

Single Duct Air Terminal Units

ATU-BP-600

DISCHARGE SOUND POWER at Minimum Pressures and $\Delta P_s = 1.0$ in. wg

Unit Size	CFM (L/s)		Min Ps in. wg (Pa)		Min Ps							$\Delta P_s = 1.0$ in. wg (250 Pa)								
					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			
604 / 605 4 & 5 inch	100	(47)	0.005	(1.2)	51	36	30	26	24	16	<15	60	55	51	48	43	41	<15		
	150	(71)	0.012	(3.0)	54	39	33	29	27	19	<15	63	58	54	51	46	44	18		
	200	(94)	0.050	(12.4)	57	42	36	32	30	22	<15	66	61	57	54	49	47	22		
	250	(118)	0.055	(13.7)	57	46	40	38	33	24	<15	67	64	59	58	51	49	24		
606 6 inch	200	(94)	0.050	(12.4)	57	42	36	32	30	22	<15	66	61	57	54	49	47	22		
	300	(142)	0.080	(19.9)	56	50	45	43	35	25	<15	68	66	62	61	53	51	25		
	400	(189)	0.130	(32.4)	61	57	52	51	44	39	<15	71	68	65	65	56	54	27		
	600	(283)	0.300	(74.7)	72	68	64	62	55	52	27	77	76	72	73	63	60	37		
608 8 inch	400	(189)	0.020	(5.0)	63	46	40	36	36	25	<15	68	66	64	64	55	52	25		
	500	(236)	0.030	(7.5)	63	51	46	43	33	23	<15	71	67	65	66	57	53	26		
	700	(330)	0.050	(12.4)	65	59	56	53	45	38	17	75	71	70	70	61	57	31		
	1000	(472)	0.100	(24.9)	72	68	64	63	55	49	26	80	77	76	75	67	62	37		
610 10 inch	600	(283)	0.020	(5.0)	62	48	43	37	28	24	<15	68	65	65	62	55	53	24		
	800	(378)	0.030	(7.5)	63	56	50	46	37	27	<15	73	70	69	65	58	56	28		
	1100	(519)	0.050	(12.4)	66	62	58	54	46	41	19	75	73	72	69	62	59	32		
	1600	(755)	0.100	(24.9)	70	65	66	61	58	54	22	79	76	77	74	66	64	35		
612 12 inch	1100	(519)	0.040	(10.0)	59	51	48	45	37	27	<15	71	69	68	61	66	56	27		
	1200	(566)	0.050	(12.4)	63	53	51	48	40	32	<15	72	70	68	67	61	58	28		
	1500	(708)	0.082	(20.4)	63	60	58	55	48	42	16	74	72	74	72	66	61	31		
	1600	(755)	0.099	(24.5)	64	60	59	56	49	43	16	74	73	74	73	67	62	32		
	2200	(1038)	0.150	(37.3)	67	62	62	61	55	51	19	77	76	77	76	70	65	35		
614 14 inch	1500	(708)	0.050	(12.4)	58	59	54	47	41	36	15	74	73	71	65	61	58	32		
	1800	(850)	0.070	(17.4)	58	62	61	54	49	46	19	75	74	75	67	63	59	33		
	2100	(991)	0.100	(24.9)	64	65	65	58	53	50	22	77	76	77	70	65	61	35		
	2400	(1133)	0.130	(32.4)	69	68	68	62	56	53	26	79	78	79	72	67	63	38		
	3000	(1416)	0.200	(49.8)	77	74	74	68	63	60	33	82	81	84	76	70	67	41		
616 16 inch	2000	(944)	0.060	(14.9)	59	54	55	53	45	38	<15	75	70	69	67	62	58	28		
	2800	(1321)	0.120	(29.9)	66	63	64	63	56	51	20	77	77	76	74	68	64	37		
	3200	(1510)	0.160	(39.8)	70	78	68	67	60	55	38	79	78	78	76	70	66	38		
	3600	(1699)	0.210	(52.3)	73	71	73	72	65	60	29	79	80	81	78	72	66	40		
	4000	(1888)	0.250	(62.2)	76	74	74	72	65	60	33	82	80	82	80	74	69	40		

1. Performance data is in accordance with AHRI 880-2011 and ANSI / ASHRAE 130-2008.
2. NC values are calculated using attenuation credits outlined in Appendix E of AHRI 885-2008.
3. Discharge Sound power levels shown with End Reflection Corrections Included in dB (ref: 10^{-12} watts).
4. 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.