



**CCH6**

**Product Specifications**

**HIGH EFFICIENCY 16 SEER TWO-STAGE HEAT PUMP WITH OBSERVER™ COMMUNICATING CONTROL SYSTEM**

**2 THRU 5 TONS SPLIT SYSTEM**  
**208/230 Volt, 1-phase, 60 Hz**  
**REFRIGERATION CIRCUIT**

- Copeland Scroll® Ultratech™ compressors on all models
- Crankcase Heater factory installed
- Suction line accumulator factory installed
- Bi-flow filter-drier included for field installation
- Integrated solid state control with Time-Temperature Defrost
- High and low pressure switches
- Discharge gas thermostat
- Copper tube / aluminum fin coil

**PERFORMANCE**

- Self configuring installation capabilities with Observer Communicating Wall Control
- Outdoor temperature sensor factory installed
- Ball Bearing PSC Fan Motors on all models
- High performance compressor sound shield standard
- Isolation compressor grommets

**EASY TO INSTALL AND SERVICE**

- Text based diagnostics with Observer Communicating Wall Control
- Only 2 control wires required from communicating indoor unit to condenser
- Easy access service valves on all models
- Innovative control box design
- External high and low refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

**BUILT TO LAST**

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style

**WARRANTY\***

- 10 year No Hassle Replacement™ limited warranty
- 5 year parts limited warranty (including compressor and coil)
  - With timely registration, an additional 5 year parts limited warranty (including compressor and coil)

\* Applies to original purchaser/homeowner, some limitations may apply. See Warranty certificate for complete details.



TSTAT0101SC  
(Order Separately)



This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.

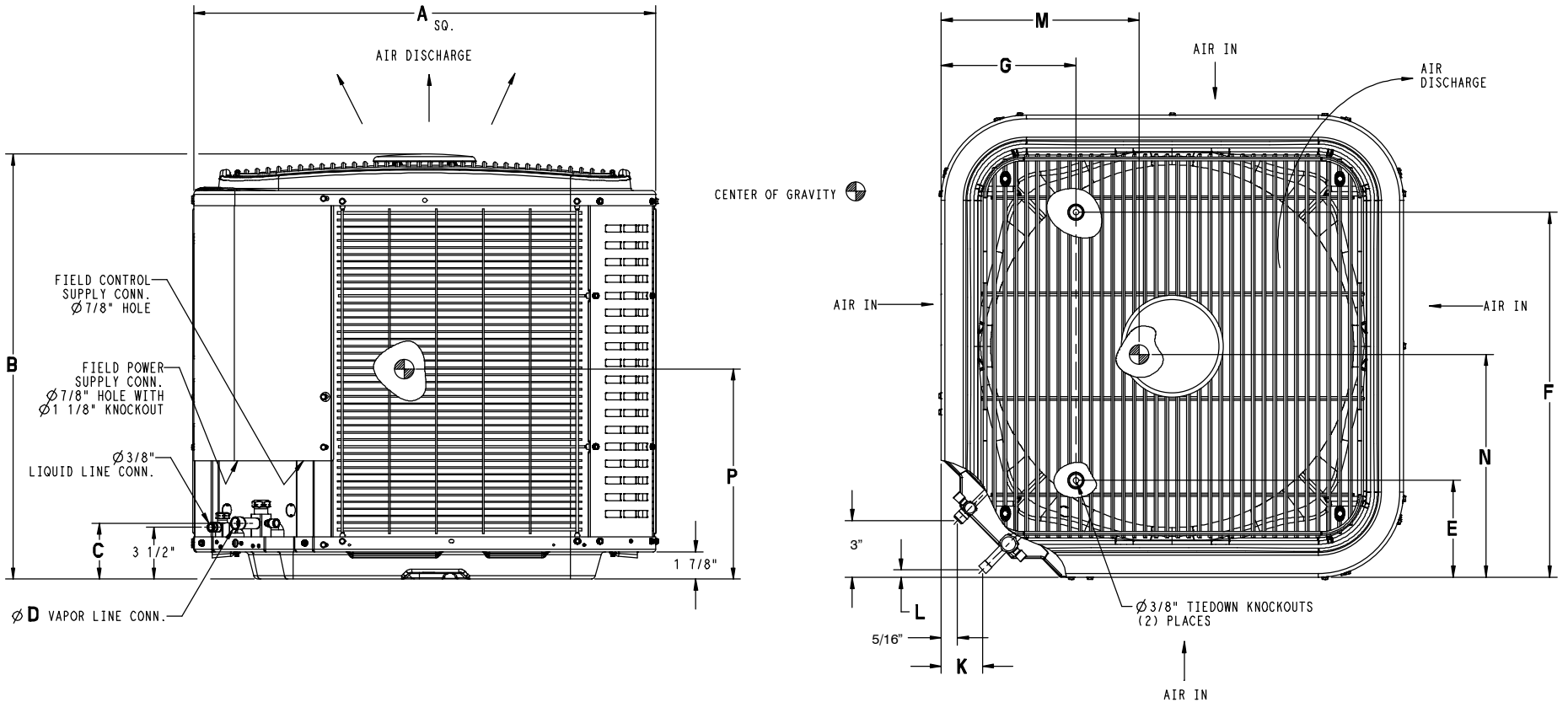


Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to [www.ahridirectory.org](http://www.ahridirectory.org).

Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x width x depth in. (mm)	Ship / Operating Weight lbs. (kg)
CCH624GKA1	2	24,000	16.4	25	40-1/4 x 35 x 35 (1023 x 889 x 889)	292 / 249 (132 / 113)
CCH624GKA3	2	24,000	16.2	25	40-1/4 x 35 x 35 (1023 x 889 x 889)	292 / 249 (132 / 113)
CCH636GKA1	3	36,000	21.8	35	40-1/4 x 35 x 35 (1023 x 889 x 889)	313 / 270 (142 / 123)
CCH636GKA2	3	36,000	23.7	40	40-1/4 x 35 x 35 (1023 x 889 x 889)	313 / 270 (142 / 123)
CCH648GKA1	4	48,000	34.8	50	40-1/4 x 35 x 35 (1023 x 889 x 889)	345 / 302 (157 / 137)
CCH648GKA2	4	48,000	29.8	50	40-1/4 x 35 x 35 (1023 x 889 x 889)	345 / 302 (157 / 137)
CCH660GKA1	5	60,000	30.1	50	47-1/16 x 35 x 35 (1196 x 889 x 889)	369 / 323 (167 / 147)
CCH660GKA2	5	60,000	37.5	60	47-1/16 x 35 x 35 (1196 x 889 x 889)	369 / 323 (167 / 147)

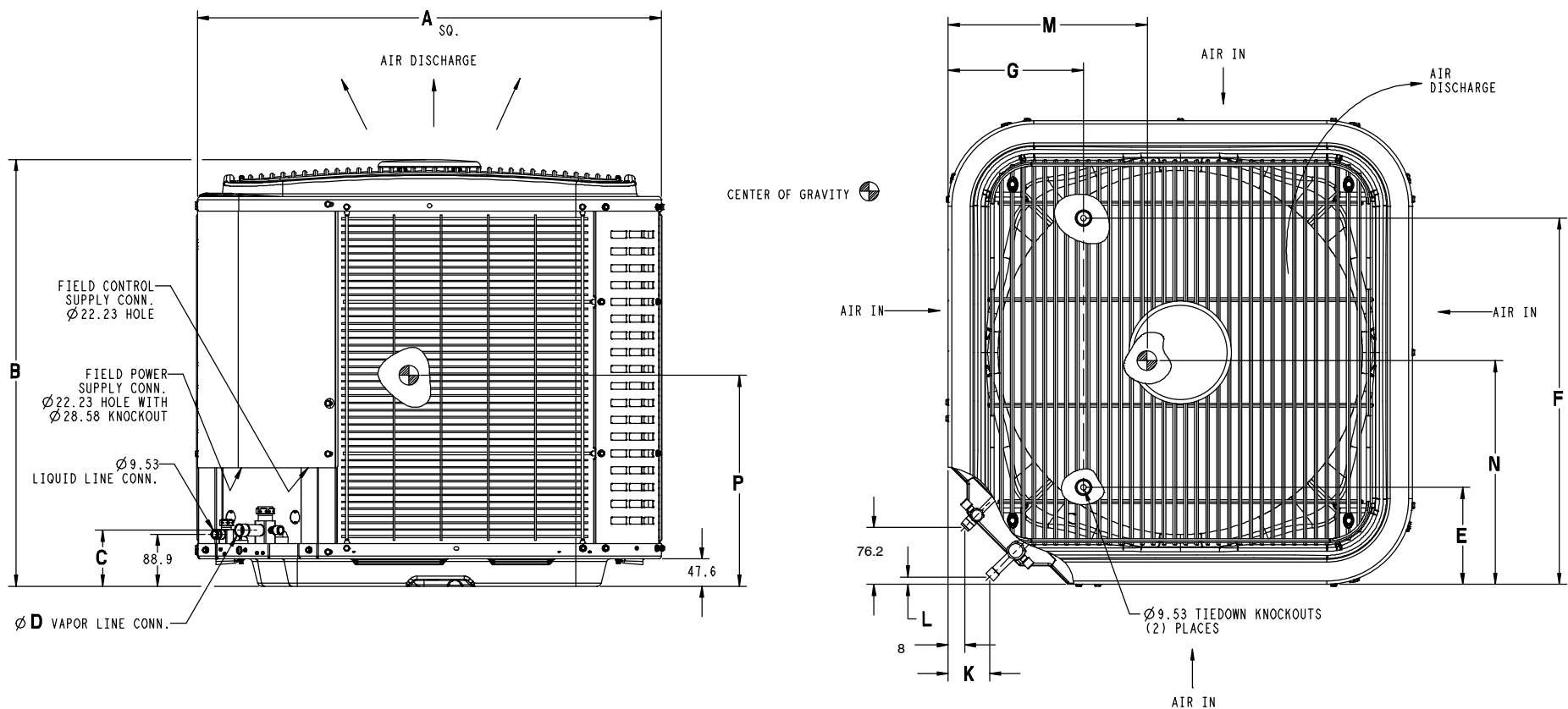
<b>OUTDOOR UNIT MODEL NUMBER IDENTIFICATION GUIDE (single phase)</b>											
Digit Position:	1	2	3	4	5, 6	7	8	9	10	11	12
Example Part Number:	<b>C</b>	<b>C</b>	<b>H</b>	<b>6</b>	<b>24</b>	<b>G</b>	<b>K</b>	<b>A</b>	<b>2</b>	<b>0</b>	<b>0</b>
C = Day & Night Mainline <b>BRANDING</b>											
C = Communicating <b>KEY CHARACTERISTIC</b>											
A = Air Conditioner H = Heat Pump <b>TYPE</b>											
6 = 16 SEER 7 = 17 SEER 8 = 18 SEER 9 = 19 SEER <b>NOMINAL EFFICIENCY</b>											
24 = 24,000 BTUH = 2 tons 36 = 36,000 BTUH = 3 tons 48 = 48,000 BTUH = 4 tons 60 = 60,000 BTUH = 5 tons <b>NOMINAL CAPACITY</b>											
G = Coil Guard Grille <b>FEATURES</b>											
K = 208-230-1-60 <b>VOLTAGE</b>											
Sales Code											
Engineering Revision											
Extra Digit											
Extra Digit											

<b>ACCESSORIES PART NUMBER IDENTIFICATION GUIDE</b>									
Digit Position:	1	2	3	4	5	6, 7	8, 9	10, 11	
Example Part Number:	<b>N</b>	<b>A</b>	<b>S</b>	<b>A</b>	<b>0</b>	<b>01</b>	<b>01</b>	<b>CH</b>	
N = Non-Branded									
A = Accessory <b>PRODUCT GROUP</b>									
S = Split System (AC & HP) <b>KIT USAGE</b>									
A = Original B = 2nd Generation <b>MAJOR SERIES</b>									
0 = Generic or Not Applicable 2 = R-22 4 = R-410A <b>REFRIGERANT</b>									
Product Identifier Number									
Package Quantity									
Type of Kit (Example: CH = Crankcase Heater)									



Dimensions Inches (English)

Model CCH6	A	B	C	D	E	F	G	K	L	M	N	P	Minimum Mounting Pad Size	Crated Dimensions L x W x H
24GKA1	35	40-1/4	3-3/4	3/4	6-9/16	28-7/16	9-1/8	2-13/16	1/2	15-3/4	16-1/2	16-1/2	35 x 35	36-1/8 x 39-1/4 x 46-1/8
24GKA3	35	40-1/4	3-3/4	3/4	6-9/16	28-7/16	9-1/8	2-13/16	1/2	17-1/4	18	18	35 x 35	36-1/8 x 39-1/4 x 46-1/8
36GKA1	35	40-1/4	3-7/8	7/8	6-9/16	28-7/16	9-1/8	2-15/16	5/8	15-3/4	17	17	35 x 35	36-1/8 x 39-1/4 x 46-1/8
36GKA2	35	40-1/4	3-7/8	7/8	6-9/16	28-7/16	9-1/8	2-15/16	5/8	17	18-1/2	18-3/4	35 x 35	36-1/8 x 39-1/4 x 46-1/8
48GKA1	35	40-1/4	3-7/8	7/8	6-9/16	28-7/16	9-1/8	2-15/16	5/8	16-3/4	14	14	35 x 35	36-1/8 x 39-1/4 x 46-1/8
48GKA2	35	40-1/4	3-7/8	7/8	6-9/16	28-7/16	9-1/8	2-15/16	5/8	17-1/2	18-1/4	20	35 x 35	36-1/8 x 39-1/4 x 46-1/8
60GKA1	35	47-1/16	3-7/8	7/8	6-9/16	28-7/16	9-1/8	2-15/16	5/8	17-1/4	18-1/4	18-1/4	35 x 35	36-1/8 x 39-1/4 x 50-13/16
60GKA2	35	47-1/16	3-7/8	7/8	6-9/16	28-7/16	9-1/8	2-15/16	5/8	16-1/2	17-1/8	21	35 x 35	36-1/8 x 39-1/4 x 50-13/16



Specifications subject to change without notice.

Dimensions mm (SI Metric)

Model CCH6	Dimensions mm (SI Metric)												Minimum Mounting Pad Size	Crated Dimensions L x W x H
	A	B	C	D	E	F	G	K	L	M	N	P		
24GKA1	889	1023	96	19	166	723	231	71	13	400	426	419	889 x 889	918 x 998 x 1172
24GKA3	889	1023	96	19	166	723	231	71	13	438	457	457	889 x 889	918 x 998 x 1172
36GKA1	889	1023	98	22	166	723	231	75	16	400	426	432	889 x 889	918 x 998 x 1172
36GKA2	889	1023	98	22	166	723	231	75	16	432	470	476	889 x 889	918 x 998 x 1172
48GKA1	889	1023	98	22	166	723	231	75	16	426	413	356	889 x 889	918 x 998 x 1172
48GKA2	889	1023	98	22	166	723	231	75	16	445	464	508	889 x 889	918 x 998 x 1172
60GKA1	889	1196	98	22	166	723	231	75	16	438	413	464	889 x 889	918 x 998 x 1290
60GKA2	889	1196	98	22	166	723	231	75	16	419	435	533	889 x 889	918 x 998 x 1290

PHYSICAL DATA				
Model Size	24	36	48	60
Nominal Cooling Capacity (BTU/hr)	24,000	36,000	48,000	60,000
SEER Rating‡	17.0	17.0	16.0	16.0
Sound Rating**, High Stage (dBA)	72	73	72	72
Low Stage (dBA)	68	70	71	72
PSC Fan Motor HP	1/12	1/12	1/4	1/4
Fan RPM	800	800	825	825
Fan CFM	3200	3200	4350	5000
Coil Face Area (ft <sup>2</sup> )	25.15	25.15	25.15	30.18
Coil Rows – fins per inch	2–20	2–20	2–20	2–20
Low Pressure Switch	Open Pressure Close Pressure	23 ± 5 PSIG 55 ± 5 PSIG	23 ± 5 PSIG 55 ± 5 PSIG	23 ± 5 PSIG 55 ± 5 PSIG
Hi Pressure Switch	Open Pressure Close Pressure	670 ± 10 PSIG 470 ± 25 PSIG	670 ± 10 PSIG 470 ± 25 PSIG	670 ± 10 PSIG 470 ± 25 PSIG
Liquid Line Connection Size in. (mm)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)
Vapor Line Connection Size in. (mm)	3/4 (19)	7/8 (22)	7/8 (22)	7/8 (22)
Recommended Line Set Liquid Tube Diameter in. (mm)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)
Recommended Line Set Vapor Tube Diameter in. (mm)*	3/4 (19)*	7/8 (22)*	1–1/8 (29)*	1–1/8 (29)*
* Recommended Vapor Tube Line size is for standard installations. These recommendations may not apply to “Long Line” installations. When the total equivalent line length exceeds 80 feet (24.4m) or there is more than 20 feet (6.1m) vertical separation between indoor and outdoor units, consult the Long Line Application Guideline document before purchasing/installing line sets.				
Factory Charge R-410A lbs. (kg)	13.07 (5.93)	13.70 (6.21)	13.73(6.23)	14.78 (6.70)
Required Subcooling °F (°C)	10 (5.6)	13 (7.2)	12 (6.7)	11 (6.1)
Outdoor Unit Factory Piston Size (used in Outdoor Unit for heating mode)	46	55	61	67

ELECTRICAL DATA (208–230–1–60, voltage range 197V – 253V)								
Model Size	24GKA1	24GKA3	36GKA1	36GKA2	48GKA1	48GKA2	60GKA1	60GKA2
Minimum Circuit Ampacity – <b>MCA</b> (amps)	16.4	16.2	21.8	23.7	34.8	29.8	30.1	37.5
Maximum OverCurrent Protective device – <b>MOCP</b> (amps)	25	25	35	40	50	50	50	60
Compressor <b>RLA</b> (Rated Load Amps)	12.7	12.5	16.7	18.5	26.9	22.8	23.0	28.8
<b>LRA</b> (Locked Rotor Amps)	52.0	58.3	82.0	83.0	96.0	104.0	118.0	152.9
Fan Motor <b>FLA</b> (Full Load Amps)	0.5	0.6	0.9	0.6	1.3	1.3	1.4	1.5

‡ Highest sales volume tested combination.

\*\*Sound Rating tested in accordance with AHRI Standard 270–95 (not listed with AHRI).

R-410A COOLING CAPACITY LOSS FOR VARIOUS LINE LENGTHS & TUBE DIAMETERS											
Unit Nominal Size (Btuh)	Maximum Liquid Line Diameter (OD) in.(mm)	Vapor Line Diameters (OD) in. (mm)	Cooling Capacity Loss (%) at Total Equivalent Line Length, feet (m)								
			26-50 (7.9-15.2)	51-80 (15.5-24.4)	81-100 (24.7-30.5)	101-125 (30.8-38.1)	126-150 (38.4-45.7)	151-175 (46.0-50.3)	176-200 (53.6-60.0)	201-225 (61.3-68.6)	226-250 (68.9-76.2)
24 2-Stage HP	3/8 (10)	5/8 (16)	0	1	1	2	3	3	4	4	5
		3/4 (19)	0	1	1	1	1	1	1	1	1
36 2-Stage HP		5/8 (16)	1	2	4	5	6	7	9	10	11
		3/4 (19)	0	0	1	1	2	2	3	3	4
		7/8 (22)	0	0	-	-	-	-	-	-	-
48 2-Stage HP		3/4 (19)	1	2	2	3	4	5	6	7	7
		7/8 (22)	0	1	1	2	2	2	3	3	4
		1-1/8 (29)	0	0	-	-	-	-	-	-	-
60 2-Stage HP		3/4 (19)	1	2	4	5	6	8	9	10	11
		7/8 (22)	0	1	2	2	3	4	4	5	5
		1-1/8 (29)	0	0	-	-	-	-	-	-	-

Standard Length – 80 ft. (24.4m) or less total equivalent length.

Applications in this area are long line. Accessories are required as shown recommended on the AC & HP R410A Split System Long Line Applications Guideline.

Applications in this area may have height restrictions that limit allowable total equivalent length, when outdoor unit is below indoor unit.

- Applications in this area are not recommended due to insufficient oil return.

## TESTED AHRI COMBINATION RATINGS\*

NOTE: Ratings contained in this document are subject to change at any time.

For AHRI ratings certificates, please refer to the AHRI directory. [www.ahridirectory.org](http://www.ahridirectory.org)

Additional ratings and system combinations can be accessed via the Day and Night database at:

<http://www.icpeqp.com/AHRIratings/ratings.aspx?Brand=DayAndNight>

Or scan this QR code:



COOLING & HEATING PERFORMANCE FOR COMBINATION RATINGS Indoor Models																	
AHRI STANDARD RATINGS																	
Unit Size	Indoor Model *Model Tested	Furnace Model	Cooling						Heating								
			Capacity		SEER	EER	ID CFM		High Temp				Low Temp				HSPF
			High	Low			High	Low	Capacity		COP		Capacity		COP		
					High	Low			High	Low	High	Low	High	Low	High	Low	
CCH624GKA1	*FVM4X24****		23800	20200	16.5	13.0	700	560	25400	17700	3.82	3.82	15300	9500	2.72	2.18	9.0
CCH624GKA3	*FVM4X24****		24000	21000	17.0	13.0	700	560	25000	17900	3.90	3.84	15300	10100	2.74	2.32	9.0
CCH636GKA1	*FVM4X60****		36400	28600	17.0	13.2	1050	840	35600	23800	4.06	4.06	22200	12200	2.94	2.28	9.5
CCH636GKA2	*FVM4X60****		36400	30800	17.0	13.3	1050	840	35800	25200	4.06	4.10	22600	15300	3.00	2.60	9.5
CCH648GKA1	*FVM4X48****		46500	38000	16.0	12.5	1400	1120	47000	33200	3.60	3.80	29400	20200	2.78	2.54	9.0
CCH648GKA2	*FVM4X48****		47000	39000	16.0	12.5	1400	1120	47000	33000	3.68	3.70	29200	19400	2.72	2.34	9.0
CCH660GKA1	*FCM4X60****		56500	45500	15.7	12.5	1750	1400	58000	41000	3.78	3.86	36600	25000	2.78	2.48	9.1
CCH660GKA2	*FVM4X60****		56500	46000	16.0	12.5	1750	1400	58000	39500	3.72	3.76	36000	23400	2.76	2.38	9.0

ENERGY STAR compliance for combinations with all three: SEER 14.50 or higher and EER 12.00 or higher and HSPF 8.2 or higher.

\* AHRI = Air Conditioning, Heating & Refrigeration Institute

**EERA** — Energy Efficiency Ratio – 'A' conditions – 80°F (26.6°C) indoor db/67°F (19.4°C) indoor wb & 95°F (35° C) outdoor wb.

**SEER** — Seasonal Energy Efficiency Ratio

**NOTES:**

1. Ratings are net values reflecting the effects of circulating fan motor heat. Supplemental electric heat is not included.
2. Tested outdoor/indoor combinations have been tested in accordance with DOE test procedures for central air conditioners. Ratings for other combinations are determined under DOE computer simulation procedures.
3. Determine actual CFM values obtainable for your system by referring to fan performance data in fan coil or furnace coil literature.
4. Do not apply with capillary tube coils as performance and reliability are significantly affected.

**EXPANDED COOLING PERFORMANCE RATINGS For GKA100 Outdoor / Indoor Models**

For complete ratings information, use the AHRI website directory search: [www.AHRIdirectory.org](http://www.AHRIdirectory.org).  
New ratings may be listed online before Specification Sheets are updated.

**High Cool, CCH624GKA100 Outdoor With FVM4X24\*\*\*\* Indoor Cooling**

CFM		Outdoor Ambient Temperature - Degrees F, Dry Bulb																								
		75					85					95					105					115				
		Entering Indoor Temperature - Degrees F, Wet Bulb																								
	57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72	
600	MBh†	20.78	22.09	22.44	24.33	26.81	20.01	21.09	21.42	23.23	25.59	19.19	20.03	20.33	22.06	24.31	18.30	18.90	19.17	20.82	22.95	17.34	17.71	17.93	19.49	21.50
	S/T‡	1.00	0.87	0.70	0.68	0.52	1.00	0.88	0.72	0.69	0.52	1.00	0.90	0.73	0.70	0.53	1.00	0.93	0.74	0.72	0.54	1.00	0.95	0.76	0.73	0.54
	AMPS*	6.50	6.55	6.56	6.63	6.73	7.18	7.23	7.24	7.31	7.41	7.91	7.95	7.96	8.04	8.13	8.70	8.73	8.75	8.83	8.93	9.60	9.62	9.64	9.72	9.83
	HI PR	254	256	256	259	262	295	297	298	301	305	342	344	344	348	352	394	396	396	400	404	453	454	455	459	464
	LO PR	114	121	122	132	144	117	123	124	134	146	120	125	126	136	148	124	127	129	139	151	128	130	131	141	153
650	MBh†	21.43	22.53	22.89	24.81	27.31	20.63	21.50	21.83	23.66	26.05	19.77	20.41	20.70	22.46	24.73	18.84	19.25	19.50	21.17	23.33	17.84	18.04	18.22	19.80	21.83
	S/T‡	1.00	0.89	0.72	0.69	0.52	1.00	0.91	0.73	0.70	0.53	1.00	0.93	0.74	0.72	0.54	1.00	0.95	0.76	0.73	0.54	1.00	0.98	0.78	0.75	0.55
	AMPS*	6.55	6.60	6.61	6.68	6.78	7.24	7.27	7.29	7.36	7.46	7.96	7.99	8.01	8.08	8.18	8.76	8.78	8.79	8.87	8.98	9.65	9.67	9.68	9.77	9.88
	HI PR	255	256	257	260	263	296	298	299	302	305	343	344	345	348	353	395	396	397	401	405	454	455	456	460	464
	LO PR	117	123	124	134	146	120	125	126	136	148	124	127	129	138	151	127	130	131	141	153	131	132	133	143	155
700	MBh†	22.04	22.93	23.28	25.22	27.75	21.20	21.87	22.18	24.05	26.46	20.30	20.75	21.02	22.80	25.10	19.33	19.58	19.79	21.48	23.66	18.29	18.35	18.48	20.08	22.13
	S/T‡	1.00	0.91	0.73	0.71	0.53	1.00	0.93	0.74	0.72	0.54	1.00	0.95	0.76	0.73	0.54	1.00	0.97	0.78	0.75	0.55	1.00	1.00	0.80	0.77	0.56
	AMPS*	6.61	6.64	6.66	6.73	6.83	7.29	7.32	7.33	7.41	7.50	8.02	8.04	8.05	8.13	8.23	8.81	8.82	8.83	8.91	9.02	9.71	9.71	9.72	9.81	9.92
	HI PR	256	257	257	260	264	297	299	299	302	306	344	345	346	349	353	396	397	398	401	406	456	456	456	460	465
	LO PR	121	125	127	136	148	124	127	129	138	151	127	129	131	141	153	130	132	133	143	155	134	135	135	145	157
800	MBh†	23.11	23.63	23.93	25.92	28.51	22.21	22.53	22.78	24.68	27.15	21.24	21.39	21.56	23.37	25.72	20.20	20.23	20.27	21.99	24.21	19.08	19.11	18.90	20.52	22.61
	S/T‡	1.00	0.95	0.76	0.73	0.54	1.00	0.97	0.77	0.75	0.55	1.00	0.99	0.79	0.76	0.56	1.00	1.00	0.81	0.79	0.57	1.00	1.00	0.83	0.81	0.58
	AMPS*	6.71	6.73	6.74	6.82	6.92	7.39	7.40	7.41	7.49	7.59	8.11	8.12	8.13	8.21	8.31	8.91	8.91	8.91	8.99	9.10	9.80	9.80	9.80	9.88	9.99
	HI PR	257	258	258	261	265	299	300	300	303	307	346	346	347	350	354	398	398	398	402	407	457	457	457	461	466
	LO PR	126	129	130	140	152	129	131	132	142	154	133	133	134	144	156	136	136	136	146	159	140	140	138	148	161

**Low Cool, CCH624GKA100 Outdoor With FVM4X24\*\*\*\* Indoor Cooling**

CFM		Outdoor Ambient Temperature - Degrees F, Dry Bulb																								
		75					85					95					105					115				
		Entering Indoor Temperature - Degrees F, Wet Bulb																								
	57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72	
480	MBh†	17.44	16.79	17.09	18.75	20.92	14.10	14.72	14.97	16.45	18.36	12.34	12.74	12.94	14.24	15.91	10.63	10.85	10.99	12.12	13.56	9.00	9.07	9.15	10.12	11.34
	S/T‡	1.00	0.89	0.72	0.69	0.52	1.00	0.91	0.73	0.70	0.53	1.00	0.94	0.75	0.72	0.53	1.00	0.96	0.77	0.73	0.54	1.00	0.99	0.79	0.76	0.55
	AMPS*	4.27	4.18	4.19	4.24	4.29	4.96	4.97	4.98	5.03	5.08	5.88	5.90	5.90	5.95	6.01	6.99	7.00	7.01	7.05	7.11	8.34	8.34	8.35	8.40	8.47
	HI PR	247	246	246	249	252	285	286	286	289	293	330	331	331	334	338	380	381	382	385	389	437	438	438	442	446
	LO PR	128	124	125	135	146	122	126	127	137	148	125	128	130	139	151	129	131	132	142	153	133	134	135	144	156
520	MBh†	16.47	17.17	17.46	19.15	21.35	14.58	15.05	15.29	16.79	18.73	12.74	13.02	13.20	14.52	16.21	10.98	11.09	11.20	12.35	13.81	9.28	9.30	9.32	10.30	11.54
	S/T‡	1.00	0.91	0.74	0.70	0.53	1.00	0.93	0.75	0.72	0.53	1.00	0.96	0.77	0.73	0.54	1.00	0.98	0.78	0.75	0.55	1.00	1.00	0.81	0.78	0.56
	AMPS*	4.19	4.21	4.22	4.27	4.33	4.99	5.01	5.02	5.06	5.12	5.92	5.93	5.93	5.98	6.04	7.02	7.03	7.04	7.09	7.15	8.38	8.38	8.38	8.44	8.50
	HI PR	245	246	247	249	252	286	287	287	290	293	331	332	332	335	339	381	382	382	386	390	438	438	439	442	447
	LO PR	122	126	127	137	149	125	128	129	139	151	129	131	132	141	153	132	133	134	144	156	136	137	136	146	158
560	MBh†	16.97	17.51	17.78	19.51	21.74	15.01	15.35	15.56	17.09	19.05	13.12	13.28	13.42	14.77	16.48	11.29	11.32	11.39	12.55	14.03	9.54	9.56	9.46	10.46	11.71
	S/T‡	1.00	0.93	0.75	0.72	0.53	1.00	0.95	0.76	0.73	0.54	1.00	0.98	0.78	0.75	0.55	1.00	1.00	0.80	0.77	0.56	1.00	1.00	0.83	0.79	0.57
	AMPS*	4.23	4.25	4.25	4.30	4.37	5.03	5.04	5.05	5.10	5.15	5.96	5.96	5.97	6.02	6.08	7.06	7.07	7.07	7.12	7.18	8.42	8.42	8.42	8.47	8.53
	HI PR	246	247	247	250	253	287	287	288	290	294	332	332	333	336	339	382	383	383	386	390	439	439	439	443	447
	LO PR	125	128	129	139	151	128	130	131	141	153	132	133	133	143	155	135	135	136	146	157	139	139	138	148	160
640	MBh†	17.87	18.12	18.33	20.10	22.38	15.79	15.90	16.02	17.59	19.60	13.77	13.80	13.80	15.17	16.92	11.84	11.86	11.69	12.88	14.38	9.99	10.01	9.70	10.71	11.99
	S/T‡	1.00	0.97	0.78	0.75	0.55	1.00	0.99	0.79	0.76	0.56	1.00	1.00	0.81	0.78	0.56	1.00	1.00	0.84	0.81	0.58	1.00	1.00	0.87	0.84	0.59
	AMPS*	4.32	4.33	4.33	4.39	4.45	5.12	5.12	5.13	5.17	5.23	6.04	6.05	6.05	6.09	6.15	7.15	7.15	7.15	7.20	7.26	8.52	8.51	8.50	8.55	8.61
	HI PR	247	248	248	251	254	288	288	288	291	295	333	333	333	336	340	384	384	384	387	391	441	441	440	444	448
	LO PR	131	132	133	143	155	134	134	135	145	157	137	137	137	147	159	140	141	139	149	161	144	144	141	151	163

† Total capacities are net (I.D blower heat subtracted) system capacities based on 25' line set.  
If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.  
\* System amps are total of indoor and outdoor amps  
‡ S/T are based on 80 F db entering air at the indoor coil. For sensible capacities at other than 80 F db, deduct 835 Btuh per 1000 cfm of indoor coil air from MBhxS/T for each degree below 80 F, or add 835 Btuh per 1000 cfm of indoor coil air from MBhxS/T for each degree above 80 F  
†† At TVA rating indoor condition (75 F db/ 63 F wb), All other indoor air temperatures are at 80 F db



**EXPANDED COOLING PERFORMANCE RATINGS For GKA100 Outdoor / Indoor Models**

For complete ratings information, use the AHRI website directory search: [www.AHRIdirectory.org](http://www.AHRIdirectory.org).  
New ratings may be listed online before Specification Sheets are updated.

**High Cool, CCH636GKA100 Outdoor With FVM4X60\*\*\*\* Indoor Cooling**

Outdoor Ambient Temperature - Degrees F, Dry Bulb

75 85 95 105 115

Entering Indoor Temperature - Degrees F, Wet Bulb

CFM		75					85					95					105					115				
		57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72
900	MBh†	32.06	34.14	34.91	37.94	42.13	30.95	32.62	33.36	36.28	40.33	29.77	31.03	31.72	34.54	38.42	28.50	29.35	29.99	32.68	36.41	27.15	27.58	28.17	30.73	34.28
	S/T‡	1.00	0.87	0.70	0.67	0.51	1.00	0.88	0.71	0.68	0.51	1.00	0.91	0.73	0.70	0.52	1.00	0.93	0.74	0.71	0.52	1.00	0.97	0.76	0.73	0.53
	AMPS*	9.25	9.33	9.36	9.48	9.63	10.25	10.32	10.35	10.46	10.61	11.33	11.38	11.40	11.51	11.67	12.49	12.53	12.55	12.67	12.84	13.79	13.81	13.84	13.96	14.14
	HI PR	256	258	258	261	265	297	299	300	302	306	342	343	344	347	351	391	392	393	397	401	446	446	447	451	456
	LO PR	121	128	130	140	153	124	130	132	143	156	128	133	135	145	158	132	135	137	148	161	136	138	140	150	164
975	MBh†	33.10	34.80	35.57	38.64	42.89	31.94	33.24	33.96	36.92	41.01	30.70	31.59	32.27	35.10	39.04	29.38	29.87	30.48	33.19	36.97	27.97	28.09	28.59	31.18	34.78
	S/T‡	1.00	0.89	0.71	0.69	0.51	1.00	0.91	0.73	0.70	0.52	1.00	0.93	0.74	0.71	0.53	1.00	0.96	0.76	0.73	0.53	1.00	0.99	0.78	0.75	0.55
	AMPS*	9.33	9.40	9.42	9.54	9.70	10.34	10.39	10.41	10.52	10.68	11.40	11.44	11.46	11.58	11.74	12.57	12.59	12.62	12.74	12.91	13.87	13.88	13.90	14.02	14.21
	HI PR	257	258	259	262	265	298	299	300	303	307	343	344	345	348	352	393	393	394	397	402	447	447	448	451	457
	LO PR	125	130	132	143	156	128	132	135	145	158	132	135	137	147	161	135	137	139	150	163	140	140	142	152	166
1050	MBh†	34.06	35.39	36.15	39.25	43.55	32.84	33.78	34.48	37.46	41.61	31.55	32.10	32.74	35.60	39.59	30.18	30.36	30.90	33.63	37.45	28.71	28.76	28.97	31.56	35.20
	S/T‡	1.00	0.91	0.73	0.70	0.52	1.00	0.93	0.74	0.72	0.53	1.00	0.96	0.78	0.73	0.53	1.00	0.99	0.78	0.75	0.54	1.00	1.00	0.81	0.78	0.56
	AMPS*	9.41	9.46	9.49	9.61	9.76	10.42	10.45	10.47	10.58	10.74	11.48	11.50	11.52	11.64	11.80	12.65	12.65	12.68	12.80	12.97	13.95	13.95	13.96	14.08	14.27
	HI PR	258	259	260	263	266	299	300	301	303	308	344	345	345	348	353	394	394	394	398	403	448	448	448	452	457
	LO PR	128	132	134	145	158	131	134	137	147	160	135	137	139	149	163	139	139	141	151	165	143	143	143	154	168
1200	MBh†	35.76	36.40	37.10	40.23	44.63	34.45	34.75	35.36	38.36	42.59	33.06	33.11	33.52	36.40	40.46	31.58	31.63	31.60	34.35	38.24	30.00	30.04	29.58	32.20	35.88
	S/T‡	1.00	0.96	0.76	0.73	0.53	1.00	0.98	0.78	0.75	0.54	1.00	1.00	0.80	0.77	0.55	1.00	1.00	0.82	0.79	0.56	1.00	1.00	0.85	0.82	0.58
	AMPS*	9.56	9.59	9.61	9.73	9.89	10.56	10.57	10.59	10.70	10.87	11.62	11.62	11.63	11.75	11.92	12.79	12.79	12.79	12.91	13.09	14.09	14.09	14.07	14.20	14.39
	HI PR	260	260	261	263	267	301	301	302	304	309	346	346	346	350	354	396	396	395	399	404	450	450	449	453	458
	LO PR	134	136	138	148	162	137	138	140	150	164	141	141	142	152	166	144	145	144	155	168	148	149	146	157	171

**Low Cool, CCH636GKA100 Outdoor With FVM4X60\*\*\*\* Indoor Cooling**

Outdoor Ambient Temperature - Degrees F, Dry Bulb

75 85 95 105 115

Entering Indoor Temperature - Degrees F, Wet Bulb

CFM		75					85					95					105					115				
		57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72
720	MBh†	24.78	25.74	26.31	28.79	32.28	21.85	22.41	22.89	25.06	28.14	19.05	19.29	19.67	21.56	24.23	16.40	16.43	16.65	18.27	20.57	13.88	13.91	13.85	15.21	17.17
	S/T‡	1.00	0.91	0.73	0.70	0.52	1.00	0.94	0.75	0.72	0.53	1.00	0.97	0.77	0.74	0.54	1.00	1.00	0.79	0.76	0.55	1.00	1.00	0.82	0.79	0.56
	AMPS*	6.00	5.97	5.96	5.92	5.88	6.92	6.91	6.90	6.84	6.77	7.96	7.95	7.94	7.86	7.77	9.16	9.15	9.14	9.04	8.92	10.55	10.55	10.56	10.43	10.27
	HI PR	245	246	246	248	251	284	285	285	288	291	328	328	329	332	335	376	376	377	380	384	430	430	430	433	436
	LO PR	130	134	136	146	160	134	136	138	149	163	138	139	141	151	165	142	142	143	154	168	147	147	146	157	171
780	MBh†	25.58	26.23	26.78	29.30	32.86	22.54	22.84	23.28	25.49	28.61	19.64	19.69	19.98	21.90	24.61	16.89	16.92	16.90	18.54	20.88	14.29	14.32	14.04	15.42	17.40
	S/T‡	1.00	0.94	0.75	0.72	0.53	1.00	0.97	0.77	0.74	0.54	1.00	1.00	0.79	0.76	0.55	1.00	1.00	0.82	0.78	0.56	1.00	1.00	0.85	0.82	0.58
	AMPS*	6.00	5.99	5.98	5.94	5.90	6.92	6.92	6.91	6.85	6.78	7.96	7.96	7.95	7.87	7.78	9.14	9.14	9.15	9.05	8.93	10.53	10.53	10.56	10.43	10.27
	HI PR	245	246	246	249	252	285	285	286	288	292	329	329	329	332	336	377	377	377	380	384	431	431	430	433	437
	LO PR	134	136	138	148	162	137	139	140	151	165	141	141	143	153	167	145	146	145	156	170	150	150	148	158	173
840	MBh†	26.32	26.70	27.20	29.76	33.36	23.18	23.26	23.62	25.86	29.02	20.18	20.22	20.26	22.20	24.94	17.34	17.37	17.12	18.78	21.13	14.66	14.68	14.21	15.61	17.60
	S/T‡	1.00	0.97	0.77	0.74	0.54	1.00	1.00	0.79	0.76	0.55	1.00	1.00	0.81	0.78	0.56	1.00	1.00	0.84	0.81	0.57	1.00	1.00	0.88	0.84	0.59
	AMPS*	6.01	6.00	5.99	5.95	5.91	6.93	6.93	6.92	6.86	6.80	7.96	7.95	7.96	7.88	7.79	9.14	9.14	9.16	9.06	8.94	10.52	10.52	10.57	10.44	10.28
	HI PR	246	246	247	249	252	286	286	286	289	292	330	330	330	333	336	378	378	378	381	385	432	432	430	434	437
	LO PR	137	138	140	150	164	140	141	142	153	167	144	145	144	155	169	148	149	147	157	172	153	153	149	160	174
960	MBh†	27.65	27.70	27.90	30.50	34.18	24.31	24.36	24.19	26.47	29.69	21.14	21.18	20.72	22.69	25.48	18.14	18.17	17.49	19.18	21.56	15.31	15.34	14.51	15.92	17.93
	S/T‡	1.00	1.00	0.80	0.77	0.55	1.00	1.00	0.83	0.80	0.57	1.00	1.00	0.86	0.82	0.58	1.00	1.00	0.89	0.86	0.60	1.00	1.00	0.93	0.90	0.62
	AMPS*	6.03	6.03	6.02	5.99	5.95	6.94	6.94	6.95	6.89	6.83	7.96	7.96	7.98	7.91	7.82	9.13	9.13	9.18	9.08	8.96	10.51	10.51	10.58	10.46	10.30
	HI PR	247	247	248	250	253	287	287	287	290	293	331	331	331	333	337	380	380	378	381	385	433	433	431	434	438
	LO PR	142	143	143	154	168	146	146	145	156	170	150	150	147	158	172	154	154	149	160	175	158	158	152	163	177

† Total capacities are net (I.D blower heat subtracted) system capacities based on 25' line set.

If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.

\* System amps are total of indoor and outdoor amps

‡ S/T are based on 80 F db entering air at the indoor coil. For sensible capacities at other than 80 F db, deduct 835 Btu/h per 1000 cfm of indoor coil air from MBhX/S/T for each degree below 80 F, or add 835 Btu/h per 1000 cfm of indoor coil air from MBhX/S/T for each degree above 80 F

†† At TVA rating indoor condition (75 F db/ 63 F wb). All other indoor air temperatures are at 80 F db

**EXPANDED COOLING PERFORMANCE RATINGS For GKA100 Outdoor / Indoor Models**

For complete ratings information, use the AHRI website directory search: [www.AHRIdirectory.org](http://www.AHRIdirectory.org).  
New ratings may be listed online before Specification Sheets are updated.

**High Cool, CCH648GKA100 Outdoor With FVM4X48\*\*\*\* Indoor Cooling**

CFM		Outdoor Ambient Temperature - Degrees F, Dry Bulb																								
		75					85					95					105					115				
		Entering Indoor Temperature - Degrees F, Wet Bulb																								
		57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72
1200	MBh†	42.47	45.12	46.10	50.00	55.43	41.08	43.27	44.20	47.96	53.18	39.57	41.27	42.14	45.75	50.78	37.92	39.11	39.91	43.37	48.18	36.11	36.79	37.50	40.79	45.36
	S/T‡	1.00	0.87	0.70	0.67	0.50	1.00	0.88	0.71	0.68	0.51	1.00	0.90	0.72	0.69	0.51	1.00	0.93	0.74	0.71	0.52	1.00	0.96	0.76	0.73	0.53
	AMPS*	13.03	13.12	13.16	13.31	13.51	14.37	14.45	14.49	14.64	14.85	15.82	15.90	15.93	16.09	16.32	17.43	17.49	17.52	17.69	17.93	19.23	19.27	19.30	19.48	19.73
	HI PR	258	260	260	263	267	299	301	301	305	309	344	346	347	350	355	394	395	396	400	406	448	449	450	454	460
	LO PR	119	125	128	137	150	122	128	130	139	152	125	130	132	142	155	129	132	134	144	158	133	135	137	147	160
1300	MBh†	43.73	45.91	46.86	50.82	56.31	42.28	43.99	44.90	48.70	54.00	40.70	41.93	42.77	46.43	51.51	38.96	39.73	40.47	43.97	48.83	37.07	37.39	38.00	41.31	45.93
	S/T‡	1.00	0.89	0.71	0.69	0.51	1.00	0.91	0.73	0.70	0.52	1.00	0.93	0.74	0.71	0.52	1.00	0.96	0.76	0.73	0.53	1.00	0.98	0.78	0.75	0.54
	AMPS*	13.17	13.25	13.28	13.44	13.64	14.51	14.58	14.61	14.77	14.99	15.97	16.02	16.06	16.22	16.45	17.58	17.62	17.65	17.83	18.07	19.38	19.40	19.43	19.61	19.87
	HI PR	259	260	261	264	268	300	301	302	305	310	345	347	347	351	356	395	396	397	401	406	450	450	451	455	461
	LO PR	122	128	130	140	153	125	130	132	142	155	129	132	134	144	157	132	134	136	146	160	136	137	139	149	162
1400	MBh†	44.88	46.59	47.52	51.52	57.08	43.36	44.63	45.50	49.35	54.69	41.71	42.54	43.31	47.00	52.13	39.91	40.30	40.95	44.47	49.39	37.96	38.02	38.42	41.76	46.41
	S/T‡	1.00	0.91	0.73	0.70	0.52	1.00	0.93	0.74	0.71	0.52	1.00	0.95	0.76	0.73	0.53	1.00	0.98	0.78	0.75	0.54	1.00	1.00	0.80	0.77	0.55
	AMPS*	13.31	13.38	13.41	13.56	13.79	14.66	14.71	14.74	14.89	15.12	16.11	16.15	16.18	16.35	16.58	17.73	17.75	17.77	17.95	18.19	19.53	19.54	19.55	19.74	19.99
	HI PR	260	261	261	264	268	301	302	303	306	311	346	347	348	352	357	396	397	397	402	407	451	451	451	456	462
	LO PR	125	130	132	141	155	128	132	134	144	157	132	134	136	146	159	135	136	138	148	161	139	139	140	150	164
1600	MBh†	46.88	47.78	48.60	52.67	58.32	45.26	45.76	46.47	50.37	55.81	43.49	43.66	44.19	47.92	53.14	41.57	41.63	41.73	45.30	50.27	39.48	39.53	39.09	42.46	47.18
	S/T‡	1.00	0.96	0.76	0.73	0.53	1.00	0.97	0.77	0.75	0.54	1.00	0.99	0.79	0.76	0.55	1.00	1.00	0.81	0.79	0.56	1.00	1.00	0.84	0.81	0.57
	AMPS*	13.58	13.62	13.64	13.80	14.03	14.93	14.95	14.97	15.13	15.37	16.39	16.40	16.42	16.59	16.83	18.01	18.01	18.01	18.20	18.44	19.82	19.82	19.79	19.98	20.24
	HI PR	261	262	262	265	269	303	303	304	307	312	348	349	349	353	358	398	399	399	403	408	453	453	453	457	463
	LO PR	131	133	135	145	158	134	135	136	147	160	137	137	138	149	162	140	141	141	151	164	144	145	143	153	167

**Low Cool, CCH648GKA100 Outdoor With FVM4X48\*\*\*\* Indoor Cooling**

CFM		Outdoor Ambient Temperature - Degrees F, Dry Bulb																								
		75					85					95					105					115				
		Entering Indoor Temperature - Degrees F, Wet Bulb																								
		57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72
960	MBh†	32.99	34.40	35.17	38.47	43.00	29.78	30.74	31.40	34.37	38.44	26.62	27.19	27.74	30.40	34.01	23.54	23.77	24.20	26.54	29.73	20.55	20.59	20.78	22.82	25.61
	S/T‡	1.00	0.91	0.73	0.70	0.52	1.00	0.93	0.74	0.71	0.52	1.00	0.95	0.76	0.73	0.53	1.00	0.98	0.78	0.74	0.54	1.00	1.00	0.80	0.77	0.55
	AMPS*	8.75	8.73	8.72	8.68	8.63	10.16	10.14	10.12	10.05	9.97	11.77	11.74	11.72	11.61	11.50	13.61	13.59	13.57	13.43	13.28	15.77	15.76	15.75	15.58	15.38
	HI PR	247	248	249	251	254	288	288	289	292	295	332	333	333	336	339	380	381	381	384	388	433	433	434	437	441
	LO PR	127	132	134	144	157	130	134	136	146	159	134	136	138	148	161	138	139	140	151	164	142	142	143	153	167
1040	MBh†	34.03	35.04	35.77	39.13	43.70	30.70	31.31	31.92	34.92	39.03	27.43	27.70	28.18	30.85	34.51	24.24	24.28	24.55	26.91	30.14	21.14	21.18	21.08	23.12	25.94
	S/T‡	1.00	0.93	0.74	0.71	0.52	1.00	0.96	0.76	0.73	0.53	1.00	0.98	0.78	0.75	0.54	1.00	1.00	0.80	0.77	0.55	1.00	1.00	0.82	0.79	0.56
	AMPS*	8.78	8.77	8.76	8.72	8.67	10.19	10.17	10.16	10.09	10.02	11.78	11.77	11.76	11.65	11.54	13.62	13.61	13.60	13.47	13.32	15.77	15.77	15.78	15.61	15.42
	HI PR	248	249	249	252	255	288	289	290	292	295	333	333	334	336	340	381	381	381	384	388	434	434	434	437	441
	LO PR	131	134	136	146	159	134	136	138	148	161	137	138	140	150	163	141	141	142	152	166	145	145	144	155	168
1120	MBh†	34.98	35.63	36.29	39.68	44.30	31.53	31.84	32.37	35.39	39.55	28.16	28.21	28.55	31.24	34.93	24.87	24.91	24.86	27.22	30.49	21.67	21.70	21.33	23.38	26.22
	S/T‡	1.00	0.96	0.76	0.73	0.53	1.00	0.98	0.78	0.75	0.54	1.00	1.00	0.80	0.77	0.55	1.00	1.00	0.82	0.79	0.56	1.00	1.00	0.85	0.82	0.58
	AMPS*	8.82	8.81	8.80	8.77	8.72	10.22	10.21	10.21	10.13	10.06	11.80	11.80	11.79	11.69	11.58	13.63	13.63	13.64	13.51	13.36	15.78	15.77	15.82	15.64	15.46
	HI PR	249	249	250	252	255	289	290	290	293	296	334	334	334	337	340	382	382	382	385	389	435	435	434	438	442
	LO PR	134	136	137	148	161	137	138	139	150	163	140	140	141	152	165	144	144	143	154	168	148	148	146	156	170
1280	MBh†	36.65	36.73	37.16	40.58	45.30	33.00	33.05	33.10	36.15	40.38	29.43	29.48	29.17	31.87	35.62	25.96	26.00	25.37	27.75	31.05	22.59	22.63	21.74	23.80	26.66
	S/T‡	1.00	1.00	0.80	0.77	0.55	1.00	1.00	0.81	0.78	0.56	1.00	1.00	0.84	0.81	0.57	1.00	1.00	0.86	0.83	0.58	1.00	1.00	0.89	0.86	0.60
	AMPS*	8.90	8.90	8.89	8.86	8.82	10.29	10.29	10.29	10.22	10.15	11.86	11.86	11.87	11.78	11.67	13.68	13.67	13.72	13.59	13.44	15.81	15.81	15.89	15.72	15.54
	HI PR	250	250	251	253	256	291	291	291	293	297	335	335	335	337	341	383	384	383	386	390	437	437	435	438	443
	LO PR	139	139	140	151	164	142	142	142	153	166	146	146	144	155	168	149	149	146	157	170	153	153	148	159	173

† Total capacities are net (I.D blower heat subtracted) system capacities based on 25' line set.  
If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.  
\* System amps are total of indoor and outdoor amps  
‡ S/T are based on 80 F db entering air at the indoor coil. For sensible capacities at other than 80 F db, deduct 835 Btuh per 1000 cfm of indoor coil air from MBhxS/T for each degree below 80 F, or add 835 Btuh per 1000 cfm of indoor coil air from MBhxS/T for each degree above 80 F  
†† At TVA rating indoor condition (75 F db/ 63 F wb). All other indoor air temperatures are at 80 F db

**EXPANDED COOLING PERFORMANCE RATINGS For GKA100 Outdoor / Indoor Models**

For complete ratings information, use the AHRI website directory search: [www.AHRIdirectory.org](http://www.AHRIdirectory.org).  
New ratings may be listed online before Specification Sheets are updated.

**High Cool CCH660GKA100 Outdoor With FCM4X60\*\*\*\* Indoor Cooling**

CFM		Outdoor Ambient Temperature - Degrees F, Dry Bulb																								
		75					85					95					105					115				
		Entering Indoor Temperature - Degrees F, Wet Bulb																								
		57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72
1500	MBh†	51.82	54.67	55.83	60.36	66.60	50.23	52.51	53.60	57.94	63.93	48.45	50.14	51.18	55.31	61.00	46.47	47.58	48.50	52.40	57.78	44.25	44.76	45.56	49.21	54.25
	S/T‡	1.00	0.88	0.71	0.68	0.51	1.00	0.90	0.72	0.69	0.51	1.00	0.92	0.73	0.70	0.52	1.00	0.94	0.75	0.72	0.53	1.00	0.97	0.77	0.74	0.54
	AMPS*	15.40	15.52	15.57	15.78	16.07	17.05	17.16	17.20	17.41	17.70	18.82	18.91	18.95	19.17	19.47	20.76	20.82	20.87	21.09	21.39	22.91	22.94	22.98	23.21	23.52
	HI PR	259	260	261	264	268	300	302	302	306	310	345	347	348	351	356	395	396	397	401	406	449	450	451	455	460
	LO PR	120	126	128	138	152	123	128	130	140	154	127	131	133	143	156	130	133	135	145	159	134	136	138	148	162
1625	MBh†	53.29	55.54	56.67	61.24	67.55	51.61	53.30	54.38	58.75	64.78	49.73	50.89	51.86	56.01	61.74	47.66	48.25	49.10	53.01	58.44	45.34	45.43	46.07	49.73	54.79
	S/T‡	1.00	0.90	0.72	0.69	0.51	1.00	0.92	0.73	0.71	0.52	1.00	0.94	0.75	0.72	0.53	1.00	0.97	0.77	0.74	0.54	1.00	1.00	0.79	0.76	0.55
	AMPS*	15.61	15.71	15.75	15.97	16.26	17.26	17.34	17.38	17.59	17.90	19.03	19.09	19.13	19.35	19.65	20.97	21.01	21.05	21.27	21.58	23.12	23.12	23.15	23.39	23.70
	HI PR	260	261	262	265	268	301	302	303	306	311	347	348	348	352	357	396	397	398	402	407	451	451	451	455	461
	LO PR	124	128	131	141	154	127	130	133	143	156	130	133	135	145	158	134	135	137	147	161	138	138	139	150	164
1750	MBh†	54.61	56.30	57.41	62.00	68.36	52.85	54.02	55.03	59.43	65.49	50.91	51.55	52.43	56.60	62.37	48.73	48.92	49.60	53.53	58.98	46.29	46.36	46.49	50.15	55.23
	S/T‡	1.00	0.93	0.74	0.71	0.52	1.00	0.95	0.75	0.72	0.53	1.00	0.97	0.77	0.74	0.54	1.00	0.99	0.79	0.76	0.55	1.00	1.00	0.81	0.79	0.56
	AMPS*	15.81	15.89	15.93	16.15	16.45	17.46	17.52	17.56	17.77	18.08	19.24	19.27	19.31	19.53	19.84	21.18	21.19	21.22	21.45	21.76	23.32	23.33	23.33	23.56	23.87
	HI PR	261	262	262	265	269	302	303	304	307	311	348	348	349	352	357	398	398	398	402	407	452	452	452	456	461
	LO PR	127	130	132	143	156	130	132	134	145	158	133	135	136	147	160	137	137	138	149	163	141	141	141	151	165
2000	MBh†	56.91	57.63	58.55	63.20	69.63	55.00	55.30	56.06	60.49	66.64	52.90	52.97	53.35	57.54	63.37	50.55	50.62	50.38	54.32	59.81	47.93	47.99	47.16	50.83	55.94
	S/T‡	1.00	0.97	0.77	0.74	0.54	1.00	0.99	0.78	0.76	0.55	1.00	1.00	0.80	0.78	0.56	1.00	1.00	0.83	0.80	0.57	1.00	1.00	0.86	0.83	0.58
	AMPS*	16.21	16.24	16.28	16.50	16.81	17.86	17.87	17.90	18.12	18.43	19.63	19.63	19.64	19.87	20.18	21.57	21.58	21.56	21.79	22.10	23.72	23.72	23.66	23.89	24.21
	HI PR	262	263	263	266	270	304	304	305	308	312	350	350	350	354	358	400	400	399	403	408	454	454	453	457	462
	LO PR	132	134	135	146	159	135	136	137	148	161	139	139	139	150	163	142	142	141	152	166	146	146	143	154	168

**Low Cool CCH660GKA100 Outdoor With FCM4X60\*\*\*\* Indoor Cooling**

CFM		Outdoor Ambient Temperature - Degrees F, Dry Bulb																								
		75					85					95					105					115				
		Entering Indoor Temperature - Degrees F, Wet Bulb																								
		57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72
1200	MBh†	40.01	41.26	42.12	45.74	50.79	36.38	37.15	37.91	41.16	45.73	32.77	33.14	33.76	36.67	40.74	29.22	29.28	29.70	32.27	35.87	25.76	25.80	25.78	28.02	31.17
	S/T‡	1.00	0.93	0.74	0.71	0.52	1.00	0.95	0.75	0.73	0.53	1.00	0.98	0.77	0.74	0.54	1.00	1.00	0.79	0.76	0.55	1.00	1.00	0.82	0.79	0.56
	AMPS*	10.57	10.55	10.54	10.48	10.43	12.12	12.09	12.08	11.99	11.89	13.84	13.83	13.81	13.68	13.53	15.81	15.81	15.79	15.62	15.43	18.10	18.09	18.11	17.89	17.64
	HI PR	248	248	249	251	254	288	288	289	292	295	332	332	333	335	339	381	381	381	384	387	433	433	433	436	440
	LO PR	130	134	136	146	160	133	136	138	148	162	137	138	140	150	164	141	141	142	153	166	145	145	144	155	169
1300	MBh†	41.17	41.93	42.75	46.40	51.50	37.40	37.77	38.44	41.72	46.32	33.66	33.72	34.19	37.13	41.23	29.99	30.04	30.07	32.65	36.28	26.40	26.44	26.07	28.33	31.48
	S/T‡	1.00	0.96	0.76	0.73	0.53	1.00	0.98	0.77	0.75	0.54	1.00	1.00	0.79	0.77	0.55	1.00	1.00	0.82	0.79	0.56	1.00	1.00	0.85	0.82	0.58
	AMPS*	10.62	10.61	10.60	10.55	10.49	12.16	12.15	12.14	12.05	11.95	13.88	13.88	13.86	13.73	13.59	15.83	15.83	15.84	15.67	15.48	18.11	18.10	18.15	17.94	17.69
	HI PR	248	249	249	252	255	289	289	289	292	295	333	333	333	336	339	381	381	381	384	388	434	434	434	437	440
	LO PR	134	136	138	148	162	137	138	140	150	164	140	140	142	152	166	144	144	144	154	168	148	148	146	157	171
1400	MBh†	42.21	42.78	43.28	46.97	52.11	38.32	38.39	38.89	42.20	46.83	34.47	34.52	34.58	37.52	41.65	30.68	30.73	30.38	32.98	36.62	26.98	27.02	26.32	28.58	31.74
	S/T‡	1.00	0.97	0.78	0.75	0.54	1.00	1.00	0.79	0.77	0.55	1.00	1.00	0.81	0.79	0.56	1.00	1.00	0.84	0.81	0.57	1.00	1.00	0.87	0.84	0.59
	AMPS*	10.68	10.71	10.66	10.61	10.56	12.21	12.20	12.20	12.11	12.01	13.92	13.91	13.92	13.79	13.65	15.86	15.86	15.89	15.73	15.54	18.13	18.12	18.20	17.99	17.75
	HI PR	249	250	250	252	255	290	290	290	292	295	334	334	334	336	340	382	382	382	384	388	435	435	434	437	441
	LO PR	137	138	140	150	164	140	140	141	152	166	143	144	143	154	168	147	147	145	156	170	151	151	148	158	172
1600	MBh†	44.02	44.09	44.15	47.87	53.07	39.92	39.98	39.64	42.96	47.65	35.85	35.91	35.19	38.17	42.31	31.87	31.91	30.88	33.50	37.14	27.98	28.02	26.74	29.00	32.15
	S/T‡	1.00	1.00	0.82	0.79	0.56	1.00	1.00	0.83	0.81	0.57	1.00	1.00	0.86	0.83	0.59	1.00	1.00	0.89	0.86	0.60	1.00	1.00	0.92	0.90	0.62
	AMPS*	10.79	10.79	10.80	10.75	10.69	12.31	12.31	12.32	12.24	12.14	14.00	14.00	14.04	13.91	13.78	15.93	15.93	16.00	15.84	15.66	18.18	18.18	18.31	18.10	17.86
	HI PR	250	250	250	253	256	291	291	291	293	296	335	335	334	337	340	383	384	382	385	389	436	436	435	438	441
	LO PR	143	143	142	153	167	145	146	144	155	169	149	149	146	157	170	152	153	148	159	173	156	156	150	161	175

† Total capacities are net (I.D blower heat subtracted) system capacities based on 25' line set.  
If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.  
\* System amps are total of indoor and outdoor amps  
‡ S/T are based on 80 F db entering air at the indoor coil. For sensible capacities at other than 80 F db, deduct 835 Btuh per 1000 cfm of indoor coil air from MBhxS/T for each degree below 80 F, or add 835 Btuh per 1000 cfm of indoor coil air from MBhxS/T for each degree above 80 F  
†† At TVA rating indoor condition (75 F db/ 63 F wb). All other indoor air temperatures are at 80 F db

**EXPANDED HEATING PERFORMANCE RATINGS For GKA100 Outdoor / Indoor Models**

For complete ratings information, use the AHRI website directory search: [www.AHRIdirectory.org](http://www.AHRIdirectory.org).  
New ratings may be listed online before Specification Sheets are updated.

**High Heat CCH624GKA100 Size Outdoor With FVM4X24\*\*\*\* Indoor Heating**

		Outdoor Ambient Temperature - Degrees F, Dry Bulb																							
		-3			7			17			27			37			47			57			67		
		Entering Indoor Temperature - Degrees F, Dry Bulb																							
CFM		65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75
600	MBh†	10.00	9.56	9.07	12.95	12.45	11.93	16.20	15.85	15.44	19.22	18.81	18.41	22.54	22.07	21.61	26.19	25.66	25.15	30.23	29.65	29.07	34.57	33.94	33.31
	T/R	13.50	12.90	12.20	17.80	17.10	16.30	22.70	22.10	21.50	27.40	26.80	26.10	32.70	32.00	31.30	38.80	37.90	37.10	45.70	44.70	43.70	53.30	52.20	51.10
	AMPS*	5.45	5.75	6.04	6.24	6.55	6.88	7.11	7.48	7.85	8.03	8.43	8.84	9.08	9.51	9.96	10.33	10.79	11.28	11.79	12.31	12.84	13.59	14.16	14.75
	HI PR	232	248	265	249	266	283	269	288	306	290	309	328	315	334	353	345	364	383	380	399	418	422	442	462
	LO PR	40	40	40	51	52	52	65	65	65	80	80	81	97	98	98	116	117	117	138	138	139	161	162	162
650	MBh†	10.11	9.67	9.18	13.14	12.59	12.08	16.34	15.99	15.59	19.40	18.99	18.57	22.77	22.30	21.83	26.49	25.95	25.43	30.59	30.00	29.42	35.01	34.37	33.73
	T/R	12.60	12.00	11.40	16.70	15.90	15.30	21.10	20.60	20.10	25.50	24.90	24.30	30.50	29.80	29.10	36.20	35.40	34.60	42.70	41.70	40.80	49.80	48.80	47.80
	AMPS*	5.43	5.72	6.02	6.19	6.51	6.83	7.02	7.39	7.77	7.91	8.31	8.72	8.93	9.35	9.80	10.13	10.59	11.08	11.54	12.05	12.58	13.28	13.83	14.42
	HI PR	229	245	262	245	261	279	264	282	300	284	302	321	307	325	345	335	354	373	369	388	407	409	429	449
	LO PR	40	40	40	51	52	52	65	65	65	80	80	81	97	98	98	116	117	117	137	138	138	160	161	162
700	MBh†	10.19	9.76	9.28	13.54	12.72	12.21	16.47	16.10	15.72	19.55	19.14	18.72	22.97	22.49	22.02	26.75	26.20	25.66	30.91	30.31	29.72	35.38	34.74	34.08
	T/R	11.80	11.30	10.70	16.00	15.00	14.30	19.80	19.30	18.80	23.90	23.40	22.80	28.60	28.00	27.30	34.00	33.20	32.40	40.00	39.20	38.30	46.70	45.80	44.80
	AMPS*	5.41	5.71	6.00	6.18	6.47	6.80	6.95	7.32	7.71	7.81	8.22	8.63	8.80	9.23	9.68	9.96	10.43	10.91	11.35	11.84	12.36	13.02	13.57	14.14
	HI PR	227	243	259	243	258	275	259	277	296	278	296	315	300	318	337	327	346	365	359	378	398	399	418	438
	LO PR	40	40	40	51	52	52	65	65	65	80	80	80	97	97	98	116	117	117	137	138	138	160	161	161
800	MBh†	10.35	9.93	9.45	13.76	12.94	12.43	16.66	16.31	15.95	19.82	19.41	18.98	23.31	22.83	22.35	27.17	26.62	26.07	31.43	30.81	30.21	35.96	35.30	34.65
	T/R	10.50	10.00	9.50	14.20	13.30	12.80	17.50	17.10	16.70	21.20	20.70	20.20	25.40	24.80	24.20	30.20	29.50	28.80	35.60	34.80	34.10	41.60	40.70	39.90
	AMPS*	5.39	5.69	5.99	6.13	6.42	6.75	6.85	7.23	7.61	7.67	8.08	8.49	8.61	9.04	9.48	9.71	10.18	10.66	11.05	11.53	12.04	12.68	13.21	13.77
	HI PR	222	239	255	237	252	269	251	269	287	268	286	305	289	307	326	314	333	352	345	363	383	383	402	422
	LO PR	40	40	40	51	51	52	65	65	65	80	80	80	97	97	98	116	116	117	137	137	138	160	160	161

**Low Heat CH624GKA100 Size Outdoor With FVM4X24\*\*\*\* Indoor Heating**

		Outdoor Ambient Temperature - Degrees F, Dry Bulb																							
		-3			7			17			27			37			47			57			67		
		Entering Indoor Temperature - Degrees F, Dry Bulb																							
CFM		65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75
480	MBh†	6.80	7.33	5.75	7.43	6.78	6.16	10.48	9.93	9.33	13.30	12.74	12.16	16.03	15.62	15.04	17.81	17.40	17.01	19.25	18.85	18.45	20.27	22.18	19.48
	T/R	8.70	9.30	7.30	10.20	9.30	8.40	15.50	14.70	13.70	21.40	20.50	19.50	28.30	27.50	26.40	34.80	33.90	33.10	42.10	41.10	40.10	50.30	54.90	48.10
	AMPS*	4.99	5.48	5.72	4.99	5.33	5.69	5.25	5.61	5.97	5.50	5.85	6.22	5.78	6.15	6.50	5.96	6.32	6.69	6.15	6.50	6.87	6.36	8.27	7.07
	HI PR	214	234	245	219	234	249	239	255	271	263	279	296	292	310	327	321	339	358	355	374	393	395	493	434
	LO PR	42	42	42	55	55	55	68	69	69	84	84	85	102	102	102	122	122	122	144	144	145	168	167	169
520	MBh†	6.88	6.25	5.80	7.53	6.93	6.26	10.63	10.07	9.47	13.50	12.93	12.32	16.22	15.81	15.36	18.02	17.61	17.22	19.50	19.09	18.68	20.57	20.16	19.75
	T/R	8.10	7.30	6.80	9.50	8.70	7.90	14.50	13.70	12.90	20.10	19.20	18.20	26.40	25.70	24.90	32.50	31.70	30.90	39.30	38.40	37.50	47.10	46.10	45.00
	AMPS*	4.98	5.33	5.71	4.97	5.32	5.68	5.20	5.56	5.93	5.42	5.77	6.13	5.66	6.03	6.40	5.81	6.17	6.54	5.97	6.32	6.69	6.16	6.49	6.85
	HI PR	212	227	243	217	232	247	236	251	267	258	274	291	285	303	321	312	330	349	344	363	382	383	402	421
	LO PR	42	42	42	55	55	55	68	69	69	84	84	85	102	102	102	121	122	122	143	144	144	168	168	169
560	MBh†	7.72	6.32	5.88	7.64	7.03	6.36	10.74	10.20	9.62	13.63	13.10	12.49	17.73	15.97	15.53	18.22	17.80	17.39	19.73	19.31	18.89	20.83	20.41	19.99
	T/R	8.40	6.90	6.40	9.00	8.20	7.40	13.60	12.90	12.20	18.80	18.00	17.20	26.80	24.10	23.40	30.50	29.70	29.00	37.00	36.10	35.20	44.30	43.30	42.30
	AMPS*	5.06	5.34	5.72	4.96	5.32	5.68	5.17	5.53	5.90	5.36	5.71	6.08	5.88	5.93	6.31	5.69	6.05	6.42	5.83	6.17	6.54	5.99	6.32	6.67
	HI PR	214	225	242	215	230	245	233	248	265	253	270	286	294	297	315	304	323	341	335	354	373	372	391	410
	LO PR	42	42	42	55	55	55	68	69	69	84	84	85	101	102	102	121	122	122	143	144	144	167	168	168
640	MBh†	6.86	6.46	6.10	7.81	7.21	6.70	11.00	10.44	10.09	14.02	13.40	13.13	16.66	16.26	16.16	18.55	18.13	18.10	20.13	19.69	19.74	21.28	20.84	20.41
	T/R	6.60	6.20	4.60	8.00	7.40	5.50	12.20	11.60	8.90	16.90	16.20	12.60	22.10	21.50	17.00	27.20	26.50	21.10	33.00	32.20	25.80	39.60	38.70	37.80
	AMPS*	4.99	5.37	5.68	4.97	5.34	5.62	5.14	5.50	5.73	5.29	5.64	5.79	5.43	5.79	5.88	5.53	5.87	5.90	5.63	5.96	5.92	5.75	6.07	6.41
	HI PR	207	223	236	212	227	239	228	244	253	246	263	270	268	286	290	292	310	311	320	339	337	354	373	392
	LO PR	42	42	42	55	55	55	68	69	69	84	84	84	101	102	102	121	121	121	143	143	143	167	167	168

† Total capacities are net (I.D blower heat added) system capacities based on 25' line set.  
If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.  
\* System amps are total of indoor and outdoor amps  
T/R - Temp Rise is based on 25' line set.  
If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in Temp Rise may occur.

**EXPANDED HEATING PERFORMANCE RATINGS For GKA100 Outdoor / Indoor Models**

For complete ratings information, use the AHRI website directory search: [www.AHRIdirectory.org](http://www.AHRIdirectory.org).  
New ratings may be listed online before Specification Sheets are updated.

**High Heat CCH636GKA100 Size Outdoor With FVM4X60\*\*\*\* Indoor Heating**

CFM		Outdoor Ambient Temperature - Degrees F, Dry Bulb																										
		-3			7			17			27			37			47			57			67					
		Entering Indoor Temperature - Degrees F, Dry Bulb																										
		65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75
900	MBh†	13.45	12.69	11.89	17.97	17.24	16.44	22.59	21.86	21.06	27.67	27.15	26.56	31.93	31.33	30.73	36.40	35.74	35.08	41.08	40.35	39.63	45.98	45.15	44.37			
	T/R	11.40	10.80	10.10	15.80	15.10	14.40	20.60	19.90	19.10	26.20	25.70	25.10	31.50	30.80	30.20	37.40	36.60	35.90	44.00	43.20	42.30	51.50	50.50	49.50			
	AMPS*	8.24	8.66	9.08	8.77	9.20	9.64	9.32	9.77	10.23	9.97	10.46	10.96	10.58	11.09	11.61	11.31	11.83	12.37	12.18	12.71	13.28	13.24	13.80	14.38			
	HI PR	222	237	252	237	252	268	254	270	287	276	293	312	298	316	334	324	343	362	355	375	394	394	413	433			
	LO PR	39	39	39	50	50	50	62	63	63	77	77	77	93	93	94	111	111	112	131	131	132	153	153	154			
975	MBh†	13.60	12.85	12.04	18.16	17.43	16.63	22.86	22.09	21.30	27.89	27.38	26.80	32.21	31.61	31.02	36.77	36.09	35.42	41.53	40.79	40.05	46.50	45.65	44.87			
	T/R	10.70	10.10	9.40	14.80	14.10	13.50	19.30	18.60	17.90	24.40	23.90	23.40	29.30	28.70	28.10	34.90	34.20	33.40	41.10	40.30	39.50	48.10	47.10	46.20			
	AMPS*	8.21	8.64	9.06	8.72	9.16	9.60	9.24	9.69	10.15	9.84	10.34	10.84	10.42	10.92	11.45	11.10	11.62	12.16	11.93	12.46	13.01	12.93	13.48	14.06			
	HI PR	219	234	250	233	249	265	250	266	283	270	287	306	290	308	327	315	333	353	345	364	384	381	400	420			
	LO PR	39	39	39	50	50	50	62	63	63	77	77	77	93	93	94	111	111	112	130	131	132	152	153	153			
1050	MBh†	13.73	12.98	12.17	18.33	17.59	16.80	23.08	22.30	21.51	28.09	27.55	27.01	32.46	31.86	31.24	37.09	36.40	35.72	41.93	41.17	40.42	47.02	46.13	45.30			
	T/R	10.00	9.40	8.80	13.80	13.20	12.60	18.10	17.40	16.80	22.80	22.40	21.90	27.40	26.90	26.30	32.70	32.00	31.30	38.50	37.80	37.00	45.20	44.20	43.30			
	AMPS*	8.20	8.63	9.06	8.68	9.12	9.57	9.17	9.63	10.09	9.73	10.23	10.74	10.28	10.79	11.31	10.93	11.45	11.98	11.71	12.24	12.79	12.68	13.21	13.79			
	HI PR	217	233	248	231	246	263	246	262	279	265	282	300	284	302	321	307	326	345	336	355	374	371	390	410			
	LO PR	39	39	39	50	50	50	62	63	63	77	77	77	93	93	93	111	111	112	130	131	131	152	152	153			
1200	MBh†	13.96	13.22	12.40	18.58	17.88	17.09	23.44	22.67	21.86	28.43	27.89	27.34	32.90	32.27	31.65	37.64	36.92	36.22	42.58	41.80	41.03	47.84	46.93	46.10			
	T/R	8.90	8.40	7.90	12.30	11.80	11.20	16.10	15.50	14.90	20.20	19.80	19.40	24.30	23.80	23.30	29.00	28.40	27.80	34.20	33.50	32.80	40.20	39.40	38.60			
	AMPS*	8.19	8.63	9.07	8.62	9.08	9.54	9.07	9.54	10.01	9.57	10.08	10.59	10.08	10.58	11.10	10.67	11.18	11.72	11.40	11.92	12.47	12.32	12.85	13.41			
	HI PR	214	229	245	226	242	258	240	256	273	256	274	292	274	291	310	295	313	332	322	340	359	354	373	393			
	LO PR	39	39	39	50	50	50	62	63	63	76	77	77	92	93	93	110	111	111	130	130	131	152	152	153			

**Low Heat CCH636GKA100 Size Outdoor With FVM4X60\*\*\*\* Indoor Heating**

CFM		Outdoor Ambient Temperature - Degrees F, Dry Bulb																										
		-3			7			17			27			37			47			57			67					
		Entering Indoor Temperature - Degrees F, Dry Bulb																										
		65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75
720	MBh†	7.66	7.24	7.17	9.98	9.13	8.21	13.89	13.06	12.17	17.59	16.77	15.92	20.99	20.18	19.35	24.47	23.86	22.69	26.60	25.98	25.39	28.35	27.71	27.08			
	T/R	7.00	6.60	6.50	9.70	8.80	7.90	14.40	13.50	12.50	19.50	18.60	17.60	25.10	24.00	23.00	31.70	30.80	29.20	37.60	36.60	35.70	44.10	43.00	41.90			
	AMPS*	6.83	7.24	7.40	6.84	7.21	7.58	6.98	7.34	7.71	7.13	7.49	7.86	7.29	7.65	8.01	7.55	7.93	8.24	7.73	8.10	8.50	7.97	8.33	8.72			
	HI PR	207	222	240	216	230	244	232	246	261	250	265	281	271	287	303	298	315	330	324	342	360	354	372	391			
	LO PR	42	42	42	54	54	54	67	68	68	83	83	83	100	100	101	119	119	120	140	141	141	164	165	165			
780	MBh†	7.39	7.33	7.26	10.11	9.25	8.33	14.08	13.24	12.35	17.83	17.01	16.15	21.30	20.47	19.63	24.74	24.15	23.22	26.94	26.32	25.68	28.76	28.10	27.46			
	T/R	6.20	6.20	6.10	9.10	8.30	7.40	13.40	12.60	11.70	18.20	17.40	16.40	23.50	22.50	21.50	29.60	28.80	27.60	35.10	34.20	33.30	41.30	40.20	39.20			
	AMPS*	6.78	7.24	7.69	6.81	7.19	7.57	6.93	7.30	7.67	7.05	7.42	7.79	7.20	7.55	7.92	7.41	7.79	8.14	7.57	7.94	8.32	7.78	8.14	8.52			
	HI PR	205	221	238	214	228	243	229	244	259	246	261	277	266	282	298	290	308	324	315	333	351	343	361	380			
	LO PR	42	42	42	54	54	54	67	68	68	82	83	83	100	100	100	119	119	120	140	141	141	164	164	165			
840	MBh†	7.47	7.41	7.34	10.24	9.37	8.44	14.27	13.40	12.50	18.03	17.21	16.35	21.53	20.73	19.88	24.99	24.40	23.74	27.25	26.61	25.96	29.13	28.45	27.79			
	T/R	5.80	5.80	5.70	8.50	7.80	7.00	12.70	11.90	11.00	17.10	16.30	15.50	22.00	21.20	20.30	27.70	27.00	26.20	33.00	32.10	31.30	38.80	37.80	36.90			
	AMPS*	6.78	7.23	7.68	6.79	7.17	7.56	6.89	7.26	7.64	6.99	7.36	7.74	7.11	7.47	7.84	7.29	7.67	8.06	7.43	7.80	8.18	7.62	7.97	8.35			
	HI PR	203	220	237	212	227	242	226	241	256	242	258	274	261	277	293	284	301	319	307	325	343	334	352	371			
	LO PR	42	42	42	54	54	54	67	67	68	82	83	83	99	100	100	118	119	119	140	140	141	163	164	165			
960	MBh†	7.62	7.56	7.50	10.44	9.57	8.63	14.55	13.67	12.77	18.38	17.56	16.69	22.04	21.17	20.31	25.41	24.79	24.17	27.77	27.10	26.45	29.76	29.05	28.35			
	T/R	5.20	5.20	5.10	7.60	6.90	6.20	11.30	10.60	9.90	15.30	14.60	13.80	19.70	18.90	18.10	24.70	24.00	23.40	29.40	28.70	27.90	34.70	33.80	32.90			
	AMPS*	6.77	7.23	7.69	6.76	7.15	7.55	6.83	7.21	7.60	6.90	7.27	7.65	6.99	7.34	7.72	7.11	7.49	7.88	7.22	7.58	7.96	7.38	7.72	8.09			
	HI PR	202	218	235	209	224	239	222	237	253	236	252	268	253	269	286	273	291	309	294	312	330	318	336	355			
	LO PR	42	42	42	54	54	54	67	67	68	82	83	83	99	100	100	118	119	119	139	140	140	163	163	164			

† Total capacities are net (I.D blower heat added) system capacities based on 25' line set.  
If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.  
\* System amps are total of indoor and outdoor amps  
T/R - Temp Rise is based on 25' line set.  
If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in Temp Rise may occur.

**EXPANDED HEATING PERFORMANCE RATINGS For GKA100 Outdoor / Indoor Models**

For complete ratings information, use the AHRI website directory search: [www.AHRIdirectory.org](http://www.AHRIdirectory.org).  
New ratings may be listed online before Specification Sheets are updated.

**High Heat CCH648GKA100 Size Outdoor With FVM4X48\*\*\*\* Indoor Heating**

CFM		Outdoor Ambient Temperature - Degrees F, Dry Bulb																							
		-3			7			17			27			37			47			57			67		
		Entering Indoor Temperature - Degrees F, Dry Bulb																							
	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	
1200	MBH†	17.52	16.82	16.06	22.89	22.19	21.44	29.42	28.14	27.23	34.93	34.38	33.81	41.05	40.37	39.70	47.79	47.00	46.22	55.26	54.37	53.48	64.14	63.00	61.83
	T/R	12.60	12.00	11.50	16.60	16.10	15.50	21.70	20.70	20.00	26.10	25.60	25.10	31.00	30.50	29.90	36.60	35.90	35.30	42.90	42.20	41.40	50.50	49.50	48.50
	AMPS*	10.78	11.24	11.70	11.75	12.24	12.74	12.87	13.32	13.84	13.95	14.53	15.13	15.17	15.78	16.41	16.58	17.22	17.90	18.27	18.94	19.63	20.19	20.96	21.76
	LO PR	225	241	257	241	257	274	261	276	293	281	300	319	306	324	344	335	354	374	369	389	409	409	431	452
1300	MBH†	17.68	17.01	16.24	23.11	22.41	21.66	29.65	29.06	27.52	35.19	34.65	34.09	41.38	40.70	40.01	48.23	47.42	46.62	55.84	54.94	53.99	64.85	63.75	62.60
	T/R	11.70	11.20	10.70	15.50	15.00	14.50	20.20	19.70	18.60	24.20	23.80	23.40	28.90	28.40	27.80	34.10	33.50	32.80	40.00	39.30	38.50	47.20	46.30	45.30
	AMPS*	10.80	11.27	11.74	11.74	12.24	12.74	12.82	13.35	13.81	13.86	14.44	15.04	15.05	15.65	16.28	16.42	17.04	17.71	18.06	18.72	19.40	19.81	20.56	21.33
	LO PR	223	239	255	238	254	271	257	274	289	275	294	313	298	317	336	326	345	365	360	379	399	396	416	438
1400	MBH†	17.84	17.17	16.41	23.30	22.61	21.86	29.84	29.30	27.77	35.42	34.88	34.31	41.67	41.00	40.31	48.61	47.80	46.99	56.32	55.35	54.43	65.33	64.30	63.22
	T/R	11.00	10.50	10.10	14.50	14.10	13.60	18.80	18.50	17.40	22.70	22.30	21.80	27.00	26.50	26.00	31.90	31.30	30.70	37.50	36.80	36.10	44.10	43.30	42.50
	AMPS*	10.83	11.30	11.78	11.75	12.25	12.75	12.79	13.33	13.79	13.79	14.38	14.98	14.95	15.56	16.18	16.29	16.91	17.57	17.90	18.55	19.23	19.54	20.26	21.01
	LO PR	221	237	253	235	251	268	253	270	285	270	289	308	292	311	330	319	338	358	352	371	391	385	405	426
1600	MBH†	18.17	17.48	16.72	23.65	22.97	22.22	30.16	29.66	28.25	35.82	35.27	34.70	42.17	41.51	40.81	49.23	48.44	47.62	57.10	56.12	55.16	65.82	64.90	63.94
	T/R	9.80	9.40	9.00	12.90	12.50	12.10	16.70	16.30	15.50	20.00	19.70	19.30	23.90	23.50	23.00	28.30	27.80	27.30	33.30	32.60	32.00	38.90	38.30	37.60
	AMPS*	10.92	11.39	11.87	11.79	12.30	12.81	12.77	13.32	13.80	13.73	14.32	14.92	14.83	15.45	16.07	16.14	16.76	17.41	17.68	18.34	19.00	19.21	19.91	20.63
	LO PR	218	234	250	230	246	263	246	264	279	262	280	299	283	301	320	308	326	346	339	358	378	370	389	409

**Low Heat CCH648GKA100 Size Outdoor With FVM4X48\*\*\*\* Indoor Heating**

CFM		Outdoor Ambient Temperature - Degrees F, Dry Bulb																							
		-3			7			17			27			37			47			57			67		
		Entering Indoor Temperature - Degrees F, Dry Bulb																							
	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	
960	MBH†	10.73	11.50	10.67	15.74	14.89	14.00	20.58	19.79	18.91	25.18	24.41	23.60	30.30	29.14	28.06	33.65	33.08	32.51	36.72	36.08	35.44	39.46	38.77	38.08
	T/R	7.50	8.00	7.40	11.60	11.00	10.30	16.10	15.50	14.80	21.10	20.40	19.70	27.20	26.10	25.00	32.50	31.90	31.20	38.40	37.70	36.90	45.10	44.20	43.30
	AMPS*	9.05	9.71	10.24	9.37	9.89	10.42	9.71	10.23	10.77	10.07	10.61	11.16	10.61	11.08	11.60	11.02	11.61	12.22	11.55	12.13	12.73	12.20	12.78	13.40
	LO PR	207	225	240	221	236	251	238	253	269	257	273	290	283	298	314	307	326	345	337	356	376	371	391	411
1040	MBH†	10.86	11.63	11.60	15.90	15.06	14.16	20.78	19.96	19.11	25.43	24.66	23.85	30.54	29.70	28.39	33.94	33.35	32.78	37.09	36.43	35.78	39.91	39.20	38.50
	T/R	7.00	7.50	7.40	10.80	10.20	9.60	15.00	14.40	13.80	19.60	19.00	18.30	25.30	24.50	23.40	30.20	29.70	29.10	35.80	35.10	34.40	42.10	41.20	40.40
	AMPS*	9.05	9.72	10.32	9.35	9.87	10.41	9.66	10.18	10.72	9.98	10.52	11.08	10.47	10.99	11.47	10.84	11.42	12.03	11.32	11.90	12.50	11.93	12.50	13.11
	LO PR	206	224	241	219	234	249	235	250	266	253	269	286	277	293	309	300	318	338	327	346	366	360	380	400
1120	MBH†	10.97	11.75	10.92	16.06	15.21	14.32	20.94	20.15	19.30	25.63	24.86	24.05	30.75	30.19	28.75	34.19	33.60	33.03	37.41	36.74	36.08	40.30	39.58	38.87
	T/R	6.60	7.00	6.50	10.20	9.60	9.00	14.10	13.50	12.90	18.40	17.80	17.20	23.60	23.10	22.00	28.30	27.80	27.20	33.60	32.90	32.20	39.50	38.70	37.90
	AMPS*	9.07	9.73	10.27	9.34	9.87	10.41	9.61	10.15	10.69	9.91	10.45	11.01	10.35	10.92	11.38	10.70	11.26	11.87	11.14	11.71	12.30	11.70	12.27	12.87
	LO PR	204	223	238	217	232	248	232	248	264	249	265	282	271	289	304	293	312	331	319	338	358	351	370	390
1280	MBH†	11.19	11.96	11.12	16.32	15.49	14.57	21.28	20.50	19.62	26.04	25.27	24.46	31.08	30.55	29.46	34.62	34.03	33.43	37.95	37.27	36.60	40.95	40.21	39.48
	T/R	5.80	6.20	5.80	9.00	8.50	8.00	12.50	12.00	11.50	16.30	15.80	15.30	20.90	20.50	19.70	25.10	24.60	24.10	29.80	29.20	28.60	35.10	34.40	33.70
	AMPS*	9.11	9.77	10.31	9.34	9.88	10.42	9.57	10.11	10.66	9.81	10.36	10.92	10.19	10.75	11.25	10.48	11.04	11.63	10.87	11.43	12.02	11.38	11.93	12.52
	LO PR	203	221	236	214	229	245	227	243	260	243	259	276	263	280	296	282	301	320	306	325	345	335	355	375

† Total capacities are net (I.D blower heat added) system capacities based on 25' line set.  
If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.  
\* System amps are total of indoor and outdoor amps  
T/R - Temp Rise is based on 25' line set.  
If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in Temp Rise may occur.

EXPANDED HEATING PERFORMANCE RATINGS For GKA100 Outdoor / Indoor Models

For complete ratings information, use the AHRI website directory search: [www.AHRIdirectory.org](http://www.AHRIdirectory.org).  
New ratings may be listed online before Specification Sheets are updated.

High Heat CCH660GKA100 Size Outdoor With FCM4X60\*\*\*\* Indoor Heating

		Outdoor Ambient Temperature - Degrees F, Dry Bulb																							
		-3			7			17			27			37			47			57			67		
		Entering Indoor Temperature - Degrees F, Dry Bulb																							
CFM		65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75
1500	MBh†	22.04	21.29	20.48	28.22	27.49	26.70	35.84	35.31	33.53	42.38	41.81	41.27	49.77	49.07	48.39	57.96	57.15	56.34	67.43	66.47	65.47	77.16	76.15	75.13
	T/R	13.00	12.60	12.10	16.90	16.40	15.90	21.60	21.30	20.10	25.80	25.40	25.00	30.60	30.20	29.70	36.10	35.50	34.90	42.40	41.70	41.00	49.00	48.30	47.50
	AMPS*	13.76	14.46	15.16	14.65	15.38	16.12	15.71	16.49	17.12	16.64	17.45	18.29	17.72	18.54	19.40	18.96	19.81	20.68	20.15	21.03	21.95	21.70	22.60	23.53
	HI PR	226	242	259	241	257	274	260	278	293	279	297	316	301	320	339	328	347	367	354	374	395	389	409	430
	LO PR	36	36	36	47	47	47	59	59	59	72	73	73	88	88	88	104	105	105	123	124	124	143	143	144
1625	MBh†	22.22	21.52	20.71	28.45	27.74	26.96	36.06	35.56	33.86	42.66	42.10	41.53	50.13	49.45	48.75	58.42	57.61	56.79	67.85	66.94	66.01	77.42	76.45	75.46
	T/R	12.10	11.70	11.30	15.70	15.30	14.80	20.10	19.80	18.80	24.00	23.60	23.30	28.50	28.00	27.60	33.50	33.00	32.50	39.40	38.80	38.10	45.40	44.70	44.00
	AMPS*	13.79	14.50	15.21	14.64	15.38	16.13	15.65	16.43	17.08	16.54	17.34	18.18	17.57	18.38	19.25	18.75	19.60	20.47	19.85	20.71	21.62	21.31	22.21	23.14
	HI PR	224	240	256	237	254	271	255	273	288	273	291	310	294	313	332	320	339	358	344	364	384	377	398	418
	LO PR	36	36	36	47	47	47	59	59	59	72	72	73	87	88	88	104	105	105	123	123	124	142	142	143
1750	MBh†	22.42	21.73	20.93	28.68	27.99	27.20	36.26	35.80	34.20	42.93	42.37	41.79	50.46	49.78	49.08	58.83	58.00	57.18	68.17	67.31	66.39	77.49	76.60	75.63
	T/R	11.40	11.00	10.60	14.70	14.30	13.90	18.80	18.50	17.60	22.40	22.10	21.70	26.60	26.20	25.80	31.40	30.90	30.40	36.70	36.20	35.60	42.20	41.60	41.00
	AMPS*	13.85	14.56	15.28	14.66	15.40	16.15	15.61	16.40	17.07	16.47	17.28	18.11	17.45	18.28	19.13	18.59	19.44	20.31	19.63	20.49	21.37	21.01	21.90	22.82
	HI PR	222	238	254	234	251	268	251	269	285	268	286	305	288	307	326	313	332	351	336	355	375	367	387	408
	LO PR	36	36	36	47	47	47	59	59	59	72	72	73	87	88	88	104	104	105	122	123	123	140	141	142
2000	MBh†	22.79	22.12	21.31	29.10	28.42	27.64	36.65	36.21	35.60	43.40	42.85	42.29	51.03	50.35	49.64	59.60	58.76	57.88	68.54	67.72	66.90	76.31	76.40	75.58
	T/R	10.10	9.80	9.40	13.00	12.70	12.30	16.60	16.40	16.00	19.80	19.50	19.20	23.60	23.20	22.80	27.80	27.40	26.90	32.30	31.90	31.40	36.40	36.30	35.80
	AMPS*	13.99	14.71	15.44	14.74	15.49	16.25	15.61	16.42	17.21	16.41	17.24	18.06	17.34	18.17	19.01	18.27	19.17	20.12	19.35	20.20	21.08	20.43	21.45	22.37
	HI PR	218	234	251	230	246	264	245	263	281	260	278	297	279	297	316	299	319	340	323	342	362	348	371	391
	LO PR	36	36	36	46	47	47	58	59	59	72	72	73	87	88	88	104	104	105	121	122	122	136	139	140

Low Heat CCH660GKA100 Size Outdoor With FCM4X60\*\*\*\* Indoor Heating

		Outdoor Ambient Temperature - Degrees F, Dry Bulb																							
		-3			7			17			27			37			47			57			67		
		Entering Indoor Temperature - Degrees F, Dry Bulb																							
CFM		65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75
1200	MBh†	14.07	13.21	12.25	19.50	18.64	17.71	24.89	24.06	23.16	30.27	29.44	28.56	36.55	35.06	33.97	41.02	40.41	39.79	45.47	44.75	44.03	49.91	49.16	48.34
	T/R	8.50	7.90	7.30	12.30	11.70	11.10	16.40	15.80	15.20	21.00	20.30	19.70	26.70	25.50	24.70	31.60	31.10	30.50	37.10	36.50	35.80	43.30	42.60	41.80
	AMPS*	11.34	12.00	12.66	11.65	12.31	12.97	11.95	12.62	13.30	12.29	12.95	13.64	12.81	13.37	14.04	13.19	13.90	14.64	13.65	14.35	15.09	14.07	14.79	15.55
	HI PR	209	223	238	222	237	252	237	253	269	255	271	288	278	293	310	300	319	338	327	346	366	353	373	394
	LO PR	40	40	41	52	52	52	65	65	65	79	80	80	96	96	97	114	114	115	134	135	135	156	157	158
1300	MBh†	14.19	13.32	12.36	19.64	18.83	17.90	25.08	24.30	23.41	30.51	29.71	28.84	36.82	36.20	34.34	41.33	40.71	40.09	45.86	45.14	44.41	50.37	49.63	48.86
	T/R	7.90	7.40	6.80	11.40	10.90	10.30	15.30	14.70	14.20	19.50	18.90	18.30	24.80	24.30	23.00	29.40	28.90	28.40	34.60	33.90	33.30	40.40	39.70	39.00
	AMPS*	11.35	12.02	12.69	11.63	12.30	12.97	11.89	12.57	13.26	12.19	12.86	13.55	12.66	13.36	13.90	12.99	13.69	14.43	13.41	14.10	14.83	13.77	14.47	15.20
	HI PR	207	222	237	220	235	250	234	250	266	250	267	284	272	290	305	293	312	331	318	337	356	342	362	383
	LO PR	40	40	41	52	52	52	65	65	65	79	80	80	95	96	96	114	114	115	134	135	135	156	157	157
1400	MBh†	14.32	13.46	12.50	19.81	19.01	18.07	25.28	24.50	23.62	30.75	29.96	29.08	37.04	36.45	34.65	41.61	41.00	40.37	46.22	45.49	44.75	50.74	49.98	49.23
	T/R	7.40	6.90	6.40	10.70	10.20	9.70	14.30	13.80	13.30	18.20	17.70	17.20	23.20	22.70	21.60	27.50	27.00	26.50	32.30	31.80	31.20	37.80	37.10	36.50
	AMPS*	11.38	12.05	12.73	11.62	12.30	12.97	11.85	12.53	13.23	12.11	12.79	13.48	12.54	13.23	13.79	12.83	13.53	14.27	13.21	13.90	14.62	13.53	14.21	14.92
	HI PR	206	221	236	218	233	249	231	247	263	246	263	280	267	285	300	287	305	324	310	329	349	333	353	373
	LO PR	40	40	41	52	52	52	65	65	65	79	80	80	95	96	96	114	114	114	134	134	135	155	156	157
1600	MBh†	14.58	13.72	12.75	20.09	19.31	18.38	25.63	24.86	23.98	31.18	30.38	29.52	37.41	36.86	35.36	42.08	41.45	40.82	46.85	46.06	45.32	51.28	50.53	49.80
	T/R	6.60	6.20	5.70	9.50	9.10	8.60	12.70	12.30	11.80	16.20	15.70	15.30	20.50	20.10	19.20	24.30	23.90	23.50	28.70	28.10	27.60	33.40	32.80	32.30
	AMPS*	11.44	12.13	12.81	11.64	12.32	13.01	11.81	12.50	13.20	12.02	12.70	13.39	12.37	13.06	13.65	12.60	13.30	14.02	12.88	13.60	14.31	13.18	13.85	14.55
	HI PR	204	219	234	214	230	246	226	243	259	240	257	274	259	277	292	276	295	314	297	316	336	318	338	358
	LO PR	40	40	41	52	52	52	65	65	65	79	79	80	95	95	96	113	114	114	134	134	135	154	155	156

† Total capacities are net (I.D blower heat added) system capacities based on 25' line set.  
If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.  
\* System amps are total of indoor and outdoor amps  
T/R - Temp Rise is based on 25' line set.  
If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in Temp Rise may occur.

**EXPANDED COOLING PERFORMANCE RATINGS For GKA300 Outdoor / Indoor Models**

For complete ratings information, use the AHRI website directory search: [www.AHRIdirectory.org](http://www.AHRIdirectory.org).  
New ratings may be listed online before Specification Sheets are updated.

**High Cool, CCH624GKA300 Outdoor With FVM4X24\*\*\*\* Indoor Cooling**

CFM		Outdoor Ambient Temperature - Degrees F, Dry Bulb																								
		75					85					95					105					115				
		Entering Indoor Temperature - Degrees F, Wet Bulb																								
		57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72
600	MBh†	22.47	24.04	24.52	26.60	29.45	21.26	22.54	22.99	24.94	27.62	20.00	20.99	21.40	23.23	25.73	18.69	19.39	19.77	21.47	23.80	17.34	17.77	18.10	19.68	21.84
	S/T‡	1.00	0.85	0.69	0.66	0.50	1.00	0.86	0.70	0.67	0.50	1.00	0.88	0.71	0.68	0.51	1.00	0.90	0.72	0.70	0.52	1.00	0.92	0.74	0.71	0.52
	AMPS*	6.17	6.22	6.23	6.28	6.34	6.96	7.00	7.01	7.05	7.11	7.87	7.89	7.90	7.95	8.01	8.94	8.96	8.97	9.02	9.08	10.23	10.25	10.26	10.31	10.36
	HI PR	253	255	255	258	262	294	296	296	299	303	339	341	342	345	350	390	392	392	396	401	447	448	449	452	457
	LO PR	115	123	125	134	147	118	125	127	136	149	122	127	129	139	151	125	129	131	141	154	129	132	134	144	157
650	MBh†	23.20	24.52	25.01	27.11	30.01	21.94	22.98	23.43	25.41	28.12	20.62	21.39	21.79	23.64	26.17	19.26	19.75	20.11	21.83	24.19	17.86	18.11	18.40	20.00	22.17
	S/T‡	1.00	0.87	0.70	0.67	0.51	1.00	0.88	0.71	0.68	0.51	1.00	0.90	0.72	0.70	0.52	1.00	0.92	0.74	0.71	0.52	1.00	0.95	0.76	0.73	0.54
	AMPS*	6.22	6.26	6.27	6.32	6.38	7.01	7.03	7.05	7.09	7.15	7.91	7.93	7.94	7.99	8.05	8.98	9.00	9.01	9.06	9.11	10.28	10.28	10.29	10.34	10.39
	HI PR	254	255	256	259	262	295	296	297	300	304	341	342	343	346	350	391	392	393	397	401	448	449	449	453	457
	LO PR	119	125	127	137	149	122	127	129	139	152	125	129	131	141	154	129	132	133	143	156	133	134	136	146	159
700	MBh†	23.88	24.95	25.44	27.57	30.50	22.56	23.38	23.82	25.81	28.55	21.20	21.74	22.14	24.00	26.55	19.78	20.08	20.41	22.15	24.52	18.33	18.42	18.65	20.27	22.46
	S/T‡	1.00	0.89	0.71	0.69	0.51	1.00	0.90	0.72	0.70	0.52	1.00	0.92	0.74	0.71	0.53	1.00	0.95	0.76	0.73	0.53	1.00	0.99	0.78	0.75	0.54
	AMPS*	6.27	6.29	6.31	6.36	6.42	7.05	7.07	7.08	7.13	7.19	7.95	7.97	7.98	8.03	8.08	9.03	9.03	9.04	9.09	9.15	10.32	10.32	10.33	10.38	10.42
	HI PR	254	256	256	259	263	296	297	298	301	305	342	343	343	347	351	392	393	394	397	402	449	449	450	454	458
	LO PR	122	127	129	139	152	125	129	131	141	154	128	131	133	143	156	132	134	135	145	158	136	137	138	148	161
800	MBh†	25.06	25.69	26.15	28.31	31.29	23.66	24.06	24.45	26.48	29.26	22.20	22.38	22.69	24.59	27.18	20.69	20.73	20.90	22.66	25.08	19.15	19.18	19.08	20.71	22.94
	S/T‡	1.00	0.93	0.74	0.71	0.53	1.00	0.94	0.75	0.73	0.53	1.00	0.96	0.77	0.74	0.54	1.00	1.00	0.79	0.76	0.55	1.00	1.00	0.81	0.79	0.56
	AMPS*	6.35	6.37	6.38	6.43	6.49	7.14	7.14	7.15	7.20	7.26	8.04	8.04	8.05	8.10	8.15	9.11	9.11	9.11	9.16	9.22	10.40	10.40	10.40	10.45	10.48
	HI PR	256	257	257	260	264	297	298	299	302	306	343	344	344	348	352	394	394	395	398	403	451	451	451	455	458
	LO PR	128	131	133	143	156	131	133	134	144	158	134	135	136	146	160	138	138	138	149	162	141	142	141	151	164

**Low Cool, CCH624GKA300 Outdoor With FVM4X24\*\*\*\* Indoor Cooling**

CFM		Outdoor Ambient Temperature - Degrees F, Dry Bulb																								
		75					85					95					105					115				
		Entering Indoor Temperature - Degrees F, Wet Bulb																								
		57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72
480	MBh†	17.40	18.34	18.71	20.36	22.60	16.19	16.89	17.22	18.74	20.80	14.92	15.38	15.67	17.07	18.96	13.64	13.87	14.11	15.40	17.13	12.37	12.43	12.58	13.77	15.35
	S/T‡	1.00	0.88	0.71	0.68	0.51	1.00	0.89	0.72	0.69	0.51	1.00	0.90	0.72	0.70	0.51	1.00	0.92	0.74	0.71	0.52	1.00	0.99	0.75	0.72	0.52
	AMPS*	4.45	4.42	4.40	4.34	4.25	5.19	5.16	5.15	5.08	4.99	6.05	6.03	6.02	5.95	5.86	7.04	7.04	7.03	6.97	6.89	8.21	8.20	8.20	8.16	8.10
	HI PR	244	245	245	247	250	283	284	285	287	290	328	328	329	331	335	377	377	378	380	384	431	431	432	435	438
	LO PR	121	127	129	139	152	125	129	131	141	154	128	132	133	143	156	133	134	136	146	159	137	138	139	149	162
520	MBh†	17.97	18.72	19.08	20.75	23.02	16.71	17.22	17.54	19.07	21.16	15.39	15.68	15.95	17.36	19.27	14.05	14.15	14.35	15.65	17.40	12.74	12.76	12.79	13.98	15.58
	S/T‡	1.00	0.90	0.73	0.70	0.52	1.00	0.91	0.73	0.71	0.52	1.00	0.93	0.74	0.71	0.52	1.00	0.94	0.75	0.73	0.53	1.00	1.00	0.77	0.74	0.53
	AMPS*	4.45	4.42	4.41	4.34	4.25	5.19	5.17	5.15	5.08	4.99	6.05	6.03	6.03	5.96	5.87	7.05	7.04	7.04	6.98	6.90	8.21	8.21	8.22	8.17	8.11
	HI PR	244	245	246	248	250	284	285	285	288	291	328	329	329	332	335	378	378	378	381	384	432	432	432	435	439
	LO PR	125	129	131	141	154	128	131	133	143	156	132	134	136	146	159	136	137	138	148	161	141	141	141	151	164
560	MBh†	18.49	19.05	19.40	21.08	23.38	17.17	17.51	17.81	19.37	21.47	15.81	15.96	16.19	17.61	19.54	14.43	14.46	14.55	15.87	17.63	13.07	13.09	12.96	14.16	15.78
	S/T‡	1.00	0.93	0.74	0.71	0.53	1.00	0.94	0.75	0.72	0.53	1.00	0.95	0.76	0.73	0.53	1.00	1.00	0.77	0.75	0.54	1.00	1.00	0.79	0.76	0.54
	AMPS*	4.46	4.43	4.42	4.35	4.26	5.19	5.18	5.17	5.10	5.00	6.05	6.05	6.04	5.97	5.88	7.06	7.06	7.06	7.00	6.92	8.23	8.23	8.24	8.19	8.13
	HI PR	245	246	246	248	251	285	285	286	288	291	329	329	330	332	335	378	378	379	381	385	433	433	433	436	439
	LO PR	128	131	133	143	156	131	134	135	145	159	135	136	137	148	161	139	140	140	150	163	144	144	142	153	166
640	MBh†	19.40	19.63	19.92	21.63	23.96	18.00	18.07	18.26	19.84	21.98	16.55	16.57	16.58	18.02	19.98	15.08	15.11	14.89	16.21	18.01	13.64	13.67	13.25	14.45	16.09
	S/T‡	1.00	0.97	0.77	0.75	0.55	1.00	0.99	0.78	0.76	0.55	1.00	1.00	0.79	0.77	0.55	1.00	1.00	0.81	0.78	0.56	1.00	1.00	0.83	0.80	0.57
	AMPS*	4.48	4.47	4.46	4.39	4.30	5.22	5.21	5.21	5.13	5.04	6.08	6.08	6.08	6.01	5.92	7.09	7.09	7.10	7.04	6.96	8.27	8.27	8.29	8.24	8.18
	HI PR	246	246	247	249	252	286	286	286	289	292	331	331	331	333	336	380	380	379	382	385	434	434	433	436	440
	LO PR	134	135	137	147	160	137	138	139	149	162	141	141	141	151	164	145	145	143	153	167	149	149	145	156	169

† Total capacities are net (I.D blower heat subtracted) system capacities based on 25' line set.  
If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.  
\* System amps are total of indoor and outdoor amps  
‡ S/T are based on 80 F db entering air at the indoor coil. For sensible capacities at other than 80 F db, deduct 835 Btu/h per 1000 cfm of indoor coil air from MBhX/S/T for each degree below 80 F, or add 835 Btu/h per 1000 cfm of indoor coil air from MBhX/S/T for each degree above 80 F  
†† At TVA rating indoor condition (75 F db/ 63 F wb), All other indoor air temperatures are at 80 F db





EXPANDED COOLING PERFORMANCE RATINGS For GKA200 Outdoor / Indoor Models

For complete ratings information, use the AHRI website directory search: www.AHRIdirectory.org.
New ratings may be listed online before Specification Sheets are updated.

High Cool, CCH648GKA200 Outdoor With FVM4X48\*\*\*\* Indoor Cooling

Table with columns for CFM, Indoor Ambient Temperature (75, 85, 95, 105, 115), and various performance metrics (MBh, S/T, AMPS, HI PR, LO PR) for models 1200, 1300, 1400, and 1600.

Low Cool, CCH648GKA200 Outdoor With FVM4X48\*\*\*\* Indoor Cooling

Table with columns for CFM, Indoor Ambient Temperature (75, 85, 95, 105, 115), and various performance metrics (MBh, S/T, AMPS, HI PR, LO PR) for models 960, 1040, 1120, and 1280.

† Total capacities are net (I.D blower heat subtracted) system capacities based on 25' line set.
If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.
\* System amps are total of indoor and outdoor amps
‡ S/T are based on 80 F db entering air at the indoor coil. For sensible capacities at other than 80 F db, deduct 835 Btuh per 1000 cfm of indoor coil air from MBh/S/T for each degree below 80 F, or add 835 Btuh per 1000 cfm of indoor coil air from MBh/S/T for each degree above 80 F
†† At TVA rating indoor condition (75 F db/ 63 F wb), All other indoor air temperatures are at 80 F db

EXPANDED COOLING PERFORMANCE RATINGS For GKA200 Outdoor / Indoor Models

For complete ratings information, use the AHRI website directory search: www.AHRIdirectory.org. New ratings may be listed online before Specification Sheets are updated.

High Cool CCH660GKA200 Outdoor With FVM4X60\*\*\*\* Indoor Cooling

Outdoor Ambient Temperature - Degrees F, Dry Bulb

75 85 95 105 115

Entering Indoor Temperature - Degrees F, Wet Bulb

Table with columns for CFM, Outdoor Ambient Temperature (75, 85, 95, 105, 115), and Entering Indoor Temperature (57, 62, 63††, 67, 72). Rows include MBh†, S/T‡, AMPS\*, HI PR, and LO PR for models 1500, 1625, 1750, and 2000.

Low Cool CCH660GKA200 Outdoor With FVM4X60\*\*\*\* Indoor Cooling

Outdoor Ambient Temperature - Degrees F, Dry Bulb

75 85 95 105 115

Entering Indoor Temperature - Degrees F, Wet Bulb

Table with columns for CFM, Outdoor Ambient Temperature (75, 85, 95, 105, 115), and Entering Indoor Temperature (57, 62, 63††, 67, 72). Rows include MBh†, S/T‡, AMPS\*, HI PR, and LO PR for models 1200, 1300, 1400, and 1600.

† Total capacities are net (I.D blower heat subtracted) system capacities based on 25' line set. If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur. \* System amps are total of indoor and outdoor amps ‡ S/T are based on 80 F db entering air at the indoor coil. For sensible capacities at other than 80 F db, deduct 835 Btu/h per 1000 cfm of indoor coil air from MBhxS/T for each degree below 80 F, or add 835 Btu/h per 1000 cfm of indoor coil air from MBhxS/T for each degree above 80 F †† At TVA rating indoor condition (75 F db/ 63 F wb), All other indoor air temperatures are at 80 F db

EXPANDED HEATING PERFORMANCE RATINGS For GKA300 Outdoor / Indoor Models

For complete ratings information, use the AHRI website directory search: www.AHRIdirectory.org. New ratings may be listed online before Specification Sheets are updated.

High Heat CCH624GKA300 Size Outdoor With FVM4X24\*\*\*\* Indoor Heating

Outdoor Ambient Temperature - Degrees F, Dry Bulb

-3      7      17      27      37      47      57      67

Entering Indoor Temperature - Degrees F, Dry Bulb

Table with columns for CFM, Outdoor Ambient Temperature, and Entering Indoor Temperature, and rows for MBH†, T/R, AMPS\*, HI PR, LO PR across various indoor temperature combinations.

Low Heat CH624GKA300 Size Outdoor With FVM4X24\*\*\*\* Indoor Heating

Outdoor Ambient Temperature - Degrees F, Dry Bulb

-3      7      17      27      37      47      57      67

Entering Indoor Temperature - Degrees F, Dry Bulb

Table with columns for CFM, Outdoor Ambient Temperature, and Entering Indoor Temperature, and rows for MBH†, T/R, AMPS\*, HI PR, LO PR across various indoor temperature combinations.

† Total capacities are net (I.D blower heat added) system capacities based on 25' line set.

If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.

\* System amps are total of indoor and outdoor amps

T/R - Temp Rise is based on 25' line set.

If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in Temp Rise may occur.







**ACCESSORY USAGE GUIDELINES**

Accessory	REQUIRED FOR LOW AMBIENT COOLING APPLICATIONS (16 SEER Product Only) (Below 55°F / 12.8°C)	REQUIRED FOR LONG LINE APPLICATIONS*	REQUIRED FOR SEA COAST APPLICATIONS (Within 2 miles/3.22km)
Compressor Start Assist Capacitor and Relay	NO	No	No
Crankcase Heater	Yes, Standard	Yes, Standard	No
Liquid Line Solenoid Valve	No	See Long Line Applications Guideline	No
Support Feet	Recommended	No	Recommended
Hard Shutoff TXV	Yes (Standard with factory approved indoor unit)	Yes (Standard with factory approved indoor unit)	Yes (Standard with factory approved indoor unit)
Evaporator Freeze Thermostat	Yes	No	No
Low-Ambient Pressure Switch	Yes	No	No
Isolation Relay	Yes	No	No

\* For tubing line sets between 80 and 200 ft. (24.38 and 60.96 m) and/or 20 ft. (6.09 m) vertical differential, refer to Long Line Applications Guideline.

**ACCESSORIES**

Part Number	Description	Used On GKA100 Model Size	Used On GKA200/300 Model Size
NASA001LS	Liquid Line Solenoid Valve, HP, R-22 or R-410A	ALL	ALL
NASA001TD	Time Delay Relay, Indoor Blower	ALL	ALL
NASA001SF	Support Feet, 4" (102mm) tall	ALL	ALL
NASA00106SS	Snow Stand Kit	ALL	ALL
NASA010SC	Hard Start Kit (Capacitor & Relay)	24	N/A
NASA011SC	Hard Start Kit (Capacitor & Relay)	36	N/A
NASA012SC	Hard Start Kit (Capacitor & Relay)	48	24, 36
NASA013SC	Hard Start Kit (Capacitor & Relay)	60	N/A
NASA015SC	Hard Start Kit (Capacitor & Relay)	N/A	48, 60
NASA001FS	Evaporator Freeze Thermostat	N/A	ALL
NASA401LA	Low Ambient Kit (Pressure Switch) R-410A	N/A	ALL
NASA00101IK	Isolation Relay Kit	N/A	ALL

**WALL CONTROL**

TSTAT0101SC	Observer™ Self Configuring Communicating Wall Control	ALL	ALL
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