

AIR CONDITIONER
EFFICIENT 16 SEER/12.2–14.0 EER
ENVIRONMENTALLY BALANCED
R-410A REFRIGERANT
1½ THRU 5 TONS SPLIT SYSTEM
208/230 Volt, 1–phase, 60 Hz

EcoTemp

WCA64**



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.



Model Number	Size (tons)	Nominal BTU/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions length/width(sq.) x height in. (mm)	Ship / Operating Weight lbs.(kg)
WCA6184GKA	1-1/2	18,000	11.7	20	25-3/4 x 25-5/16 (654 x 643)	145/122 (66/55)
WCA6244GKA	2	24,000	14.4	25	25-3/4 x 32-1/16 (654 x 817)	148/123 (67/56)
WCA6304GKA	2-1/2	30,000	16.8	25	31-3/16 x 38-7/16 (792 x 976)	201/164 (91/74)
WCA6364GKA	3	36,000	18.2	30	35 x 28-11/16 (889 x 729)	182/165 (83/75)
WCA6424GKA	3-1/2	42,000	21.8	35	35 x 28-11/16 (889 x 729)	231/210 (105/95)
WCA6484GKA	4	48,000	26.1	40	35 x 38-7/8 (889 x 988)	290/264 (132/120)
WCA6604GKB	5	60,000	32.4	50	35 x 45-11/16 (889 x 1161)	318/280 (144/127)

ALL MODELS

REFRIGERATION CIRCUIT

- Scroll compressors on all models
- Copper tube / aluminum fin coil

EASY TO INSTALL AND SERVICE

- Easy Access service valves on all models
- External high and low refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- Pre-painted cabinet finish over galvanized steel
- Coated inlet grille with 3/8" (10mm) grille spacing for extra protection

LIMITED WARRANTY*

- 1 year unit replacement limited warranty
- 10 year parts limited warranty (including compressor and coil) with timely registration *

* 5 year parts limited warranty if not registered within 90 days of original installation.
 See warranty certificate for complete details and restrictions.

Product Specifications

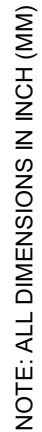
OUTDOOR UNIT MODEL NUMBER IDENTIFICATION GUIDE (single phase)

Digit Position:	1,2	3	4	5,6	7	8	9	10	11						
Example Part Number:	WC	A	6	24	4	G	K	A	1						
A = Air Conditioner			TYPE	SEER											
6 = 16 SEER															
18 = 18,000 BTUH = 1½ tons			NOMINAL CAPACITY												
24 = 24,000 BTUH = 2 tons															
30 = 30,000 BTUH = 2½ tons															
36 = 36,000 BTUH = 3 tons															
42 = 42,000 BTUH = 3½ tons															
48 = 48,000 BTUH = 4 tons															
60 = 60,000 BTUH = 5 tons															
4 = R-410A					REFRIGERANT		FEATURE								
A = Standard Grille															
G = Coil Guard Grille															
K = 208/230-1-60							VOLTAGE								
Sales Code															
Extra Digit															

ACCESSORIES PART NUMBER IDENTIFICATION GUIDE

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

1. CENTER OF GRAVITY



U.S. ECCN: Not Subject to Regulation (N.S.R.)

Copy of SD5488-4 REV. B

UNIT SIZE	"X"			"Y"		
	MINIMUM GROUND MOUNTING PAD APPLICATION DIMENSIONS			MINIMUM ROOF-TOE MOUNTING PAD APPLICATION DIMENSIONS		
-	23	1/8	587.3	17	7/8	454.6
18,24	25	3/4	654.0	20	7/16	518.5
30	31	3/16	792.5	22	15/16	583.2
36,42,48,60	35		889.0	26	3/4	679.7

PHYSICAL DATA

UNIT SIZE	18	24	30	36	42	48	60
Compressor Type	Scroll						
REFRIGERANT	R-410A						
Control	TXV Hard Shutoff, Required						
Charge (lb)	3.83 (1.74)	4.95 (2.25)	6.825 (3.09)	6.75 (3.06)	8.60 (3.90)	13.00 (5.90)	14.00 (6.35)
COND FAN	Propeller Type, Direct Drive						
Air Discharge	Vertical						
Air Qty (CFM)	1700	2196	2614	3810	3337	4046	4000
Motor HP	1/12	1/12	1/10	1/5	1/8	1/4	1/3
Motor RPM	1100	800	1100	810	810	800	817
COND COIL							
Face Area (Sq ft)	9.85	12.1	21.56	17.6	17.6	25.15	30.15
Fins per In.	25	25	25	25	20	20	20
Rows	1	1	1	1	2	2	2
Circuits	3	4	5	4	7	7	12
VALVE CONNECT. (In. ID)							
Vapor	3/4	3/4	3/4	7/8	7/8	7/8	7/8
Liquid	3/8						
REFRIGERANT TUBES (In. OD)							
Rated Vapor*	3/4	3/4	3/4	7/8	7/8	7/8	1-1/8
Max Liquid Line	3/8						

* Units are rated with 25 ft (7.6 m) of lineset length. See Vapor Line Sizing and Cooling Capacity Loss table when using other sizes and lengths of lineset. **Note:** See unit Installation Instruction for proper installation.

† See Liquid Line Sizing For Cooling Only Systems with R-410A Refrigerant tables.

UNIT SIZE	V/PH	OPER VOLTS*		COMPR		FAN	MCA	MAX FUSE† or CKT BRK AMPS
		MAX	MIN	LRA	RLA	FLA		
18	208/230/1-60	253	197	47.5	9.0	0.40	11.7	20
24				62.9	10.9	0.77	14.4	25
30				67.8	12.8	0.75	16.8	25
36				79.0	13.6	1.20	18.2	30
42				109.0	16.7	0.90	21.8	35
48				109.0	19.9	1.20	26.1	40
60				152.5	23.7	2.80	32.4	50

* Permissible limits of the voltage range at which the unit will operate satisfactorily

† Time-Delay fuse.

FLA - Full Load Amps

LRA - Locked Rotor Amps

MCA - Minimum Circuit Amps

RLA - Rated Load Amps

NOTE: Control circuit is 24V on all units and requires external power source. Copper wire must be used from service disconnect to unit.

All motors/compressors contain internal overload protection.

Complies with 2010 requirements of ASHRAE Standards 90.1

A-WEIGHTED SOUND POWER (dBA)

A-WEIGHTED SOUND POWER (dBA) WITH SOUND SHIELD								
UNIT SIZE	STANDARD RATING	TYPICAL OCTAVE BAND SPECTRUM (without tone adjustment)						
		125	250	500	1000	2000	4000	8000
18	75	45	53	58	62	61	55	49
24	72	48	55	59	63	59	55	49
30	73	50	54	62	66	60	57	51
36	69	48	59	57	59	56	51	40
42	72	63	57	59	61	57	55	51
48	73	55	61	64	63	60	57	48
60	73	67	68	68	71	63	55	52

A-WEIGHTED SOUND POWER (dBA) WITHOUT SOUND SHIELD								
UNIT SIZE	STANDARD RATING	TYPICAL OCTAVE BAND SPECTRUM (without tone adjustment)						
		125	250	500	1000	2000	4000	8000
18	75	47	56	60	64	60	54	47
24	74	48	54	60	64	59	56	50
30	74	48	55	62	67	61	57	51
36	71	49	60	59	61	59	55	47
42	74	64	57	60	61	58	56	53
48	73	55	61	64	63	60	57	48
60	74	66	67	68	72	64	60	57

NOTE: Tested in compliance with AHRI 270-1995 (not listed with AHRI)

METERING DEVICE

UNIT SIZE	INDOOR	REQUIRED SUBCOOLING °F (°C)
18	TXV*	13 (7.22)
24		10 (5.56)
30		12 (6.67)
36		11 (6.11)
42		10 (5.56)
48		8 (4.44)
60		9 (5.00)

* TXV must be ordered separately when indoor coil is not equipped with a TXV. TXV must be hard-shutoff type.

REFRIGERANT CHARGE ADJUSTMENTS

Liquid Line Size	R-410A Charge oz/ft
3/8	0.60 (Factory charge for lineset = 9 oz)
5/16	0.40
1/4	0.27

Units are factory charged for 15 ft (4.6 m) of 3/8" liquid line. The factory charge for 3/8" lineset 9 oz. When using other length or diameter liquid lines, charge adjustments are required per the chart above.

Charging Formula:

$[(\text{Lineset oz/ft} \times \text{total length}) - (\text{factory charge for lineset})] = \text{charge adjustment}$

Example 1: System has 15 ft of line set using existing 1/4" liquid line. What charge adjustment is required?

Formula: $(.27 \text{ oz/ft} \times 15\text{ft}) - (9 \text{ oz}) = (-4.95) \text{ oz.}$

Net result is to remove 4.95 oz of refrigerant from the system

Example 2: System has 45 ft of existing 5/16" liquid line. What is the charge adjustment?

Formula: $(.40 \text{ oz/ft.} \times 45\text{ft}) - (9 \text{ oz.}) = 9 \text{ oz.}$

Net result is to add 9 oz of refrigerant to the system

LONG LINE APPLICATIONS

An application is considered Long Line, when the refrigerant level in the system requires the use of accessories to maintain acceptable refrigerant management for systems reliability. See Accessory Usage Guideline table for required accessories. Defining a system as long line depends on the liquid line diameter, actual length of the tubing, and vertical separation between the indoor and outdoor units.

For Air Conditioner systems, the charts below shows when an application requires a TXV and long line accessories due to lineset length.

AC with R-410A Refrigerant Long Line Description ft (m) Beyond these lengths, a TXV is required

Total Length	Outdoor Unit Above or Below Indoor Unit
TXV required beyond 50 ft. (15.2 m)	TXV required beyond 20 ft. (6.1 m)

AC with R-410A Refrigerant Long Line Description ft (m) (Beyond these lengths, long line accessories are required)

Liquid Line Size	Units On Same Level	Outdoor Below Indoor	Outdoor Above Indoor
1/4 + TXV	No accessories needed within allowed lengths	No accessories needed within allowed lengths	175 (53.3)
5/16 + TXV	120 (36.6)	50 (15.2) vertical or 120 (36.6) total	120 (36.6)
3/8 + TXV	80 (24.4)	35 (10.7) vertical or 80 (24.4) total	80 (24.4)

Note: See Long Line Guideline for details

VAPOR LINE SIZING AND COOLING CAPACITY LOSS

Acceptable vapor line diameters provide adequate oil return to the compressor while avoiding excessive capacity loss. The suction line diameters shown in the chart below are acceptable for AC systems with R-410A refrigerant:

Unit Nominal Size (Btuh)	Maximum Liquid Line Diameters (In. OD)	Vapor Line Diameters (In. OD)	Cooling Capacity Loss (%) Total Equivalent Line Length ft. (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—53.3)	176—200 (53.6—61.0)	201—225 (61.3—68.6)	226—250 (68.9—76.2)
18 1 Stage AC with R-410A	3/8	1/2	1	2	3	5	6	7	8	9	11
		5/8	0	1	1	1	2	2	2	3	3
		3/4	0	0	0	0	1	1	1	1	1
24 1 Stage AC with R-410A	3/8	5/8	0	1	2	2	3	3	4	5	5
		3/4	0	0	1	1	1	1	1	2	2
		7/8	0	0	0	0	0	1	1	1	1
30 1 Stage AC with R-410A	3/8	5/8	1	2	3	3	4	5	6	7	8
		3/4	0	0	1	1	1	2	2	2	3
		7/8	0	0	0	0	1	1	1	1	1
36 1 Stage AC with R-410A	3/8	5/8	1	2	4	5	6	8	9	10	12
		3/4	0	1	1	2	2	3	3	4	4
		7/8	0	0	0	1	1	1	1	2	2
42 1 Stage AC with R-410A	3/8	3/4	0	1	2	2	3	4	4	5	6
		7/8	0	0	1	1	1	2	2	2	3
		1 1/8	0	0	0	0	0	0	0	0	0
48 1 Stage AC with R-410A	3/8	3/4	0	1	2	3	4	5	5	6	7
		7/8	0	0	1	1	2	2	2	3	3
		1 1/8	0	0	0	0	0	0	0	1	1
60 1 Stage AC with R-410A	3/8	3/4	1	2	4	5	6	7	9	10	11
		7/8	0	1	2	2	3	4	4	5	5
		1 1/8	0	0	0	1	1	1	1	1	1

Consult the Long Line Application Guideline document before purchasing/installing line sets.

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

TESTED AHRI COMBINATION RATINGS

NOTE: For complete ratings information, use the AHRI website directory search: www.AHRI.org.

New ratings may be listed online before Specification Sheets are updated.

UNIT SIZE	INDOOR MODEL	AHRI STANDARD RATINGS						FURNACE MODEL
		COOLING						
		CAPACITY	FACTORY ENHANCE	SEER			EER	
STANDARD	TDR			TXV				
018	WLA*194BA*	17,200	TXV		14.50		12.50	
024	WLA*254BA*	24,000	TXV		14.50		12.50	
030	WLA*374CA*	29,400	TXV		14.50		12.50	
036	WLA*374CA*	35,000	TXV		14.50		12.50	
042	WLA*434CA*	40,000	TXV		14.50		12.50	
048	WLA*604DA*	46,000	TXV		14.50		12.50	
060	WLNC614DA*	57,500	TXV		15.00		12.50	

AHRI — Air Conditioning, Heating & Refrigeration Institute

EER — Energy Efficiency Ratio — 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

TDR — Time-Delay Relay. In most cases, only one method should be used to achieve TDR function. Using more than one method in a system may cause degradation in performance. Use either the accessory Time-Delay Relay or a furnace equipped with TDR. Most ICP furnaces are equipped with TDR.

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.

DETAILED COOLING CAPACITIES

EVAPORATOR AIR				CONDENSER ENTERING AIR TEMPERATURES °F (°C)															
CFM	EWB °F (°C)	75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
		Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**
		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†	
WCA6184GKA Outdoor Section With WLA*194BA* Indoor Section																			
525	72 (22.2)	20.56	10.96	1.11	19.77	10.67	1.25	18.93	10.35	1.40	17.98	10.00	1.58	16.91	9.62	1.77	15.70	9.18	2.00
	67 (19.4)	18.80	13.55	1.12	18.03	13.23	1.26	17.20	12.89	1.41	16.29	12.52	1.58	15.26	12.11	1.78	14.11	11.66	2.00
	63 (17.2)††	17.52	13.07	1.13	16.75	12.73	1.27	15.94	12.37	1.42	15.04	11.98	1.59	14.05	11.55	1.78	12.94	11.08	2.01
	62 (16.7)	17.21	16.10	1.13	16.46	15.76	1.27	15.67	15.40	1.42	14.89	14.89	1.59	14.11	14.11	1.78	13.23	13.23	2.00
	57 (13.9)	16.82	16.82	1.14	16.21	16.21	1.27	15.57	15.57	1.42	14.86	14.86	1.59	14.08	14.08	1.78	13.20	13.20	2.00
600	72 (22.2)	20.91	11.56	1.14	20.10	11.27	1.27	19.23	10.95	1.43	18.25	10.60	1.60	17.16	10.22	1.80	15.91	9.78	2.02
	67 (19.4)	19.14	14.52	1.15	18.35	14.21	1.28	17.50	13.87	1.44	16.56	13.49	1.61	15.51	13.08	1.80	14.33	12.62	2.03
	63 (17.2)††	17.86	13.98	1.16	17.08	13.64	1.29	16.24	13.28	1.44	15.32	12.88	1.61	14.30	12.45	1.81	13.16	11.97	2.03
	62 (16.7)	17.61	17.44	1.16	16.94	16.94	1.29	16.27	16.27	1.44	15.53	15.53	1.61	14.70	14.70	1.81	13.77	13.77	2.03
	57 (13.9)	17.54	17.54	1.16	16.91	16.91	1.29	16.24	16.24	1.44	15.50	15.50	1.61	14.68	14.68	1.81	13.75	13.75	2.03
675	72 (22.2)	21.16	12.15	1.16	20.33	11.86	1.30	19.44	11.54	1.46	18.44	11.19	1.63	17.32	10.80	1.83	16.05	10.37	2.05
	67 (19.4)	19.39	15.48	1.17	18.58	15.16	1.31	17.72	14.81	1.46	16.77	14.44	1.63	15.69	14.03	1.83	14.49	13.56	2.05
	63 (17.2)††	18.12	14.87	1.18	17.31	14.52	1.32	16.46	14.16	1.47	15.53	13.77	1.64	14.49	13.33	1.84	13.33	12.84	2.06
	62 (16.7)	18.17	18.17	1.18	17.52	17.52	1.32	16.82	16.82	1.47	16.05	16.05	1.64	15.19	15.19	1.83	14.22	14.22	2.06
	57 (13.9)	18.14	18.14	1.18	17.49	17.49	1.32	16.79	16.79	1.47	16.03	16.03	1.64	15.17	15.17	1.83	14.20	14.20	2.06
WCA6244GKA Outdoor Section With WLA*254BA* Indoor Section																			
CFM	EWB °F (°C)	75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
		Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**
		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†	
700	72 (22.2)	28.74	15.29	1.56	27.59	14.86	1.73	26.38	14.41	1.92	25.05	13.92	2.13	23.62	13.40	2.38	21.98	12.81	2.67
	67 (19.4)	26.23	18.87	1.57	25.15	18.42	1.73	24.00	17.95	1.92	22.76	17.44	2.14	21.38	16.88	2.39	19.89	16.29	2.68
	63 (17.2)††	24.41	18.18	1.57	23.37	17.72	1.74	22.28	17.23	1.92	21.09	16.71	2.14	19.80	16.15	2.39	18.41	15.56	2.69
	62 (16.7)	23.90	22.33	1.57	22.89	21.86	1.74	21.83	21.35	1.92	20.70	20.70	2.14	19.68	19.68	2.39	18.58	18.58	2.69
	57 (13.9)	23.23	23.23	1.57	22.43	22.43	1.74	21.59	21.59	1.93	20.66	20.66	2.14	19.65	19.65	2.39	18.55	18.55	2.69
800	72 (22.2)	29.24	16.13	1.60	28.05	15.70	1.77	26.78	15.24	1.95	25.44	14.75	2.17	23.93	14.22	2.42	22.24	13.63	2.71
	67 (19.4)	26.71	20.21	1.60	25.57	19.75	1.77	24.40	19.27	1.96	23.11	18.76	2.17	21.69	18.20	2.42	20.14	17.59	2.72
	63 (17.2)††	24.89	19.44	1.61	23.82	18.97	1.77	22.69	18.48	1.96	21.45	17.94	2.18	20.10	17.37	2.43	18.66	16.76	2.72
	62 (16.7)	24.44	24.12	1.61	23.45	23.45	1.77	22.55	22.55	1.96	21.57	21.57	2.17	20.47	20.47	2.43	19.28	19.28	2.72
	57 (13.9)	24.26	24.26	1.61	23.41	23.41	1.77	22.52	22.52	1.96	21.54	21.54	2.17	20.44	20.44	2.43	19.25	19.25	2.72
900	72 (22.2)	29.61	16.95	1.64	28.37	16.51	1.80	27.06	16.05	1.99	25.66	15.55	2.20	24.14	15.03	2.45	22.40	14.43	2.75
	67 (19.4)	27.04	21.51	1.64	25.89	21.05	1.81	24.68	20.57	1.99	23.37	20.05	2.21	21.92	19.48	2.46	20.33	18.85	2.75
	63 (17.2)††	25.25	20.65	1.64	24.14	20.17	1.81	22.97	19.67	2.00	21.72	19.14	2.21	20.33	18.55	2.47	18.85	17.92	2.76
	62 (16.7)	25.16	25.16	1.64	24.26	24.26	1.81	23.31	23.31	2.00	22.28	22.28	2.21	21.12	21.12	2.46	19.86	19.86	2.75
	57 (13.9)	25.13	25.13	1.64	24.23	24.23	1.81	23.28	23.28	2.00	22.25	22.25	2.21	21.09	21.09	2.46	19.83	19.83	2.75

See notes on page 7

DETAILED COOLING CAPACITIES (CONTINUED)

EVAPORATOR AIR			CONDENSER ENTERING AIR TEMPERATURES °F (°C)																
CFM	EWB °F (°C)	75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
		Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**
		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†	
WCA6304GKA Outdoor Section With WLA*374CA* Indoor Section																			
875	72 (22.2)	35.64	18.21	1.92	33.95	17.61	2.12	32.20	16.99	2.34	30.34	16.35	2.59	28.36	15.67	2.89	26.24	14.96	3.24
	67 (19.4)	32.44	22.50	1.93	30.91	21.90	2.12	29.31	21.28	2.34	27.63	20.63	2.60	25.83	19.95	2.89	23.89	19.22	3.24
	63 (17.2)††	30.16	21.66	1.93	28.74	21.06	2.13	27.26	20.44	2.35	25.70	19.79	2.60	24.03	19.11	2.90	22.23	18.38	3.24
	62 (16.7)	29.56	26.69	1.93	28.19	26.07	2.13	26.78	26.66	2.34	25.48	25.48	2.60	24.13	24.13	2.89	22.66	22.66	3.24
	57 (13.9)	28.92	28.92	1.93	27.82	27.82	2.13	26.67	26.67	2.35	25.44	25.44	2.60	24.09	24.09	2.90	22.63	22.63	3.24
1000	72 (22.2)	36.22	19.22	1.97	34.49	18.82	2.17	32.65	17.99	2.39	30.71	17.34	2.64	28.67	16.65	2.94	26.47	15.93	3.29
	67 (19.4)	33.02	24.12	1.98	31.42	23.51	2.17	29.76	22.87	2.39	28.00	22.21	2.64	26.13	21.51	2.94	24.15	20.76	3.29
	63 (17.2)††	30.72	23.16	1.98	29.24	22.55	2.17	27.70	21.91	2.39	26.07	21.25	2.65	24.34	20.55	2.94	22.49	19.80	3.29
	62 (16.7)	30.25	30.19	1.98	29.03	29.03	2.17	27.79	27.79	2.39	26.45	26.45	2.65	25.00	25.00	2.94	23.42	23.42	3.29
	57 (13.9)	30.17	30.17	1.98	28.99	28.99	2.17	27.74	27.74	2.39	26.41	26.41	2.65	24.97	24.97	2.94	23.39	23.39	3.29
1125	72 (22.2)	36.63	20.20	2.02	34.86	19.60	2.21	32.96	18.97	2.43	30.97	18.31	2.69	28.86	17.61	2.99	26.61	16.87	3.34
	67 (19.4)	33.45	25.70	2.02	31.79	25.07	2.22	30.07	24.42	2.44	28.27	23.74	2.69	26.36	23.02	2.99	24.33	22.24	3.34
	63 (17.2)††	31.14	24.62	2.03	29.61	24.00	2.22	28.01	23.35	2.44	26.35	22.67	2.69	24.57	21.95	2.99	22.69	21.15	3.34
	62 (16.7)	31.27	31.27	2.03	30.00	30.00	2.22	28.67	28.67	2.44	27.25	27.25	2.69	25.71	25.71	2.99	24.04	24.04	3.34
	57 (13.9)	31.22	31.22	2.03	29.96	29.96	2.22	28.63	28.63	2.44	27.21	27.21	2.69	25.68	25.68	2.99	24.01	24.01	3.34
CONDENSER ENTERING AIR TEMPERATURES °F (°C)																			
CFM	EWB °F (°C)	75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
		Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**
		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†	
WCA6364GKA Outdoor Section With WLA*374CA* Indoor Section																			
1050	72 (22.2)	41.43	22.35	2.21	39.69	21.71	2.48	37.44	20.89	2.75	34.93	19.98	3.05	32.36	19.07	3.40	29.90	18.21	3.84
	67 (19.4)	38.19	27.91	2.21	36.65	27.27	2.48	34.59	26.43	2.74	32.28	25.50	3.03	29.91	24.56	3.38	27.64	23.66	3.81
	63 (17.2)††	35.71	26.94	2.22	34.31	26.31	2.49	32.39	25.47	2.74	30.23	24.53	3.03	28.01	23.58	3.37	25.89	22.68	3.81
	62 (16.7)	35.08	33.23	2.23	33.74	32.59	2.49	31.93	31.76	2.74	30.11	30.11	3.02	28.27	28.27	3.37	26.49	26.49	3.81
	57 (13.9)	34.40	34.40	2.23	33.32	33.32	2.49	31.81	31.81	2.74	30.06	30.06	3.02	28.23	28.23	3.37	26.46	26.46	3.81
1200	72 (22.2)	41.93	23.55	2.27	40.12	22.90	2.54	37.78	22.06	2.82	35.19	21.14	3.11	32.56	20.22	3.46	30.03	19.35	3.90
	67 (19.4)	38.75	29.85	2.27	37.13	29.20	2.54	35.00	28.35	2.80	32.61	27.40	3.09	30.17	26.44	3.44	27.86	25.52	3.88
	63 (17.2)††	36.30	28.76	2.28	34.82	28.12	2.54	32.84	27.26	2.80	30.60	26.30	3.08	28.31	25.33	3.43	26.14	24.40	3.87
	62 (16.7)	35.86	35.86	2.28	34.66	34.66	2.54	33.01	33.01	2.80	31.13	31.13	3.08	29.17	29.17	3.43	27.26	27.26	3.87
	57 (13.9)	35.80	35.80	2.28	34.61	34.61	2.54	32.97	32.97	2.80	31.10	31.10	3.08	29.13	29.13	3.43	27.23	27.23	3.87
1350	72 (22.2)	42.26	24.70	2.32	40.39	24.03	2.60	37.99	23.19	2.88	35.35	22.27	3.17	32.65	21.34	3.53	30.07	20.46	3.97
	67 (19.4)	39.14	31.75	2.32	37.47	31.08	2.59	35.28	30.21	2.86	32.84	29.24	3.15	30.36	28.25	3.50	28.02	27.25	3.94
	63 (17.2)††	36.73	30.53	2.33	35.20	29.87	2.60	33.15	28.99	2.86	30.87	28.01	3.14	28.54	27.00	3.49	26.35	25.97	3.93
	62 (16.7)	36.98	36.98	2.33	35.69	35.69	2.59	33.93	33.93	2.85	31.94	31.94	3.14	29.86	29.86	3.49	27.84	27.84	3.93
	57 (13.9)	36.94	36.94	2.33	35.64	35.64	2.59	33.89	33.89	2.85	31.90	31.90	3.14	29.83	29.83	3.49	27.82	27.82	3.93

See notes on page 7

DETAILED COOLING CAPACITIES (CONTINUED)

EVAPORATOR AIR			CONDENSER ENTERING AIR TEMPERATURES °F (°C)																
CFM	EWB °F (°C)	75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
		Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**
		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†	
WCA6424GKA Outdoor Section With WLA*434CA* Indoor Section																			
1225	72 (22.2)	48.22	24.66	2.66	46.04	23.88	2.91	43.76	23.07	3.20	41.35	22.23	3.54	38.73	21.33	3.94	35.86	20.35	4.40
	67 (19.4)	43.94	30.44	2.65	41.96	29.66	2.90	39.92	28.86	3.19	37.74	28.02	3.53	35.35	27.10	3.93	32.73	26.11	4.39
	63 (17.2)††	40.85	29.30	2.63	39.03	28.53	2.89	37.15	27.73	3.18	35.13	26.89	3.52	32.94	25.99	3.92	30.49	24.98	4.38
	62 (16.7)	40.14	36.10	2.63	38.38	35.29	2.89	36.59	34.43	3.18	34.82	34.82	3.52	33.04	33.04	3.92	31.02	31.02	4.38
	57 (13.9)	39.26	39.26	2.63	37.85	37.85	2.88	36.37	36.37	3.18	34.77	34.77	3.52	33.00	33.00	3.92	30.98	30.98	4.38
1400	72 (22.2)	49.02	25.99	2.73	46.72	25.19	2.98	44.36	24.37	3.27	41.84	23.51	3.61	39.12	22.59	4.01	36.16	21.61	4.47
	67 (19.4)	44.72	32.58	2.71	42.63	31.77	2.97	40.50	30.95	3.26	38.24	30.09	3.60	35.77	29.16	4.00	33.07	28.13	4.46
	63 (17.2)††	41.61	31.28	2.70	39.69	30.49	2.96	37.73	29.67	3.25	35.64	28.82	3.59	33.36	27.88	3.99	30.85	26.85	4.45
	62 (16.7)	41.11	40.80	2.70	39.47	39.47	2.96	37.87	37.87	3.25	36.14	36.14	3.59	34.21	34.21	3.99	32.06	32.06	4.45
	57 (13.9)	40.95	40.95	2.70	39.41	39.41	2.96	37.81	37.81	3.25	36.09	36.09	3.59	34.17	34.17	3.99	32.01	32.01	4.45
1575	72 (22.2)	49.58	27.26	2.80	47.21	26.45	3.05	44.76	25.62	3.34	42.16	24.75	3.68	39.37	23.82	4.07	36.34	22.83	4.53
	67 (19.4)	45.27	34.62	2.78	43.12	33.81	3.04	40.93	32.97	3.33	38.60	32.08	3.67	36.07	31.12	4.06	33.33	30.05	4.52
	63 (17.2)††	42.15	33.18	2.77	40.18	32.37	3.03	38.15	31.54	3.32	36.00	30.65	3.66	33.67	29.69	4.05	31.12	28.59	4.52
	62 (16.7)	42.36	42.36	2.77	40.71	40.71	3.03	39.01	39.01	3.32	37.16	37.16	3.66	35.12	35.12	4.06	32.84	32.84	4.52
	57 (13.9)	42.30	42.30	2.77	40.66	40.66	3.03	38.95	38.95	3.32	37.12	37.12	3.66	35.08	35.08	4.06	32.80	32.80	4.52
WCA6484GKA Outdoor Section With WLA*604DA* Indoor Section																			
CONDENSER ENTERING AIR TEMPERATURES °F (°C)																			
CFM	EWB °F (°C)	75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
		Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**
		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†	
1400	72 (22.2)	44.96	44.96	2.96	43.24	43.24	3.31	41.42	41.42	3.68	39.48	39.48	4.07	37.41	37.41	4.50	35.13	35.13	4.97
	67 (19.4)	45.83	40.58	2.94	43.71	39.59	3.30	41.58	41.20	3.68	39.55	39.55	4.07	37.46	37.46	4.50	35.17	35.17	4.97
	63 (17.2)††	46.51	32.87	2.92	44.27	31.94	3.30	41.97	30.99	3.67	39.55	30.00	4.07	37.01	28.97	4.50	34.29	27.86	4.97
	62 (16.7)	50.34	34.29	2.82	47.86	33.33	3.22	45.32	32.35	3.62	42.67	31.35	4.04	39.88	30.30	4.49	36.92	29.19	4.97
	57 (13.9)	55.58	27.87	2.66	52.81	26.89	3.10	49.96	25.90	3.53	46.99	24.88	3.98	43.89	23.82	4.45	40.59	22.72	4.95
1600	72 (22.2)	46.87	46.87	2.98	44.99	44.99	3.35	43.03	43.03	3.73	40.92	40.92	4.13	38.67	38.67	4.57	36.23	36.23	5.05
	67 (19.4)	47.04	46.57	2.98	45.07	45.07	3.35	43.08	43.08	3.73	40.97	40.97	4.13	38.72	38.72	4.57	36.27	36.27	5.05
	63 (17.2)††	47.41	35.02	2.97	45.06	34.06	3.35	42.65	33.08	3.74	40.14	32.06	4.14	37.49	30.98	4.57	34.68	29.83	5.05
	62 (16.7)	51.23	36.58	2.86	48.66	35.60	3.27	46.00	34.60	3.68	43.25	33.56	4.11	40.37	32.48	4.56	37.31	31.33	5.04
	57 (13.9)	56.55	29.30	2.70	53.65	28.30	3.14	50.66	27.28	3.59	47.58	26.24	4.04	44.35	25.17	4.52	40.94	24.04	5.03
1800	72 (22.2)	48.44	48.44	3.01	46.42	46.42	3.39	44.30	44.30	3.78	42.07	42.07	4.19	39.68	39.68	4.63	37.09	37.09	5.12
	67 (19.4)	48.50	48.50	3.01	46.48	46.48	3.39	44.35	44.35	3.78	42.11	42.11	4.19	39.72	39.72	4.63	37.13	37.13	5.12
	63 (17.2)††	48.09	37.06	3.02	45.64	36.07	3.41	43.15	35.05	3.80	40.56	33.99	4.21	37.85	32.87	4.65	35.01	31.63	5.12
	62 (16.7)	51.92	38.78	2.91	49.24	37.77	3.32	46.51	36.74	3.74	43.67	35.67	4.17	40.72	34.54	4.63	37.63	33.32	5.12
	57 (13.9)	57.26	30.65	2.74	54.24	29.63	3.19	51.16	28.60	3.64	47.97	27.53	4.11	44.65	26.44	4.59	41.16	25.30	5.10

See notes on page 7

DETAILED COOLING CAPACITIES (CONTINUED)

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)											
		75 (23.9)		85 (29.4)		95 (35)		105 (40.6)		115 (46.1)		125 (51.7)	
CFM	EWB °F (°C)	Capacity MBtuh	Total System KW**	Capacity MBtuh	Total System KW**	Capacity MBtuh	Total System KW**	Capacity MBtuh	Total System KW**	Capacity MBtuh	Total System KW**	Capacity MBtuh	Total System KW**
WCA6604GKB Outdoor Section With WLN6C14DA* Indoor Section													
1500	72 (22.2)	68.30	33.55	3.65	65.09	32.34	4.03	61.73	31.13	4.45	58.17	29.87	4.93
	67 (19.4)	62.29	40.83	3.63	59.44	39.67	4.00	56.43	38.48	4.43	53.20	37.22	4.91
	63 (17.2)††	57.89	39.38	3.61	55.33	38.26	3.99	52.55	37.08	4.41	49.46	35.76	4.88
	62 (16.7)	57.02	48.07	3.61	54.51	46.93	3.98	51.84	45.72	4.41	48.85	44.36	4.88
	57 (13.9)	54.94	54.94	3.60	52.94	52.94	3.98	50.79	50.79	4.40	48.36	48.36	4.88
1750	72 (22.2)	68.08	34.84	3.74	66.38	34.24	4.13	62.80	32.99	4.55	59.06	31.70	5.03
	67 (19.4)	63.70	43.91	3.73	60.67	42.72	4.10	57.50	41.50	4.53	54.09	40.20	5.01
	63 (17.2)††	59.27	42.26	3.71	56.53	41.11	4.09	53.61	39.89	4.51	50.48	38.60	4.99
	62 (16.7)	58.59	52.25	3.71	55.96	51.03	4.09	53.26	52.75	4.51	50.61	47.77	4.99
	57 (13.9)	57.65	57.65	3.71	55.46	55.46	4.08	53.11	53.11	4.51	50.53	47.73	4.99
2000	72 (22.2)	70.67	37.22	3.85	67.19	36.00	4.22	63.52	34.75	4.65	59.62	33.43	5.13
	67 (19.4)	64.66	46.91	3.83	61.54	45.62	4.20	58.23	44.37	4.63	54.73	43.04	5.10
	63 (17.2)††	60.27	45.00	3.81	57.39	43.79	4.19	54.36	42.55	4.61	51.12	41.23	5.09
	62 (16.7)	60.03	59.46	3.81	57.55	57.55	4.19	55.01	55.01	4.61	52.25	49.23	5.09
	57 (13.9)	59.85	59.85	3.81	57.47	57.47	4.19	54.94	54.94	4.61	52.18	49.18	5.09

† Total and sensible capacities are net capacities. Blower motor heat has been subtracted.

‡ Sensible capacities shown are based on 80°F (27°C) entering air at the indoor coil. For sensible capacities at other than 80°F (27°C), deduct 835 Btuh (245 kW) per 1000 CFM (480 L/S) of indoor coil air for each degree below 80°F (27°C), or add 835 Btuh (245 kW) per 1000 CFM (480 L/S) of indoor coil air per degree above 80°F (27°C).

Detailed cooling capacities are based on indoor and outdoor unit at the same elevation per AHRI standard 210/240-2008. If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.

** System kw is total of indoor and outdoor unit kilowatts.

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

NOTE: When the required data falls between the published data, interpolation may be performed. Extrapolation is not an acceptable practice.

EWB — Entering Wet Bulb

ACCESSORY USAGE GUIDELINE

Accessory	REQUIRED FOR LOW-AMBIENT APPLICATIONS {Below 55°F (13°C)}	REQUIRED FOR LONG-LINE APPLICATIONS*
Crankcase Heater	Yes	Yes
Evaporator Freeze Thermostat	Yes	No
Winter Start Control	Yes**	No
TXV	Yes	Yes‡
Hard Start Kit (Capacitor & Relay)	Yes	Yes
Low Ambient Kit (Pressure Switch)	Yes	No
Support Feet, 4" (102mm) tall	Recommended	No

* Refer to the Long Line Application Guideline document.

** Can only be installed in conjunction with the Low Pressure Switch

‡ TXV required beyond 20 ft (6.1m) vertical separation or 50 ft (15.2) total length.

ACCESSORIES

Part Number	Description	Used On Model Size
NASA001CH	Crankcase Heater for Scroll Compressor (208/230 V)	42 – 60
NASA003CH	Crankcase Heater for Scroll Compressor (208/230 V)	18 – 36
NASA001SC	Start Component – PTC Device	24 – 60
NASA00201FS	Evaporator Freeze Thermostat	ALL
NASA403PS	Low Pressure Switch, AC, R-410A	ALL
NASA404PS	High Pressure Switch, AC or HP, R-410A	ALL
NASA401LS	Liquid Line Solenoid Valve, R-410A	ALL
NASA001TD	Time Delay Relay, Indoor Blower	ALL
NASA00201WS	Winter Start Control	ALL
NASA001AC	Anti-Cycle Timer (5 minute delay)	ALL
NASA005SC	Hard Start Kit (Capacitor & Relay)	18 – 48
NASA012SC	Hard Start Kit (Capacitor & Relay)	60
NASA401LA	Low Ambient Kit (Pressure Switch), R-410A	ALL
NASA001SF	Support Feet, 4" (102mm) tall (5 blocks)	ALL
NASA001SJ	Sound Jacket, Compressor	18 – 48
NASA00101SJ	Sound Jacket, Compressor	60
NAEA40501TX	TXV Kit, R-410A for use with copper or tin fan coils	18 – 30
NAEA40601TX	TXV Kit, R-410A for use with copper or tin fan coils	36, 42
NAEA40701TX	TXV Kit, R-410A for use with copper or tin fan coils	48, 60
NAEB40501TX	TXV Kit, R-410A for use with aluminum fan coils	18 – 30
NAEB40601TX	TXV Kit, R-410A for use with aluminum fan coils	36, 42
NAEB40701TX	TXV Kit, R-410A for use with aluminum fan coils	48, 60