



Sound Power Data

Ducted Discharge

Model	Fan Setting	Octave Band							
		1	2	3	4	5	6	7	8
		Centre Frequency (Hz)							
		63	125	250	500	1000	2000	4000	8000
Max 30e LV	100% (Y2)	73	70	67	64	60	59	59	45
	83% (W2)	72	67	65	61	57	57	56	42
	60% (Y1)	67	63	61	58	54	53	51	36
	20% (G)	67	55	50	48	43	38	36	29
Max 50e LV	100% (Y2)	83	84	83	75	72	71	70	62
	83% (W2)	81	83	81	73	70	69	68	60
	60% (Y1)	79	80	78	70	66	66	65	56
	20% (G)	72	69	66	60	56	55	54	42
Max 70e	100% (Y2)	80	82	74	67	65	66	64	53
	83% (W2)	79	80	71	65	62	63	62	50
	60% (Y1)	78	75	67	61	59	59	58	47
	20% (G)	68	61	54	48	45	45	44	30
Max 50e	100% (Y2)	82	79	74	69	63	64	62	51
	83% (W2)	81	79	73	68	62	63	62	50
	60% (Y1)	78	77	70	65	60	60	59	48
	20% (G)	72	68	60	57	51	49	48	34

Ducted Inlet

Model	Fan Setting	Octave Band							
		1	2	3	4	5	6	7	8
		Centre Frequency (Hz)							
		63	125	250	500	1000	2000	4000	8000
Max 30e LV	100% (Y2)	71	61	61	64	59	52	48	38
	83% (W2)	68	59	60	63	58	50	45	35
	60% (Y1)	67	56	58	61	54	46	40	31
	20% (G)	69	54	51	52	42	35	30	28
Max 50e LV	100% (Y2)	81	79	79	73	69	63	61	56
	83% (W2)	80	77	77	72	68	61	60	54
	60% (Y1)	78	74	74	69	65	58	56	50
	20% (G)	70	64	63	62	57	47	44	36
Max 70e	100% (Y2)	81	80	75	68	70	70	68	61
	83% (W2)	80	77	71	66	68	66	64	56
	60% (Y1)	-	-	-	-	-	-	-	-
	20% (G)	72	64	57	57	57	52	48	37
Max 50e	100% (Y2)	81	76	74	72	69	63	60	53
	83% (W2)	81	76	74	72	69	63	60	53
	60% (Y1)	79	73	71	70	67	60	57	50
	20% (G)	72	64	61	64	59	50	45	36

Casing Radiated Ducted Inlet & Discharge

Model	Fan Setting	Octave Band							
		1	2	3	4	5	6	7	8
		Centre Frequency (Hz)							
		63	125	250	500	1000	2000	4000	8000
Max 30e LV	100% (Y2)	60	63	57	57	49	44	41	31
	83% (W2)	62	61	57	55	48	42	38	30
	60% (Y1)	62	57	54	53	45	39	34	28
	20% (G)	54	47	47	45	35	30	29	28
Max 50e LV	100% (Y2)	77	81	75	67	59	54	50	42
	83% (W2)	75	80	72	65	57	52	48	40
	60% (Y1)	73	78	69	62	54	48	45	36
	20% (G)	66	68	58	54	46	38	35	29
Max 70e	100% (Y2)	76	78	70	64	60	56	52	45
	83% (W2)	76	77	68	63	59	55	50	44
	60% (Y1)	74	74	65	60	56	52	46	39
	20% (G)	64	61	50	50	44	37	31	28
Max 50e	100% (Y2)	71	74	68	64	58	52	46	41
	83% (W2)	70	73	67	64	58	51	45	40
	60% (Y1)	69	71	65	62	56	48	42	36
	20% (G)	63	63	56	55	48	39	33	28

1. The method used in conducting this test was based on the ANSI/AHRI Standard 260 2012 *Standard for Sound Rating of Ducted Air Moving and Air Conditioning Equipment*
2. Determination of sound power levels for AIRMAX Technologies Inc. fan coil systems based on reverberation room test methodology of ANSI/AHRI Standard 260-2012 and sound level calculation methodology of ANSI/AHRI Standard 260-2012 and ANSI/AHRI Standard 220-2012.
3. The reverberation room was used for the test and was qualified in accordance with ANSI S12.51 Annex E and ARI 280 for sound measurements from 50 to 10,000 hertz.
4. Ratings are based on actual CFM, at specified unit external static pressure, with no cooling coil or filter present.
5. Power levels are in dB RE 10⁻¹² watts.