



**HARTZELL FAN, INC.
SOUND INFORMATION
SERIES 03U
SD-03U**

September, 2004



Hartzell Fan, Inc. certifies that the Backward Curved Centrifugal Utility Fans, Series 03U shown herein are 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.

HARTZELL FAN, INC.

SERIES 03U
SOUND INFORMATION

SD-03U

MODEL	# BL	SP	RPM	SOUND POWER LEVEL BY OCTAVE BAND							
				1	2	3	4	5	6	7	8
03U-10	9	0.2	1375	84	75	73	71	69	65	61	56
03U-10	9	0.4	1375	82	76	72	69	67	63	61	59
03U-10	9	0.6	1375	82	76	73	69	66	63	62	62
03U-10	9	0.8	1375	82	77	74	69	65	62	59	57
03U-10	9	0.2	1605	90	79	77	75	73	69	65	61
03U-10	9	0.5	1605	88	80	77	73	71	67	65	63
03U-10	9	0.8	1605	87	80	77	72	70	66	66	65
03U-10	9	1.0	1605	87	80	79	73	70	66	64	62
03U-10	9	0.3	1835	95	83	80	78	76	73	69	65
03U-10	9	0.6	1835	94	84	80	77	75	71	68	66
03U-10	9	1.0	1835	92	84	80	76	74	70	69	68
03U-10	9	1.4	1835	91	84	82	77	73	69	67	65
03U-10	9	0.4	2065	99	88	83	81	79	76	72	68
03U-10	9	0.8	2065	99	88	83	80	78	74	71	69
03U-10	9	1.3	2065	97	88	83	79	76	73	71	71
03U-10	9	1.7	2065	95	88	85	80	76	72	70	68
03U-10	9	0.4	2295	102	92	86	84	82	79	75	71
03U-10	9	1.0	2295	103	91	86	83	80	77	74	71
03U-10	9	1.6	2295	102	91	86	82	79	76	74	73
03U-10	9	2.1	2295	98	91	87	84	79	75	72	71
03U-10	9	0.5	2525	106	96	88	86	84	82	78	74
03U-10	9	1.2	2525	108	95	88	85	82	80	76	74
03U-10	9	1.9	2525	106	94	89	85	81	78	76	75
03U-10	9	2.6	2525	100	94	90	87	82	78	75	73
03U-10	9	0.6	2755	109	99	90	88	86	84	80	76
03U-10	9	1.4	2755	112	98	90	88	84	82	79	76
03U-10	9	2.2	2755	111	97	91	88	84	81	78	77
03U-10	9	3.1	2755	102	97	92	89	84	81	77	75
03U-10	9	0.8	2985	112	102	92	90	88	86	82	78
03U-10	9	1.7	2985	115	101	93	90	86	84	80	78
03U-10	9	2.6	2985	114	100	93	90	86	83	80	79
03U-10	9	3.6	2985	105	100	93	92	86	83	79	77
03U-10	9	0.9	3215	114	105	94	92	90	88	84	80
03U-10	9	2.0	3215	119	103	95	92	88	86	82	80
03U-10	9	3.1	3215	117	102	95	92	87	85	81	81
03U-10	9	4.2	3215	107	102	95	94	88	85	81	79
03U-10	9	1.0	3445	117	108	96	94	91	90	86	82
03U-10	9	2.3	3445	122	106	96	93	90	88	84	82
03U-10	9	3.5	3445	120	105	97	94	89	87	83	82
03U-10	9	4.8	3445	109	104	97	96	90	87	82	80
03U-12	12	0.1	1085	84	79	76	72	72	73	66	55
03U-12	12	0.3	1085	84	78	74	71	72	73	66	55
03U-12	12	0.5	1085	83	77	74	70	72	73	67	57
03U-12	12	0.7	1085	83	77	73	70	72	73	67	57
03U-12	12	0.2	1275	86	85	80	76	75	77	72	61
03U-12	12	0.4	1275	86	84	79	75	75	77	73	62
03U-12	12	0.7	1275	86	84	78	74	75	77	73	63
03U-12	12	0.9	1275	86	83	77	74	75	77	73	63
03U-12	12	0.3	1465	88	90	82	80	77	80	78	67
03U-12	12	0.6	1465	88	90	81	78	77	80	78	67
03U-12	12	0.9	1465	88	89	81	78	77	80	78	68
03U-12	12	1.2	1465	88	89	80	78	77	80	78	68
03U-12	12	0.3	1655	89	95	85	83	80	83	82	71
03U-12	12	0.7	1655	90	94	84	81	79	83	82	71
03U-12	12	1.2	1655	90	93	83	81	79	83	82	72
03U-12	12	1.6	1655	90	93	82	81	79	83	82	72
03U-12	12	0.4	1845	91	97	88	86	82	85	85	75
03U-12	12	0.9	1845	92	96	87	85	81	84	85	75

The sound power level ratings shown are in decibels, referred to 10^{-12} watts, calculated per AMCA Standard 301. Values shown are for outlet L_{w0} sound power levels for: installation type d: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

HARTZELL FAN, INC.

SERIES 03U
SOUND INFORMATION

SD-03U

MODEL	#	BL	SP	RPM	SOUND POWER LEVEL BY OCTAVE BAND							
					1	2	3	4	5	6	7	8
03U-12	12	1.5	1845	92	95	86	84	81	84	85	76	
03U-12	12	2.0	1845	92	95	86	84	81	84	85	76	
03U-12	12	0.5	2035	92	98	92	89	85	86	87	79	
03U-12	12	1.1	2035	93	98	91	88	84	86	87	79	
03U-12	12	1.8	2035	93	97	90	87	84	86	87	80	
03U-12	12	2.4	2035	93	97	89	86	84	86	87	80	
03U-12	12	0.6	2225	94	99	95	92	87	88	89	82	
03U-12	12	1.4	2225	95	99	94	90	86	87	89	82	
03U-12	12	2.1	2225	95	98	93	89	86	87	89	83	
03U-12	12	2.9	2225	95	98	93	89	86	87	89	83	
03U-12	12	0.7	2415	95	100	98	94	90	89	91	85	
03U-12	12	1.6	2415	96	100	97	93	88	89	91	86	
03U-12	12	2.5	2415	96	100	96	92	88	89	91	86	
03U-12	12	3.4	2415	96	100	96	91	88	89	91	86	
03U-12	12	0.8	2605	97	101	101	96	92	91	92	88	
03U-12	12	1.8	2605	98	101	100	94	90	90	92	88	
03U-12	12	2.9	2605	98	101	99	94	90	90	92	89	
03U-12	12	3.9	2605	98	101	99	93	90	90	92	89	
03U-12	12	0.9	2795	98	102	104	97	94	92	94	91	
03U-12	12	2.1	2795	99	102	103	96	92	91	94	91	
03U-12	12	3.3	2795	99	102	102	95	91	91	94	91	
03U-12	12	4.5	2795	99	102	102	94	91	91	94	91	
03U-13	12	0.1	985	86	79	76	72	74	74	66	55	
03U-13	12	0.3	985	85	78	74	71	73	74	66	55	
03U-13	12	0.5	985	84	77	74	71	73	74	67	57	
03U-13	12	0.7	985	84	76	73	71	73	74	67	57	
03U-13	12	0.2	1155	88	85	80	76	76	78	72	61	
03U-13	12	0.4	1155	87	84	79	75	76	78	72	61	
03U-13	12	0.7	1155	87	83	78	75	76	78	72	62	
03U-13	12	0.9	1155	87	82	78	75	76	78	72	62	
03U-13	12	0.3	1325	89	90	83	80	79	81	77	66	
03U-13	12	0.6	1325	89	89	83	79	78	81	77	66	
03U-13	12	0.9	1325	89	88	82	78	78	81	77	67	
03U-13	12	1.2	1325	89	88	81	78	78	81	77	67	
03U-13	12	0.3	1495	91	94	86	84	81	83	81	70	
03U-13	12	0.7	1495	91	93	85	82	80	83	81	71	
03U-13	12	1.2	1495	91	92	84	81	80	83	82	72	
03U-13	12	1.6	1495	91	92	83	81	80	83	82	72	
03U-13	12	0.4	1665	92	98	88	86	83	86	85	74	
03U-13	12	0.9	1665	93	97	87	84	82	86	85	75	
03U-13	12	1.4	1665	93	97	86	84	82	86	86	75	
03U-13	12	1.9	1665	93	96	85	84	82	86	86	76	
03U-13	12	0.5	1835	94	100	91	89	85	87	88	78	
03U-13	12	1.1	1835	94	99	90	87	84	87	88	78	
03U-13	12	1.8	1835	94	98	89	87	84	87	88	79	
03U-13	12	2.4	1835	94	98	88	86	84	87	88	79	
03U-13	12	0.6	2005	95	101	94	92	87	89	90	81	
03U-13	12	1.3	2005	96	100	93	90	86	89	90	82	
03U-13	12	2.1	2005	96	100	92	89	86	89	90	82	
03U-13	12	2.8	2005	96	100	92	89	86	89	90	82	
03U-13	12	0.7	2175	96	102	97	94	90	90	91	84	
03U-13	12	1.6	2175	97	102	96	92	88	90	91	85	
03U-13	12	2.4	2175	97	101	95	92	88	90	91	85	
03U-13	12	3.3	2175	97	101	95	91	88	90	91	85	
03U-13	12	0.8	2345	98	103	100	96	92	92	93	87	
03U-13	12	1.8	2345	99	103	99	95	90	91	93	87	
03U-13	12	2.9	2345	99	102	98	94	90	91	93	88	
03U-13	12	3.9	2345	99	102	98	93	90	91	93	88	
03U-13	12	0.9	2515	99	104	103	98	94	93	95	90	
03U-13	12	2.1	2515	100	104	102	97	92	92	95	90	

The sound power level ratings shown are in decibels, referred to 10^{-12} watts, calculated per AMCA Standard 301. Values shown are for outlet L_{w} sound power levels for: installation type d: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

HARTZELL FAN, INC.

SERIES 03U
SOUND INFORMATION SD-03U

MODEL	#	BL	SP	RPM	SOUND POWER LEVEL BY OCTAVE BAND							
					1	2	3	4	5	6	7	8
03U-13	12	3.2	2515	100	103	101	96	92	92	95	90	
03U-13	12	4.4	2515	100	103	100	95	92	92	95	90	
03U-15	12	0.2	900	83	76	75	70	67	60	52	44	
03U-15	12	0.3	900	83	75	75	69	66	60	52	44	
03U-15	12	0.5	900	83	73	72	67	63	57	50	42	
03U-15	12	0.6	900	83	72	71	65	62	56	49	42	
03U-15	12	0.2	1050	86	81	79	75	72	66	58	49	
03U-15	12	0.4	1050	86	80	78	73	70	64	57	49	
03U-15	12	0.7	1050	86	78	75	71	67	62	55	47	
03U-15	12	0.9	1050	86	78	73	69	65	59	53	46	
03U-15	12	0.3	1200	89	85	81	79	75	70	62	54	
03U-15	12	0.6	1200	88	84	79	77	73	68	61	53	
03U-15	12	0.9	1200	88	83	78	75	71	66	59	51	
03U-15	12	1.1	1200	88	83	76	74	69	64	58	51	
03U-15	12	0.4	1350	91	89	84	82	78	74	66	58	
03U-15	12	0.7	1350	90	88	82	81	76	72	65	57	
03U-15	12	1.1	1350	90	87	81	79	74	70	63	55	
03U-15	12	1.4	1350	89	88	79	77	73	68	61	54	
03U-15	12	0.4	1500	93	92	86	86	81	77	70	61	
03U-15	12	0.9	1500	92	92	85	84	79	75	68	60	
03U-15	12	1.3	1500	92	91	84	82	77	73	67	59	
03U-15	12	1.8	1500	90	92	82	80	75	71	64	58	
03U-15	12	0.5	1650	94	95	89	88	83	80	73	65	
03U-15	12	1.1	1650	94	95	87	87	81	78	71	63	
03U-15	12	1.6	1650	93	95	86	85	80	76	70	62	
03U-15	12	2.2	1650	91	95	84	83	77	74	67	61	
03U-15	12	0.6	1800	96	98	91	91	85	83	76	68	
03U-15	12	1.3	1800	96	98	89	89	83	81	74	66	
03U-15	12	1.9	1800	95	98	88	88	82	79	73	65	
03U-15	12	2.6	1800	92	99	87	86	80	77	70	63	
03U-15	12	0.8	1950	97	100	93	92	87	85	78	70	
03U-15	12	1.5	1950	97	100	92	91	86	83	77	69	
03U-15	12	2.3	1950	96	99	91	89	84	81	75	67	
03U-15	12	3.0	1950	94	100	90	87	82	79	73	66	
03U-15	12	0.9	2100	99	101	96	94	89	87	81	73	
03U-15	12	1.7	2100	98	101	95	92	88	85	79	72	
03U-15	12	2.6	2100	98	101	93	91	86	83	77	70	
03U-15	12	3.5	2100	95	101	93	89	84	81	75	68	
03U-15	12	1.0	2250	100	103	98	95	92	89	83	75	
03U-15	12	2.0	2250	100	102	97	94	90	87	81	74	
03U-15	12	3.0	2250	99	102	96	92	89	85	79	72	
03U-15	12	4.0	2250	96	102	95	90	86	83	77	70	
03U-16	12	0.2	900	85	78	78	72	70	63	55	46	
03U-16	12	0.3	900	85	77	77	71	69	62	54	46	
03U-16	12	0.5	900	84	76	75	70	66	60	52	44	
03U-16	12	0.6	900	85	75	74	69	65	59	52	44	
03U-16	12	0.2	1030	88	82	81	76	74	67	59	51	
03U-16	12	0.4	1030	88	82	80	75	72	66	58	50	
03U-16	12	0.6	1030	87	80	78	74	70	65	57	49	
03U-16	12	0.8	1030	88	80	77	72	69	63	56	49	
03U-16	12	0.3	1160	90	86	83	80	76	71	63	55	
03U-16	12	0.5	1160	90	86	82	79	75	70	62	54	
03U-16	12	0.8	1160	90	84	80	77	73	68	61	53	
03U-16	12	1.1	1160	89	84	78	75	71	66	59	52	
03U-16	12	0.3	1290	92	90	85	83	79	75	67	59	
03U-16	12	0.7	1290	92	89	83	82	78	73	66	58	
03U-16	12	1.0	1290	92	88	82	81	76	72	64	56	
03U-16	12	1.3	1290	91	88	81	79	74	70	63	56	

The sound power level ratings shown are in decibels, referred to 10^{-12} watts, calculated per AMCA Standard 301. Values shown are for outlet L_{w0} sound power levels for: installation type d: ducted inlet, ducted 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
03U-16	12	0.4	1420	94	93	87	86	81	78	70	62	
03U-16	12	0.8	1420	94	92	86	85	80	76	69	61	
03U-16	12	1.2	1420	93	91	85	84	79	75	68	60	
03U-16	12	1.6	1420	92	91	83	82	77	73	66	59	
03U-16	12	0.5	1550	95	96	89	89	84	80	73	65	
03U-16	12	0.9	1550	95	95	88	88	82	79	72	64	
03U-16	12	1.4	1550	95	94	87	86	81	77	71	63	
03U-16	12	1.9	1550	94	95	86	84	79	75	69	62	
03U-16	12	0.6	1680	97	98	91	91	86	83	76	67	
03U-16	12	1.1	1680	97	98	90	90	84	82	75	67	
03U-16	12	1.7	1680	97	97	89	89	83	80	73	65	
03U-16	12	2.2	1680	95	98	88	87	81	78	71	64	
03U-16	12	0.6	1810	98	101	93	93	88	85	78	70	
03U-16	12	1.3	1810	98	100	92	92	86	84	77	69	
03U-16	12	1.9	1810	98	100	91	91	85	82	76	68	
03U-16	12	2.6	1810	96	100	90	89	83	80	74	66	
03U-16	12	0.7	1940	99	102	95	95	90	87	81	72	
03U-16	12	1.5	1940	99	102	94	94	88	86	79	71	
03U-16	12	2.2	1940	99	101	93	92	87	84	78	70	
03U-16	12	3.0	1940	97	102	92	90	85	82	76	69	
03U-16	12	0.8	2070	101	103	97	96	92	89	83	75	
03U-16	12	1.7	2070	100	103	97	95	90	87	81	74	
03U-16	12	2.5	2070	100	103	95	93	89	86	80	72	
03U-16	12	3.4	2070	98	103	95	92	87	84	78	71	
03U-18	12	0.2	690	72	71	68	66	63	57	48	39	
03U-18	12	0.3	690	71	70	67	66	63	56	47	38	
03U-18	12	0.5	690	70	68	66	66	63	57	48	39	
03U-18	12	0.6	690	71	70	66	66	63	57	49	41	
03U-18	12	0.3	820	77	74	71	71	68	63	54	45	
03U-18	12	0.5	820	75	73	71	70	67	62	53	44	
03U-18	12	0.6	820	75	72	70	70	68	63	54	45	
03U-18	12	0.8	820	75	72	70	70	68	63	55	46	
03U-18	12	0.4	950	81	77	76	74	72	67	59	50	
03U-18	12	0.6	950	80	77	75	73	71	67	58	49	
03U-18	12	0.9	950	79	75	74	73	72	68	59	50	
03U-18	12	1.1	950	79	76	74	73	72	68	60	51	
03U-18	12	0.5	1080	85	81	80	77	75	71	63	54	
03U-18	12	0.8	1080	84	80	79	76	74	70	63	54	
03U-18	12	1.1	1080	83	79	78	76	75	71	63	54	
03U-18	12	1.5	1080	83	79	78	76	75	71	64	56	
03U-18	12	0.6	1210	88	84	83	80	78	75	67	58	
03U-18	12	1.0	1210	88	83	82	79	77	74	67	58	
03U-18	12	1.4	1210	86	82	81	78	78	74	67	58	
03U-18	12	1.8	1210	86	82	82	78	78	75	68	60	
03U-18	12	0.7	1340	91	87	86	82	81	78	71	62	
03U-18	12	1.3	1340	91	85	85	81	80	77	70	61	
03U-18	12	1.8	1340	89	84	83	81	80	78	71	62	
03U-18	12	2.3	1340	88	85	84	81	80	78	71	63	
03U-18	12	0.9	1470	94	89	87	84	83	80	74	65	
03U-18	12	1.5	1470	94	88	86	83	82	79	73	64	
03U-18	12	2.1	1470	92	87	85	83	82	80	74	65	
03U-18	12	2.7	1470	91	87	86	82	82	80	75	66	
03U-18	12	1.1	1600	96	92	88	86	85	83	77	68	
03U-18	12	1.8	1600	96	90	88	85	84	82	76	67	
03U-18	12	2.5	1600	94	89	86	84	84	83	77	68	
03U-18	12	3.2	1600	93	90	87	84	84	83	77	69	
03U-18	12	1.3	1730	98	94	90	88	87	85	80	71	
03U-18	12	2.1	1730	99	92	89	87	86	84	79	70	
03U-18	12	2.9	1730	97	91	87	86	86	85	80	71	

The sound power level ratings shown are in decibels, referred to 10^{-12} watts, calculated per AMCA Standard 301. Values shown are for outlet L_{wo} sound power levels for: installation type d: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

HARTZELL FAN, INC.

SERIES 03U
SOUND INFORMATION SD-03U

MODEL	#	BL	SP	RPM	SOUND	POWER	LEVEL	BY	OCTAVE	BAND		
					1	2	3	4	5	6	7	8
03U-18	12	3.8	1730	95	92	89	86	86	85	80	72	
03U-18	12	1.5	1860	99	96	92	90	88	87	82	73	
03U-18	12	2.4	1860	100	94	91	89	88	86	81	73	
03U-18	12	3.4	1860	98	93	89	88	88	87	82	73	
03U-18	12	4.4	1860	97	94	90	88	88	87	82	74	
03U-20	12	0.2	640	73	72	68	67	63	57	48	39	
03U-20	12	0.3	640	72	71	68	66	63	56	47	38	
03U-20	12	0.5	640	70	69	67	66	64	57	48	39	
03U-20	12	0.6	640	71	71	67	66	64	57	49	41	
03U-20	12	0.3	760	77	75	72	71	68	63	54	45	
03U-20	12	0.5	760	76	74	71	70	68	62	53	44	
03U-20	12	0.7	760	75	72	70	70	69	63	54	45	
03U-20	12	0.8	760	75	73	70	70	69	63	54	46	
03U-20	12	0.4	880	81	78	76	75	72	68	59	50	
03U-20	12	0.6	880	80	77	75	74	72	67	58	49	
03U-20	12	0.9	880	79	75	74	74	73	68	59	50	
03U-20	12	1.1	880	79	76	74	74	73	68	59	51	
03U-20	12	0.5	1000	85	81	80	78	76	71	63	54	
03U-20	12	0.8	1000	84	80	79	77	75	71	62	53	
03U-20	12	1.1	1000	83	79	78	77	75	71	63	54	
03U-20	12	1.5	1000	83	80	78	77	76	72	64	56	
03U-20	12	0.6	1120	88	84	83	80	79	75	67	58	
03U-20	12	1.0	1120	88	83	82	79	78	74	66	57	
03U-20	12	1.4	1120	86	82	81	79	78	75	67	58	
03U-20	12	1.8	1120	86	83	81	79	78	75	68	59	
03U-20	12	0.8	1240	91	87	86	83	81	78	71	62	
03U-20	12	1.3	1240	91	86	85	82	80	77	70	61	
03U-20	12	1.8	1240	89	84	84	81	81	78	71	62	
03U-20	12	2.3	1240	89	85	85	81	81	78	71	63	
03U-20	12	0.9	1360	94	90	88	85	83	80	74	65	
03U-20	12	1.5	1360	94	88	87	84	83	79	73	64	
03U-20	12	2.1	1360	92	87	86	83	83	80	74	65	
03U-20	12	2.7	1360	91	88	87	83	83	80	74	66	
03U-20	12	1.1	1480	96	92	89	87	85	83	77	68	
03U-20	12	1.8	1480	96	90	89	86	85	82	76	67	
03U-20	12	2.5	1480	94	89	87	85	85	83	77	68	
03U-20	12	3.2	1480	93	90	88	85	85	83	77	69	
03U-20	12	1.3	1600	98	94	91	88	87	85	79	70	
03U-20	12	2.1	1600	99	92	90	88	86	84	79	70	
03U-20	12	2.9	1600	97	91	88	87	87	85	79	70	
03U-20	12	3.8	1600	96	92	90	87	87	85	80	72	
03U-20	12	1.4	1720	100	96	92	90	89	87	82	73	
03U-20	12	2.4	1720	101	94	91	89	88	86	81	72	
03U-20	12	3.4	1720	99	93	90	88	88	87	82	73	
03U-20	12	4.3	1720	98	94	91	88	88	87	82	74	
03U-22	12	0.2	560	73	72	69	67	63	56	47	38	
03U-22	12	0.3	560	72	71	68	67	63	55	46	37	
03U-22	12	0.5	560	70	70	68	67	63	56	47	38	
03U-22	12	0.6	560	71	71	68	67	63	56	48	40	
03U-22	12	0.3	665	77	76	73	71	68	62	53	44	
03U-22	12	0.5	665	76	75	72	71	68	61	52	43	
03U-22	12	0.7	665	75	74	71	71	68	62	53	44	
03U-22	12	0.8	665	76	75	71	71	68	62	54	45	
03U-22	12	0.4	770	81	79	76	75	72	67	58	49	
03U-22	12	0.6	770	80	78	75	74	72	66	57	48	
03U-22	12	0.9	770	79	76	75	74	73	67	58	49	
03U-22	12	1.1	770	80	77	75	74	73	67	59	50	
03U-22	12	0.5	875	85	81	79	78	76	71	62	53	

The sound power level ratings shown are in decibels, referred to 10⁻¹² watts, calculated per AMCA Standard 301. Values shown are for outlet L_{wo} sound power levels for: installation type d: ducted inlet, ducted 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
03U-22	12	0.8	875	83	81	78	78	75	70	62	53
03U-22	12	1.1	875	83	79	78	77	76	71	62	53
03U-22	12	1.5	875	83	80	77	77	76	71	63	55
03U-22	12	0.6	980	88	84	83	81	79	75	66	57
03U-22	12	1.0	980	87	84	82	80	78	74	65	56
03U-22	12	1.4	980	86	82	81	80	79	74	66	57
03U-22	12	1.8	980	86	83	81	80	79	75	67	59
03U-22	12	0.8	1085	91	87	86	83	81	77	70	61
03U-22	12	1.3	1085	90	86	85	82	81	77	69	60
03U-22	12	1.8	1085	89	84	84	82	81	78	70	61
03U-22	12	2.3	1085	89	86	85	82	81	78	71	62
03U-22	12	0.9	1190	94	90	89	85	84	80	73	64
03U-22	12	1.5	1190	93	88	88	85	83	79	72	63
03U-22	12	2.1	1190	92	87	86	84	83	80	73	64
03U-22	12	2.7	1190	91	88	87	84	83	80	74	65
03U-22	12	1.1	1295	96	92	91	87	86	83	76	67
03U-22	12	1.8	1295	96	91	90	86	85	82	75	66
03U-22	12	2.5	1295	94	89	88	86	85	83	76	67
03U-22	12	3.2	1295	94	90	90	86	85	83	76	68
03U-22	12	1.3	1400	98	94	92	89	88	85	79	70
03U-22	12	2.1	1400	98	93	91	88	87	84	78	69
03U-22	12	2.9	1400	96	92	90	88	87	85	79	70
03U-22	12	3.8	1400	96	92	91	88	87	85	79	71
03U-22	12	1.4	1505	100	96	94	91	90	87	81	72
03U-22	12	2.4	1505	101	95	93	90	89	86	80	71
03U-22	12	3.4	1505	98	93	91	89	89	87	81	72
03U-22	12	4.3	1505	98	94	92	89	89	87	81	73
03U-24	12	0.2	510	77	78	77	75	69	65	61	58
03U-24	12	0.3	510	76	78	76	74	68	64	62	60
03U-24	12	0.5	510	75	76	75	71	65	61	58	55
03U-24	12	0.6	510	78	78	75	72	65	60	56	53
03U-24	12	0.3	610	81	82	81	79	74	69	66	62
03U-24	12	0.5	610	80	81	80	78	73	68	66	64
03U-24	12	0.7	610	79	80	79	76	71	66	63	60
03U-24	12	0.9	610	83	83	79	76	71	65	61	57
03U-24	12	0.3	710	85	85	85	83	79	74	70	66
03U-24	12	0.6	710	84	84	84	82	78	73	70	68
03U-24	12	0.9	710	83	83	83	81	76	70	68	65
03U-24	12	1.2	710	86	86	83	80	76	69	65	61
03U-24	12	0.5	810	88	87	88	86	83	77	73	70
03U-24	12	0.8	810	87	86	88	86	82	76	74	71
03U-24	12	1.2	810	86	85	86	84	80	74	71	68
03U-24	12	1.6	810	90	89	87	84	80	73	69	65
03U-24	12	0.6	910	90	89	91	89	87	80	77	73
03U-24	12	1.1	910	89	88	90	88	86	79	76	74
03U-24	12	1.5	910	89	87	88	87	83	77	74	71
03U-24	12	2	910	93	91	90	87	84	76	72	68
03U-24	12	0.7	1010	93	92	93	92	89	84	79	76
03U-24	12	1.3	1010	92	90	92	91	88	82	79	77
03U-24	12	1.9	1010	92	90	91	90	86	80	76	73
03U-24	12	2.5	1010	95	94	93	90	87	80	75	71
03U-24	12	0.9	1110	95	94	95	94	92	87	82	78
03U-24	12	1.6	1110	94	93	94	93	91	85	81	79
03U-24	12	2.3	1110	94	92	93	92	89	83	79	76
03U-24	12	3	1110	97	96	96	92	89	83	78	73
03U-24	12	1	1210	97	96	97	96	94	89	84	80
03U-24	12	1.9	1210	96	95	96	95	93	88	84	82
03U-24	12	2.7	1210	96	94	95	94	91	86	81	78
03U-24	12	3.5	1210	98	98	98	94	91	86	80	76

The sound power level ratings shown are in decibels, referred to 10^{-12} watts, calculated per AMCA Standard 301. Values shown are for outlet L_{w0} sound power levels for: installation type d: ducted inlet, ducted 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
03U-24	12	1.2	1310	99	98	99	98	96	92	86	83	
03U-24	12	2.2	1310	98	96	97	97	95	90	86	84	
03U-24	12	3.2	1310	98	96	96	96	93	88	83	80	
03U-24	12	4.2	1310	100	100	100	96	93	88	82	78	
03U-24	12	1.4	1410	101	100	100	100	98	94	88	85	
03U-24	12	2.5	1410	99	98	98	99	97	93	87	85	
03U-24	12	3.7	1410	100	98	98	97	95	90	85	82	
03U-24	12	4.8	1410	101	102	101	98	95	91	84	80	
03U-27	12	0.2	450	77	79	77	75	68	65	61	58	
03U-27	12	0.3	450	76	79	77	74	67	65	62	60	
03U-27	12	0.5	450	75	76	75	71	64	61	58	55	
03U-27	12	0.6	450	78	78	75	72	64	60	56	52	
03U-27	12	0.2	540	82	83	82	80	75	70	66	62	
03U-27	12	0.5	540	80	82	81	78	72	69	67	65	
03U-27	12	0.7	540	80	81	79	76	70	66	63	60	
03U-27	12	0.9	540	84	84	80	77	70	65	61	57	
03U-27	12	0.3	630	86	87	85	84	79	74	70	66	
03U-27	12	0.6	630	84	85	85	83	78	73	71	69	
03U-27	12	0.9	630	84	84	83	81	76	71	68	65	
03U-27	12	1.2	630	87	88	84	81	75	70	65	61	
03U-27	12	0.4	720	89	89	89	87	83	78	74	70	
03U-27	12	0.8	720	87	87	88	86	82	76	74	72	
03U-27	12	1.2	720	87	87	86	85	80	74	71	68	
03U-27	12	1.6	720	91	90	87	84	80	73	69	65	
03U-27	12	0.6	810	91	91	91	90	87	81	77	73	
03U-27	12	1	810	90	89	91	89	86	79	77	75	
03U-27	12	1.5	810	90	89	89	88	83	77	74	71	
03U-27	12	2	810	94	92	90	87	84	76	72	68	
03U-27	12	0.7	900	94	93	94	92	90	84	80	76	
03U-27	12	1.3	900	92	91	93	92	89	82	80	78	
03U-27	12	1.9	900	92	90	91	91	86	80	77	74	
03U-27	12	2.5	900	96	94	93	90	87	79	75	71	
03U-27	12	0.8	990	96	95	96	95	93	87	82	78	
03U-27	12	1.5	990	95	94	95	94	92	85	82	80	
03U-27	12	2.3	990	95	93	94	93	89	83	79	76	
03U-27	12	3	990	98	96	96	93	89	83	78	74	
03U-27	12	1	1080	98	97	98	97	95	89	85	81	
03U-27	12	1.8	1080	97	96	97	96	94	88	84	82	
03U-27	12	2.7	1080	97	95	96	95	92	86	82	79	
03U-27	12	3.6	1080	100	99	99	95	92	85	80	76	
03U-27	12	1.1	1170	100	99	100	99	97	92	87	83	
03U-27	12	2.2	1170	99	97	98	98	96	90	86	84	
03U-27	12	3.2	1170	99	97	97	97	94	88	84	81	
03U-27	12	4.2	1170	101	101	101	97	94	88	83	78	
03U-27	12	1.3	1260	102	101	102	101	99	94	89	85	
03U-27	12	2.5	1260	100	99	100	100	98	93	88	86	
03U-27	12	3.7	1260	100	99	99	98	96	90	86	83	
03U-27	12	4.9	1260	103	103	103	99	96	91	85	80	
03U-30	12	0.2	415	78	79	78	75	68	65	62	58	
03U-30	12	0.3	415	77	79	77	74	67	65	63	61	
03U-30	12	0.5	415	76	77	76	71	65	62	58	55	
03U-30	12	0.6	415	79	78	75	72	65	61	57	53	
03U-30	12	0.2	495	83	84	82	80	74	70	66	62	
03U-30	12	0.5	495	81	83	81	79	72	69	67	65	
03U-30	12	0.7	495	80	81	80	76	70	66	63	60	
03U-30	12	0.9	495	84	84	80	77	70	65	61	57	
03U-30	12	0.3	575	86	87	86	84	79	74	70	66	
03U-30	12	0.6	575	84	86	85	83	77	73	71	69	

The sound power level ratings shown are in decibels, referred to 10^{-12} watts, calculated per AMCA Standard 301. Values shown are for outlet L_{wo} sound power levels for: installation type d: ducted inlet, ducted 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
03U-30	12	0.9	575	84	85	84	81	75	71	68	65	
03U-30	12	1.2	575	88	88	84	81	75	69	65	61	
03U-30	12	0.4	655	89	90	89	87	83	77	74	70	
03U-30	12	0.8	655	87	88	88	86	81	77	74	72	
03U-30	12	1.2	655	87	87	86	84	79	74	71	68	
03U-30	12	1.5	655	90	90	87	84	79	73	69	65	
03U-30	12	0.5	735	92	92	92	90	86	81	77	73	
03U-30	12	1	735	90	90	91	89	85	79	77	75	
03U-30	12	1.5	735	90	89	89	87	83	77	74	71	
03U-30	12	1.9	735	93	92	90	87	83	76	72	68	
03U-30	12	0.7	815	94	93	94	92	90	83	80	76	
03U-30	12	1.2	815	93	92	94	92	89	82	80	78	
03U-30	12	1.8	815	92	91	92	90	86	80	77	74	
03U-30	12	2.4	815	96	95	93	90	86	79	75	71	
03U-30	12	0.8	895	96	95	96	95	92	86	82	78	
03U-30	12	1.5	895	95	94	96	94	91	84	82	80	
03U-30	12	2.2	895	95	93	94	93	89	82	79	76	
03U-30	12	2.9	895	99	97	96	92	89	82	78	73	
03U-30	12	0.9	975	98	97	98	97	95	89	84	81	
03U-30	12	1.8	975	97	96	97	96	94	87	84	82	
03U-30	12	2.6	975	97	95	96	95	91	85	81	79	
03U-30	12	3.4	975	100	98	98	95	92	85	80	76	
03U-30	12	1.1	1055	100	99	100	99	97	91	87	83	
03U-30	12	2.1	1055	99	97	99	98	96	90	86	84	
03U-30	12	3	1055	99	97	98	97	93	88	84	81	
03U-30	12	4	1055	102	100	100	97	94	87	82	78	
03U-30	12	1.3	1135	102	101	102	100	98	93	89	85	
03U-30	12	2.4	1135	100	99	100	100	97	92	88	86	
03U-30	12	3.5	1135	100	99	99	98	95	90	85	83	
03U-30	12	4.6	1135	103	102	102	99	95	90	84	80	

The sound power level ratings shown are in decibels, referred to 10^{-12} watts, calculated per AMCA Standard 301. Values shown are for outlet L_{w0} sound power levels for: installation type d: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.