

KHG Series AHRI Ratings, Weight Information, & Heating Capacity

AHRI STANDARD RATINGS

Model / Size	AHRI 440 Certified	Coil		Airflow CFM (Dry Flow)	Cooling Capacity		Water		Power Input (WATTS)
		Rows	FPI		QT (BTUH)	QS (BTUH)	Flow Rate GPM	WPD ft-wg	
KHG06	*	4	10	669	20299	15560	4	5.64	247
KHG08	*	4	10	950	25889	19389	5.2	8.03	375
KHG10	*	4	10	1001	30180	22420	6.1	6.87	457
KHG12	*	4	10	1437	44169	33509	8.8	6.68	494
KHG14		4	10	1906	51990	41159	10.4	5.01	750
KHG16		4	10	1852	56810	43029	11.3	6.4	914
KHG18		4	10	1915	62750	46369	12.4	8.18	914
KHG20		4	10	1999	68059	49580	13.6	10.06	914

NOTE: Based on 80°F DB and 67°F WB EAT, 45°F EWT, 10°F temperature rise, high fan speed. Motor type is PSC and motor voltage is 115/1/60. Airflow under dry coil conditions. All models tested at 0.05" external static pressure. Airflow rate CFM on sizes 14 through 20 exceed maximum ratings in AHRI 440 and are therefore not certified.

UNIT WEIGHTS

Component	Unit Size								
	06	08	10	12	14	16	18	20	
KHGH Base Unit	68 [31]	73 [33]	77 [35]	114 [52]	119 [54]	124 [56]	128 [58]	132 [60]	
KHGP Base Unit	87 [40]	95 [43]	101 [46]	141 [64]	150 [68]	157 [71]	164 [75]	170 [77]	
KHGP with Mixing Box	119 [54]	132 [60]	144 [65]	189 [86]	204 [93]	217 [99]	229 [104]	246 [112]	
KHGE Base Unit	137 [62]	146 [66]	158 [72]	202 [92]	219 [99]	228 [103]	240 [109]	250 [113]	
Coil Rows	1 Row - Dry	5 [2]	6 [3]	7 [3]	8 [4]	10 [5]	10 [5]	11 [5]	12 [5]
	1 Row - Wet	7 [3]	9 [4]	10 [5]	11 [5]	14 [6]	14 [6]	16 [7]	17 [8]
	2 Row - Dry	11 [5]	13 [6]	14 [6]	16 [7]	20 [9]	20 [9]	22 [10]	24 [11]
	2 Row - Wet	14 [6]	18 [8]	20 [9]	23 [10]	27 [12]	28 [13]	32 [15]	35 [16]
	3 Row - Dry	16 [7]	19 [9]	21 [10]	24 [11]	30 [13]	30 [14]	33 [15]	36 [16]
	3 Row - Wet	21 [10]	27 [12]	30 [14]	34 [15]	41 [19]	42 [19]	48 [22]	52 [24]
	4 Row - Dry	21 [10]	25 [12]	29 [13]	33 [15]	40 [18]	40 [18]	44 [20]	48 [22]
	4 Row - Wet	27 [12]	35 [16]	41 [19]	46 [21]	54 [25]	56 [25]	64 [29]	69 [31]
	5 Row - Dry	26 [12]	30 [14]	34 [16]	38 [17]	42 [19]	46 [21]	50 [23]	54 [25]
	5 Row - Wet	33 [15]	39 [18]	45 [21]	51 [23]	57 [26]	63 [29]	70 [32]	77 [35]
	6 Row - Dry	32 [15]	38 [17]	43 [19]	49 [22]	59 [27]	61 [28]	67 [30]	71 [32]
	6 Row - Wet	42 [19]	53 [24]	61 [28]	69 [31]	80 [36]	85 [39]	97 [44]	103 [47]
	7 Row - Dry	38 [17]	42 [19]	48 [22]	54 [25]	60 [28]	66 [30]	72 [33]	78 [35]
	7 Row - Wet	49 [23]	56 [26]	63 [29]	70 [32]	77 [35]	84 [38]	91 [42]	98 [45]
8 Row - Dry	43 [20]	49 [22]	55 [25]	61 [28]	67 [30]	73 [33]	79 [36]	85 [39]	
8 Row - Wet	55 [26]	63 [29]	71 [32]	79 [36]	87 [40]	95 [43]	103 [47]	111 [50]	

NOTE: Unit weight data is in pounds [kilograms].

HEATING CAPACITY

Unit Size	1-Row				2-Row				3-Row				4-Row			
	CFM	QS (MBH)	GPM	WPD	CFM	QS (MBH)	GPM	WPD	CFM	QS (MBH)	GPM	WPD	CFM	QS (MBH)	GPM	WPD
KHG06	790	16040	0.8	0.34	762	26629	1.4	1.27	703	39889	2.0	0.75	674	55540	2.9	13.45
KHG08	1019	22399	1.2	0.69	984	42159	2.2	1.38	890	51939	2.7	0.8	872	70760	3.6	7.89
KHG10	1132	26799	1.4	1.1	1096	51380	2.6	0.3	1066	63569	3.3	1.33	1036	84989	4.4	12.67
KHG12	1489	34430	1.8	2.01	1441	68470	3.5	0.51	1389	82059	4.2	1.02	1361	110569	5.7	11.06
KHG14	2027	41560	2.1	1.05	1966	89059	4.6	0.94	1885	98150	5.0	0.61	1856	122870	6.3	13.17
KHG16	2316	48590	2.5	1.55	2237	103849	5.3	1.38	2138	114050	5.9	0.89	2053	158399	8.1	5.69
KHG18	2401	53700	2.8	2.07	2313	98989	5.1	0.27	2232	124940	6.4	1.16	2159	171660	8.8	7.32
KHG20	2546	61200	3.1	0.33	2455	123220	6.3	2.23	2370	142250	7.3	10.3	2292	184740	9.5	9.07

NOTE: Based on 70°F DB EAT, 180°F EWT, 40°F temperature drop, high fan speed. KHGE performance data varies from KHGH and KHGP units.

KHG Series Performance Data
MOTOR AND FAN DATA

Unit Size	Fan Speed	Motor HP (Qty)		Number of Fans	AMPs @ 120/1/60			AMPs @ 208-230/1/60			AMPs @ 277/1/60		
		PSC	ECM		PSC	ECM		PSC	ECM		PSC	ECM	
						FLA	3-Phase Neutral Current		FLA	3-Phase Neutral Current		FLA	3-Phase Neutral Current
06	High	(1) 1/6	(1) 1/3	1	2.6	5.0	8.7	1.1	2.8	4.8	0.9	2.6	4.5
	Medium	(1) 1/8			2.1			0.9			0.8		
	Low	(1) 1/10			1.8			0.6			0.7		
08	High	(1) 1/4	(1) 1/3	1	3.8	5.0	8.7	1.6	2.8	4.8	1.3	2.6	4.5
	Medium	(1) 1/6			3.3			1.0			0.8		
	Low	(1) 1/8			2.6			0.8			0.7		
10	High	(1) 1/4	(1) 1/3	1	4.9	5.0	8.7	2.2	2.8	4.8	1.9	2.6	4.5
	Medium	(1) 1/5			4.1			1.5			1.2		
	Low	(1) 1/6			3.2			1.1			0.8		
12	High	(2) 1/6	(2) 1/3	2	5.2	10.0	17.3	2.2	5.6	9.7	1.8	5.2	9.0
	Medium	(2) 1/8			4.2			1.8			1.6		
	Low	(2) 1/10			3.6			1.2			1.4		
14	High	(2) 1/4	(2) 1/3	2	7.6	10.0	17.3	3.2	5.6	9.7	2.6	5.2	9.0
	Medium	(2) 1/6			6.6			2.0			1.6		
	Low	(2) 1/8			5.2			1.6			1.4		
16	High	(2) 1/4	(2) 1/3	2	9.8	10.0	17.3	4.4	5.6	9.7	3.8	5.2	9.0
	Medium	(2) 1/5			8.2			3.0			2.4		
	Low	(2) 1/6			6.4			2.2			1.6		
18	High	(2) 1/4	(2) 1/3	2	9.8	10.0	17.3	4.4	5.6	9.7	3.8	5.2	9.0
	Medium	(2) 1/5			8.2			3.0			2.4		
	Low	(2) 1/6			6.4			2.2			1.6		
20	High	(2) 1/4	(2) 1/3	2	9.8	10.0	17.3	4.4	5.6	9.7	3.8	5.2	9.0
	Medium	(2) 1/5			8.2			3.0			2.4		
	Low	(2) 1/6			6.4			2.2			1.6		

NOTES: Motor electrical data is nameplate data. Actual data will vary with application. Motors name plated for 208-230/1/60. Data is at 230 volts. EC motors operated on 208/1/60 power result in reduced airflow.

KHG Series Performance Data

SOUND DATA

Unit Size	Motor Speed	Total Sound Power Level						
		Octave Band / Center Frequency (HZ)						
		2/125	3/250	4/500	5/1000	6/2000	7/4000	8/8000
06	High	69	67	65	65	61	63	55
	Medium	66	62	62	59	57	54	47
	Low	58	53	55	50	46	44	33
08	High	72	69	68	67	65	65	56
	Medium	67	63	63	61	60	57	48
	Low	61	57	58	54	51	47	38
10	High	73	70	69	69	67	65	58
	Medium	68	64	65	63	62	57	48
	Low	62	60	60	56	54	49	39
12	High	74	73	70	71	67	67	60
	Medium	69	67	65	64	62	59	50
	Low	64	61	61	57	55	52	41
14	High	74	72	70	71	67	66	58
	Medium	70	68	65	65	63	60	51
	Low	64	60	60	58	55	51	40
16	High	75	73	71	70	68	69	58
	Medium	69	66	65	66	63	59	49
	Low	64	61	59	58	54	51	40
18	High	74	71	69	71	68	66	58
	Medium	68	64	64	64	62	57	48
	Low	63	61	59	57	54	50	39
20	High	74	72	69	71	67	66	58
	Medium	70	67	64	65	63	60	50
	Low	64	59	59	58	53	50	39

NOTES: Sound data tested in accordance with AHRI 350-2000. Sound levels are expressed in decibels, dB RE: 1 x 10⁻¹² watts. Total sound power level data based on Model KHGP with fan CFM at corresponding motor tap with 115/1/60 volt motor, 3 or 4 row coil, 1" throwaway filter, 0.0" external static pressure and standard rated internal pressure losses.

FAN COILS

K H G - S E R I E S