	53	29			
	800	(378)	0.013	(3.2)	73	70	63	58	54	51	28	73	70	63	58	54	51	28	75	72	65	61	57	54	31			
	1000	(472)	0.018	(4.5)	75	71	64	59	55	52	29	75	71	64	59	55	52	29	77	73	66	61	57	53	32			
	1100	(519)	0.021	(5.2)	76	72	65	60	56	53	31	76	72	65	60	56	53	31	77	74	68	62	59	55	33			
	1400	(661)	0.028	(7.0)	80	77	69	65	60	57	37	80	77	69	65	60	57	37	82	78	71	66	63	60	38			
	1700	(802)	0.036	(9.0)	84	81	72	70	64	60	41	84	81	72	70	64	60	41	86	83	74	71	66	64	44			

**PT SERIES DISCHARGE SOUND POWER at Δ PS = 1.50, 2.0 and 3.0 in. wg
(continued)**

Unit Size	CFM (L/s)	Min Ps in. wg (Pa)		Δ Ps = 1.5 in. wg (375 Pa)							Δ Ps = 2.0 in. wg (500 Pa)							Δ Ps = 3.0 in. wg (750 Pa)									
				Octave Band Sound Power, Lw, dB							NC	Octave Band Sound Power, Lw, dB							NC	Octave Band Sound Power, Lw, dB							NC
				2	3	4	5	6	7	2		3	4	5	6	7	2	3		4	5	6	7	NC			
12 12 inch	430 (203)	0.000 (0.1)	67	58	54	54	51	50	20	67	58	54	54	51	50	20	69	59	56	56	56	54	22				
	800 (378)	0.001 (0.2)	69	66	60	59	58	55	24	69	66	60	59	58	55	24	70	67	61	62	63	60	25				
	1450 (684)	0.008 (2.0)	73	70	66	63	62	60	28	73	70	66	63	62	60	28	74	72	69	68	66	64	31				
	1600 (755)	0.010 (2.5)	74	71	67	64	63	61	29	74	71	67	64	63	61	29	75	73	70	69	67	65	32				
	1950 (920)	0.015 (3.7)	76	72	67	65	64	63	31	76	72	67	65	64	63	31	78	74	71	70	68	66	33				
	2200 (1038)	0.022 (5.5)	77	73	68	66	66	64	32	77	73	68	66	66	64	32	79	75	71	71	69	67	34				
	2500 (1180)	0.025 (6.2)	79	74	70	67	67	66	33	79	74	70	67	67	66	33	80	76	72	73	70	68	35				
14 14 inch	550 (260)	0.000 (0.0)	57	55	52	47	38	40	< 15	57	55	52	47	38	40	< 15	58	57	55	53	39	43	< 15				
	925 (437)	0.000 (0.1)	63	60	56	52	49	46	16	63	60	56	52	49	46	16	64	62	59	58	50	49	19				
	1600 (755)	0.001 (0.2)	67	65	67	60	56	50	22	67	65	67	60	56	50	22	68	67	70	66	57	53	25				
	1900 (897)	0.001 (0.2)	69	67	69	62	58	52	25	69	67	69	62	58	52	25	70	69	72	68	59	55	27				
	2100 (991)	0.001 (0.3)	70	69	74	64	59	54	27	70	69	74	64	59	54	27	71	71	77	70	60	57	31				
	2600 (1227)	0.002 (0.4)	76	75	77	68	64	58	34	76	75	77	68	64	58	34	77	77	80	74	65	61	37				
	3250 (1534)	0.003 (0.7)	84	79	80	74	69	63	39	84	79	80	74	69	63	39	85	81	83	80	70	66	41				
16 16 inch	750 (354)	0.001 (0.4)	69	64	59	56	52	48	21	69	64	59	56	52	48	21	70	65	61	58	53	50	22				
	1100 (519)	0.006 (1.5)	71	69	66	61	58	52	27	71	69	66	61	58	52	27	72	70	67	63	60	55	28				
	1500 (708)	0.010 (2.6)	75	76	71	70	64	58	35	75	76	71	70	64	58	35	75	77	74	72	69	63	37				
	2400 (1133)	0.023 (5.7)	80	78	74	71	65	60	38	80	78	74	71	65	60	38	82	80	76	76	70	65	40				
	2800 (1321)	0.030 (7.5)	81	79	75	71	66	61	39	81	79	75	71	66	61	39	83	81	77	76	71	65	41				
	3600 (1699)	0.045 (11.1)	82	80	76	72	67	63	40	82	80	76	72	67	63	40	84	82	79	76	72	66	42				
	4400 (2076)	0.060 (15.0)	85	81	78	76	70	66	41	85	81	78	76	70	66	41	86	84	81	78	74	69	45				

1. Performance data contained within a bold border outline are AHRI certified data.
2. Performance data not contained within a bold border outline are application ratings. Application ratings are outside the scope of the Certification Program.
3. Performance data is obtained from laboratory testing in accordance with AHRI 880-2011 and ANSI / ASHRAE 130-2008.
4. NC values are calculated using attenuation credits outlined in Appendix E of AHRI 885-2008.
5. Discharge Sound power levels shown with End Reflection Corrections Included in dB (ref: 10^{-12} watts).
6. Minimum Ps is the static pressure drop across the air terminal unit while the inlet damper is in the wide-open position at a given airflow rate.