



**HARTZELL FAN, INC.
SOUND INFORMATION
SERIES 37
SD-141**

March 27, 2003



Hartzell Fan, Inc. certifies that the Series 37 Fiberglass Upblast Roof Ventilator is licensed to bear the AMCA seal for air and sound. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

MODEL	# BL	SP	RPM	SOUND POWER LEVEL BY OCTAVE BAND							
				1	2	3	4	5	6	7	8
12-FW	6	0.000	2095	89	83	96	83	81	77	73	73
12-FW	6	0.000	2410	92	87	100	89	85	81	77	76
12-FW	6	0.125	2410	91	87	98	88	84	80	76	76
12-FW	6	0.000	2765	94	92	101	95	88	85	81	79
12-FW	6	0.125	2765	94	92	100	94	88	84	80	79
12-FW	6	0.250	2765	93	92	98	93	87	83	80	79
16-FW	6	0.000	1800	85	87	96	84	82	79	73	73
16-FW	6	0.125	1800	84	87	96	85	83	79	73	73
16-FW	6	0.250	1800	83	87	96	85	83	78	73	73
16-FW	6	0.000	2060	87	90	99	89	86	83	77	76
16-FW	6	0.125	2060	87	90	99	89	86	82	77	76
16-FW	6	0.250	2060	86	90	100	90	86	82	77	76
16-FW	6	0.375	2060	85	90	98	89	86	81	77	76
16-FW	6	0.000	2340	89	93	101	94	89	86	81	79
16-FW	6	0.125	2340	89	93	101	95	89	86	81	79
16-FW	6	0.250	2340	89	93	102	95	89	86	81	79
16-FW	6	0.375	2340	88	93	102	96	90	86	81	79
16-FW	6	0.500	2340	88	93	100	94	89	85	80	78
18-FW	6	0.000	1510	82	93	87	83	80	77	73	72
18-FW	6	0.125	1510	83	93	87	83	80	76	73	72
18-FW	6	0.250	1510	83	92	89	83	80	76	73	72
18-FW	6	0.000	1720	84	95	91	86	84	80	76	75
18-FW	6	0.125	1720	84	95	91	86	84	80	76	75
18-FW	6	0.250	1720	84	95	91	86	84	80	76	75
18-FW	6	0.375	1720	84	94	94	87	84	80	75	75
18-FW	6	0.000	1955	86	97	96	90	87	84	79	78
18-FW	6	0.125	1955	86	97	96	90	87	84	79	78
18-FW	6	0.250	1955	87	97	96	90	87	84	79	78
18-FW	6	0.375	1955	87	96	97	91	87	83	79	78
18-FW	6	0.500	1955	87	96	99	91	88	83	79	78
18-FW	6	0.000	2240	89	98	103	94	91	87	83	81
18-FW	6	0.125	2240	89	98	103	94	91	87	83	81
18-FW	6	0.250	2240	89	98	103	94	91	87	83	81
18-FW	6	0.375	2240	89	99	103	94	91	87	83	81
18-FW	6	0.500	2240	89	98	103	95	91	87	83	81
20-FW	6	0.000	1410	78	92	87	83	81	76	69	61
20-FW	6	0.125	1410	78	91	87	83	81	76	69	61
20-FW	6	0.250	1410	78	90	87	84	81	75	68	61
20-FW	6	0.000	1610	79	94	91	87	85	80	73	65
20-FW	6	0.125	1610	79	94	91	87	85	80	73	65
20-FW	6	0.250	1610	79	93	90	87	85	80	73	66
20-FW	6	0.375	1610	79	92	92	88	85	79	72	65
20-FW	6	0.500	1610	79	92	94	89	85	78	71	64
20-FW	6	0.000	1775	79	96	94	89	87	83	76	68
20-FW	6	0.125	1775	79	96	94	89	87	83	76	69
20-FW	6	0.250	1775	80	95	94	89	87	83	76	69
20-FW	6	0.375	1775	80	94	94	90	88	83	76	69
20-FW	6	0.500	1775	80	94	96	91	88	82	75	68
20-FW	6	0.000	2030	81	97	100	93	91	87	81	73
20-FW	6	0.125	2030	82	96	100	93	91	87	81	73
20-FW	6	0.250	2030	82	96	99	93	91	87	81	73
20-FW	6	0.375	2030	82	95	99	93	91	87	81	74
20-FW	6	0.500	2030	83	95	99	94	91	87	80	73

THE SOUND POWER LEVEL RATINGS SHOWN ARE IN DECIBELS, REFERRED TO 10^{-12} WATTS, CALCULATED PER AMCA STANDARD 301. VALUES SHOWN ARE FOR OUTLET (LW_o) SOUND POWER LEVELS FOR INSTALLATION TYPE C: DUCTED INLET, FREE OUTLET. RATINGS INCLUDE THE EFFECTS OF DUCT END CORRECTION.

MODEL	#	BL	SP	RPM	SOUND POWER LEVEL BY OCTAVE BAND							
					1	2	3	4	5	6	7	8
24-FW	6	0.000	1185	81	91	90	84	81	77	74	74	
24-FW	6	0.125	1185	81	91	90	84	81	77	74	74	
24-FW	6	0.250	1185	80	90	90	85	82	77	74	74	
24-FW	6	0.000	1540	85	95	97	92	88	85	81	79	
24-FW	6	0.125	1540	85	95	97	92	88	85	81	79	
24-FW	6	0.250	1540	85	95	97	92	88	85	81	79	
24-FW	6	0.375	1540	85	94	97	92	89	85	81	79	
24-FW	6	0.500	1540	85	95	97	92	89	85	80	79	
24-FW	6	0.000	1940	89	98	103	99	94	91	87	84	
24-FW	6	0.125	1940	89	98	103	99	94	91	87	84	
24-FW	6	0.250	1940	89	98	103	99	94	91	87	84	
24-FW	6	0.375	1940	89	98	103	99	94	91	87	84	
24-FW	6	0.500	1940	89	97	103	100	94	91	87	84	
28-FW	6	0.000	905	82	91	87	81	78	73	70	70	
28-FW	6	0.125	905	82	91	87	81	78	73	70	70	
28-FW	6	0.000	1165	85	97	95	88	85	80	76	76	
28-FW	6	0.125	1165	85	97	95	88	85	80	76	76	
28-FW	6	0.250	1165	85	97	95	88	85	80	76	76	
28-FW	6	0.375	1165	85	96	95	88	85	80	76	76	
28-FW	6	0.500	1165	86	95	95	88	85	80	76	76	
28-FW	6	0.000	1470	89	99	102	96	91	87	83	81	
28-FW	6	0.125	1470	89	99	102	96	91	87	83	81	
28-FW	6	0.250	1470	89	99	102	96	91	87	83	81	
28-FW	6	0.375	1470	89	99	102	96	91	87	83	81	
28-FW	6	0.500	1470	89	99	102	96	91	87	83	81	
32-FW	6	0.000	795	83	88	87	84	80	73	68	65	
32-FW	6	0.125	795	82	87	86	83	79	74	69	66	
32-FW	6	0.250	795	82	87	86	83	79	74	70	66	
32-FW	6	0.000	1000	86	94	93	90	86	81	75	71	
32-FW	6	0.125	1000	85	93	92	89	86	81	75	71	
32-FW	6	0.250	1000	84	92	92	89	86	81	76	72	
32-FW	6	0.375	1000	84	92	92	89	86	81	76	72	
32-FW	6	0.500	1000	84	92	92	89	86	81	76	72	
32-FW	6	0.000	1360	89	100	101	98	94	91	83	79	
32-FW	6	0.125	1360	89	100	101	98	94	91	83	80	
32-FW	6	0.250	1360	88	99	101	97	94	90	84	80	
32-FW	6	0.375	1360	88	99	101	97	94	90	84	80	
32-FW	6	0.500	1360	88	99	100	97	94	90	84	81	
36-FW	6	0.000	705	86	87	86	82	82	72	66	60	
36-FW	6	0.125	705	84	87	86	82	80	73	68	63	
36-FW	6	0.250	705	84	87	86	82	80	73	68	64	
36-FW	6	0.000	885	88	93	92	89	87	81	73	67	
36-FW	6	0.125	885	87	92	91	88	86	81	74	69	
36-FW	6	0.250	885	86	92	91	89	86	80	75	70	
36-FW	6	0.375	885	86	92	91	89	86	80	75	70	
36-FW	6	0.500	885	86	92	91	89	86	80	75	70	
36-FW	6	0.000	1205	90	102	99	98	93	93	82	76	
36-FW	6	0.125	1205	90	101	99	97	93	92	82	77	
36-FW	6	0.250	1205	89	101	99	97	93	91	83	78	
36-FW	6	0.375	1205	89	100	99	97	93	91	83	78	
36-FW	6	0.500	1205	89	100	99	97	93	91	83	79	

THE SOUND POWER LEVEL RATINGS SHOWN ARE IN DECIBELS, REFERRED TO 10^{-12} WATTS, CALCULATED PER AMCA STANDARD 301. VALUES SHOWN ARE FOR OUTLET (LWO) SOUND POWER LEVELS FOR INSTALLATION TYPE C: DUCTED INLET, FREE OUTLET. RATINGS INCLUDE THE EFFECTS OF DUCT END CORRECTION.

MODEL	# BL	SP	RPM	SOUND POWER LEVEL BY OCTAVE BAND							
				1	2	3	4	5	6	7	8
40-FW	6	0.000	675	97	93	88	85	81	75	70	66
40-FW	6	0.125	675	95	92	88	84	81	75	70	66
40-FW	6	0.250	675	94	92	88	84	81	75	71	66
40-FW	6	0.000	845	94	102	94	91	87	83	77	72
40-FW	6	0.125	845	93	102	94	91	87	82	77	72
40-FW	6	0.250	845	92	101	94	90	87	82	77	73
40-FW	6	0.375	845	92	100	94	90	86	82	77	73
40-FW	6	0.500	845	92	100	94	90	86	82	77	73
40-FW	6	0.000	1145	89	115	103	99	95	92	85	81
40-FW	6	0.125	1145	89	114	103	99	95	92	85	81
40-FW	6	0.250	1145	89	113	102	99	95	91	85	81
40-FW	6	0.375	1145	89	112	102	99	95	91	85	81
40-FW	6	0.500	1145	90	112	102	99	95	91	85	81
44-FW	6	0.000	660	93	97	94	88	84	78	71	69
44-FW	6	0.125	660	92	97	94	88	83	78	72	69
44-FW	6	0.250	660	92	97	94	87	83	78	73	70
44-FW	6	0.000	895	98	104	104	98	91	89	79	76
44-FW	6	0.125	895	97	104	104	97	91	89	79	77
44-FW	6	0.250	895	96	104	104	97	91	89	80	77
44-FW	6	0.375	895	96	104	105	96	91	89	80	77
44-FW	6	0.500	895	95	103	105	97	91	88	81	78
44-FW	6	0.000	1125	102	108	109	105	98	95	87	82
44-FW	6	0.125	1125	101	108	109	105	98	95	87	82
44-FW	6	0.250	1125	101	108	110	105	98	95	87	83
44-FW	6	0.375	1125	100	108	110	104	98	95	88	83
44-FW	6	0.500	1125	100	108	110	104	98	94	88	83
48-FW	6	0.000	590	98	95	91	87	83	78	72	69
48-FW	6	0.125	590	97	94	91	88	83	78	72	69
48-FW	6	0.250	590	95	94	92	88	83	78	73	70
48-FW	6	0.000	790	104	103	99	95	91	88	80	76
48-FW	6	0.125	790	103	103	99	96	91	88	80	77
48-FW	6	0.250	790	102	103	99	96	91	87	80	77
48-FW	6	0.375	790	102	103	99	96	91	87	81	77
48-FW	6	0.500	790	101	102	99	97	92	87	81	78
48-FW	6	0.000	995	108	110	106	102	97	94	87	82
48-FW	6	0.125	995	107	110	106	102	97	94	87	83
48-FW	6	0.250	995	107	110	106	102	97	94	87	83
48-FW	6	0.375	995	106	110	106	102	98	94	87	83
48-FW	6	0.500	995	106	109	106	102	98	94	88	83
54-AF	4	0.000	595	101	104	99	96	92	87	81	79
54-AF	4	0.125	595	99	103	98	96	92	87	82	79
54-AF	4	0.250	595	98	101	97	95	92	87	82	79
54-AF	4	0.375	595	98	101	97	95	92	87	82	80
54-AF	4	0.500	595	97	102	97	96	92	87	82	80
54-AF	4	0.000	750	105	109	106	102	99	94	88	84
54-AF	4	0.125	750	104	108	106	102	99	94	88	85
54-AF	4	0.250	750	103	107	105	102	98	94	89	85
54-AF	4	0.375	750	103	107	104	101	98	94	89	85
54-AF	4	0.500	750	102	106	104	101	98	94	89	85

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MODEL	# BL	SP	RPM	SOUND POWER LEVEL BY OCTAVE BAND							
				1	2	3	4	5	6	7	8
54-AF	6	0.000	460	97	98	93	90	85	80	74	72
54-AF	6	0.125	460	97	97	92	90	86	80	75	73
54-AF	6	0.250	460	96	97	92	90	86	81	75	73
54-AF	6	0.000	620	103	106	101	98	94	89	82	79
54-AF	6	0.125	620	103	106	101	98	94	89	83	80
54-AF	6	0.250	620	103	105	100	98	94	89	83	80
54-AF	6	0.375	620	102	105	100	98	94	89	84	81
54-AF	6	0.500	620	102	105	100	98	94	89	84	80
54-AF	6	0.000	785	107	111	109	104	101	96	90	85
54-AF	6	0.125	785	107	111	108	104	101	96	90	86
54-AF	6	0.250	785	107	111	108	104	101	96	90	86
54-AF	6	0.375	785	107	111	108	103	101	96	91	86
54-AF	6	0.500	785	107	110	108	103	101	96	91	86
60-AF	4	0.000	595	96	104	100	99	95	91	85	81
60-AF	4	0.125	595	95	103	99	97	94	89	84	80
60-AF	4	0.250	595	94	102	99	96	92	88	83	80
60-AF	4	0.375	595	94	101	98	95	91	87	83	80
60-AF	4	0.500	595	96	102	98	95	91	87	82	79
60-AF	4	0.000	750	100	107	108	104	102	97	92	87
60-AF	4	0.125	750	100	106	107	103	101	96	91	87
60-AF	4	0.250	750	99	106	107	102	100	96	91	86
60-AF	4	0.375	750	98	105	106	102	99	95	90	86
60-AF	4	0.500	750	98	104	105	101	98	94	89	86
60-AF	6	0.000	485	96	101	96	95	91	85	80	76
60-AF	6	0.125	485	94	100	95	94	90	85	79	76
60-AF	6	0.250	485	92	100	94	92	89	84	78	76
60-AF	6	0.375	485	93	99	93	91	87	82	77	75
60-AF	6	0.500	485	94	99	92	90	85	80	75	75
60-AF	6	0.000	700	102	107	107	104	101	96	91	86
60-AF	6	0.125	700	101	107	107	103	100	96	90	86
60-AF	6	0.250	700	100	106	107	103	100	95	90	86
60-AF	6	0.375	700	100	105	106	102	99	95	90	85
60-AF	6	0.500	700	99	105	106	101	99	95	89	85

THE SOUND POWER LEVEL RATINGS SHOWN ARE IN DECIBELS, REFERRED TO 10^{-12} WATTS, CALCULATED PER AMCA STANDARD 301. VALUES SHOWN ARE FOR OUTLET (LWO) SOUND POWER LEVELS FOR INSTALLATION TYPE C: DUCTED INLET, FREE OUTLET. RATINGS INCLUDE THE EFFECTS OF DUCT END CORRECTION.