

FAN PERFORMANCE CURVES | PSC & EC MOTORS

PSC and EC fan curves on the following pages depict actual performance of each motor tap without any additional fan balance adjustment.

Units should not be run prior to installation of downstream duct work; otherwise, damage to the motor may result.

Krueger Fan Coil Units are equipped with either a permanent split-capacitor (PSC) or electronically commutated (EC) motor. Fan curves shown for PSC motors include three separate taps (high, medium and low), which provide variable horsepower outputs. EC motor fan curves are shown for the 3-speed EC motors with factory programmed high, medium and low speeds.

Fan curves include pressure losses for cabinet, a 3/8" 12 FPI 3-row coil, and a clean 1" throwaway filter. For other coil configurations, use selection software to generate performance curves.

See PSC motor electrical data on pages E2-31 and E2-32. See EC motor electrical data on page E2-34.

For additional high static pressure applications, variable speed EC options, and rating points, use selection software to generate performance curves.

For other models use selection software to generate performance curves.

KHF - SERIES A

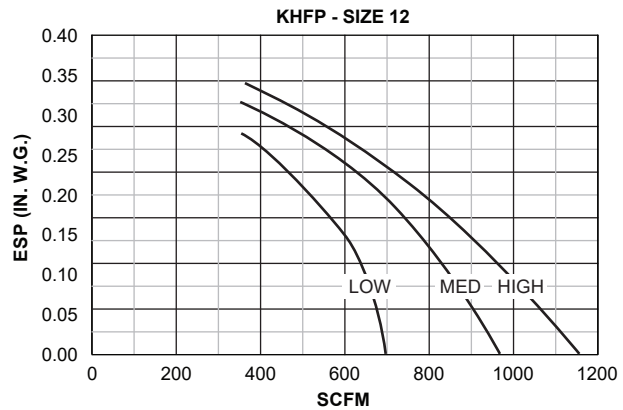
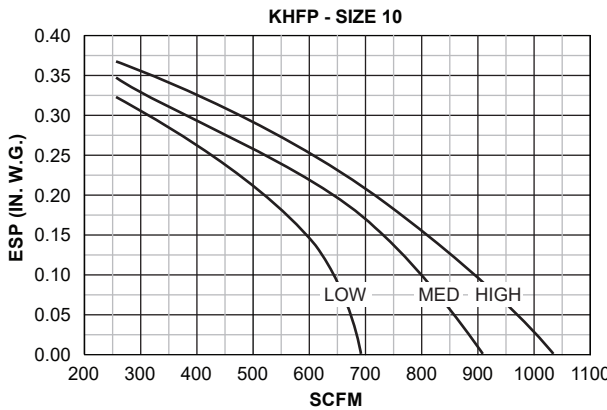
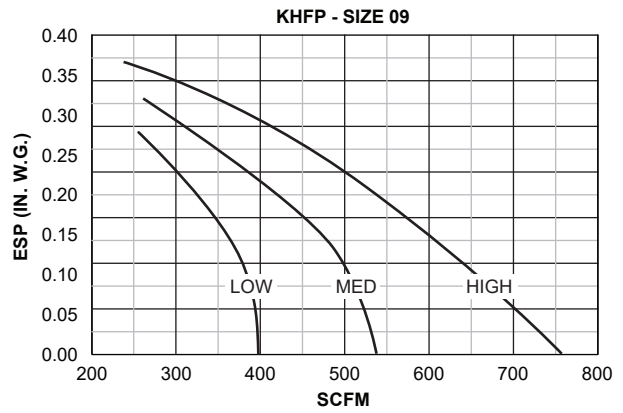
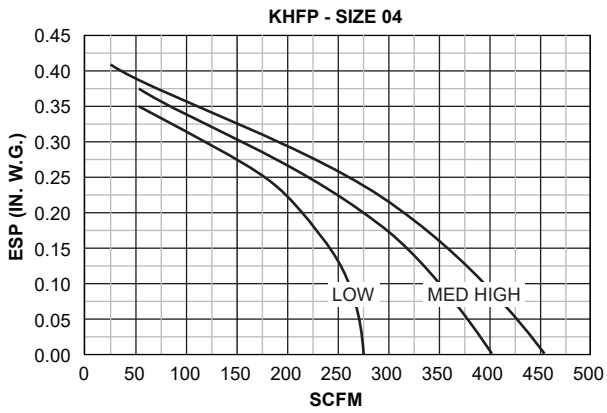
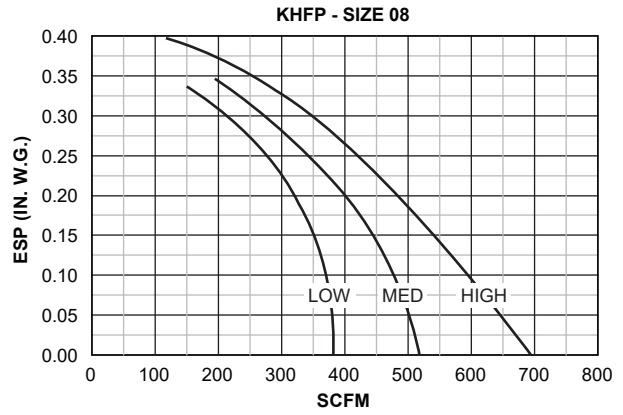
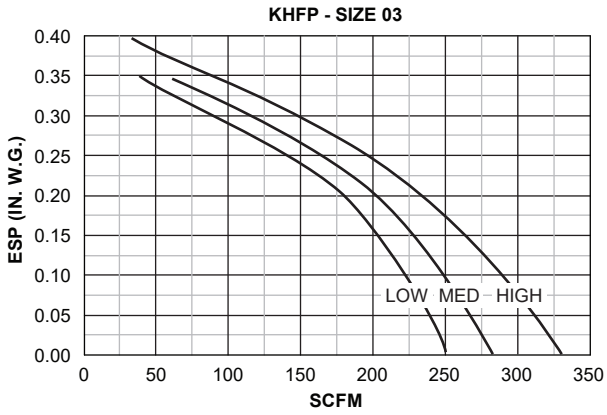
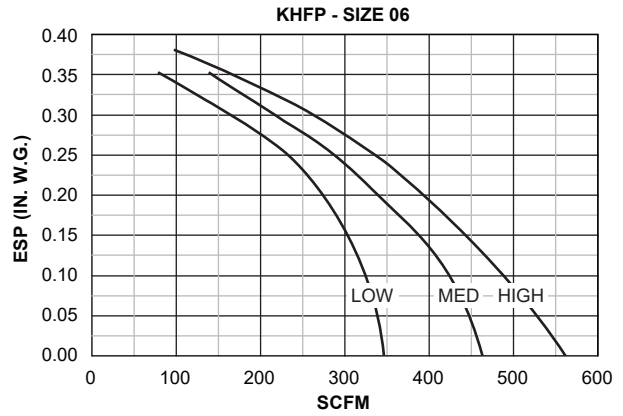
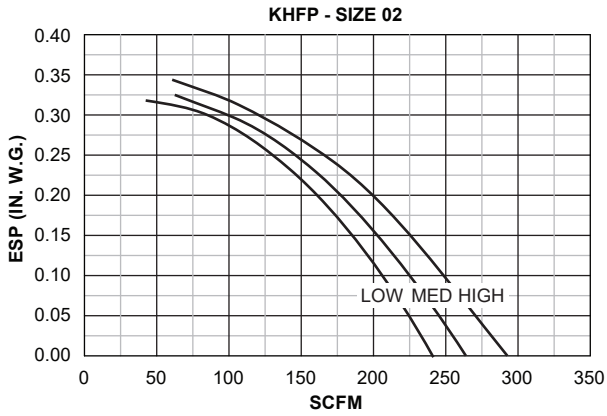
Horizontal Fan Coil Units | Low Profile



FAN CURVES | KHFP | PSC MOTORS | SIZE 02 - 12

FAN COIL UNITS | HORIZONTAL, LOW PROFILE

KHF - SERIES A



PERFORMANCE DATA | KHFP, KHFE | PSC MOTOR & FAN DATA

UNIT SIZE	MOTOR HP (QTY)	# OF FANS	FAN SPEED	WATTS	AMPS		
					115 VOLTS	208/230 VOLTS	277 VOLTS
02	(1) 1/30 ³	1	HIGH	55	0.5	N/A	N/A
			MEDIUM	40			
			LOW	36			
03	(1) 1/30 ³	1	HIGH	61	0.5	N/A	N/A
			MEDIUM	45			
			LOW	40			
04	(1) 1/20	2	HIGH	75	0.8	N/A	0.5
			MEDIUM	65			
			LOW	58			
06	(1) 1/20	2	HIGHT	80	0.8	N/A	0.5
			MEDIUM	68			
			LOW	56			
08	(1) 1/10	2	HIGH	122	1.1	N/A	0.5
			MEDIUM	83			
			LOW	66			
09	(1) 1/10	2	HIGH	127	1.1	N/A	0.5
			MEDIUM	86			
			LOW	66			
10	(2) 1/20	4	HIGH	148	1.6	N/A	1
			MEDIUM	128			
			LOW	110			
12	(2) 1/20	4	HIGH	160	1.6	N/A	1
			MEDIUM	139			
			LOW	115			

NOTES: Motor electrical data is nameplate data. Watts are based on an KHFP with PSC motor, 3-row coil, 12FPI, 1" throwaway filter, 0.05" ESP at 115V. Motor data is subject to change and should not be used for submittal purposes. Refer to submittals for actual ratings.

KHF - SERIES A

Horizontal Fan Coil Units | Low Profile



PERFORMANCE DATA | KHFH | PSC MOTOR AND FAN DATA

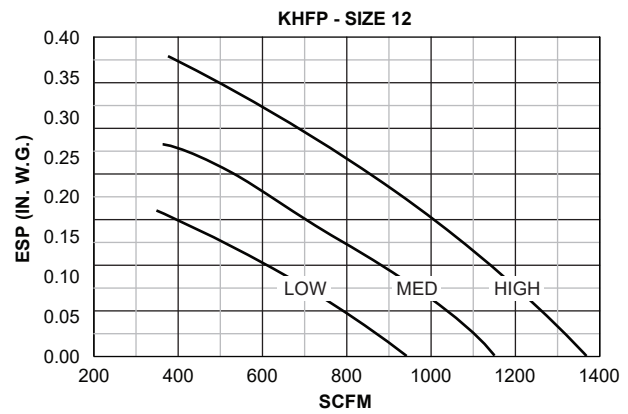
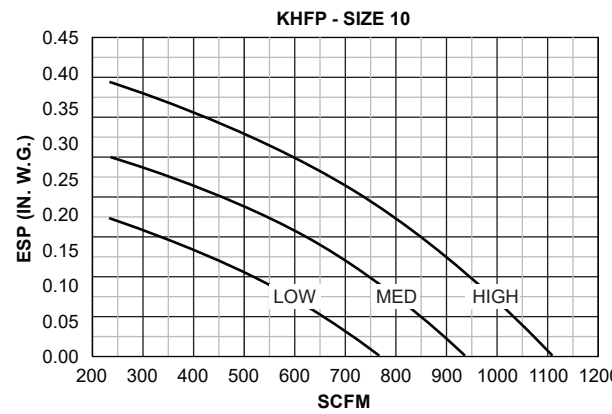
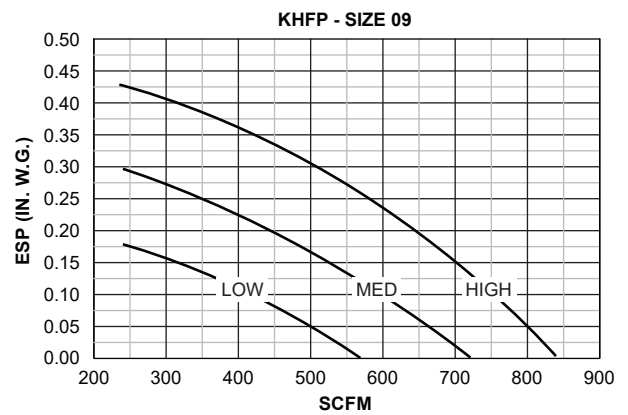
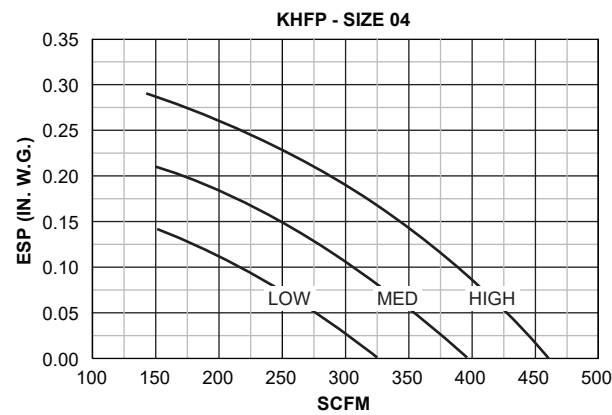
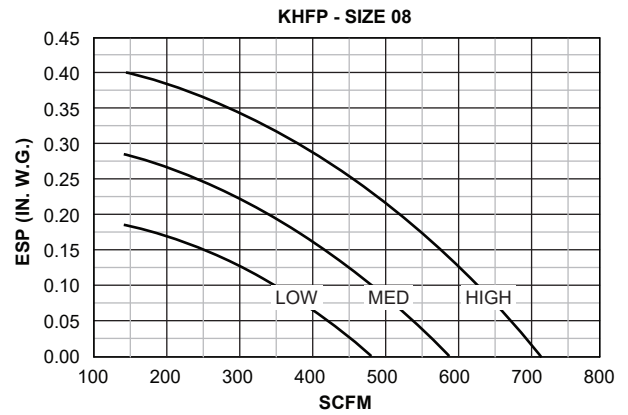
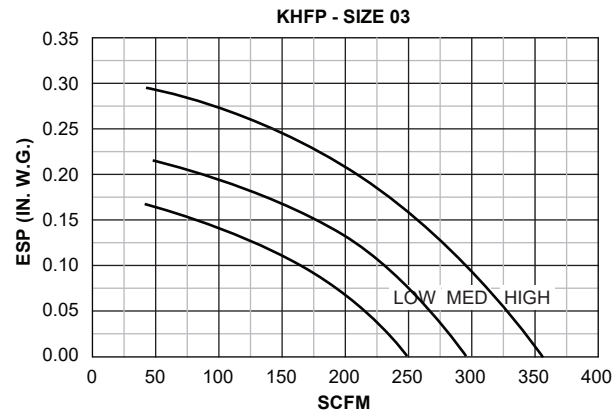
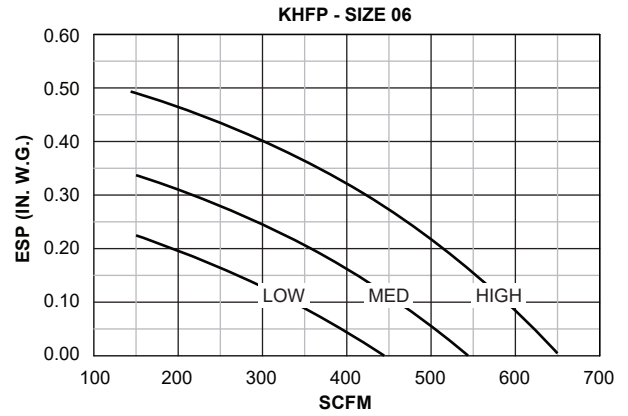
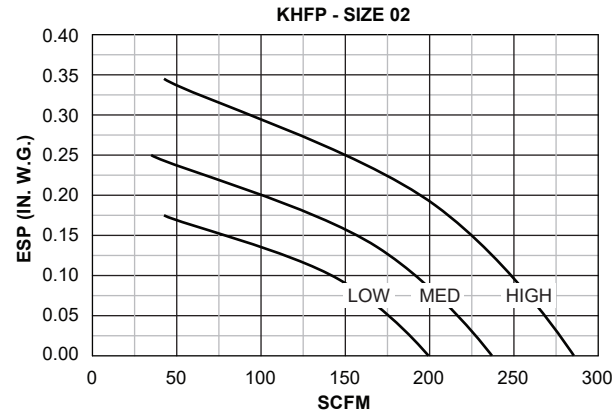
UNIT SIZE	MOTOR HP (QTY)	# OF FANS	FAN SPEED	WATTS	AMPS		
					115 VOLTS	208/230 VOLTS	277 VOLTS
02	(1) 1/30	1	HIGH	55	0.5	N/A	N/A
			MEDIUM	40			
			LOW	36			
03	(1) 1/30	1	HIGH	61	0.5	N/A	N/A
			MEDIUM	45			
			LOW	40			
04	(1) 1/20	2	HIGH	75	0.8	N/A	0.5
			MEDIUM	65			
			LOW	58			
06	(1) 1/10	2	HIGHT	121	1.1	N/A	0.5
			MEDIUM	84			
			LOW	66			
08	(1) 1/6	2	HIGH	224	2.1	N/A	0.9
			MEDIUM	140			
			LOW	66			
09	(1) 1/6	2	HIGH	230	2.1	N/A	0.9
			MEDIUM	139			
			LOW	67			
10	(2) 1/10	4	HIGH	226	2.2	N/A	1
			MEDIUM	154			
			LOW	128			
12	(2) 1/10	4	HIGH	248	2.2	N/A	1
			MEDIUM	171			
			LOW	133			

NOTES: Motor electrical data is nameplate data. Watts are based on an KHFH with PSC motor, 3-row coil, 12FPI, 0.05" ESP at 115V. Motor data is subject to change and should not be used for submittal purposes. Refer to submittals for actual ratings.

FAN COIL UNITS | HORIZONTAL, LOW PROFILE

KHF - SERIES A

FAN CURVES | EC MOTORS | SIZE 02 - 12



FAN COIL UNITS | HORIZONTAL, LOW PROFILE
KHF - SERIES A

KHF - SERIES A

Horizontal Fan Coil Units | Low Profile



PERFORMANCE DATA | KHFP, KHFE | EC MOTOR AND FAN DATA

UNIT SIZE	MOTOR HP (QTY)	# OF FANS	FAN SPEED	WATTS (STD / HS)	AMPS					
					115 VOLTS		208/230 VOLTS		277 VOLTS	
					3-SPEED (STD / HS)	2-10 VDC	3-SPEED (STD / HS)	2-10 VDC	3-SPEED (STD / HS)	2-10 VDC
02	(1) 1/4	1	HIGH	32 / 45	0.7 / 1.0	0.9	0.5 / 0.6	0.5	0.4 / 0.5	0.5
			MEDIUM	21 / 36						
			LOW	14 / 26						
03	(1) 1/4	1	HIGH	35 / 59	1.0 / 1.5	1.1	0.6 / 0.9	0.7	0.5 / 0.8	0.6
			MEDIUM	23 / 43						
			LOW	16 / 33						
04	(1) 1/4	2	HIGH	50 / 75	1.5 / 1.8	1.2	0.9 / 1.1	0.8	0.8 / 0.9	0.6
			MEDIUM	33 / 56						
			LOW	21 / 41						
06	(1) 1/4	2	HIGHT	104 / 132	2.6 / 3.1	2	1.6 / 1.9	1.2	1.3 / 1.6	1
			MEDIUM	62 / 89						
			LOW	36 / 62						
08	(1) 1/4	2	HIGH	91 / 122	2.3 / 2.9	2	1.4 / 1.7	1.2	1.2 / 1.5	1
			MEDIUM	54 / 90						
			LOW	31 / 62						
09	(1) 1/4	2	HIGH	119 / 182	3.7 / 4.5	2.7	2.3 / 2.7	1.6	1.9 / 2.3	1.4
			MEDIUM	72 / 116						
			LOW	39 / 77						
10	(2) 1/4	4	HIGH	142 / 207	3.9 / 5.1	3.1	2.3 / 3.1	1.9	2.0 / 2.6	1.6
			MEDIUM	91 / 139						
			LOW	54 / 104						
12	(2) 1/4	4	HIGH	143 / 209	3.2 / 4.5	3.5	2.0 / 2.7	2.1	1.6 / 2.3	1.8
			MEDIUM	92 / 152						
			LOW	56 / 105						

NOTES: Motor electrical data is nameplate data. Watts are based on a KHFP with 3-speed EC motor, 3-row coil, 12FPI, 1" throwaway filter, 0.05" ESP at 115V. For 3-phase neutral conductor sizing, multiply AMPS by 1.73. Motor data is subject to change and should not be used for submittal purposes. Refer to selection software submittal for actual ratings.

FAN COIL UNITS | HORIZONTAL, LOW PROFILE

KHF - SERIES A

SOUND DATA | KHFP | AHRI 260 DUCTED DISCHARGE

UNIT SIZE	FAN SPEED	SCFM	SOUND POWER LEVEL						
			OCTAVE BAND/CENTER FREQUENCY (HZ)						
			2/125	3/250	4/500	5/1000	6/2000	7/4000	8/8000
02	HIGH	270	55	54	49	49	45	40	32
	MEDIUM	245	54	51	47	46	41	35	28
	LOW	223	52	49	44	44	39	32	26
03	HIGH	311	55	54	49	49	45	40	32
	MEDIUM	268	54	51	47	46	41	35	28
	LOW	237	52	49	44	44	39	32	26
04	HIGH	425	55	53	50	50	47	41	33
	MEDIUM	377	53	50	47	47	44	37	30
	LOW	272	49	44	42	40	37	31	27
06	HIGHT	529	55	53	50	50	47	41	33
	MEDIUM	448	53	50	47	47	44	37	30
	LOW	335	49	44	42	40	37	31	27
08	HIGH	650	58	58	55	55	52	46	38
	MEDIUM	506	51	50	48	47	43	34	27
	LOW	378	47	44	43	40	34	24	24
09	HIGH	709	58	58	55	55	52	46	38
	MEDIUM	525	51	50	48	47	43	34	27
	LOW	395	47	44	43	40	34	24	24
10	HIGH	967	59	58	56	56	52	47	39
	MEDIUM	863	52	51	49	47	43	35	28
	LOW	672	47	45	43	40	34	25	25
12	HIGH	1083	59	59	56	56	53	47	39
	MEDIUM	912	52	51	49	48	44	35	28
	LOW	681	48	45	44	41	35	25	25

NOTES: Sound data tested in accordance with AHRI 260-2012. Sound levels are expressed in decibels, dB RE: 1 x 10⁻¹² watts. Sound power level data based on Model KHFP with fan CFM at corresponding motor tap with 115/1/60 volt PSC motor, 3-row coil, 1" throwaway filter, 0.05" external static pressure and standard rated internal pressure losses.

KHF - SERIES A

Horizontal Fan Coil Units | Low Profile



SOUND DATA | KHFP | AHRI 260 CASING RADIATED FREE INLET

UNIT SIZE	FAN SPEED	SCFM	SOUND POWER LEVEL						
			OCTAVE BAND/CENTER FREQUENCY (HZ)						
			2/125	3/250	4/500	5/1000	6/2000	7/4000	8/8000
02	HIGH	270	55	57	53	49	42	37	32
	MEDIUM	245	56	54	52	47	40	34	29
	LOW	223	56	53	50	45	38	32	27
03	HIGH	311	55	57	53	49	42	37	32
	MEDIUM	268	56	54	52	47	40	34	29
	LOW	237	56	53	50	45	38	32	27
04	HIGH	425	57	59	57	53	46	41	34
	MEDIUM	377	55	57	55	50	43	38	31
	LOW	272	52	53	51	45	39	33	28
06	HIGHT	529	57	59	57	53	46	41	34
	MEDIUM	448	55	57	55	50	43	38	31
	LOW	335	52	53	51	45	39	33	28
08	HIGH	650	61	62	58	54	47	43	36
	MEDIUM	506	55	56	53	47	40	34	27
	LOW	378	51	51	48	41	32	26	24
09	HIGH	709	61	62	58	54	47	43	36
	MEDIUM	525	55	56	53	47	40	34	27
	LOW	395	51	51	48	41	32	26	24
10	HIGH	967	58	57	57	54	46	40	32
	MEDIUM	863	57	54	55	51	44	37	29
	LOW	672	54	50	51	46	38	29	26
12	HIGH	1083	58	57	57	54	46	40	32
	MEDIUM	912	57	54	55	51	44	37	29
	LOW	681	54	50	51	46	38	29	26

NOTES: Sound data tested in accordance with AHRI 260-2012. Sound levels are expressed in decibels, dB RE: 1×10^{-12} watts. Sound power level data based on Model KHFP with fan CFM at corresponding motor tap with 115/1/60 volt PSC motor, 3-row coil, 1" throwaway filter, 0.05" external static pressure and standard rated internal pressure losses.

FAN COIL UNITS | HORIZONTAL, LOW PROFILE

KHF - SERIES A

SOUND DATA | KHFE | AHRI 350

UNIT SIZE	FAN SPEED	SCFM	SOUND POWER LEVEL						
			OCTAVE BAND/CENTER FREQUENCY (HZ)						
			2/125	3/250	4/500	5/1000	6/2000	7/4000	8/8000
02	HIGH	252	53	58	53	51	45	39	31
	MEDIUM	232	52	56	52	49	43	36	29
	LOW	214	51	54	51	47	41	33	26
03	HIGH	287	53	58	53	51	45	39	31
	MEDIUM	254	52	56	52	49	43	36	29
	LOW	224	51	54	51	47	41	33	26
04	HIGH	399	56	60	57	54	49	43	34
	MEDIUM	358	56	57	55	52	46	38	29
	LOW	269	52	52	50	45	38	28	24
06	HIGH	485	56	60	57	54	49	43	34
	MEDIUM	426	56	57	55	52	46	38	29
	LOW	320	52	52	50	45	38	28	24
08	HIGH	602	61	62	59	57	52	48	40
	MEDIUM	491	55	56	54	50	45	39	31
	LOW	377	49	50	47	43	36	28	25
09	HIGH	682	61	62	59	57	52	48	40
	MEDIUM	558	55	56	54	50	45	39	31
	LOW	416	49	50	47	43	36	28	25
10	HIGH	893	57	60	59	57	50	43	35
	MEDIUM	812	58	58	57	54	48	40	32
	LOW	658	55	53	53	49	41	32	26
12	HIGH	992	57	60	59	57	50	43	35
	MEDIUM	870	58	58	57	54	48	40	32
	LOW	672	55	53	53	49	41	32	26

NOTES: Sound data tested in accordance with AHRI 350-2015. Sound levels are expressed in decibels, dB RE: 1 x 10⁻¹² watts. Total sound power level data based on Model KHFE with fan CFM at corresponding motor tap with 115/1/60 volt PSC motor, 3-row coil, 1" throwaway filter, 0.0" external static pressure and standard rated internal pressure losses.