

EFFICIENT UP TO 17 SEER/11.7- 13.0 EER AIR CONDITIONER ENVIRONMENTALLY BALANCED R- 410A REFRIGERANT 1- 1/2 THRU 5 TONS SPLIT SYSTEM

208/230 Volt, 1-phase, 60 Hz
REFRIGERATION CIRCUIT

- Scroll compressors on all models
- Filter- Drier supplied with every unit for field installation
- 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

- 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) grille spacing for extra protection (hail guard)

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)
- * For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.



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.



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.

Model Number	Size (tons)	Nominal BTU/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions depth x width x height in. (mm)	Ship / Operating Weight lbs.(kg)
N4A618GKB	1- 1/2	18,000	11.7	20	25- 3/4 x 25- 3/4 x 35- 1/2 (654 x 654 x 901)	154/130 (70/59)
N4A624GKB	2	24,000	14.1	25	31- 3/16 x 31- 3/16 x 35- 1/2 (793 x 793 x 901)	175/144 (79/65)
N4A630GKB	2- 1/2	30,000	14.1	25	35 x 35 x 28- 11/16 (889 x 889 x 729)	208/178 (94/81)
N4A636GKB	3	36,000	17.9	30	35 x 35 x 28- 11/16 (889 x 889 x 729)	213/180(97/82)
N4A642GKB	3- 1/2	42,000	21.4	35	35 x 35 x 38- 7/8 (889 x 889 x 988)	261/224 (118/102)
N4A648GKB	4	48,000	25.9	40	35 x 35 x 45- 11/16 (889 x 889 x 1161)	284/247 (129/112)
N4A660GKB	5	60,000	32.4	50	35 x 35 x 45- 11/16 (889 x 889 x 1161)	289/252 (131/114)

OUTDOOR UNIT MODEL NUMBER IDENTIFICATION GUIDE											
Digit Position:	1	2	3	4	5, 6	7	8	9	10	11	12
Example Part Number:	N	4	A	6	18	G	K	B	1	0	0
T = Tempstar Mainline											
N = Tempstar Entry		BRANDING									
4 = R-410A		REFRIGERANT									
A = Air Conditioner											
H = Heat Pump			TYPE								
6 = 16 SEER			NOMINAL EFFICIENCY								
18 = 18,000 BTUH = 1- 1/2 tons											
24 = 24,000 BTUH = 2 tons											
30 = 30,000 BTUH = 2- 1/2 tons											
36 = 36,000 BTUH = 3 tons											
42 = 42,000 BTUH = 3- 1/2 tons											
48 = 48,000 BTUH = 4 tons											
60 = 60,000 BTUH = 5 tons											
NOMINAL CAPACITY											
A = Standard Grille											
G = Coil Guard Grille											
C = Coastal											
FEATURES											
K = 208/230- 1- 60											
H = 208/230- 3- 60											
L = 460- 3- 60											
S = 575- 3- 60											
VOLTAGE											
Sales Code											
Engineering Revision											
Extra Digit											
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	01	01	CH	
N = Non- Branded		BRANDING							
A = Accessory		PRODUCT GROUP							
S = Split System (AC & HP)			KIT USAGE						
A = Original									
B = 2nd Generation				MAJOR SERIES					
0 = Generic or Not Applicable									
4 = R-410A					REFRIGERANT				
Product Identifier Number									
Package Quantity									
Type of Kit (Example: CH = Crankcase Heater)									

PHYSICAL DATA

UNIT SIZE	18GKB	24GKB	30GKB	36GKB	42GKB	48GKB	60GKB
Compressor Type	Scroll						
REFRIGERANT	R- 410A						
Control	TXV (R- 410A Hard Shutoff)						
Charge lb (kg)	6.20 (2.81)	6.60 (2.99)	9.50 (4.31)	9.60 (4.35)	11.70 (5.31)	12.50 (5.67)	14.00 (6.35)
COND FAN	Propeller Type, Direct Drive						
Air Discharge	Vertical						
Air Qty (CFM)	1800	2250	2750	3500	3200	4250	4700
Motor HP	1/12	1/12	1/12	1/8	1/12	1/3	1/3
Motor RPM	1100	800	800	800	800	750	815
COND COIL							
Face Area (Sq ft)	14.75	19.40	17.60	17.60	25.12	30.15	30.15
Fins per In.	25	25	20	20	20	20	20
Rows	1	1	2	2	2	2	2
Circuits	4	5	6	6	8	10	12
VALVE CONNECT. (In. ID)							
Vapor	3/4"			7/8"			
Liquid	3/8"						
REFRIGERANT TUBES (In. OD)							
Rated Vapor*	3/4"			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.

ELECTRICAL DATA

UNIT SIZE - SERIES	V/PH	OPER VOLTS*		COMPR		FAN	MCA	MIN WIRE SIZE 60° C	MIN WIRE SIZE 75° C	MAX LENGTH FT (M)** 60° C	MAX LENGTH FT (M)** 75° C	MAX FUSE† or CKT BRK AMPS
		MAX	MIN	LRA	RLA	FLA						
18GKB	208/230/1 - 60	253	197	47.5	9.0	0.4	11.7	14	14	67 (21)	64 (20)	20
24GKB				62.9	10.9	0.5	14.1	14	14	56 (17)	53 (16)	25
30GKB				63.0	10.9	0.5	14.1	14	14	56 (17)	53 (16)	25
36GKB				79.0	13.6	0.9	17.9	14	14	44 (13)	42 (13)	30
42GKB				109.0	16.7	0.5	21.4	12	12	58 (18)	56 (17)	35
48GKB				124.0	18.5	2.8	25.9	10	10	77 (24)	73 (22)	40
60GKB				152.5	23.7	2.8	32.4	8	10	96 (29)	59 (18)	50

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

† Time - Delay fuse.

** Length shown is as measured one- way along wire path between unit and service panel for voltage drop not to exceed 2%.

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) WITHOUT SOUND SHIELD								
UNIT SIZE	STANDARD RATING	TYPICAL OCTAVE BAND SPECTRUM (without tone adjustment)						
		125	250	500	1000	2000	4000	8000
18GKB	73	66	66	67	71	64	59	54
24GKB	73	65	66	67	70	68	61	55
30GKB	74	75	72	66	72	63	61	60
36GKB	70	66	70	65	64	62	60	54
42GKB	71	73	66	68	67	63	61	56
48GKB	70	66	66	66	67	60	57	53
60GKB	73	66	67	68	72	64	60	57

A- WEIGHTED SOUND POWER (dBA) WITH ACCESSORY SOUND SHIELD								
UNIT SIZE	STANDARD RATING	TYPICAL OCTAVE BAND SPECTRUM (without tone adjustment)						
		125	250	500	1000	2000	4000	8000
18GKB	71	64	66	67	68	63	59	53
24GKB	72	65	6	67	69	65	60	53
30GKB	71	71	71	66	69	59	59	55
36GKB	69	67	71	65	64	60	57	50
42GKB	68	66	64	64	64	61	59	54
48GKB	68	67	65	67	65	59	55	50
60GKB	73	67	68	68	71	63	55	52

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

METERING DEVICE

UNIT SIZE - SERIES	INDOOOR	REQUIRED SUBCOOLING °F (°C)
18GKB	TXV*	8 (4.44)
24GKB		9 (5.00)
30GKB		11 (6.11)
36GKB		10 (5.56)
42GKB		13 (7.22)
48GKB		8 (4.44)
60GKB		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:

[(Lineset oz/ft x total length) – (factory charge for lineset)] = charge adjustment

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

Formula: (.27 oz/ft x 15ft) – (9 oz) = (-4.95) 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 oz/ft. x 45ft) – (9 oz.) = 9 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)
18000 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
24000 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
30000 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
36000 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
42000 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
48000 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
60000 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.

UNIT SIZE - SERIES	INDOOR MODEL	AHRI STANDARD RATINGS						FURNACE MODEL
		COOLING				EER		
		CAPACITY	FACTORY ENHANCE	SEER				
STANDARD	TDR			TXV				
N4A618GKB**	EA*4X19L17A*	18,000	TXV		14.5		12.2	
N4A624GKB**	EN(A,D)4X31L17**	23,800	TXV		15		12.5	
N4A630GKB**	EA*4X37L17A*	30,000	TXV		15		12.5	
N4A636GKB**	EA*4X37L21A*	35,400	TXV		15		12.5	
N4A642GKB**	EA*4X43L21A*	40,000	TXV		15		12.5	
N4A648GKB**	EA*4X60L24A*	46,500	TXV		15		12.5	
N4A660GKB**	EN(A,D)4X61L24**	57,500	TXV		15		12.5	

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.

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

Additional ratings and system combinations can be accessed via the Tempstar database:

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

Or scan this QR code:



DETAILED COOLING CAPACITIES#

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 Sys. KW**	Capacity MBtuh		Total Sys. KW**	Capacity MBtuh		Total Sys. KW**	Capacity MBtuh		Total Sys. KW**	Capacity MBtuh		Total Sys. KW**	
Total	Sens†			Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		
N4A618GKB Outdoor Section With EA*4X19L17A* Indoor Section																			
525	72 (22.2)	22.27	10.85	1.54	20.79	10.56	1.50	19.32	10.25	1.43	17.83	9.93	1.32	16.33	9.58	1.16	14.79	9.20	0.95
	67 (19.4)	20.34	13.38	1.55	18.95	13.09	1.51	17.57	12.78	1.43	16.20	12.46	1.32	14.81	12.11	1.16	13.37	11.73	0.95
	63 (17.2)††	18.92	12.89	1.57	17.61	12.59	1.51	16.31	12.27	1.43	15.00	11.93	1.32	13.69	11.57	1.16	12.34	11.18	0.95
	62 (16.7)	18.55	15.85	1.57	17.26	15.54	1.51	15.99	15.22	1.43	14.76	14.76	1.32	13.66	13.66	1.16	12.52	12.52	0.95
	57 (13.9)	18.03	18.03	1.57	16.92	16.92	1.52	15.83	15.83	1.43	14.75	14.75	1.32	13.63	13.63	1.16	12.50	12.50	0.95
	72 (22.2)	22.57	11.40	1.58	21.12	11.15	1.53	19.60	10.84	1.45	18.07	10.52	1.34	16.53	10.17	1.18	14.96	9.79	0.96
	67 (19.4)	20.70	14.33	1.59	19.28	14.04	1.54	17.86	13.73	1.46	16.44	13.43	1.34	15.01	13.07	1.18	13.55	12.66	0.96
	63 (17.2)††	19.30	13.79	1.60	17.95	13.47	1.54	16.60	13.15	1.46	15.25	12.83	1.34	13.90	12.45	1.18	12.52	12.06	0.96
	62 (16.7)	19.20	16.57	1.60	17.90	16.26	1.54	16.54	16.54	1.46	15.39	15.39	1.34	14.22	14.22	1.18	13.00	13.00	0.96
	57 (13.9)	18.83	18.83	1.60	17.67	17.67	1.55	16.51	16.51	1.46	15.35	15.35	1.34	14.19	14.19	1.18	12.98	12.98	0.96
72 (22.2)	22.76	11.79	1.60	21.29	11.53	1.55	19.74	11.23	1.47	18.18	10.90	1.35	16.62	10.55	1.19	14.98	10.16	0.97	
67 (19.4)	20.89	14.96	1.61	19.44	14.65	1.56	18.00	14.35	1.48	16.56	14.03	1.35	15.12	13.69	1.19	13.63	13.29	0.97	
63 (17.2)††	19.50	14.37	1.63	18.12	14.05	1.57	16.74	13.74	1.48	15.37	13.39	1.36	14.02	13.04	1.19	12.61	12.63	0.97	
62 (16.7)	19.39	17.54	1.62	18.11	18.11	1.57	16.93	16.93	1.48	15.73	15.73	1.36	14.52	14.52	1.19	13.27	13.27	0.97	
57 (13.9)	19.28	19.28	1.63	18.09	18.09	1.57	16.90	16.90	1.48	15.71	15.71	1.36	14.51	14.51	1.19	13.25	13.25	0.97	
72 (22.2)	22.83	11.98	1.61	21.35	11.72	1.56	19.79	11.42	1.48	18.23	11.09	1.36	16.65	10.74	1.20	15.00	10.35	0.97	
67 (19.4)	20.97	15.25	1.63	19.51	14.96	1.57	18.07	14.66	1.48	16.62	14.34	1.36	15.14	13.98	1.19	13.67	13.59	0.97	
63 (17.2)††	19.58	14.66	1.64	18.18	14.35	1.58	16.81	14.03	1.49	15.44	13.68	1.36	14.06	13.31	1.20	12.66	12.90	0.97	
62 (16.7)	19.52	19.52	1.64	18.32	18.32	1.58	17.09	17.09	1.49	15.89	15.89	1.36	14.67	14.67	1.19	13.39	13.39	0.97	
57 (13.9)	19.49	19.49	1.64	18.28	18.28	1.58	17.07	17.07	1.49	15.87	15.87	1.36	14.63	14.63	1.19	13.38	13.38	0.97	
N4A624GKB Outdoor Section With EN(A,D)4X31L17** Indoor Section																			
105 (40.6)																			
115 (46.1)																			
125 (51.7)																			
135 (57.2)																			
145 (63.9)																			
155 (70.6)																			
165 (77.2)																			
175 (83.9)																			
185 (90.6)																			
195 (97.2)																			
205 (103.9)																			
215 (110.6)																			
225 (117.2)																			
235 (123.9)																			
245 (130.6)																			
255 (137.2)																			
265 (143.9)																			
275 (150.6)																			
285 (157.2)																			
295 (163.9)																			
305 (170.6)																			
315 (177.2)																			
325 (183.9)																			
335 (190.6)																			
345 (197.2)																			
355 (203.9)																			
365 (210.6)																			
375 (217.2)																			
385 (223.9)																			
395 (230.6)																			
405 (237.2)																			
415 (243.9)																			
425 (250.6)																			
435 (257.2)																			
445 (263.9)																			
455 (270.6)																			
465 (277.2)																			
475 (283.9)																			
485 (290.6)																			
495 (297.2)																			
505 (303.9)																			
515 (310.6)																			
525 (317.2)																			
535 (323.9)																			
545 (330.6)																			
555 (337.2)																			
565 (343.9)																			
575 (350.6)																			
585 (357.2)																			
595 (363.9)																			
605 (370.6)																			
615 (377.2)																			
625 (383.9)																			
635 (390.6)																			
645 (397.2)																			
655 (403.9)																			
665 (410.6)																			
675 (417.2)																			
685 (423.9)																			
695 (430.6)																			
705 (437.2)																			
715 (443.9)																			
725 (450.6)																			
735 (457.2)																			
745 (463.9)																			
755 (470.6)																			
765 (477.2)																			
775 (483.9)																			
785 (490.6)																			
795 (497.2)																			
805 (503.9)																			
815 (510.6)																			
825 (517.2)																			
835 (523.9)																			
845 (530.6)																			
855 (537.2)																			
865 (543.9)																			
875 (550.6)																			
885 (557.2)																			
895 (563.9)																			
905 (570.6)																			
915 (577.2)																			
925 (583.9)																			
935 (590.6)																			
945 (597.2)																			
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975 (617.2)																			
985 (623.9)																			
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1045 (663.9)																			
1055 (670.6)																			
1065 (677.2)																			
1075 (683.9)																			
1085 (690.6)																			
1095 (697.2)																			
1105 (703.9)																			
1115 (710.6)																			
1125 (717.2)																			
1135 (723.9)																			
1145 (730.6)																			
1155 (737.2)																			
1165 (743.9)																			
1175 (750.6)																			
1185 (757.2)																			
1195 (763.9)																			
1205 (770.6)																			
1215 (777.2)																			
1225 (783.9)																			
1235 (790.6)																			
1245 (797.2)																			
1255 (803.9)																			
1265 (810.6)																			
1275 (817.2)																			
1285 (823.9)																			
1295 (830.6)																			
1305 (837.2)																			
1315 (843.9)																			
1325 (850.6)																			
1335 (857.2)																			
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1365 (877.2)																			
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1425 (917.2)																			
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1525 (983.9)																			
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1555 (1003.9)																			
1565 (1010.6)																			
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1585 (1023.9)																			
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1705 (1103.9)																			
1715 (1110.6)																			
1725 (1117.2)																			
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1815 (1177.2)																			
1825 (1183.9)																			
1835 (1190.6)																			
1845 (1197.2)																			
1855 (1203.9)																			
1865 (1210.6)																			
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1905 (1237.2)																			
1915 (1243.9)																			
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1975 (1283.9)																			
1985 (1290.6)																			
1995 (1297.2)																			
2005 (1303.9)																			
2015 (1310.6)																			
2025 (1317.2)																			
2035 (1323.9)																			
2045 (1330.6)																			
2055 (1337.2)																			
2065 (1343.9)																			
2075 (1350.6)																			
2085 (1357.2)																			
2095 (1363.9)																			
2105 (1370.6)																			
2115 (1377.2)																			

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 Sys. KW**	Sens†	Capacity MBtuh	Total Sys. KW**	Sens†	Capacity MBtuh	Total Sys. KW**	Sens†	Capacity MBtuh	Total Sys. KW**	Sens†	Capacity MBtuh	Total Sys. KW**	Sens†	Capacity MBtuh	Total Sys. KW**	Sens†
N4A630GKB Outdoor Section With EA*4X37L17A* Indoor Section																			
875	72 (22.2)	36.13	1.55	17.78	34.54	1.70	17.15	30.82	16.48	2.06	28.81	15.79	2.28	26.75	15.09	2.53			
	67 (19.4)	32.51	1.54	21.93	29.48	1.69	21.30	27.73	20.62	2.06	25.90	19.92	2.28	24.03	19.22	2.53			
	63 (17.2)††	29.97	1.54	20.99	27.21	1.69	20.37	25.58	19.69	2.06	23.87	18.99	2.28	22.12	18.28	2.54			
	62 (16.7)	29.39	1.54	25.97	28.76	1.69	26.57	25.40	25.40	2.06	24.04	24.04	2.28	22.62	22.62	2.54			
	57 (13.9)	28.72	1.54	27.76	27.76	1.69	26.62	25.35	25.35	2.06	24.00	24.00	2.28	22.58	22.58	2.54			
1000	72 (22.2)	36.85	1.59	18.82	35.19	1.74	18.17	31.29	17.49	2.10	29.20	16.79	2.32	27.06	16.08	2.57			
	67 (19.4)	33.17	1.58	23.55	31.69	1.73	22.90	28.19	22.22	2.10	26.29	21.50	2.32	24.36	20.78	2.57			
	63 (17.2)††	30.80	1.58	25.50	29.26	1.73	24.86	26.00	21.16	2.10	24.24	20.45	2.32	22.44	19.72	2.58			
	62 (16.7)	30.27	1.58	29.07	29.07	1.73	27.83	26.46	26.46	2.10	25.01	25.01	2.32	23.50	23.50	2.57			
	57 (13.9)	30.07	1.58	29.03	29.03	1.73	27.78	26.42	26.42	2.10	24.97	24.97	2.32	23.47	23.47	2.57			
1125	72 (22.2)	37.39	1.63	19.83	35.65	1.78	19.17	31.63	18.48	2.14	29.46	17.77	2.36	27.27	17.05	2.61			
	67 (19.4)	33.89	1.63	25.13	32.15	1.78	24.47	28.53	23.76	2.14	26.59	23.03	2.36	24.62	22.27	2.61			
	63 (17.2)††	31.08	1.62	29.68	29.68	1.77	28.07	26.33	22.59	2.14	24.53	21.85	2.36	22.71	21.07	2.62			
	62 (16.7)	31.28	1.62	30.14	30.14	1.77	28.81	27.36	27.36	2.14	25.82	25.82	2.36	24.23	24.23	2.61			
	57 (13.9)	31.23	1.62	30.09	30.09	1.77	28.77	27.32	27.32	2.14	25.79	25.79	2.36	24.20	24.20	2.61			

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 Sys. KW**	Sens†	Capacity MBtuh	Total Sys. KW**	Sens†	Capacity MBtuh	Total Sys. KW**	Sens†	Capacity MBtuh	Total Sys. KW**	Sens†	Capacity MBtuh	Total Sys. KW**	Sens†	Capacity MBtuh	Total Sys. KW**	Sens†
N4A636GKB Outdoor Section With EA*4X37L21A* Indoor Section																			
1050	72 (22.2)	42.48	2.26	21.73	40.52	2.52	21.02	38.36	20.26	2.78	36.04	19.45	3.07	33.61	18.62	3.41			
	67 (19.4)	38.58	2.26	26.77	36.81	2.52	26.07	34.84	25.30	2.77	32.74	24.48	3.05	30.52	23.63	3.38			
	63 (17.2)††	35.76	2.26	25.72	34.13	2.52	25.03	32.32	24.26	2.77	30.36	23.44	3.04	28.28	22.58	3.37			
	62 (16.7)	35.14	2.27	31.67	33.58	2.52	30.96	31.86	30.12	2.77	30.24	30.00	3.04	28.49	28.49	3.37			
	57 (13.9)	34.34	2.27	34.34	33.07	2.52	33.07	31.67	31.67	2.77	30.11	30.11	3.04	28.45	28.45	3.37			
1200	72 (22.2)	43.19	2.32	22.93	41.15	2.59	22.22	38.89	21.44	2.85	36.49	20.62	3.14	33.98	19.77	3.48			
	67 (19.4)	39.29	2.32	28.67	37.44	2.58	27.95	35.40	27.17	2.83	33.21	26.33	3.11	30.93	25.46	3.45			
	63 (17.2)††	36.45	2.32	27.49	34.75	2.58	26.78	32.86	26.00	2.83	30.82	25.15	3.10	28.68	24.28	3.43			
	62 (16.7)	36.03	2.32	35.71	34.55	2.58	34.55	33.01	33.01	2.83	31.35	31.35	3.11	29.56	29.56	3.44			
	57 (13.9)	35.86	2.32	35.86	34.50	2.58	34.50	32.97	32.97	2.83	31.30	31.30	3.10	29.52	29.52	3.44			
1350	72 (22.2)	43.72	2.38	24.08	41.60	2.65	23.35	39.27	22.57	2.91	36.80	21.74	3.20	34.22	20.88	3.54			
	67 (19.4)	39.83	2.38	30.51	37.92	2.64	29.78	35.81	29.98	2.89	33.57	28.12	3.18	31.23	27.22	3.51			
	63 (17.2)††	36.98	2.38	29.20	35.21	2.63	28.47	33.25	27.67	2.89	31.18	26.81	3.16	28.99	25.90	3.49			
	62 (16.7)	37.20	2.38	37.20	35.74	2.63	35.74	34.10	34.10	2.89	32.33	32.33	3.17	30.43	30.43	3.50			
	57 (13.9)	37.15	2.38	37.15	35.69	2.63	35.69	34.05	34.05	2.89	32.28	32.28	3.17	30.39	30.39	3.50			

See notes on page 10

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 Sys. KW**	Sens†	Capacity MBtuh	Total Sys. KW**	Sens†	Capacity MBtuh	Total Sys. KW**	Sens†	Capacity MBtuh	Total Sys. KW**	Sens†	Capacity MBtuh	Total Sys. KW**	Sens†	Capacity MBtuh	Total Sys. KW**	Sens†
N4A642GKB Outdoor Section With EA*4X43L21A* Indoor Section																			
1250	72 (22.2)	48.66	2.64	25.64	46.39	24.82	2.91	44.00	23.96	3.21	41.46	23.05	3.55	38.72	22.09	3.93	35.81	21.07	4.35
	67 (19.4)	44.17	2.63	31.65	42.15	30.84	2.90	40.00	29.98	3.20	37.72	29.08	3.54	35.27	28.12	3.92	32.63	27.09	4.34
	63 (17.2)††	40.95	2.62	30.40	39.10	29.59	2.89	37.12	28.74	3.19	35.02	27.85	3.53	32.75	26.89	3.90	30.33	25.88	4.33
	62 (16.7)	40.32	2.62	37.53	38.56	36.68	2.89	36.72	36.56	3.19	34.96	34.96	3.53	33.11	33.11	3.91	31.08	31.08	4.33
	57 (13.9)	39.60	2.62	39.60	38.15	38.15	2.89	36.60	36.60	3.19	34.91	34.91	3.53	33.06	33.06	3.91	31.04	31.04	4.33
1400	72 (22.2)	49.34	2.69	26.82	46.99	25.98	2.97	44.51	25.11	3.27	41.87	24.18	3.61	39.06	23.21	3.99	36.06	22.19	4.41
	67 (19.4)	44.84	2.69	33.54	42.74	32.71	2.96	40.52	31.84	3.26	38.16	30.91	3.60	35.64	29.93	3.98	32.94	28.88	4.40
	63 (17.2)††	41.60	2.68	32.15	39.67	31.33	2.95	37.63	30.46	3.25	35.45	29.54	3.59	33.12	28.57	3.96	30.64	27.52	4.38
	62 (16.7)	41.21	2.68	40.90	39.56	39.56	2.95	37.89	37.89	3.25	36.09	36.09	3.59	34.12	34.12	3.97	31.96	31.96	4.39
	57 (13.9)	41.05	2.68	41.05	39.50	39.50	2.95	37.84	37.84	3.25	36.04	36.04	3.59	34.07	34.07	3.97	31.92	31.92	4.39
1575	72 (22.2)	49.93	2.76	28.15	47.50	27.29	3.03	44.93	26.40	3.34	42.22	25.47	3.68	39.32	24.49	4.06	36.24	23.45	4.48
	67 (19.4)	45.43	2.76	35.67	43.27	34.82	3.02	40.97	33.92	3.33	38.54	32.97	3.67	35.96	31.95	4.05	33.21	30.84	4.47
	63 (17.2)††	42.17	2.75	34.12	40.18	33.28	3.02	38.07	32.38	3.32	35.83	31.44	3.66	33.45	30.42	4.03	30.92	29.29	4.45
	62 (16.7)	42.50	2.75	42.50	40.83	40.83	3.02	39.05	39.05	3.32	37.14	37.14	3.66	35.04	35.04	4.04	32.76	32.76	4.46
	57 (13.9)	42.44	2.75	42.44	40.78	40.78	3.02	39.00	39.00	3.32	37.09	37.09	3.66	35.00	35.00	4.04	32.73	32.73	4.46

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 Sys. KW**	Sens†	Capacity MBtuh	Total Sys. KW**	Sens†	Capacity MBtuh	Total Sys. KW**	Sens†	Capacity MBtuh	Total Sys. KW**	Sens†	Capacity MBtuh	Total Sys. KW**	Sens†	Capacity MBtuh	Total Sys. KW**	Sens†
N4A648GKB Outdoor Section With EA*4X60L24A* Indoor Section																			
1400	72 (22.2)	56.20	29.09	3.05	53.85	28.22	3.36	51.38	27.33	3.73	48.74	26.38	4.16	45.94	25.38	4.64	42.88	24.31	5.18
	67 (19.4)	50.90	35.67	3.05	48.75	34.80	3.36	46.50	33.90	3.72	44.10	32.95	4.14	41.51	31.93	4.62	38.72	30.84	5.16
	63 (17.2)††	47.13	34.26	3.05	45.13	33.39	3.35	43.04	32.48	3.71	40.79	31.53	4.13	38.38	30.50	4.60	35.77	29.40	5.14
	62 (16.7)	46.48	42.17	3.05	44.57	41.27	3.35	42.59	40.29	3.71	40.55	40.32	4.13	38.55	38.55	4.61	36.41	36.41	5.15
	57 (13.9)	45.42	45.42	3.05	43.87	43.87	3.35	42.22	42.22	3.71	40.44	40.44	4.13	38.50	38.50	4.60	36.36	36.36	5.14
1600	72 (22.2)	57.23	30.59	3.13	54.78	29.71	3.44	52.19	28.79	3.81	49.45	27.83	4.24	46.55	26.82	4.72	43.37	25.73	5.26
	67 (19.4)	51.84	38.05	3.13	49.61	37.17	3.44	47.27	36.25	3.80	44.77	35.27	4.22	42.11	34.23	4.70	39.22	33.10	5.24
	63 (17.2)††	48.01	36.47	3.13	45.94	35.58	3.43	43.76	34.65	3.79	41.43	33.67	4.21	38.94	32.62	4.69	36.25	31.48	5.22
	62 (16.7)	47.64	45.26	3.13	45.75	45.53	3.43	43.94	43.94	3.79	42.04	42.04	4.21	39.97	39.97	4.69	37.69	37.69	5.23
	57 (13.9)	47.32	47.32	3.13	45.66	45.66	3.43	43.88	43.88	3.79	41.98	41.98	4.21	39.91	39.91	4.69	37.64	37.64	5.23
1800	72 (22.2)	58.00	32.01	3.21	55.45	31.12	3.52	52.79	30.19	3.89	49.97	29.21	4.32	46.96	28.18	4.80	43.72	27.08	5.34
	67 (19.4)	52.57	40.33	3.21	50.26	39.42	3.52	47.84	38.48	3.88	45.29	37.48	4.30	42.56	36.40	4.78	39.63	35.23	5.32
	63 (17.2)††	48.70	38.57	3.20	46.55	37.66	3.51	44.31	36.71	3.87	41.92	35.70	4.29	39.37	34.61	4.77	36.65	33.42	5.30
	62 (16.7)	48.95	48.95	3.20	47.18	47.18	3.51	45.31	45.31	3.87	43.29	43.29	4.29	41.10	41.10	4.77	38.71	38.71	5.32
	57 (13.9)	48.88	48.88	3.20	47.12	47.12	3.51	45.25	45.25	3.87	43.24	43.24	4.29	41.05	41.05	4.77	38.67	38.67	5.32

See notes on page 10

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 Sys. KW**	Capacity MBtuh	Total Sys. KW**	Capacity MBtuh	Total Sys. KW**	Capacity MBtuh	Total Sys. KW**	Capacity MBtuh	Total Sys. KW**	Capacity MBtuh	Total Sys. KW**	Capacity MBtuh	Total Sys. KW**		
		Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total			
N4A60GKB Outdoor Section With EN(A,D)4X61L24** Indoor Section																			
	72 (22.2)	69.41	35.30	3.77	66.47	34.21	4.17	63.36	33.10	4.63	60.02	31.93	5.15	56.46	30.70	5.76	52.86	29.39	6.45
	67 (19.4)	63.02	43.41	3.75	60.34	42.33	4.15	57.50	41.22	4.60	54.45	40.04	5.13	51.20	38.80	5.72	47.71	37.46	6.42
	63 (17.2)††	58.37	41.67	3.74	55.88	40.61	4.13	53.24	39.50	4.58	50.41	38.32	5.10	47.36	37.06	5.70	44.07	35.71	6.39
	62 (16.7)	57.88	51.43	3.74	55.30	50.33	4.13	52.81	49.15	4.58	50.24	50.24	5.10	47.81	47.81	5.70	45.09	45.09	6.40
	57 (13.9)	56.54	56.54	3.73	54.57	54.57	4.13	52.40	52.40	4.59	50.18	50.18	5.10	47.73	47.73	5.70	45.02	45.02	6.40
	72 (22.2)	78.97	2.98	3.89	67.52	36.04	4.27	64.30	34.89	4.72	60.86	33.72	5.24	57.19	32.45	5.85	53.28	31.15	6.54
	67 (19.4)	64.15	46.32	3.85	61.36	45.22	4.25	58.41	44.09	4.70	55.29	42.91	5.21	51.92	41.63	5.82	48.32	40.24	6.51
	63 (17.2)††	59.46	44.38	3.83	56.87	43.29	4.23	54.14	42.17	4.67	51.21	40.96	5.19	48.03	39.65	5.80	44.66	38.26	6.49
	62 (16.7)	59.15	55.19	3.83	56.80	56.80	4.23	54.57	54.57	4.68	52.13	52.13	5.21	49.49	49.49	5.81	46.62	46.62	6.50
	57 (13.9)	58.84	58.84	3.83	56.75	56.75	4.23	54.53	54.53	4.67	52.09	52.09	5.20	49.44	49.44	5.80	46.57	46.57	6.50
	72 (22.2)	71.50	38.79	3.97	66.29	37.70	4.36	64.90	36.58	4.82	61.37	35.37	5.35	57.60	34.14	5.95	53.54	32.75	6.65
	67 (19.4)	65.00	49.13	3.94	62.17	48.03	4.34	59.11	46.82	4.80	56.25	45.82	5.32	52.43	44.26	5.92	48.83	42.87	6.61
	63 (17.2)††	60.27	46.94	3.93	57.60	45.84	4.32	57.65	34.72	4.77	51.74	43.45	5.30	48.56	42.08	5.90	45.14	40.64	6.59
	62 (16.7)	60.83	60.83	3.93	58.62	58.62	4.33	56.22	56.22	4.78	53.66	53.66	5.30	50.89	50.89	5.90	47.86	47.86	6.61
	57 (13.9)	60.76	60.76	3.93	58.53	58.53	4.33	56.15	56.15	4.78	53.59	53.59	5.30	50.82	50.82	5.91	47.81	47.81	6.60

† 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 db/63°F ewb). All other indoor air temperatures are at 80°F db.

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

EWB — Entering Wet Bulb

CONDENSER ONLY RATINGS

SST °F (°C)		CONDENSER ENTERING AIR TEMPERATURES °F (°C)							
		55 (12.8)	65 (18.3)	75 (23.9)	85 (29.4)	95 (35.0)	105 (40.6)	115 (46.1)	125 (51.7)
N4A618GKB*									
30 (- 1.1)	TCG	15.80	14.70	13.70	12.70	11.80	10.80	9.90	8.90
	SDT	66.60	76.00	85.40	94.90	104.40	113.80	123.30	132.80
	KW	0.80	0.89	1.00	1.11	1.25	1.41	1.59	1.80
35 (1.7)	TCG	17.50	16.30	15.20	14.20	13.10	12.10	11.10	10.00
	SDT	67.60	77.00	86.40	95.80	105.20	114.60	124.00	133.40
	KW	0.79	0.88	0.99	1.11	1.25	1.41	1.59	1.80
40 (4.4)	TCG	19.20	18.00	16.90	15.70	14.60	13.50	12.30	11.20
	SDT	68.60	78.00	87.40	96.80	106.10	115.50	124.80	134.10
	KW	0.78	0.87	0.98	1.11	1.24	1.40	1.59	1.79
45 (7.2)	TCG	21.10	19.80	18.60	17.40	16.10	14.90	13.70	12.40
	SDT	69.70	79.00	88.40	97.70	107.10	116.30	125.60	134.90
	KW	0.76	0.86	0.97	1.10	1.24	1.40	1.58	1.79
50 (10)	TCG	23.00	21.70	20.40	19.10	17.70	16.40	15.00	13.70
	SDT	70.80	80.10	89.40	98.70	108.00	117.30	126.50	135.70
	KW	0.75	0.85	0.97	1.10	1.24	1.40	1.58	1.79
55 (12.8)	TCG	25.00	23.60	22.20	20.80	19.40	18.00	16.50	15.00
	SDT	71.90	81.20	90.50	99.80	109.00	118.20	127.40	136.50
	KW	0.73	0.84	0.96	1.09	1.24	1.40	1.59	1.79
N4A624GKB*									
30 (- 1.1)	TCG	21.50	20.30	19.10	18.00	16.70	15.50	14.20	12.80
	SDT	67.20	76.70	86.20	95.70	105.20	114.70	124.10	133.50
	KW	1.01	1.14	1.29	1.46	1.65	1.88	2.13	2.41
35 (1.7)	TCG	23.80	22.50	21.20	19.90	18.60	17.20	15.80	14.20
	SDT	68.20	77.70	87.20	96.70	106.10	115.50	124.80	134.20
	KW	1.01	1.14	1.29	1.46	1.65	1.88	2.13	2.42
40 (4.4)	TCG	26.20	24.80	23.40	22.00	20.50	19.00	17.40	15.80
	SDT	69.40	78.80	88.20	97.60	107.00	116.40	125.70	134.90
	KW	1.00	1.13	1.28	1.46	1.65	1.88	2.13	2.42
45 (7.2)	TCG	28.80	27.30	25.80	24.20	22.60	21.00	19.20	17.40
	SDT	70.50	79.90	89.30	98.70	108.00	117.30	126.50	135.70
	KW	0.99	1.13	1.28	1.45	1.65	1.88	2.13	2.42
50 (10)	TCG	31.50	29.90	28.20	26.60	24.80	23.00	21.10	19.10
	SDT	71.80	81.10	90.40	99.70	109.00	118.20	127.40	136.50
	KW	0.98	1.12	1.27	1.45	1.65	1.87	2.13	2.41
55 (12.8)	TCG	34.40	32.70	30.80	29.00	27.10	25.10	23.00	20.90
	SDT	73.00	82.30	91.60	100.90	110.10	119.20	128.30	137.30
	KW	0.98	1.11	1.27	1.44	1.64	1.87	2.13	2.41
N4A630GKB*									
30 (- 1.1)	TCG	23.40	23.30	22.70	21.50	20.10	18.50	16.90	15.30
	SDT	65.20	75.30	85.20	94.80	104.40	113.80	123.30	132.70
	KW	1.27	1.44	1.62	1.81	2.03	2.28	2.57	2.90
35 (1.7)	TCG	26.20	26.00	25.20	23.90	22.30	20.60	18.80	17.10
	SDT	66.30	76.40	86.10	95.70	105.20	114.60	124.00	133.40
	KW	1.27	1.44	1.62	1.81	2.03	2.28	2.57	2.90
40 (4.4)	TCG	29.40	29.00	27.90	26.40	24.70	22.90	21.00	19.10
	SDT	67.50	77.50	87.20	96.70	106.20	115.50	124.90	134.20
	KW	1.27	1.44	1.61	1.81	2.03	2.28	2.57	2.90
45 (7.2)	TCG	32.90	32.20	30.90	29.20	27.40	25.30	23.30	21.20
	SDT	68.90	78.70	88.30	97.80	107.20	116.50	125.80	135.00
	KW	1.28	1.44	1.62	1.81	2.03	2.28	2.57	2.90
50 (10)	TCG	36.60	35.70	34.20	32.30	30.20	28.00	25.80	23.50
	SDT	70.30	80.10	89.60	99.00	108.30	117.50	126.70	135.90
	KW	1.28	1.45	1.62	1.81	2.03	2.28	2.57	2.90
55 (12.8)	TCG	40.70	39.50	37.70	35.60	33.30	30.90	28.50	26.10
	SDT	71.90	81.60	91.00	100.30	109.50	118.60	127.80	136.90
	KW	1.30	1.46	1.63	1.82	2.04	2.29	2.57	2.90
N4A636GKB*									
30 (- 1.1)	TCG	30.10	29.20	27.90	26.30	24.40	22.50	20.40	18.40
	SDT	65.80	75.60	85.30	94.90	104.30	113.80	123.20	132.60
	KW	1.32	1.66	1.93	2.18	2.41	2.68	3.00	3.41
35 (1.7)	TCG	33.40	32.40	30.90	29.10	27.10	25.00	22.80	20.60
	SDT	66.90	76.60	86.30	95.70	105.20	114.60	123.90	133.30
	KW	1.29	1.64	1.92	2.16	2.40	2.67	2.99	3.40
40 (4.4)	TCG	37.00	35.70	34.10	32.10	30.00	27.70	25.30	23.00
	SDT	68.00	77.70	87.30	96.70	106.10	115.40	124.70	134.00
	KW	1.27	1.62	1.90	2.15	2.39	2.67	2.99	3.40
45 (7.2)	TCG	40.80	39.30	37.50	35.30	33.00	30.50	28.00	25.50
	SDT	69.20	78.80	88.30	97.70	107.00	116.30	125.60	134.80
	KW	1.26	1.61	1.89	2.14	2.39	2.67	3.00	3.41
50 (10)	TCG	44.80	43.10	41.10	38.70	36.20	33.50	30.80	28.10
	SDT	70.50	80.00	89.50	98.80	108.00	117.20	126.40	135.60
	KW	1.25	1.60	1.88	2.14	2.39	2.67	3.01	3.42
55 (12.8)	TCG	49.10	47.20	44.90	42.30	39.60	36.70	33.80	30.90
	SDT	71.90	81.30	90.70	99.90	109.10	118.20	127.40	136.50
	KW	1.25	1.60	1.89	2.14	2.40	2.69	3.02	3.44

See notes on page 12

CONDENSER ONLY RATINGS CONTINUED

SST °F (°C)		CONDENSER ENTERING AIR TEMPERATURES °F (°C)							
		55 (12.8)	65 (18.3)	75 (23.9)	85 (29.4)	95 (35.0)	105 (40.6)	115 (46.1)	125 (51.7)
N4A642GKB*									
30 (- 1.1)	TCG	35.40	33.70	32.00	30.20	28.30	26.30	24.20	22.00
	SDT	68.90	78.40	87.80	97.30	106.70	116.00	125.40	134.60
	KW	1.69	1.90	2.14	2.39	2.68	3.01	3.37	3.77
35 (1.7)	TCG	39.00	37.10	35.20	33.20	31.20	29.00	26.70	24.30
	SDT	70.10	79.60	89.00	98.30	107.70	117.00	126.20	135.40
	KW	1.70	1.91	2.15	2.41	2.70	3.02	3.39	3.80
40 (4.4)	TCG	43.00	40.90	38.70	36.50	34.30	31.90	29.40	26.70
	SDT	71.50	80.80	90.20	99.50	108.80	118.00	127.20	136.30
	KW	1.71	1.92	2.16	2.42	2.71	3.04	3.41	3.82
45 (7.2)	TCG	47.20	44.90	42.50	40.10	37.60	35.00	32.20	29.30
	SDT	72.90	82.20	91.50	100.70	109.90	119.00	128.10	137.20
	KW	1.72	1.93	2.17	2.43	2.73	3.06	3.43	3.84
50 (10)	TCG	51.80	49.20	46.60	43.90	41.10	38.20	35.20	32.00
	SDT	74.50	83.70	92.80	102.00	111.10	120.20	129.20	138.10
	KW	1.73	1.94	2.18	2.44	2.74	3.08	3.45	3.86
55 (12.8)	TCG	56.70	53.80	50.90	48.00	44.90	41.70	38.40	34.90
	SDT	76.20	85.20	94.30	103.40	112.40	121.40	130.30	139.10
	KW	1.74	1.95	2.19	2.46	2.76	3.09	3.46	3.88
N4A648GKB*									
30 (- 1.1)	TCG	40.60	38.50	36.50	34.40	32.30	30.10	27.70	25.20
	SDT	67.80	77.30	86.90	96.50	106.10	115.70	125.20	134.80
	KW	2.30	2.52	2.79	3.12	3.50	3.94	4.45	5.02
35 (1.7)	TCG	44.70	42.50	40.20	38.00	35.70	33.30	30.70	28.00
	SDT	68.90	78.40	87.90	97.50	107.00	116.60	126.10	135.60
	KW	2.30	2.53	2.80	3.13	3.51	3.96	4.47	5.05
40 (4.4)	TCG	49.20	46.70	44.30	41.80	39.30	36.70	34.00	31.00
	SDT	70.10	79.60	89.10	98.60	108.00	117.50	127.00	136.40
	KW	2.30	2.53	2.81	3.14	3.53	3.98	4.50	5.08
45 (7.2)	TCG	53.90	51.30	48.60	46.00	43.30	40.40	37.40	34.30
	SDT	71.50	80.80	90.30	99.70	109.10	118.60	128.00	137.30
	KW	2.30	2.53	2.81	3.15	3.54	4.00	4.52	5.10
50 (10)	TCG	59.10	56.20	53.40	50.50	47.50	44.40	41.20	37.80
	SDT	72.90	82.20	91.60	100.90	110.30	119.70	129.00	138.30
	KW	2.29	2.53	2.82	3.16	3.56	4.02	4.55	5.13
55 (12.8)	TCG	64.70	61.60	58.50	55.30	52.10	48.70	45.30	41.60
	SDT	74.40	83.70	93.00	102.30	111.60	120.90	130.10	139.30
	KW	2.28	2.53	2.82	3.17	3.57	4.04	4.57	5.16
N4A660GKB*									
30 (- 1.1)	TCG	52.20	49.60	47.00	44.30	41.50	38.60	35.40	32.10
	SDT	70.60	80.00	89.60	99.20	108.80	118.50	128.20	137.80
	KW	2.68	3.02	3.39	3.81	4.29	4.84	5.48	6.20
35 (1.7)	TCG	57.50	54.70	51.80	49.00	45.90	42.70	39.30	35.80
	SDT	71.90	81.30	90.90	100.30	109.90	119.50	129.20	138.80
	KW	2.71	3.04	3.42	3.84	4.32	4.87	5.52	6.24
40 (4.4)	TCG	63.20	60.10	57.00	53.90	50.60	47.10	43.50	39.70
	SDT	73.40	82.70	92.10	101.60	111.20	120.70	130.20	139.80
	KW	2.74	3.07	3.44	3.87	4.36	4.92	5.55	6.28
45 (7.2)	TCG	69.40	66.00	62.60	59.20	55.60	51.90	47.90	43.90
	SDT	75.00	84.10	93.50	102.90	112.40	121.80	131.40	140.90
	KW	2.76	3.09	3.47	3.90	4.39	4.95	5.61	6.33
50 (10)	TCG	75.90	72.30	68.50	64.80	60.90	56.90	52.70	48.30
	SDT	76.60	85.70	95.10	104.40	113.70	123.10	132.60	141.90
	KW	2.78	3.12	3.50	3.93	4.42	4.99	5.65	6.38
55 (12.8)	TCG	82.90	79.00	75.00	70.90	66.70	62.30	57.80	53.10
	SDT	78.40	87.30	96.40	105.70	115.10	124.40	133.70	143.00
	KW	2.80	3.15	3.52	3.96	4.46	5.02	5.68	6.42

* AHRI listing applies only to systems shown in Combination Ratings table.

KW - Outdoor Unit Kilowatts Only.

SDT - Saturated Temperature Leaving Compressor (°F)

SST - Saturated Temperature Entering Compressor (°F/°C)

TCG - Gross Cooling Capacity (1000 Btuh)

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.

† If unit is equipped with an ECM OD motor, both motor and fan need to be replaced per unit accessory guide to work properly. Unit will **not** meet AHRI rated efficiency once motor and fan are replaced to use this accessory.

ACCESSORIES

Part Number	Description	Used On Model Size
NASA003CH	Crankcase Heater for Scroll Compressor (208/230 V)	18, 24, 30, 36
NASA001CH	Crankcase Heater for Scroll Compressor (208/230 V)	42
NASA001SC	Start Component - PTC Device	ALL
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
NASA012SC	Hard Start Kit (Capacitor & Relay)	ALL
NASA401LA	Low Ambient Kit (Pressure Switch), R- 410A	ALL
NASA00201SF	Support Feet, 4" (102mm) tall	ALL
NASA002SJ	Sound Blanket, Compressor	18, 24, 30, 36
NASA001SJ	Sound Blanket, Compressor	42, 48, 60
NAEA40501TX	TXV Kit, R- 410A - for use with copper or tin fan coils	18, 24, 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, 24, 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
1184959	Motor, Fan (low ambient applications)	48, 60
1185010	Fan, 26", 3 blade (low ambient applications)	48, 60

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