

AHRI 440 CERTIFIED RATINGS

MODEL / SIZE	COIL		AIRFLOW CFM (DRY FLOW)	COOLING CAPACITY		WATER		POWER INPUT (Watts)
	ROWS	FPI		QT (BTUH)	QS (BTUH)	FLOW RATE GPM	WPD ft-wg	
KHGH06	4	12	668	21500	15800	4.9	8.4	229
KHGH08			922	29900	21800	6.7	9.3	377
KHGH10			939	30000	22200	6.7	4.2	419
KHGH12			1459	40700	31500	9.4	4.3	517
KHGH14			1748	53000	39500	12.0	7.9	683
KHGH16			1985	53000	42100	12.0	2.5	864
KHGH18			2005	59500	45300	13.5	3.5	835
KHGH20			1986	62800	46600	14.1	4.0	706
KHGP06	4	12	642	21000	15400	4.8	8.2	235
KHGP08			900	29600	21500	6.7	9.3	386
KHGP10			918	29700	21900	6.7	4.2	426
KHGP12			1398	39700	30600	9.2	4.1	529
KHGP14			1698	51800	38600	11.7	7.5	701
KHGP16			1936	51800	41100	11.7	2.4	882
KHGP18			1938	58100	44100	13.2	3.3	815
KHGP20			1947	62200	46000	14.1	4.0	721
KHGE06	4	12	663	21500	15700	4.9	8.4	230
KHGE08			918	26900	20500	6.0	4.6	379
KHGE10			957	30800	22800	7.0	4.6	413
KHGE12			1431	40400	31100	9.4	4.3	522
KHGE14			1710	51900	38700	11.7	7.5	697
KHGE16			1970	52800	41900	12.0	2.5	872
KHGE18			2007	59500	45300	13.5	3.5	835
KHGE20			2002	63500	47100	14.3	4.2	699

NOTE: Based on 80°F DB and 67°F WB EAT, 45°F EWT, 10°F temperature rise, high fan speed. Motor type is ECM and motor voltage is 115/1/60. Airflow underdry coil conditions. All models tested at 0.20" external static pressure.

HEATING CAPACITY

UNIT SIZE	NOMINAL CFM	1-ROW			2-ROW			3-ROW			4-ROW		
		QS (MBH)	GPM	WPD	QS (MBH)	GPM	WPD	QS (MBH)	GPM	WPD	QS (MBH)	GPM	WPD
KHG06	600	17.5	0.9	1.6	30.2	1.5	1.4	41.7	2.1	1.0	48.3	2.5	0.9
KHG08	800	24.3	1.2	3.2	41.8	2.1	2.6	57.6	2.9	2.0	66.5	3.4	1.6
KHG10	1000	27.8	1.4	0.8	52.4	2.7	4.1	70.5	3.6	1.5	80.6	4.1	1.0
KHG12	1200	34.5	1.8	0.9	61.8	3.2	1.8	86.4	4.4	2.3	98.8	5.1	1.6
KHG14	1400	41.3	2.1	1.7	73.4	3.8	2.6	98.6	5.0	1.4	117.1	6.0	1.8
KHG16	1600	48.1	2.5	2.4	85.1	4.4	3.6	114.5	5.9	1.9	126.5	6.5	0.6
KHG18	1800	54.9	2.8	3.2	96.8	5.0	4.9	130.4	6.7	2.5	144.7	7.4	0.7
KHG20	2000	61.0	3.1	4.1	107.5	5.5	6.1	145.3	7.4	2.4	161.7	8.3	0.9

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 A

Horizontal | High Capacity



ELECTRIC HEAT FEATURES & CAPACITIES

ELECTRIC HEAT STANDARD FEATURES

- ETL listed as an assembly for safety compliance.
- Single point power connection.
- Mounted in preheat position.
- Automatic reset primary and back-up secondary thermal limits.
- Internal wiring rated at 105°C.
- Integral electric heat assembly with removable element for easy service.

OPTIONAL HEATER CONTROL

- Solid state silent relay.
- Door interlocking disconnect switch.
- Main fusing (for equal to or less than 48 AMPs).

ELECTRICAL CALCULATIONS INFORMATION

- Refer to MCA/MOP values from performance printouts from software.
- Non-fused door interlock disconnect switch shall be sized according to MCA.
- Fused door interlock disconnect switch and main fusing shall be sized according to MOP.

USEFUL FORMULAS

$$kW^* = (CFM \times \Delta T \times 1.085^{**}) / 3413$$

$$1\emptyset \text{ AMPs} = (kW \times 1000) / \text{Volts}$$

$$* 1kW = 3413 \text{ BTU/H}$$

$$** \text{ Capacity at Sea Level}$$

ALTITUDE CONSIDERATIONS:

Reduce by 0.034 for each 1000 ft. of altitude above sea level.

Example:

$$5000 \text{ ft.}/1000 \text{ ft.} = 5$$

$$5 \times 0.034 = 0.17$$

$$1.085 - 0.17 = 0.915$$



ELECTRIC HEAT SELECTION

UNIT SIZE	MBH	6.8	8.5	10.2	11.9	13.7	17.1	20.5	23.9	27.3	30.7	34.1	41.0	47.8
	kW	2.0	2.5	3.0	3.5	4.0	5.0	6.0	7.0	8.0	9.0	10.0	12.0	14.0
	VOLTS	AMPS												
06	115	17.4	21.7	26.1	30.4	34.8	-	-	-	-	-	-	-	-
	208	9.6	12.0	14.4	16.8	19.2	-	-	-	-	-	-	-	-
	230	8.7	10.9	13.0	15.2	17.4	-	-	-	-	-	-	-	-
	277	7.2	9.0	10.8	12.6	14.4	-	-	-	-	-	-	-	-
08	115	17.4	21.7	26.1	30.4	34.8	43.5	-	-	-	-	-	-	-
	208	9.6	12.0	14.4	16.8	19.2	24.0	28.8	-	-	-	-	-	-
	230	8.7	10.9	13.0	15.2	17.4	21.7	26.1	-	-	-	-	-	-
	277	7.2	9.0	10.8	12.6	14.4	18.1	21.7	-	-	-	-	-	-
10	115	17.4	21.7	26.1	30.4	34.8	43.5	-	-	-	-	-	-	-
	208	9.6	12.0	14.4	16.8	19.2	24.0	28.8	33.7	-	-	-	-	-
	230	8.7	10.9	13.0	15.2	17.4	21.7	26.1	30.4	-	-	-	-	-
	277	7.2	9.0	10.8	12.6	14.4	18.1	21.7	25.3	-	-	-	-	-
12	115	-	-	-	-	34.8	43.5	-	-	-	-	-	-	-
	208	-	-	-	-	19.2	24.0	28.8	33.7	38.5	43.3	-	-	-
	230	-	-	-	-	17.4	21.7	26.1	30.4	34.8	39.1	-	-	-
	277	-	-	-	-	14.4	18.1	21.7	25.3	28.9	32.5	-	-	-
14	115	-	-	-	-	34.8	43.5	-	-	-	-	-	-	-
	208	-	-	-	-	19.2	24.0	28.8	33.7	38.5	43.3	48.1	-	-
	230	-	-	-	-	17.4	21.7	26.1	30.4	34.8	39.1	43.5	-	-
	277	-	-	-	-	14.4	18.1	21.7	25.3	28.9	32.5	36.1	-	-
16	115	-	-	-	-	34.8	43.5	-	-	-	-	-	-	-
	208	-	-	-	-	19.2	24.0	28.8	33.7	38.5	43.3	48.1	57.7	-
	230	-	-	-	-	17.4	21.7	26.1	30.4	34.8	39.1	43.5	52.2	-
	277	-	-	-	-	14.4	18.1	21.7	25.3	28.9	32.5	36.1	43.3	-
18	115	-	-	-	-	34.8	43.5	-	-	-	-	-	-	-
	208	-	-	-	-	19.2	24.0	28.8	33.7	38.5	43.3	48.1	57.7	-
	230	-	-	-	-	17.4	21.7	26.1	30.4	34.8	39.1	43.5	52.2	-
	277	-	-	-	-	14.4	18.1	21.7	25.3	28.9	32.5	36.1	43.3	-
20	115	-	-	-	-	34.8	43.5	-	-	-	-	-	-	-
	208	-	-	-	-	19.2	24.0	28.8	33.7	38.5	43.3	48.1	57.7	67.3
	230	-	-	-	-	17.4	21.7	26.1	30.4	34.8	39.1	43.5	52.2	60.9
	277	-	-	-	-	14.4	18.1	21.7	25.3	28.9	32.5	36.1	43.3	50.5

NOTES: Dash (-) areas indicate kW and voltage options not available. Available voltages are 1-phase, 60 hertz. Heaters over 48 AMPs are subdivided and fused per NEC.