

BLOCK 852 LOT 1 QUALIFICATION CODE _____ ADDRESS (SITE) 1743 Rt 88 PERMIT NO. 08-2379



CONSTRUCTION PERMIT APPLICATION

Applicant Completes: Sections I, II, III (optional), IV, VI, and VII

I. IDENTIFICATION

1. Proposed Work Site at: 1743 Route 88

2. Name of Owner in Fee: LP & ART, LLC c/o CB LTB
Tel. (732) 780-7780 e-mail _____
Address P.O. Box 5008 Freehold, NJ 07728
street municipality zip code

3. Ownership in Fee: Public ☐ Private ☐

4. Principal Contractor: Jersey Awnings Home Improvement Tel. (732) 616-1917
Address 11 Dumore Ter Freehold, NJ e-mail _____

License No. OR, if new home, Builder Reg. No. _____ Exp. Date 1/09

Home Improvement Contractor Registration No. or Exemption Reason (if applicable): _____

Federal Emp. ID No. 41-2255988 FAX: (_____) _____

5. Architect or Engineer _____ Contact _____
Address _____ e-mail _____
Tel. (_____) _____ FAX: (_____) _____

6. Responsible Person in Charge once Work has Begun _____
Tel. (_____) _____ FAX: (_____) _____

V. FEE SUMMARY (for office use only)

		Update	Update
1. Building	\$ <u>85</u>		
2. Electrical	\$ <u>30</u>		
3. Plumbing	\$ <u>65</u>		
4. Fire Protection			
5. Elevator Devices			
6. Subtotal			
7. Less 20% for State Plan Review	\$ <u>11</u>		
8. Subtotal			
9. State Permit Surcharge Fee			
10. Subtotal			
11. Cert. of Occupancy			
12. Other			
13. TOTAL	\$ <u>211</u>		

VI. BUILDING/SITE CHARACTERISTICS

1. Number of Stories _____
2. Height of Structure _____ ft.
3. Area — Largest Floor _____ sq. ft.
4. New Building Area _____ sq. ft.
5. Volume of New Structure _____ cu. ft.
6. Max. Live Load _____
7. Max. Occupancy Load _____
8. If Industrialized Building: State Approved _____ HUD _____
9. Total Land Area Disturbed _____ sq. ft.
10. Flood Hazard Zone _____
11. Base Flood Elevation _____ ft.
12. Wetlands yes _____ no _____

(office use only)

COMMERCIAL

IIa. PROPOSED WORK

- ☐ Minor Work ☐ New Building ☐ Addition ☐ Demolition
- ☐ Repair ☐ Alteration ☐ Renovation ☐ Reconstruction
- ☐ Asbestos Abat. -Subch. 8 ☐ Lead Hazard Abatement ☐ Radon Remediation ☐ Annual Permit

IIb. SUBCODES

(Check all that apply)

- ☐ Building
- ☒ Electrical
- ☒ Plumbing
- ☒ Fire Protection
- ☐ Elevator

FOR OFFICE USE ONLY (Optional)

Est. Cost	Plans Rec'd by	Date Rec'd	Rejection Date	Approval Date	Re-viewer	Resubmission Dates Approval	Rejection	Re-viewer

TOTAL COST

VII. DESCRIPTION OF BUILDING USE

A. RESIDENTIAL (primary use)

1. State Specific Use: _____
2. Use Group, Proposed: _____
3. Change in Use Group, Indicate Present: _____
4. No. of dwelling units: Total Units Income-restricted
- Gained, Sale _____
- Gained, Rental _____
- Lost, Sale _____
- Lost, Rental _____

B. NON-RESIDENTIAL (primary use)

1. State Specific Use: _____
2. Use Group, Proposed: _____
3. Change in Use Group, Indicate Present: _____

C. MIXED USE -List secondary use(s):

- D. Construct. Classification: Present _____ Proposed _____

III. PLAN REVIEW (optional)

DO YOU WANT:

1. ☐ Partial Releases
2. ☐ Prototype Processing

IV. DOES OR WILL YOUR BUILDING CONTAIN ANY OF THE FOLLOWING?

1. ☐ Elevators/Escalators/Lifts/
Dumbwaiters/Moving Walks
2. ☐ High Pressure Boilers
3. ☐ Pressure Vessels
4. ☐ Refrigeration Systems
5. ☐ Cross-Connections/Backflow Preventers
6. ☐ Hazardous Uses/Places of Assembly
7. ☐ Sprinklers
8. ☐ Smoke Control Systems in Open Wells
9. ☐ Underground Storage Tanks
10. ☐ Swimming Pools, Spas and Hot Tubs
11. ☐ LPGas Tanks

CERTIFICATION IN LIEU OF OATH

I. OWNER SECTION (to be completed if the applicant is the owner in fee)

I hereby certify that I am the owner in fee of the property listed on Page 1.

Mark the following applicable boxes:

- A. ☐ I further certify that a new home (private residence) will be constructed on this property for my own use and occupancy. This dwelling is to be occupied by myself and is not to be used for any purpose other than single family residential use. I attest that all construction, plumbing, or electrical work will be done, in whole or in part, by me or by subcontractors under my supervision, in accordance with all applicable laws; and, I further acknowledge that said new home is not covered under the New Home Warranty and Builders Registration Act (N.J.S.A. 46:3B-1 et seq.) and that such fact shall be disclosed to any person purchasing this property within ten years of the date of issuance of a certificate of occupancy.

I UNDERSTAND THAT IN MARKING BOX A, I ACKNOWLEDGE THAT I AM ASSUMING RESPONSIBILITY FOR THE WORK DONE ON SAID PROPERTY, THE CONDITION OF THE PROPERTY PRIOR TO, DURING, AND AFTER ANY WORK PERFORMED, AND FOR THE PERFORMANCE OF THE SUBCONTRACTORS I HIRE, EMPLOY, OR OTHERWISE CONTRACT OR WITH WHOM I MAKE AGREEMENTS TO PERFORM WORK. I AM VOLUNTARILY AND KNOWINGLY ASSUMING THIS RESPONSIBILITY.

- B. ☐ I further certify the following as required by the New Jersey Uniform Construction Code, N.J.A.C. 5:23-2.15(e)1.ix:

I personally prepared the plans submitted for: 1) the new home referred to in A.; or, 2) an addition, alteration, renovation, or repair to an existing single family residence owned and occupied by myself and located on the property listed on Page 1; or, 3) a new structure that will be physically separate from, but that will be deemed part of, an existing single family residence that is owned and occupied by myself and located on the property listed on Page 1.

- C. ☐ I further certify that I will perform or supervise the following work:

C.1. ☐ Building C.2. ☐ Fire Protection

I further certify that I will perform the following work:

C.3. ☐ Electrical C.4. ☐ Plumbing

- D. ☐ I agree to advise all contractors on this project that they are required to be registered with the New Jersey Division of Taxation and to comply with all New Jersey tax laws.

I further certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(a)5: All required State, county, and local prior approvals have been given, including such certification as the construction official may require.

I understand that if any of the above statements are willfully false, I am subject to punishment.

Signature _____ Date _____

II. AGENT SECTION (to be completed if the applicant is not the owner in fee)

I hereby certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(d): the proposed work is authorized by the owner in fee; and I have been authorized by the owner in fee to make this application as his agent.

I further certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(a)5: All required State, county, and local prior approvals have been given, including such certification as the construction official may require.

I agree to advise all contractors on this project that they are required to be registered with the New Jersey Division of Taxation and to comply with all New Jersey tax laws.

I understand that if any of the above statements are willfully false, I am subject to punishment.

☒ Check if contractor.

Agent Name Sam DeCandia

Address 11 Dundee Terr

Freehold N.J. 07728

Telephone (732) 666-1917

Signature Sam DeCandia

III. ☐ LEAD HAZARD ABATEMENT: Include Homeowner or Building Owner Affidavit as per N.J.A.C. 5:17.



Brick Township
401 Chambersbridge Rd
Brick, NJ 08723

Date Issued 9/30/2014
Control Number C-08-003531
Permit Number 08-2379
Permit Issue Date 8/5/2008
Certificate Number 08-2379

Certificate

Construction Code Division
(Certificate of Approval)

Identification

Work Site Location: 1743 ROUTE 88 <LAUREL PLAZA? Brick Township, NJ Block: 852 Lot: 1 Qual: _____
Owner in Fee: LP & APTS, LLC%G B LTD
Owner Address: PO BOX 5008 FREEHOLD NJ 07728
Telephone: (732) 780-7780
Contractor: JERSEY ALL SHORE HTG
Address: 11 DUNDEE TERR FREEHOLD NJ 07778
Telephone: (732) 616-1917 Fax: _____
License Number or Builders Registration Number: 13VH04250700 Federal Emp. Number: 41-2255988

Home Warranty Number: _____

Type of Warranty Plan: ☐ State ☐ Private

Use Group: B Construction Classification: _____

Maximum Live Load: 0 Maximum Occupancy Load: 0

Description of Work/Use: HVAC

Certificate Comments:

☐ **Certificate of Occupancy**

This serves notice that said building or structure has been constructed in accordance with the New Jersey Uniform Construction Code and is approved for occupancy.

☒ **Certificate of Approval**

This serves notice that the work completed has been constructed or installed in accordance with the New Jersey Uniform Construction Code and is approved. If the permit was issued for minor work, this certificate was based upon what was visible at the time of inspection.

☐ **Certificate of Continued Occupancy**

This serves notice that based on a general inspection of the visible parts of the building there are no imminent hazards and the building is approved for continued occupancy.

☐ **Temporary Certificate of Compliance**

The following conditions must be met no later than or the owner will be subject to fine or order to vacate:
This certificate has an expiration date of:
Conditions to be met:

☐ **Certificate of Clearance - Lead Abatement 5:17**

This serves notice that based on written certification, lead abatement was performed as per NJAC5:17 to the following extent.

- ☐ Total removal of lead-based paint hazards in scope of work
☐ Partial or limited time period (years); see file

☐ **Certificate of Clearance - Asbestos Abatement**

This serves notice that based on written certification, asbestos abatement was performed to the following extent.

- ☐ Total removal of asbestos hazards in scope of work
☐ Partial or limited time period (years); see file

☐ **Certificate of Compliance**

This serves notice that said potentially hazardous equipment has been installed and/or maintained in accordance with the New Jersey Uniform Construction Code and is approved for use until

☐ **Temporary Certificate of Occupancy**

The following conditions must be met no later than: or the owner will be subject to fine or order to vacate:
This certificate has an expiration date of:
Conditions to be met:

Construction Official

Fee: \$0.00
Check Number: _____
Collected By: _____



FIRE PROTECTION SUBCODE TECHNICAL SECTION

LONGER



Date Received
Control #
Date Issued
Permit #

08-2379
8/5/08

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 852 Lot 1743 Cover 84 Qualification Code _____

Owner in Fee LO & ACT LLC 670 ECLYD
Address P.O. Box 5008
Freehold, NJ 07728

Tel (732) 780-7780
Contractor JEFFREY AL SUAREZ HEATING & CO INC

Address 11 Duane Street
Freehold NJ

Tel (732) 416-1917 FAX () _____

Fire Protection Equipment, NJ Div of Fire Safety Permit No. _____

Fire Protection Equipment, NJ Div of Fire Safety Installer No. _____

Federal Emp. No. 41-2255968

B. FIRE PROTECTION CHARACTERISTICS

Use Group: Present _____ Proposed _____ Fire Alarm System: [] New or [] Existing

Const. Class: Present _____ Proposed _____ Location of Panel: _____

Heating System: [] New or [] Existing [] HVAC Fire Suppression/Standpipe System: _____

Type: [] Gas [] Oil [] Electric [] Solar [] New or [] Existing

Location: 1200 B Location of Main Control Valve: _____

Fuel Storage Tank: _____

Fuel Type: [] Flammable or [] Combustible Capacity _____

Total Cost of Fire Protection Work \$ 2050

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent or) owner of record and am authorized to make this application. Jeffrey Al Suarez

Applicant's Signature/Contractor's Signature
[] Exempt Applicant

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK: INSTALL ROOF HEAT/COOL UNIT

Water Supply Source _____

Method of Alarm/Suppression System Supervision _____

Flammable/Combustible Tanks

Alarm Systems [] System

[] 110v Interconnected

[] CO Detectors/110v

Alarm Devices (i.e., smoke, heat, pulls, water/flow)

Supervisory Devices (i.e., tamper, low/high air)

Signaling Devices (i.e., horn/strobes, bells)

Other Devices _____

TOTAL

Suppression Systems

Fire Pump _____ GPM Type _____

Dry Pipe/Alarm Valves

Pre-action Valves

Sprinkler Heads (Dry and Wet)

Standpipes

Pre-engineered Systems

Wet Chemical

Dry Chemical

CO₂ Suppression

Foam Suppression

FM200 Suppression

Other _____

Other Systems

Kitchen Hood Exhaust System

Smoke Control System

Fired Appliances [] Gas or [] Oil

Fireplace Venting/Metal Chimney

Other _____

Administrative Surcharge \$

Minimum Fee \$

State Permit Surcharge Fee \$

TOTAL FEE \$

1 White = Inspector Copy

2 Canary = Office Copy

3 Pink = Office Copy

4 Gold = Applicant Copy

COMMERCIAL

COMMELOH



ELECTRICAL SUBCODE TECHNICAL SECTION



A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 852 Lot 1 Qualification Code 1000

Work Site Location 1743 RT 88

Owner in Fee: LP Apt LLC c/o GB JB

Tel. (732) 786-7780 e-mail

Address 90 BOX 5006 Freehold NJ 07728

Contractor: A11-Phase Electric INC Tel. (908) 486-6886

Address 1031 Pennwyl/Union Ave e-mail

Contractor License No. 97036 Exp. Date 2009

Home Improvement Contractor Registration No. or Exemption Reason (if applicable):

Federal Emp. ID No. 22-2605729 FAX: (908) 486-7447

B. ELECTRICAL CHARACTERISTICS

Use Group Present Proposed

[] Pole/Pad # [] Temporary [] Other

Building Occupied as Utility Co.

Est. Cost of Elec. Work \$ 1500.00

JOB SUMMARY (Office Use Only)

PLAN REVIEW

☒ No Plans Required

☐ Partial -Underslab Utilities Approved

Date: 7/30/08 Approved by: WJL

☐ Electric Plans Approved

Date: 7/30/08 Approved by: WJL

Joint Plan Review Required:

[] Bldg. [] Plumb. [] Fire. [] Elev.

SUBCODE APPROVAL for PERMIT

Date: 7/30/08 Approved by: WJL

SUBCODE APPROVAL for CERTIFICATE

[] CO [] CCO [] CA

Date: 8/26/08 Approved by: WJL

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application and perform the work listed on this application.

Applicant's Signature/Contractor's Seal and Signature

[] Licensed Elec. Contractor [] Certifd Landscape Irrigation Contr [] Exempt Applicant

Date Received Control #

08-2379

Date Issued Permit #

8/5/08

D. TECHNICAL SITEDATA

DESCRIPTION OF WORK
wiring of new Rooftop
H-VAC unit

QTY.	SIZE	ITEMS	FEE (Office Use Only)
1		Lighting Fixtures	
1	GFI	Receptacles	
1		Switches	
		Detectors	
		Light Poles	
		Motors—Fract. HP	
		Emergency & Exit Lights	
		Communications Points	
		Alarm Devices/F.A.C. Panel	
		TOTAL NUMBERS	
		Pool Permit/with UW Lights	
		Storable Pool/Spa/Hot Tub	
		KW Elec. Range/Receptacle	
		KW Oven/Surface Unit	
		KW Elec. Water Heater	
		KW Elec. Dryer/Receptacle	
		KW Dishwasher	
		HP Garbage Disposal	
1	5 Ton	KW Central A/C Unit	
		HP/KW Space Heater/Air Handler	
		KW Baseboard Heat	
		HP Motors 1/4 HP	
		KW Transformer/Generator	
		AMP Service	
		AMP Subpanels	
		AMP Motor Control Center	
		KW Elec. Sign/Outline Light	

Administrative Surcharge \$

Minimum Fee \$

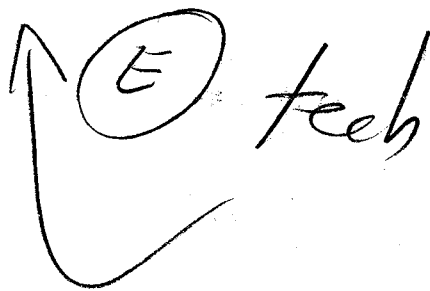
State Permit Surcharge Fee \$

TOTAL FEE \$

COMMERCIAL

8-18 of Lockers

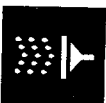
NO RAMP ACCESS





PLUMBING SUBCODE TECHNICAL SECTION

Local 1342A



08-2379
8/5/08

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 852 Lot 1 Qualification Code 1743 ROVER 88

Owner in Fee LD & A&T, LLC c/o CB LTB

Address P.O. Box 5008
Fairfield NJ 07024

Tel (732) 780-7780

Contractor Jessy All Subcode HTG & A/C CO. LLC
Fairfield NJ

Fax (732) 661-1917 FAX (732) 661-2507

Contractor License No. Commercial

Federal Emp. No. 41-2255988

Use Group Present Gas Line Alexander Trestro From Peirce Urn

Building Sewer Size Public Sewer Private Septic Private Well

Water Service Size Public Water Private Well Private Well

Est. Cost of Plumbing Work \$4,200.00

B. PLUMBING CHARACTERISTICS

PLAN REVIEW (Office Use Only)

Joint Plan Review Required: ☐ No Plans Required

Joint Plan Review Required: ☐ Building ☐ Electric ☐ Fire ☐ Elevator

Date: 2/20/07 Plumbing Plans Approved

Approved by: [Signature]

SUBCODE APPROVAL

Date: 8-26-08 CO 1 CC 1 CA 1 Solar TCO

D. TECHNICAL SITE DATA (List of all fixtures.)

NO. 1

Fixture/Equipment

Water Closet

Urinal/Bidet

Bath Tub

Lavatory

Shower

Floor Drain

Sink

Dishwasher

Drinking Fountain

Washing Machine

Hose Bibb

Water Heater

Fuel Oil Piping

Gas Piping Existing

LP Gas Tank

Steam Boiler

Hot Water Boiler

Sewer Pump

Interceptor/Separator

Backflow Preventer

Greasetrap

Sewer Connection

Water Service Connection

Stacks

Other Forces on Deck

Other 4 Val Doors to Urn

Administrative Surcharge \$

Minimum Fee \$

State Permit Surcharge Fee \$

TOTAL FEE \$

COMMERCIAL

Date Received
Control #
Date Issued
Permit #

FEE (Office Use Only)
\$

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application and perform the work listed on this application.

Applicant's Signature/Contractor's Seal and Signature

☐ Licensed Plumbing Contractor ☒ Exempt Applicant

CONNECTION



CONSTRUCTION PERMIT

Date Issued 8/5/2008
Control # C-08-003531
Permit # 08-2379

IDENTIFICATION Block: 852 Lot: 1 Qualifier _____
Work Site Location: 1743 ROUTE 88 <LAUREL PLAZA? Brick Contractor JERSEY ALL SHORE HTG
Township, NJ Address 11 DUNDEE TERR FREEHOLD NJ 07778
Owner in Fee LP & APTS, LLC%G B LTD
PO BOX 5008 FREEHOLD NJ 07728 Telephone: (732) 616-1917
Telephone: (732) 780-7780 Lic. No. or Bldrs. Reg. No. _____
Federal Employee. No. 41-2255988

Is hereby granted permission to perform the following work:

- | | | |
|--|--|--|
| ☐ BUILDING | ☒ PLUMBING | ☐ LEAD HAZARD ABATEMENT |
| ☒ ELECTRICAL | ☒ FIRE PROTECTION | ☐ DEMOLITION |
| ☐ ELEVATOR DEVICES | ☐ ASBESTOS ABATEMENT
(Subchapter 8 only) | ☐ OTHER |

DESCRIPTION OF WORK:

HVAC

Note: If construction does not commence within one (1) year of date of issuance, or if construction ceases for a period of six (6) months, this permit is void.

Estimated Cost of Work \$7,700

PAYMENTS (Office Use Only)

Building	\$0
Electrical	\$85
Plumbing	\$50
Fire Protection	\$65
Elevator Devices	\$0
Other	\$0.00
DCA Training Fee	\$11
CO Fee	
Other	\$0
Total	\$211
Check No.	1080
Cash	\$0
Credit	\$0
Collected By	Inspection Account

Construction Official _____

Date _____

U.C.C. F170
equiv (rev 8/03)

1 WHITE - INSPECTOR

2 CANARY - OFFICE

3 PINK - TAX ASSESSOR

4 GOLD - APPLICANT

REQUIRED INSPECTIONS

Construction work must be inspected in accordance with the State Uniform Construction Code Regulations N.J.A.C. 5:23-2.18. This agency will carry out such periodic inspections during the progress of work as are necessary to insure that the work installed conforms with the requirements of the Uniform Construction Code.

The owner or other responsible person in charge of work must notify this agency when work is ready for any required inspections specified below. Requests for inspections must be made at least 24 hours prior to the time the inspection is desired. Inspections will be performed within three business days of the time for which they are requested. The work must not proceed in a manner which will preclude the inspection until it has been made and approval granted.

☐ Required inspections for all subcodes for one- and two-family dwellings are as follows:

1. The bottom of footing trenches before placement of footings, except that in cases of pile foundations, inspections shall be made in accordance with the requirements of the building subcode.
2. Foundations and all walls up to grade level prior to back filling.
3. All structural framing, connections, wall and roof sheathing and insulation; electrical rough wiring, panel and service installation; rough plumbing. The framing inspection shall take place after the rough electrical and plumbing inspections and after the installation of the heating, ventilation and /or air conditioning duct system. The insulation inspection shall be performed after all other subcode rough inspections and prior to the installation of any interior finish material.
4. Installation of all finished materials, sealings of exterior joints, plumbing piping, trim and fixtures; electrical wiring, devices and fixtures; mechanical systems equipment.

Additional required inspections for all subcodes of construction, for other than one- and two-family dwellings, are fire suppression systems, heat producing devices and Barrier Free subcode accessibility, if applicable.

☐ Required special inspections. The applicant by accepting the permit will be deemed to have consented to these requirements:

☐ A final inspection is required for each applicable subcode area before a final Certificate of Occupancy or Approval may be issued. The final inspections include the installation of all interior and exterior finish materials, sealing of exterior joints, mechanical system and other required equipment; electrical wiring, devices and fixtures; plumbing pipes, trim and fixtures; tests required by any provision of the adopted subcodes, Barrier Free accessibility, if applicable; and verification of compliance with NJAC 5:23-3.5, "Posting structures".

☐ A complete copy of released plans must be kept on the job site.

If you do not understand any of this information, please ask.



BEFORE PURCHASING THIS APPLIANCE, READ IMPORTANT ENERGY COST AND EFFICIENCY INFORMATION AVAILABLE FROM YOUR RETAILER.

GENERAL TERMS OF LIMITED WARRANTY*

Rheem will furnish a replacement for any part of this product which fails in normal use and service within the applicable periods stated, in accordance with the terms of the limited warranty.

Heat Exchanger Ten (10) Years
Condenser Coil and Evaporator Coil leaks
caused by factory defects (3-5 ton models) Five (5) Years

Condenser Coil and Evaporator Coil leaks
caused by factory defects (6 & 7.5 ton models). One (1) Year
Compressor Five (5) Years
For Complete Details of the Limited Warranty, including Applicable
Terms and Conditions, See Your Local Installer or Contact the
Manufacturer for a Copy.

Before proceeding with installation, refer
to installation instructions packaged
with each model, as well as complying
with all Federal, State, Provincial, and
Local codes, regulations, and practices.

**RHEEM
AIR CONDITIONING
DIVISION**

5600 Old Greenwood Road, Fort Smith, Arkansas 72908



Requested by
ANNA @ ACME

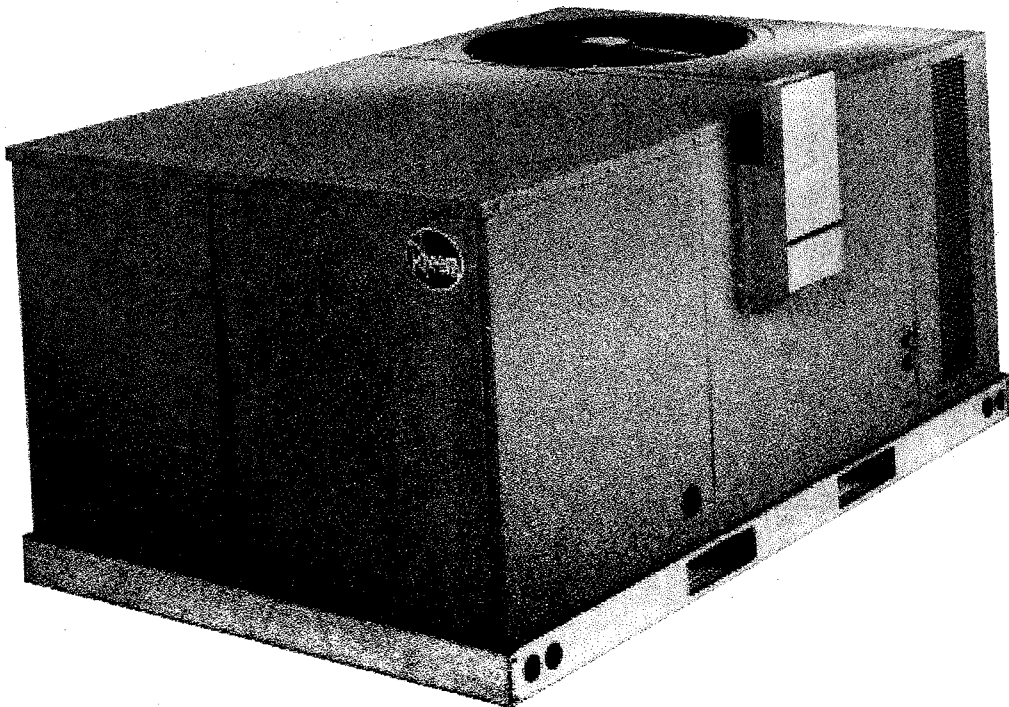


PACKAGE GAS / ELECTRIC ROOFTOP UNITS

FORM NO. R11-835 REV. 2
Supersedes Form No. R11-835 Rev. 1

RKKA- STANDARD EFFICIENCY SERIES
NOMINAL SIZES 3-7.5 TONS [10.6-26.4 kW]

RKMA- HIGH EFFICIENCY SERIES
NOMINAL SIZES 3-6 TONS [10.6-21.1 kW]

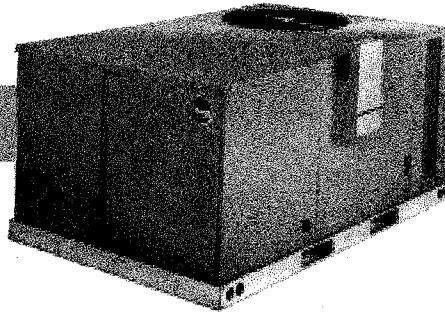


3-5 TON MODELS



6-7.5 TON MODELS

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ENGINEERING FEATURES

RKKA/RKMA- Series Gas Heat / Electric Cooling Units

1. All models feature Copeland® Scroll® compressors offering maximum reliability, efficiency, and quiet operation. The 6 and 7.5 ton [10.6 & 26.4 kW] model features two-stage cooling.
2. Aluminized steel heat exchanger with in-shot burners helps eliminate corrosion. Stainless steel heat exchangers optional.
3. Integrated blower/burner control board with built-in diagnostic capability permits on-site trouble shooting.
4. One-piece top over the indoor section with drip lip, drawn painted base pan, and 1" [25.4 mm] raised flanges for supply/return air connections provides superior water management.
5. Convertible horizontal and vertical airflow design allows maximum field flexibility and minimizes inventory requirements.
6. Standard full perimeter forkable 14 gauge baserail with lifting holes for easier maneuvering and installations.
7. Factory installed one-inch [25.4 mm] throw away filter with provisions for two-inch [50.8 mm] filter and two-inch [50.8 mm] filters for 7.5 ton [26.4 kW] models.
8. Direct or belt drive options to accommodate a wide range of design conditions as high as 1.5 inches [.37 kPa] of external static pressure. 6 & 7.5 ton [10.6 & 26.4 kW] models available with belt drive only.
9. Easily removable filter, blower, gas heat, and compressor/control access panels permits prompt service.
10. Number and color coded wiring helps facilitate service and maintenance.
11. Common cabinet and components allows for installation flexibility and fewer parts to inventory.
12. Standard freezestat control offers evaporator coil freeze protection. (Optional for 7.5 ton [26.4 kW] models).
13. Standard high and low pressure controls on high efficiency models and a factory or field installed option on standard efficiency models.
14. Externally mounted refrigerant gauge ports for easy service diagnostics.
15. Side and base electric power and gas connection entry helps minimize roof penetrations.
16. Quick assembly common roof curbs helps save field labor and maximize size flexibility.
17. Easy to install, plug-in, slip-in, 100% fully modulating economizers.
18. Quality powder paint finish offers long lasting protection against extreme weather conditions and is able to withstand 1000 HR salt spray test.

These quality features are included in the Rheem Gas Heat / Electric Cooling Package Unit

Evaporator Coil/Filter Access

- Return air filters, normally provided, are removed in this photo.



- Non-corrosive plastic condensate pan



Tubular Heat Exchanger

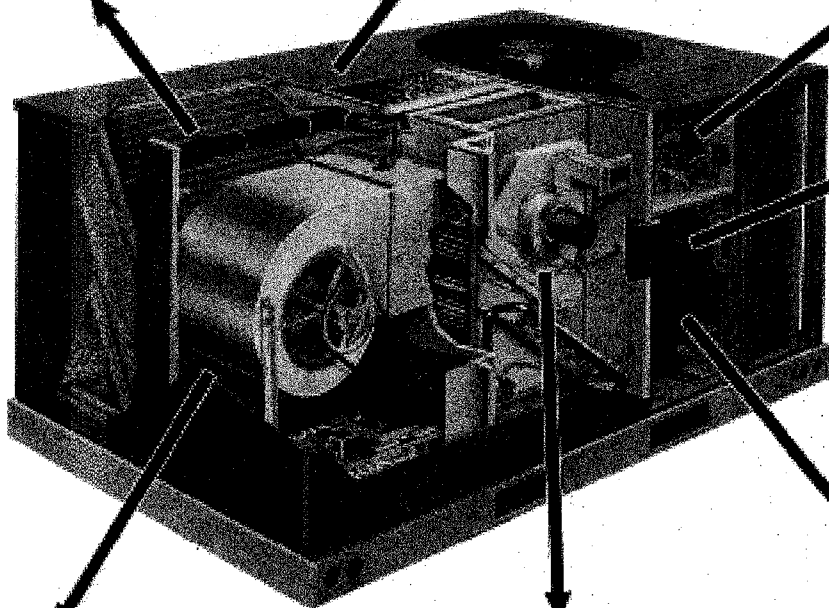
- Aluminized steel (viewed from supply air side panel.)
- Stainless steel available

Control Box Access



Compressor Access

(3 to 6 Ton [10.6 to 21.1 kW] Models)



Compressor Access

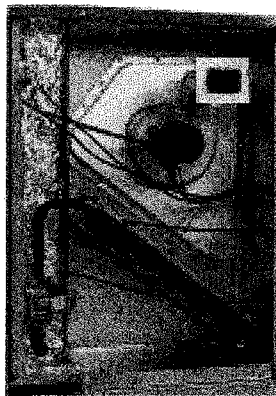
(7.5 Ton [26.4 kW] Models)

- Dual compressors (available in 6 and 7.5 ton [10.6 and 26.4 kW] models only) provide two-stage cooling.



Blower Access

- Belt drive model shown. (Available on 3-phase models only.)



Heating Compartment Access

[] Designates Metric Conversions



SELECTION PROCEDURE EXAMPLE—RKKA/RKMA- SERIES

1. Determine cooling and heating requirements at design conditions.

Example:

Total cooling capacity	43,600 BTUH [12.78 kW]
Sensible cooling capacity	34,000 BTUH [9.96 kW]
Heating capacity	96,000 BTUH [28.13 kW]
Condenser entering air	95°F [35°C]
Evaporator entering air	63°F [17°C] wb/76°F [24°C] db
Indoor air flow	1600 CFM [755 L/s]
External static pressure	1.1 in wg
Required efficiency	12 SEER

2. Select unit to meet cooling requirements.

Since total cooling is within the range of 4 ton [14.07 kW] unit and requires 12 SEER efficiency level, enter cooling performance from the RKKA-A048 at 95°F [35°C] outdoor temperature, 63°F [17°C] wb entering indoor air, and 1600 CFM [755 L/s]:

Total capacity	46,600 BTUH [13.66 kW]
Power input	4.2 kW

And also, at 76°F [24°C] db indoor entering air, and using the formula at the bottom of the table:

Sensible capacity	36,646 BTUH [10.74 kW]
-------------------	------------------------

3. Select heating capacity of the unit.

In the general data tables, note that the heating capacity of the 4 ton [14.07 kW] model with the 135,000 input heater can deliver 106,500 BTUH [31.21 kW], which is suitable for this application.

4. Determine blower speed and power to meet the system requirements.

At the given external static pressure of 1.1 in wg, the belt model must be selected. Enter the belt drive blower performance data at 1600 CFM [755 L/s] and 1.1 in wg ESP:

RPM	1195
Watts	755
Drive	M

5. Calculate indoor blower BTUH heat effect.

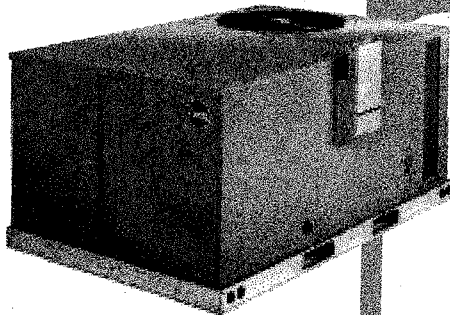
$$\text{BTUH} = \text{Watts} \times 3.413 = 2577$$

6. Calculate net cooling capacities.

$$\begin{aligned}\text{Net total cooling} &= 46,600 - 2577 = 44,023 \text{ BTUH [12.90 kW]} \\ \text{Net sensible cooling} &= 36,646 - 2577 = 34,069 \text{ BTUH [9.98 kW]}\end{aligned}$$

[] Designates Metric Conversions

MODEL IDENTIFICATION—RKKA/RKMA- SERIES



R K K A — A 036 J K 08 E X X X

Economizer Option (See Next Page)

Factory Installed Options
(See Next Page)

Ignition System
E = Electric Ignition,
1 Stage Gas Valve, NOx

X = Electric Ignition,
1 Stage Gas Valve

T = Electric Ignition, Two-Stage
Gas Valve (A085 Only)

Heating Capacity (MBH)

08 = 80,000 [23.5]

10 = 100,000 [29.3]

12 = 120,000 [35.2]

13 = 135,000 [39.6]

Drive Package

K = Direct Drive

L = Belt Drive

M = Belt Drive—High Static

Electrical Designation

J = 208-230 V, 1 PH, 60 Hz

C = 208-230 V, 3 PH, 60 Hz

D = 460 V, 3 PH, 60 Hz

Y = 575 V, 3 PH, 60 Hz

Cooling Capacity (BTUH) [kW]

036 = 36,000 [10.56]

042 = 42,000 [12.31]

048 = 48,000 [14.07]

060 = 60,000 [17.58]

072 = 72,000 [21.10]

073 = 72,000 [21.10]

085 = 85,000 [24.91]

Future Technical Variations

Design Series

A = 1st Design

Efficiency Designation

K = Standard Efficiency (10 SEER)

ASHRAE 90.1-1989 Compliant

M = High Efficiency (12 SEER)

EnergyStar Compliant

Product Classification

K = Rooftop—Commercial

Tradebrand

R = Rheem Package Gas/Electric

[] Designates Metric Conversions

**FACTORY INSTALLED OPTION CODES FOR RKKA
(3-5 TON AND 7.5 TON) [10.6-17.6 kW and 26.4 kW]
(A036, A042, A048, A060, A085)**

Option Code	High and Low Pressure	Hail Guard	Low Ambient Time Delay	Unwired Convenience Outlet Unfused Service Disconnect	Stainless Steel Heat Exchanger	Side Flow	Reduced Height Baseraills
AA	No Options						
AC	X						
AD		X					
AE			X				
AH				X			
AJ					X		
AK						X	
AL							X
BB	X	X					
BE	X		X				
BF		X		X			
BG		X			X		
BH			X	X			
BS		X				X	
BU	X					X	
BV					X	X	
BX		X					X
CA	X	X			X		
CB	X	X	X				
CE	X	X				X	
CP	X	X					X
DA	X	X	X	X			
DB	X	X	X		X		
EB	X	X	X	X	X		

Example: RKKA-A060CL13E**XX**X (where **XX** is factory installed option)

Example: No Options

RKKA-A060CL13E

Example: No option with factory installed economizer

RKKA-A060CL13EAAB

Example: Options with high and low pressure and hailguard, no factory installed economizer

RKKA-A060CL13EBBA

Example: Options same as above with factory installed economizer

RKKA-A060CL13EBBB

OPTIONS—RKKA- SERIES



FACTORY INSTALLED OPTION CODES FOR RKKA (6 TON) [21.1 kW] (A073)

Option Code	Hail Guard	Low Ambient Time Delay	Unwired Convenience Outlet Unfused Service Disconnect	Stainless Steel Heat Exchanger	Side Flow	Reduced Height Baseraills
AA	No Options					
AD	x					
AE		x				
AH			x			
AJ				x		
AK					x	
AL						x
BC	x	x				
BF	x		x			
BG	x			x		
BH		x	x			
BS	x				x	
BV				x	x	
BX	x					x
CF	x	x	x			
CG	x	x		x		
DC	x	x	x	x		

Example: RKKA-A073CL13E~~XXX~~ (where ~~XX~~ is factory installed option)

Example: No Options

RKKA-A073CL13E

Example: No option with factory installed economizer

RKKA-A073CL13EAAB

Example: Options with hailguard, low ambient and time delay with no factory installed economizer

RKKA-A073CL13EBCA

Example: Options same as above with factory installed economizer

RKKA-A073CL13EBCB

**FACTORY INSTALLED OPTION CODES FOR RKMA (3-6 TON) [10.6-21.1 kW]
(A036, A042, A048, A060, A072)**

Option Code	Hall Guard	Low Ambient Time Delay	Unwired Convenience Outlet Unfused Service Disconnect	Stainless Steel Heat Exchanger	Side Flow
AA	No Options				
AD	X				
AE		X			
AH			X		
AJ				X	
AK					X
BC	X	X			
BF	X		X		
BG	X			X	
BH		X	X		
BS	X				X
BV				X	X
CF	X	X	X		
CG	X	X		X	
DC	X	X	X	X	

Example: RKMA-A060CL13E**XX** (where **XX** is factory installed option)

Example: No Options

RKMA-A060CL13E

Example: No option with factory installed economizer

RKMA-A060CL13EAAB

Example: Options with stainless steel heat exchanger and no factory installed economizer

RKMA-A060CL13EAJA

Example: Options same as above with factory installed economizer

RKMA-A060CL13EAJB

**ECONOMIZER SELECTION FOR RKKA & RKMA, RKMB & RKNB
(7.5 TO 15 TON) [26.4 TO 52.8 kW]**

	No Economizer	Single Enthalpy Economizer With Barometric Relief
A	X	
B		X

"x" indicates factory installed option.

GENERAL DATA—RKKA- SERIES



NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKKA- Series	A036CK08E	A036CK12E	A036CL08E	A036CL12E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	37,600 [11]	37,600 [11]	37,600 [11]	37,600 [11]
EER/SEER ²	9.4/10.2	9.4/10.2	9.4/10.2	9.4/10.2
Nominal CFM/ARI Rated CFM [L/s]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]
ARI Net Cooling Capacity Btu [kW]	36,000 [10.5]	36,000 [10.5]	36,000 [10.5]	36,000 [10.5]
Net Sensible Capacity Btu [kW]	26,500 [7.8]	26,500 [7.8]	26,500 [7.8]	26,500 [7.8]
Net Latent Capacity Btu [kW]	9500 [2.8]	9500 [2.8]	9500 [2.8]	9500 [2.8]
Net System Power kW	3.8	3.8	3.8	3.8
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	80,000 [23.4]	120,000 [35.2]	80,000 [23.4]	120,000 [35.2]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	64,800 [19]	97,200 [28.5]	64,800 [19]	97,200 [28.5]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	35-65 [19.4/36.1]	50-80 [27.8/44.4]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	6	4	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	78	78	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	11.04 [1.03]	11.04 [1.03]	11.04 [1.03]	11.04 [1.03]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	3 / 13 [5]	3 / 13 [5]	3 / 13 [5]	3 / 13 [5]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3600 [1699]	3600 [1699]	3600 [1699]	3600 [1699]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Direct/3	Direct/3	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	48	48	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	72 [2041]	72 [2041]	72 [2041]	72 [2041]
Weights				
Net Weight lbs. [kg]	513 [233]	522 [237]	513 [233]	522 [237]
Ship Weight lbs. [kg]	520 [236]	529 [240]	520 [236]	529 [240]

See Page 64 for Notes.

[] Designates Metric Conversions



GENERAL DATA—RKKA- SERIES

NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKKA- Series	A036CM08E	A036CM12E	A036DK08E	A036DK12E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	37,600 [11]	37,600 [11]	37,600 [11]	37,600 [11]
EER/SEER ²	9.4/10.2	9.4/10.2	9.4/10.2	9.4/10.2
Nominal CFM/ARI Rated CFM [L/s]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]
ARI Net Cooling Capacity Btu [kW]	36,000 [10.5]	36,000 [10.5]	36,000 [10.5]	36,000 [10.5]
Net Sensible Capacity Btu [kW]	26,500 [7.8]	26,500 [7.8]	26,500 [7.8]	26,500 [7.8]
Net Latent Capacity Btu [kW]	9500 [2.8]	9500 [2.8]	9500 [2.8]	9500 [2.8]
Net System Power kW	3.8	3.8	3.8	3.8
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	80,000 [23.4]	120,000 [35.2]	80,000 [23.4]	120,000 [35.2]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	64,800 [19]	97,200 [28.5]	64,800 [19]	97,200 [28.5]
Temperature Rise Range °F [°C]	35-65 [19.4/36.1]	50-80 [27.8/44.4]	35-65 [19.4/36.1]	50-80 [27.8/44.4]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	6	4	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	78	78	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	11.04 [1.03]	11.04 [1.03]	11.04 [1.03]	11.04 [1.03]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	3 / 13 [5]	3 / 13 [5]	3 / 13 [5]	3 / 13 [5]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3600 [1699]	3600 [1699]	3600 [1699]	3600 [1699]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	48	48
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	72 [2041]	72 [2041]	72 [2041]	72 [2041]
Weights				
Net Weight lbs. [kg]	513 [233]	513 [233]	513 [233]	522 [237]
Ship Weight lbs. [kg]	520 [236]	520 [236]	520 [236]	529 [240]

See Page 64 for Notes.

[] Designates Metric Conversions

GENERAL DATA—RKKA- SERIES



NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKKA- Series	A036DL08E	A036DL12E	A036DM08E	A036DM12E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	37,600 [11]	37,600 [11]	37,600 [11]	37,600 [11]
EER/SEER ²	9.4/10.2	9.4/10.2	9.4/10.2	9.4/10.2
Nominal CFM/ARI Rated CFM [L/s]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]
ARI Net Cooling Capacity Btu [kW]	36,000 [10.5]	36,000 [10.5]	36,000 [10.5]	36,000 [10.5]
Net Sensible Capacity Btu [kW]	26,500 [7.8]	26,500 [7.8]	26,500 [7.8]	26,500 [7.8]
Net Latent Capacity Btu [kW]	9500 [2.8]	9500 [2.8]	9500 [2.8]	9500 [2.8]
Net System Power kW	3.8	3.8	3.8	3.8
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	80,000 [23.4]	120,000 [35.2]	80,000 [23.4]	120,000 [35.2]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	64,800 [19]	97,200 [28.5]	64,800 [19]	97,200 [28.5]
Temperature Rise Range °F [°C]	35-65 [19.4/36.1]	50-80 [27.8/44.4]	35-65 [19.4/36.1]	50-80 [27.8/44.4]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	6	4	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	78	78	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	11.04 [1.03]	11.04 [1.03]	11.04 [1.03]	11.04 [1.03]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	3 / 13 [5]	3 / 13 [5]	3 / 13 [5]	3 / 13 [5]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3600 [1699]	3600 [1699]	3600 [1699]	3600 [1699]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	72 [2041]	72 [2041]	72 [2041]	72 [2041]
Weights				
Net Weight lbs. [kg]	513 [233]	522 [237]	513 [233]	513 [233]
Ship Weight lbs. [kg]	520 [236]	529 [240]	520 [236]	520 [236]

See Page 64 for Notes.

[] Designates Metric Conversions



GENERAL DATA—RKKA- SERIES

NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKKA- Series	A036JK08E	A036JK08X	A036JK12E	A036JK12X
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	37,600 [11]	37,600 [11]	37,600 [11]	37,600 [11]
EER/SEER ²	9.4/10.2	9.4/10.2	9.4/10.2	9.4/10.2
Nominal CFM/ARI Rated CFM [L/s]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]
ARI Net Cooling Capacity Btu [kW]	36,000 [10.5]	36,000 [10.5]	36,000 [10.5]	36,000 [10.5]
Net Sensible Capacity Btu [kW]	26,500 [7.8]	26,500 [7.8]	26,500 [7.8]	26,500 [7.8]
Net Latent Capacity Btu [kW]	9500 [2.8]	9500 [2.8]	9500 [2.8]	9500 [2.8]
Net System Power kW	3.8	3.8	3.8	3.8
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	80,000 [23.4]	80,000 [23.4]	120,000 [35.2]	120,000 [35.2]
Heating Output Btu [kW]	62,500 [18.3]	62,500 [18.3]	94,500 [27.7]	94,500 [27.7]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	50-80 [27.8/44.4]
AFUE %	80	80	80	80
Steady State Efficiency (%)	78.5	78.5	79	79
California Seasonal Eff. (%)	75.5	75.5	76.5	76.5
No. Burners	4	4	6	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	78	78	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	11.04 [1.03]	11.04 [1.03]	11.04 [1.03]	11.04 [1.03]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	3 / 13 [5]	3 / 13 [5]	3 / 13 [5]	3 / 13 [5]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3600 [1699]	3600 [1699]	3600 [1699]	3600 [1699]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Direct/3	Direct/3	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	48	48	48	48
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	72 [2041]	72 [2041]	72 [2041]	72 [2041]
Weights				
Net Weight lbs. [kg]	513 [233]	513 [233]	522 [237]	522 [237]
Ship Weight lbs. [kg]	520 [236]	520 [236]	529 [240]	529 [240]

See Page 64 for Notes.

[] Designates Metric Conversions

GENERAL DATA—RKKA- SERIES



NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKKA- Series	A036YL08E	A036YL12E	A036YM08E	A036YM12E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	37,600 [11]	37,600 [11]	37,600 [11]	37,600 [11]
EER/SEER ²	9.4/10.2	9.4/10.2	9.4/10.2	9.4/10.2
Nominal CFM/ARI Rated CFM [L/s]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]
ARI Net Cooling Capacity Btu [kW]	36,000 [10.5]	36,000 [10.5]	36,000 [10.5]	36,000 [10.5]
Net Sensible Capacity Btu [kW]	26,500 [7.8]	26,500 [7.8]	26,500 [7.8]	26,500 [7.8]
Net Latent Capacity Btu [kW]	9500 [2.8]	9500 [2.8]	9500 [2.8]	9500 [2.8]
Net System Power kW	3.8	3.8	3.8	3.8
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	80,000 [23.4]	120,000 [35.2]	80,000 [23.4]	120,000 [35.2]
Heating Output Btu [kW]	64,800 [19]	97,200 [28.5]	64,800 [19]	97,200 [28.5]
Temperature Rise Range °F [°C]	35-65 [19.4/36.1]	50-80 [27.8/44.4]	35-65 [19.4/36.1]	50-80 [27.8/44.4]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	6	4	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	78	78	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	11.04 [1.03]	11.04 [1.03]	11.04 [1.03]	11.04 [1.03]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	3 / 13 [5]	3 / 13 [5]	3 / 13 [5]	3 / 13 [5]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3600 [1699]	3600 [1699]	3600 [1699]	3600 [1699]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	72 [2041]	72 [2041]	72 [2041]	72 [2041]
Weights				
Net Weight lbs. [kg]	513 [233]	522 [237]	513 [233]	513 [233]
Ship Weight lbs. [kg]	520 [236]	529 [240]	520 [236]	520 [236]

See Page 64 for Notes.

[] Designates Metric Conversions



GENERAL DATA—RKKA- SERIES

NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKKA- Series	A042CK08E	A042CK12E	A042CL08E	A042CL12E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	44,000 [12.9]	44,000 [12.9]	44,000 [12.9]	44,000 [12.9]
EER/SEER ²	9.05/10	9.05/10	9.05/10	9.05/10
Nominal CFM/ARI Rated CFM [L/s]	1400/1400 [661/661]	1400/1400 [661/661]	1400/1400 [661/661]	1400/1400 [661/661]
ARI Net Cooling Capacity Btu [kW]	42,000 [12.3]	42,000 [12.3]	42,000 [12.3]	42,000 [12.3]
Net Sensible Capacity Btu [kW]	32,000 [9.4]	32,000 [9.4]	32,000 [9.4]	32,000 [9.4]
Net Latent Capacity Btu [kW]	10,000 [2.9]	10,000 [2.9]	10,000 [2.9]	10,000 [2.9]
Net System Power kW	4.6	4.6	4.6	4.6
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	80,000 [23.4]	120,000 [35.2]	80,000 [23.4]	120,000 [35.2]
Heating Output Btu [kW]	64,800 [19]	97,200 [28.5]	64,800 [19]	97,200 [28.5]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	30-60 [16.7/33.3]	50-80 [27.8/44.4]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	6	4	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	78	78	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	11.04 [1.03]	11.04 [1.03]	11.04 [1.03]	11.04 [1.03]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3600 [1699]	3600 [1699]	3600 [1699]	3600 [1699]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Direct/3	Direct/3	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	48	48	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	77 [2183]	77 [2183]	77 [2183]	77 [2183]
Weights				
Net Weight lbs. [kg]	529 [240]	538 [244]	529 [240]	538 [244]
Ship Weight lbs. [kg]	536 [243]	545 [247]	536 [243]	545 [247]

See Page 64 for Notes.

[] Designates Metric Conversions

GENERAL DATA—RKKA- SERIES



NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKKA- Series	A042CM08E	A042CM12E	A042DK08E	A042DK12E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	44,000 [12.9]	44,000 [12.9]	44,000 [12.9]	44,000 [12.9]
EER/SEER ²	9.05/10	9.05/10	9.05/10	9.05/10
Nominal CFM/ARI Rated CFM [L/s]	1400/1400 [661/661]	1400/1400 [661/661]	1400/1400 [661/661]	1400/1400 [661/661]
ARI Net Cooling Capacity Btu [kW]	42,000 [12.3]	42,000 [12.3]	42,000 [12.3]	42,000 [12.3]
Net Sensible Capacity Btu [kW]	32,000 [9.4]	32,000 [9.4]	32,000 [9.4]	32,000 [9.4]
Net Latent Capacity Btu [kW]	10,000 [2.9]	10,000 [2.9]	10,000 [2.9]	10,000 [2.9]
Net System Power kW	4.6	4.6	4.6	4.6
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	80,000 [23.4]	120,000 [35.2]	80,000 [23.4]	120,000 [35.2]
Heating Output Btu [kW]	64,800 [19]	97,200 [28.5]	64,800 [19]	97,200 [28.5]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	30-60 [16.7/33.3]	50-80 [27.8/44.4]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	6	4	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	78	78	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	11.04 [1.03]	11.04 [1.03]	11.04 [1.03]	11.04 [1.03]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3600 [1699]	3600 [1699]	3600 [1699]	3600 [1699]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	48	48
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	77 [2183]	77 [2183]	77 [2183]	77 [2183]
Weights				
Net Weight lbs. [kg]	529 [240]	529 [240]	529 [240]	538 [244]
Ship Weight lbs. [kg]	536 [243]	536 [243]	536 [243]	545 [247]

See Page 64 for Notes.

[] Designates Metric Conversions



GENERAL DATA—RKKA- SERIES

NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKKA- Series	A042DL08E	A042DL12E	A042DM08E	A042DM12E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	44,000 [12.9]	44,000 [12.9]	44,000 [12.9]	44,000 [12.9]
EER/SEER ²	9.05/10	9.05/10	9.05/10	9.05/10
Nominal CFM/ARI Rated CFM [L/s]	1400/1400 [661/661]	1400/1400 [661/661]	1400/1400 [661/661]	1400/1400 [661/661]
ARI Net Cooling Capacity Btu [kW]	42,000 [12.3]	42,000 [12.3]	42,000 [12.3]	42,000 [12.3]
Net Sensible Capacity Btu [kW]	32,000 [9.4]	32,000 [9.4]	32,000 [9.4]	32,000 [9.4]
Net Latent Capacity Btu [kW]	10,000 [2.9]	10,000 [2.9]	10,000 [2.9]	10,000 [2.9]
Net System Power kW	4.6	4.6	4.6	4.6
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	80,000 [23.4]	120,000 [35.2]	80,000 [23.4]	120,000 [35.2]
Heating Output Btu [kW]	64,800 [19]	97,200 [28.5]	64,800 [19]	97,200 [28.5]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	30-60 [16.7/33.3]	50-80 [27.8/44.4]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	6	4	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	78	78	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	11.04 [1.03]	11.04 [1.03]	11.04 [1.03]	11.04 [1.03]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3600 [1699]	3600 [1699]	3600 [1699]	3600 [1699]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	77 [2183]	77 [2183]	77 [2183]	77 [2183]
Weights				
Net Weight lbs. [kg]	529 [240]	538 [244]	529 [240]	529 [240]
Ship Weight lbs. [kg]	536 [243]	545 [247]	536 [243]	536 [243]

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[] Designates Metric Conversions

GENERAL DATA—RKKA- SERIES



NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKKA- Series	A042JK08E	A042JK08X	A042JK12E	A042JK12X
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	44,000 [12.9]	44,000 [12.9]	44,000 [12.9]	44,000 [12.9]
EER/SEER ²	9.05/10	9.05/10	9.05/10	9.05/10
Nominal CFM/ARI Rated CFM [L/s]	1400/1400 [661/661]	1400/1400 [661/661]	1400/1400 [661/661]	1400/1400 [661/661]
ARI Net Cooling Capacity Btu [kW]	42,000 [12.3]	42,000 [12.3]	42,000 [12.3]	42,000 [12.3]
Net Sensible Capacity Btu [kW]	32,000 [9.4]	32,000 [9.4]	32,000 [9.4]	32,000 [9.4]
Net Latent Capacity Btu [kW]	10,000 [2.9]	10,000 [2.9]	10,000 [2.9]	10,000 [2.9]
Net System Power kW	4.6	4.6	4.6	4.6
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	80,000 [23.4]	80,000 [23.4]	120,000 [35.2]	120,000 [35.2]
Heating Output Btu [kW]	62,500 [18.3]	62,500 [18.3]	94,500 [27.7]	94,500 [27.7]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	50-80 [27.8/44.4]
AFUE %	80	80	80	80
Steady State Efficiency (%)	78.5	78.5	79	79
California Seasonal Eff. (%)	75.5	75.5	76.5	76.5
No. Burners	4	4	6	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	78	78	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	11.04 [1.03]	11.04 [1.03]	11.04 [1.03]	11.04 [1.03]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3600 [1699]	3600 [1699]	3600 [1699]	3600 [1699]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Direct/3	Direct/3	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	48	48	48	48
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	77 [2183]	77 [2183]	77 [2183]	77 [2183]
Weights				
Net Weight lbs. [kg]	529 [240]	529 [240]	538 [244]	538 [244]
Ship Weight lbs. [kg]	536 [243]	536 [243]	545 [247]	545 [247]

See Page 64 for Notes.

[] Designates Metric Conversions



GENERAL DATA—RKKA- SERIES

NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKKA- Series	A042YL08E	A042YL12E	A042YM08E	A042YM12E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	44,000 [12.9]	44,000 [12.9]	44,000 [12.9]	44,000 [12.9]
EER/SEER ²	9.05/10	9.05/10	9.05/10	9.05/10
Nominal CFM/ARI Rated CFM [L/s]	1400/1400 [661/661]	1400/1400 [661/661]	1400/1400 [661/661]	1400/1400 [661/661]
ARI Net Cooling Capacity Btu [kW]	42,000 [12.3]	42,000 [12.3]	42,000 [12.3]	42,000 [12.3]
Net Sensible Capacity Btu [kW]	32,000 [9.4]	32,000 [9.4]	32,000 [9.4]	32,000 [9.4]
Net Latent Capacity Btu [kW]	10,000 [2.9]	10,000 [2.9]	10,000 [2.9]	10,000 [2.9]
Net System Power kW	4.6	4.6	4.6	4.6
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	80,000 [23.4]	120,000 [35.2]	80,000 [23.4]	120,000 [35.2]
Heating Output Btu [kW]	64,800 [19]	97,200 [28.5]	64,800 [19]	97,200 [28.5]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	30-60 [16.7/33.3]	50-80 [27.8/44.4]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	6	4	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	78	78	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	11.04 [1.03]	11.04 [1.03]	11.04 [1.03]	11.04 [1.03]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3600 [1699]	3600 [1699]	3600 [1699]	3600 [1699]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	77 [2183]	77 [2183]	77 [2183]	77 [2183]
Weights				
Net Weight lbs. [kg]	529 [240]	538 [244]	529 [240]	529 [240]
Ship Weight lbs. [kg]	536 [243]	545 [247]	536 [243]	536 [243]

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[] Designates Metric Conversions

GENERAL DATA—RKKA- SERIES



NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKKA- Series	A048CK08E	A048CK10E	A048CK13E	A048CL08E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	50,000 [14.6]	50,000 [14.6]	50,000 [14.6]	50,000 [14.6]
EER/SEER ²	9.8/10.4	9.8/10.4	9.8/10.4	9.8/10.4
Nominal CFM/ARI Rated CFM [L/s]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]
ARI Net Cooling Capacity Btu [kW]	48,000 [14.1]	48,000 [14.1]	48,000 [14.1]	48,000 [14.1]
Net Sensible Capacity Btu [kW]	35,500 [10.4]	35,500 [10.4]	35,500 [10.4]	35,500 [10.4]
Net Latent Capacity Btu [kW]	12,500 [3.7]	12,500 [3.7]	12,500 [3.7]	12,500 [3.7]
Net System Power kW	4.9	4.9	4.9	4.9
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	80,000 [23.4]	100,000 [29.3]	135,000 [39.6]	80,000 [23.4]
Heating Output Btu [kW]	64,800 [19]	81,000 [23.7]	109,400 [32.1]	64,800 [19]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	40-70 [22.2/38.9]	50-80 [27.8/44.4]	30-60 [16.7/33.3]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	5	6	4
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	78	78	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4000 [1888]	4000 [1888]	4000 [1888]	4000 [1888]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Direct/3	Direct/3	Direct/3	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	48	48	48	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	106 [3005]	106 [3005]	106 [3005]	106 [3005]
Weights				
Net Weight lbs. [kg]	573 [260]	573 [260]	578 [262]	573 [260]
Ship Weight lbs. [kg]	580 [263]	580 [263]	585 [265]	580 [263]

See Page 64 for Notes.

[] Designates Metric Conversions



NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKKA- Series	A048CL10E	A048CL13E	A048CM08E	A048CM10E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	50,000 [14.6]	50,000 [14.6]	50,000 [14.6]	50,000 [14.6]
EER/SEER ²	9.8/10.4	9.8/10.4	9.8/10.4	9.8/10.4
Nominal CFM/ARI Rated CFM [L/s]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]
ARI Net Cooling Capacity Btu [kW]	48,000 [14.1]	48,000 [14.1]	48,000 [14.1]	48,000 [14.1]
Net Sensible Capacity Btu [kW]	35,500 [10.4]	35,500 [10.4]	35,500 [10.4]	35,500 [10.4]
Net Latent Capacity Btu [kW]	12,500 [3.7]	12,500 [3.7]	12,500 [3.7]	12,500 [3.7]
Net System Power kW	4.9	4.9	4.9	4.9
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	100,000 [29.3]	135,000 [39.6]	80,000 [23.4]	100,000 [29.3]
Heating Output Btu [kW]	81,000 [23.7]	109,400 [32.1]	64,800 [19]	81,000 [23.7]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	30-60 [16.7/33.3]	30-60 [16.7/33.3]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	5	6	4	5
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	78	78	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4000 [1888]	4000 [1888]	4000 [1888]	4000 [1888]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1/2	1/2	3/4	3/4
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	106 [3005]	106 [3005]	106 [3005]	106 [3005]
Weights				
Net Weight lbs. [kg]	573 [260]	578 [262]	573 [260]	573 [260]
Ship Weight lbs. [kg]	580 [263]	585 [265]	580 [263]	580 [263]

See Page 64 for Notes.

[] Designates Metric Conversions

GENERAL DATA—RKKA- SERIES



NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKKA- Series	A048CM13E	A048DK08E	A048DK10E	A048DK13E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	50,000 [14.6]	50,000 [14.6]	50,000 [14.6]	50,000 [14.6]
EER/SEER ²	9.8/10.4	9.8/10.4	9.8/10.4	9.8/10.4
Nominal CFM/ARI Rated CFM [L/s]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]
ARI Net Cooling Capacity Btu [kW]	48,000 [14.1]	48,000 [14.1]	48,000 [14.1]	48,000 [14.1]
Net Sensible Capacity Btu [kW]	35,500 [10.4]	35,500 [10.4]	35,500 [10.4]	35,500 [10.4]
Net Latent Capacity Btu [kW]	12,500 [3.7]	12,500 [3.7]	12,500 [3.7]	12,500 [3.7]
Net System Power kW	4.9	4.9	4.9	4.9
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	135,000 [39.6]	80,000 [23.4]	100,000 [29.3]	135,000 [39.6]
Heating Output Btu [kW]	109,400 [32.1]	64,800 [19]	81,000 [23.7]	109,400 [32.1]
Temperature Rise Range °F [°C]	50-80 [27.8/44.4]	30-60 [16.7/33.3]	30-60 [16.7/33.3]	50-80 [27.8/44.4]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	4	5	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	78	78	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4000 [1888]	4000 [1888]	4000 [1888]	4000 [1888]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Direct/3	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	3/4	1/2	1/2	1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	48	48	48
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	106 [3005]	106 [3005]	106 [3005]	106 [3005]
Weights				
Net Weight lbs. [kg]	573 [260]	573 [260]	573 [260]	578 [262]
Ship Weight lbs. [kg]	580 [263]	580 [263]	580 [263]	585 [265]

See Page 64 for Notes.

[] Designates Metric Conversions



GENERAL DATA—RKKA- SERIES

NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKKA- Series	A048DL08E	A048DL10E	A048DL13E	A048DM08E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	50,000 [14.6]	50,000 [14.6]	50,000 [14.6]	50,000 [14.6]
EER/SEER ²	9.8/10.4	9.8/10.4	9.8/10.4	9.8/10.4
Nominal CFM/ARI Rated CFM [L/s]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]
ARI Net Cooling Capacity Btu [kW]	48,000 [14.1]	48,000 [14.1]	48,000 [14.1]	48,000 [14.1]
Net Sensible Capacity Btu [kW]	35,500 [10.4]	35,500 [10.4]	35,500 [10.4]	35,500 [10.4]
Net Latent Capacity Btu [kW]	12,500 [3.7]	12,500 [3.7]	12,500 [3.7]	12,500 [3.7]
Net System Power kW	4.9	4.9	4.9	4.9
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	80,000 [23.4]	100,000 [29.3]	135,000 [39.6]	80,000 [23.4]
Heating Output Btu [kW]	64,800 [19]	81,000 [23.7]	109,400 [32.1]	64,800 [19]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	30-60 [16.7/33.3]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	5	6	4
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	78	78	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4000 [1888]	4000 [1888]	4000 [1888]	4000 [1888]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	3/4
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	106 [3005]	106 [3005]	106 [3005]	106 [3005]
Weights				
Net Weight lbs. [kg]	573 [260]	573 [260]	578 [262]	573 [260]
Ship Weight lbs. [kg]	580 [263]	580 [263]	585 [265]	580 [263]

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[] Designates Metric Conversions

GENERAL DATA—RKKA- SERIES



NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKKA- Series	A048DM10E	A048DM13E	A048JK08E	A048JK08X
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	50,000 [14.6]	50,000 [14.6]	50,000 [14.6]	50,000 [14.6]
EER/SEER ²	9.8/10.4	9.8/10.4	9.8/10.4	9.8/10.4
Nominal CFM/ARI Rated CFM [L/s]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]
ARI Net Cooling Capacity Btu [kW]	48,000 [14.1]	48,000 [14.1]	48,000 [14.1]	48,000 [14.1]
Net Sensible Capacity Btu [kW]	35,500 [10.4]	35,500 [10.4]	35,500 [10.4]	35,500 [10.4]
Net Latent Capacity Btu [kW]	12,500 [3.7]	12,500 [3.7]	12,500 [3.7]	12,500 [3.7]
Net System Power kW	4.9	4.9	4.9	4.9
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	100,000 [29.3]	135,000 [39.6]	80,000 [23.4]	80,000 [23.4]
Heating Output Btu [kW]	81,000 [23.7]	109,400 [32.1]	62,500 [18.3]	62,500 [18.3]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	30-60 [16.7/33.3]	30-60 [16.7/33.3]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	78.5	78.5
California Seasonal Eff. (%)	NA	NA	75.5	75.5
No. Burners	5	6	4	4
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	78	78	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4000 [1888]	4000 [1888]	4000 [1888]	4000 [1888]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	3/4	3/4	1/2	1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	48	48
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	106 [3005]	106 [3005]	106 [3005]	106 [3005]
Weights				
Net Weight lbs. [kg]	573 [260]	573 [260]	573 [260]	573 [260]
Ship Weight lbs. [kg]	580 [263]	580 [263]	580 [263]	580 [263]

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[] Designates Metric Conversions



NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKKA- Series	A048JK10E	A048JK10X	A048JK13E	A048JK13X
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	50,000 [14.6]	50,000 [14.6]	50,000 [14.6]	50,000 [14.6]
EER/SEER ²	9.8/10.4	9.8/10.4	9.8/10.4	9.8/10.4
Nominal CFM/ARI Rated CFM [L/s]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]
ARI Net Cooling Capacity Btu [kW]	48,000 [14.1]	48,000 [14.1]	48,000 [14.1]	48,000 [14.1]
Net Sensible Capacity Btu [kW]	35,500 [10.4]	35,500 [10.4]	35,500 [10.4]	35,500 [10.4]
Net Latent Capacity Btu [kW]	12,500 [3.7]	12,500 [3.7]	12,500 [3.7]	12,500 [3.7]
Net System Power kW	4.9	4.9	4.9	4.9
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	100,000 [29.3]	100,000 [29.3]	135,000 [39.6]	135,000 [39.6]
Heating Output Btu [kW]	78,500 [23]	78,500 [23]	106,500 [31.2]	106,500 [31.2]
Temperature Rise Range °F [°C]	40-70 [22.2/38.9]	40-70 [22.2/38.9]	50-80 [27.8/44.4]	50-80 [27.8/44.4]
AFUE %	80	80	80	80
Steady State Efficiency (%)	79	79	79	79
California Seasonal Eff. (%)	75.5	75.5	76.5	76.5
No. Burners	5	5	6	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	78	78	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4000 [1888]	4000 [1888]	4000 [1888]	4000 [1888]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Direct/3	Direct/3	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	48	48	48	48
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	106 [3005]	106 [3005]	106 [3005]	106 [3005]
Weights				
Net Weight lbs. [kg]	573 [260]	573 [260]	578 [262]	578 [262]
Ship Weight lbs. [kg]	580 [263]	580 [263]	585 [265]	585 [265]

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[] Designates Metric Conversions

GENERAL DATA—RKKA- SERIES



NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKKA- Series	A048YL08E	A048YL10E	A048YL13E	A048YM08E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	50,000 [14.6]	50,000 [14.6]	50,000 [14.6]	50,000 [14.6]
EER/SEER ²	9.8/10.4	9.8/10.4	9.8/10.4	9.8/10.4
Nominal CFM/ARI Rated CFM [L/s]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]
ARI Net Cooling Capacity Btu [kW]	48,000 [14.1]	48,000 [14.1]	48,000 [14.1]	48,000 [14.1]
Net Sensible Capacity Btu [kW]	35,500 [10.4]	35,500 [10.4]	35,500 [10.4]	35,500 [10.4]
Net Latent Capacity Btu [kW]	12,500 [3.7]	12,500 [3.7]	12,500 [3.7]	12,500 [3.7]
Net System Power kW	4.9	4.9	4.9	4.9
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	80,000 [23.4]	100,000 [29.3]	135,000 [39.6]	80,000 [23.4]
Heating Output Btu [kW]	64,800 [19]	81,000 [23.7]	109,400 [32.1]	64,800 [19]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	30-60 [16.7/33.3]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	5	6	4
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	78	78	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4000 [1888]	4000 [1888]	4000 [1888]	4000 [1888]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x48.3x25 [25x1227x635]
	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x8.5x25 [25x216x635]
Refrigerant Charge Oz. [g]	106 [3005]	106 [3005]	106 [3005]	106 [3005]
Weights				
Net Weight lbs. [kg]	573 [260]	573 [260]	578 [262]	573 [260]
Ship Weight lbs. [kg]	580 [263]	580 [263]	585 [265]	580 [263]

See Page 84 for Notes.

[] Designates Metric Conversions



GENERAL DATA—RKKA- SERIES

NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKKA- Series	A048YM10E	A048YM13E	A060CK10E	A060CK13E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	50,000 [14.6]	50,000 [14.6]	63,000 [18.5]	63,000 [18.5]
EER/SEER ²	9.8/10.4	9.8/10.4	9.3/10.1	9.3/10.1
Nominal CFM/ARI Rated CFM [L/s]	1600/1600 [755/755]	1600/1600 [755/755]	2000/2000 [944/944]	2000/2000 [944/944]
ARI Net Cooling Capacity Btu [kW]	48,000 [14.1]	48,000 [14.1]	60,000 [17.6]	60,000 [17.6]
Net Sensible Capacity Btu [kW]	35,500 [10.4]	35,500 [10.4]	44,000 [12.9]	44,000 [12.9]
Net Latent Capacity Btu [kW]	12,500 [3.7]	12,500 [3.7]	16,000 [4.7]	16,000 [4.7]
Net System Power kW	4.9	4.9	6.5	6.5
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	100,000 [29.3]	135,000 [39.6]	100,000 [29.3]	135,000 [39.6]
Heating Output Btu [kW]	81,000 [23.7]	109,400 [32.1]	81,000 [23.7]	109,400 [32.1]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	40-70 [22.2/38.9]	40-70 [22.2/38.9]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	5	6	5	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	78	78	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.91 [1.57]	16.91 [1.57]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1.5 / 18 [7]	1.5 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	4 / 13 [5]	4 / 13 [5]	5 / 14 [6]	5 / 14 [6]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4000 [1888]	4000 [1888]	3700 [1746]	3700 [1746]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	1/2	1/2	3/4	3/4
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	106 [3005]	106 [3005]	131 [3714]	131 [3714]
Weights				
Net Weight lbs. [kg]	573 [260]	573 [260]	573 [260]	578 [262]
Ship Weight lbs. [kg]	580 [263]	580 [263]	580 [263]	585 [265]

See Page 64 for Notes.

[] Designates Metric Conversions

GENERAL DATA—RKKA- SERIES



NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKKA- Series	A060CL10E	A060CL13E	A060CM10E	A060CM13E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	63,000 [18.5]	63,000 [18.5]	63,000 [18.5]	63,000 [18.5]
EER/SEER ²	9.3/10.1	9.3/10.1	9.3/10.1	9.3/10.1
Nominal CFM/ARI Rated CFM [L/s]	2000/2000 [944/944]	2000/2000 [944/944]	2000/2000 [944/944]	2000/2000 [944/944]
ARI Net Cooling Capacity Btu [kW]	60,000 [17.6]	60,000 [17.6]	60,000 [17.6]	60,000 [17.6]
Net Sensible Capacity Btu [kW]	44,000 [12.9]	44,000 [12.9]	44,000 [12.9]	44,000 [12.9]
Net Latent Capacity Btu [kW]	16,000 [4.7]	16,000 [4.7]	16,000 [4.7]	16,000 [4.7]
Net System Power kW	6.5	6.5	6.5	6.5
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	100,000 [29.3]	135,000 [39.6]	100,000 [29.3]	135,000 [39.6]
Heating Output Btu [kW]	81,000 [23.7]	109,400 [32.1]	81,000 [23.7]	109,400 [32.1]
Temperature Rise Range °F [°C]	25-55 [13.9/30.6]	40-70 [22.2/38.9]	25-55 [13.9/30.6]	40-70 [22.2/38.9]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	5	6	5	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	78	78	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	1.5 / 18 [7]	1.5 / 18 [7]	1.5 / 18 [7]	1.5 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	5 / 14 [6]	5 / 14 [6]	5 / 14 [6]	5 / 14 [6]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3700 [1746]	3700 [1746]	3700 [1746]	3700 [1746]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	3/4	3/4	1	1
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	131 [3714]	131 [3714]	131 [3714]	131 [3714]
Weights				
Net Weight lbs. [kg]	573 [260]	578 [262]	573 [260]	573 [260]
Ship Weight lbs. [kg]	580 [263]	585 [265]	580 [263]	580 [263]

See Page 64 for Notes.

[] Designates Metric Conversions



GENERAL DATA—RKKA- SERIES

NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKKA- Series	A060DK10E	A060DK13E	A060DL10E	A060DL13E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	63,000 [18.5]	63,000 [18.5]	63,000 [18.5]	63,000 [18.5]
EER/SEER ²	9.3/10.1	9.3/10.1	9.3/10.1	9.3/10.1
Nominal CFM/ARI Rated CFM [L/s]	2000/2000 [944/944]	2000/2000 [944/944]	2000/2000 [944/944]	2000/2000 [944/944]
ARI Net Cooling Capacity Btu [kW]	60,000 [17.6]	60,000 [17.6]	60,000 [17.6]	60,000 [17.6]
Net Sensible Capacity Btu [kW]	44,000 [12.9]	44,000 [12.9]	44,000 [12.9]	44,000 [12.9]
Net Latent Capacity Btu [kW]	16,000 [4.7]	16,000 [4.7]	16,000 [4.7]	16,000 [4.7]
Net System Power kW	6.5	6.5	6.5	6.5
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	100,000 [29.3]	135,000 [39.6]	100,000 [29.3]	135,000 [39.6]
Heating Output Btu [kW]	81,000 [23.7]	109,400 [32.1]	81,000 [23.7]	109,400 [32.1]
Temperature Rise Range °F [°C]	25-55 [13.9/30.6]	40-70 [22.2/38.9]	25-55 [13.9/30.6]	40-70 [22.2/38.9]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	5	6	5	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	78	78	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	1.5 / 18 [7]	1.5 / 18 [7]	1.5 / 18 [7]	1.5 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	5 / 14 [6]	5 / 14 [6]	5 / 14 [6]	5 / 14 [6]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3700 [1746]	3700 [1746]	3700 [1746]	3700 [1746]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Direct/3	Direct/3	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	3/4	3/4	3/4	3/4
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	131 [3714]	131 [3714]	131 [3714]	131 [3714]
Weights				
Net Weight lbs. [kg]	573 [260]	578 [262]	573 [260]	578 [262]
Ship Weight lbs. [kg]	580 [263]	585 [265]	580 [263]	585 [265]

See Page 64 for Notes.

[] Designates Metric Conversions

GENERAL DATA—RKKA- SERIES



NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKKA- Series	A060DM10E	A060DM13E	A060JK10E	A060JK10X
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	63,000 [18.5]	63,000 [18.5]	63,000 [18.5]	63,000 [18.5]
EER/SEER ²	9.3/10.1	9.3/10.1	9.3/10.1	9.3/10.1
Nominal CFM/ARI Rated CFM [L/s]	2000/2000 [944/944]	2000/2000 [944/944]	2000/2000 [944/944]	2000/2000 [944/944]
ARI Net Cooling Capacity Btu [kW]	60,000 [17.6]	60,000 [17.6]	60,000 [17.6]	60,000 [17.6]
Net Sensible Capacity Btu [kW]	44,000 [12.9]	44,000 [12.9]	44,000 [12.9]	44,000 [12.9]
Net Latent Capacity Btu [kW]	16,000 [4.7]	16,000 [4.7]	16,000 [4.7]	16,000 [4.7]
Net System Power kW	6.5	6.5	6.5	6.5
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	100,000 [29.3]	135,000 [39.6]	100,000 [29.3]	100,000 [29.3]
Heating Output Btu [kW]	81,000 [23.7]	109,400 [32.1]	78,500 [23]	78,500 [23]
Temperature Rise Range °F [°C]	25-55 [13.9/30.6]	40-70 [22.2/38.9]	40-70 [22.2/38.9]	40-70 [22.2/38.9]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	79	79
California Seasonal Eff. (%)	—	—	75.5	75.5
No. Burners	5	6	5	5
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	78	78	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	1.5 / 18 [7]	1.5 / 18 [7]	1.5 / 18 [7]	1.5 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	5 / 14 [6]	5 / 14 [6]	5 / 14 [6]	5 / 14 [6]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3700 [1746]	3700 [1746]	3700 [1746]	3700 [1746]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	1	1	3/4	3/4
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	48	48
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	131 [3714]	131 [3714]	131 [3714]	131 [3714]
Weights				
Net Weight lbs. [kg]	573 [260]	573 [260]	573 [260]	573 [260]
Ship Weight lbs. [kg]	580 [263]	580 [263]	580 [263]	580 [263]

See Page 64 for Notes.

[] Designates Metric Conversions



NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKKA- Series	A060JK13E	A060JK13X	A060YL10E	A060YL13E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	63,000 [18.5]	63,000 [18.5]	63,000 [18.5]	63,000 [18.5]
EER/SEER ²	9.3/10.1	9.3/10.1	9.3/10.1	9.3/10.1
Nominal CFM/ARI Rated CFM [L/s]	2000/2000 [944/944]	2000/2000 [944/944]	2000/2000 [944/944]	2000/2000 [944/944]
ARI Net Cooling Capacity Btu [kW]	60,000 [17.6]	60,000 [17.6]	60,000 [17.6]	60,000 [17.6]
Net Sensible Capacity Btu [kW]	44,000 [12.9]	44,000 [12.9]	44,000 [12.9]	44,000 [12.9]
Net Latent Capacity Btu [kW]	16,000 [4.7]	16,000 [4.7]	16,000 [4.7]	16,000 [4.7]
Net System Power kW	6.5	6.5	6.5	6.5
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	135,000 [39.6]	135,000 [39.6]	100,000 [29.3]	135,000 [39.6]
Heating Output Btu [kW]	106,500 [31.2]	106,500 [31.2]	81,000 [23.7]	109,400 [32.1]
Temperature Rise Range °F [°C]	40-70 [22.2/38.9]	40-70 [22.2/38.9]	25-55 [13.9/30.6]	40-70 [22.2/38.9]
AFUE %	80	80	80	80
Steady State Efficiency (%)	79	79	81	81
California Seasonal Eff. (%)	76	76	—	—
No. Burners	6	6	5	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	78	78	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	1.5 / 18 [7]	1.5 / 18 [7]	1.5 / 18 [7]	1.5 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	5 / 14 [6]	5 / 14 [6]	5 / 14 [6]	5 / 14 [6]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3700 [1746]	3700 [1746]	3700 [1746]	3700 [1746]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Direct/3	Direct/3	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	3/4	3/4	3/4	3/4
Motor RPM	1725	1725	1725	1725
Motor Frame Size	48	48	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	131 [3714]	131 [3714]	131 [3714]	131 [3714]
Weights				
Net Weight lbs. [kg]	578 [262]	578 [262]	573 [260]	578 [262]
Ship Weight lbs. [kg]	585 [265]	585 [265]	580 [263]	585 [265]

See Page 64 for Notes.

[] Designates Metric Conversions

GENERAL DATA—RKKA- SERIES



NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKKA- Series	A060YM10E	A060YM13E
Cooling Performance¹		
Gross Cooling Capacity Btu [kW]	63,000 [18.5]	63,000 [18.5]
EER/SEER ²	9.3/10.1	9.3/10.1
Nominal CFM/ARI Rated CFM [L/s]	2000/2000 [944/944]	2000/2000 [944/944]
ARI Net Cooling Capacity Btu [kW]	60,000 [17.6]	60,000 [17.6]
Net Sensible Capacity Btu [kW]	44,000 [12.9]	44,000 [12.9]
Net Latent Capacity Btu [kW]	16,000 [4.7]	16,000 [4.7]
Net System Power kW	6.5	6.5
Heating Performance (Package Gas/Electric)⁴		
Heating Input Btu [kW]	100,000 [29.3]	135,000 [39.6]
Heating Output Btu [kW]	81,000 [23.7]	109,400 [32.1]
Temperature Rise Range °F [°C]	25-55 [13.9/30.6]	40-70 [22.2/38.9]
AFUE %	80	80
Steady State Efficiency (%)	81	81
No. Burners	5	6
No. Stages	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]
Compressor		
No./Type	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵		
	78	78
Outdoor Coil—Fin Type		
Tube Type	Louvered	Louvered
Tube Size in. [mm] OD	Smooth	Smooth
Face Area sq. ft. [sq. m]	0.375 [9.5]	0.375 [9.5]
Rows / FPI [FPcm]	16.56 [1.54]	16.56 [1.54]
	1.5 / 18 [7]	1.5 / 18 [7]
Indoor Coil—Fin Type		
Tube Type	Louvered	Louvered
Tube Size in. [mm]	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	5 / 14 [6]	5 / 14 [6]
Refrigerant Control	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type		
	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1
CFM [L/s]	3700 [1746]	3700 [1746]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075
Indoor Fan—Type		
	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable
No. Motors	1	1
Motor HP	1	1
Motor RPM	1725	1725
Motor Frame Size	56	56
Filter—Type		
	Disposable	Disposable
Furnished	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]		
	131 [3714]	131 [3714]
Weights		
Net Weight lbs. [kg]	573 [260]	573 [260]
Ship Weight lbs. [kg]	580 [263]	580 [263]

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[] Designates Metric Conversions



NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1989 COMPLIANT MODELS

Model RKKA- Series	A073CL10E	A073CL13E	A073CM10E	A073CM13E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	75,000 [22]	75,000 [22]	75,000 [22]	75,000 [22]
EER/SEER ²	9.8/NA	9.8/NA	9.8/NA	9.8/NA
Nominal CFM/ARI Rated CFM [L/s]	2400/2200 [1133/1038]	2400/2200 [1133/1038]	2400/2200 [1133/1038]	2400/2200 [1133/1038]
ARI Net Cooling Capacity Btu [kW]	72,000 [21.1]	72,000 [21.1]	72,000 [21.1]	72,000 [21.1]
Net Sensible Capacity Btu [kW]	51,500 [15.1]	51,500 [15.1]	51,500 [15.1]	51,500 [15.1]
Net Latent Capacity Btu [kW]	20,500 [6]	20,500 [6]	20,500 [6]	20,500 [6]
Net System Power kW	7.3	7.3	7.3	7.3
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	100,000 [29.3]	135,000 [39.6]	100,000 [29.3]	135,000 [39.6]
Heating Output Btu [kW]	81,000 [23.7]	109,400 [32.1]	81,000 [23.7]	109,400 [32.1]
Temperature Rise Range °F [°C]	20-50 [11.1/27.8]	30-60 [16.7/33.3]	20-50 [11.1/27.8]	30-60 [16.7/33.3]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	5	6	5	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	83	83	83	83
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	5 / 13 [5]	5 / 13 [5]	5 / 13 [5]	5 / 13 [5]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4000 [1888]	4000 [1888]	4000 [1888]	4000 [1888]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x12 [279.4x304.8]	1/11x12 [279.4x304.8]	1/11x12 [279.4x304.8]	1/11x12 [279.4x304.8]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1 1/2	1 1/2	1 1/2	1 1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	176 [4990]	176 [4990]	176 [4990]	176 [4990]
Weights				
Net Weight lbs. [kg]	608 [276]	608 [276]	608 [276]	608 [276]
Ship Weight lbs. [kg]	615 [279]	615 [279]	615 [279]	615 [279]

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[] Designates Metric Conversions

GENERAL DATA—RKKA- SERIES



NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1989 COMPLIANT MODELS

Model RKKA- Series	A073DL10E	A073DL13E	A073DM10E	A073DM13E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	75,000 [22]	75,000 [22]	75,000 [22]	75,000 [22]
EER/SEER ²	9.8/NA	9.8/NA	9.8/NA	9.8/NA
Nominal CFM/ARI Rated CFM [L/s]	2400/2200 [1133/1038]	2400/2200 [1133/1038]	2400/2200 [1133/1038]	2400/2200 [1133/1038]
ARI Net Cooling Capacity Btu [kW]	72,000 [21.1]	72,000 [21.1]	72,000 [21.1]	72,000 [21.1]
Net Sensible Capacity Btu [kW]	51,500 [15.1]	51,500 [15.1]	51,500 [15.1]	51,500 [15.1]
Net Latent Capacity Btu [kW]	20,500 [6]	20,500 [6]	20,500 [6]	20,500 [6]
Net System Power kW	7.3	7.3	7.3	7.3
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	100,000 [29.3]	135,000 [39.6]	100,000 [29.3]	135,000 [39.6]
Heating Output Btu [kW]	81,000 [23.7]	109,400 [32.1]	81,000 [23.7]	109,400 [32.1]
Temperature Rise Range °F [°C]	20-50 [11.1/27.8]	30-60 [16.7/33.3]	20-50 [11.1/27.8]	30-60 [16.7/33.3]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	5	6	5	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	83	83	83	83
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	5 / 13 [5]	5 / 13 [5]	5 / 13 [5]	5 / 13 [5]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4000 [1888]	4000 [1888]	4000 [1888]	4000 [1888]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x12 [279.4x304.8]	1/11x12 [279.4x304.8]	1/11x12 [279.4x304.8]	1/11x12 [279.4x304.8]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1 1/2	1 1/2	1 1/2	1 1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	176 [4990]	176 [4990]	176 [4990]	176 [4990]
Weights				
Net Weight lbs. [kg]	608 [276]	608 [276]	608 [276]	608 [276]
Ship Weight lbs. [kg]	615 [279]	615 [279]	615 [279]	615 [279]

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[] Designates Metric Conversions



NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1989 COMPLIANT MODELS

Model RKKA- Series	A073YL10E	A073YL13E	A073YM10E	A073YM13E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	75,000 [22]	75,000 [22]	75,000 [22]	75,000 [22]
EER/SEER ²	9.8/NA	9.8/NA	9.8/NA	9.8/NA
Nominal CFM/ARI Rated CFM [L/s]	2400/2200 [1133/1038]	2400/2200 [1133/1038]	2400/2200 [1133/1038]	2400/2200 [1133/1038]
ARI Net Cooling Capacity Btu [kW]	72,000 [21.1]	72,000 [21.1]	72,000 [21.1]	72,000 [21.1]
Net Sensible Capacity Btu [kW]	51,500 [15.1]	51,500 [15.1]	51,500 [15.1]	51,500 [15.1]
Net Latent Capacity Btu [kW]	20,500 [6]	20,500 [6]	20,500 [6]	20,500 [6]
Integrated Part Load Value ³	NA	NA	NA	NA
Net System Power kW	7.3	7.3	7.3	7.3
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	100,000 [29.3]	135,000 [39.6]	100,000 [29.3]	135,000 [39.6]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	81,000 [23.7]	109,400 [32.1]	81,000 [23.7]	109,400 [32.1]
Temperature Rise Range °F [°C]	20-50 [11.1/27.8]	30-60 [16.7/33.3]	20-50 [11.1/27.8]	30-60 [16.7/33.3]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	5	6	5	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	83	83	83	83
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	5 / 13 [5]	5 / 13 [5]	5 / 13 [5]	5 / 13 [5]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4000 [1888]	4000 [1888]	4000 [1888]	4000 [1888]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x12 [279.4x304.8]	1/11x12 [279.4x304.8]	1/11x12 [279.4x304.8]	1/11x12 [279.4x304.8]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1 1/2	1 1/2	1 1/2	1 1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	176 [4990]	176 [4990]	176 [4990]	176 [4990]
Weights				
Net Weight lbs. [kg]	608 [276]	608 [276]	608 [276]	608 [276]
Ship Weight lbs. [kg]	615 [279]	615 [279]	615 [279]	615 [279]

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[] Designates Metric Conversions

GENERAL DATA—RKKA- SERIES



NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1989 COMPLIANT MODELS

Model RKKA- Series	A085CL13E	A085CL13T	A085CM13E	A085CM13T
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	90,000 [26.4]	90,000 [26.4]	90,000 [26.4]	90,000 [26.4]
EER/SEER ²	9.1/NA	9.1/NA	9.1/NA	9.1/NA
Nominal CFM/ARI Rated CFM [L/s]	2800/2850 [1321/1345]	2800/2850 [1321/1345]	2800/2850 [1321/1345]	2800/2850 [1321/1345]
ARI Net Cooling Capacity Btu [kW]	85,000 [24.9]	85,000 [24.9]	85,000 [24.9]	85,000 [24.9]
Net Sensible Capacity Btu [kW]	63,380 [18.6]	63,380 [18.6]	63,380 [18.6]	63,380 [18.6]
Net Latent Capacity Btu [kW]	21,620 [6.3]	21,620 [6.3]	21,620 [6.3]	21,620 [6.3]
Integrated Part Load Value ³	10	10	10	10
Net System Power kW	9.3	9.3	9.3	9.3
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	135,000 [39.6]	74,250/135,000 [21.8/39.6]	135,000 [39.6]	74,250/135,000 [21.8/39.6]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	109,400 [32.1]	60,170/109,400 [17.6/32.1]	109,400 [32.1]	60,170/109,400 [17.6/32.1]
Temperature Rise Range °F [°C]	20-50 [11.1/27.8]	20-50 [11.1/27.8]	20-50 [11.1/27.8]	20-50 [11.1/27.8]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	6	6	6
No. Stages	1	2	1	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	2/Copeland Scroll	2/Copeland Scroll	2/Copeland Scroll	2/Copeland Scroll
Outdoor Sound Rating (dB)⁵	83	83	83	83
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	6.5 [0.6]	6.5 [0.6]	6.5 [0.6]	6.5 [0.6]
Rows / FPI [FPcm]	5 / 12 [5]	5 / 12 [5]	5 / 12 [5]	5 / 12 [5]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4000 [1888]	4000 [1888]	4000 [1888]	4000 [1888]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x12 [279.4x304.8]	1/11x12 [279.4x304.8]	1/11x12 [279.4x304.8]	1/11x12 [279.4x304.8]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1 1/2	1 1/2	1 1/2	1 1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(2)2x16x16 [51x406x406]	(2)2x16x16 [51x406x406]	(2)2x16x16 [51x406x406]	(2)2x16x16 [51x406x406]
	(2)2x16x16 [51x406x406]	(2)2x16x16 [51x406x406]	(2)2x16x16 [51x406x406]	(2)2x16x16 [51x406x406]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	192/192 [5443/5443]	192/192 [5443/5443]	192/192 [5443/5443]	192/192 [5443/5443]
Weights				
Net Weight lbs. [kg]	690 [313]	690 [313]	690 [313]	690 [313]
Ship Weight lbs. [kg]	699 [317]	699 [317]	699 [317]	699 [317]

See Page 64 for Notes.

[] Designates Metric Conversions



NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1989 COMPLIANT MODELS

Model RKKA- Series	A085DL13E	A085DL13T	A085DM13E	A085DM13T
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	90,000 [26.4]	90,000 [26.4]	90,000 [26.4]	90,000 [26.4]
EER/SEER ²	9.1/NA	9.1/NA	9.1/NA	9.1/NA
Nominal CFM/ARI Rated CFM [L/s]	2800/2850 [1321/1345]	2800/2850 [1321/1345]	2800/2850 [1321/1345]	2800/2850 [1321/1345]
ARI Net Cooling Capacity Btu [kW]	85,000 [24.9]	85,000 [24.9]	85,000 [24.9]	85,000 [24.9]
Net Sensible Capacity Btu [kW]	63,380 [18.6]	63,380 [18.6]	63,380 [18.6]	63,380 [18.6]
Net Latent Capacity Btu [kW]	21,620 [6.3]	21,620 [6.3]	21,620 [6.3]	21,620 [6.3]
Integrated Part Load Value ³	10	10	10	10
Net System Power kW	9.3	9.3	9.3	9.3
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	135,000 [39.6]	74,250/135,000 [21.8/39.6]	135,000 [39.6]	74,250/135,000 [21.8/39.6]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	109,400 [32.1]	60,170/109,400 [17.6/32.1]	109,400 [32.1]	60,170/109,400 [17.6/32.1]
Temperature Rise Range °F [°C]	20-50 [11.1/27.8]	20-50 [11.1/27.8]	20-50 [11.1/27.8]	20-50 [11.1/27.8]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	6	6	6
No. Stages	1	2	1	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	2/Copeland Scroll	2/Copeland Scroll	2/Copeland Scroll	2/Copeland Scroll
Outdoor Sound Rating (dB)⁵	83	83	83	83
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	6.5 [0.6]	6.5 [0.6]	6.5 [0.6]	6.5 [0.6]
Rows / FPI [FPcm]	5 / 12 [5]	5 / 12 [5]	5 / 12 [5]	5 / 12 [5]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4000 [1888]	4000 [1888]	4000 [1888]	4000 [1888]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x12 [279.4x304.8]	1/11x12 [279.4x304.8]	1/11x12 [279.4x304.8]	1/11x12 [279.4x304.8]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1 1/2	1 1/2	1 1/2	1 1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(2)2x16x16 [51x406x406]	(2)2x16x16 [51x406x406]	(2)2x16x16 [51x406x406]	(2)2x16x16 [51x406x406]
	(2)2x16x16 [51x406x406]	(2)2x16x16 [51x406x406]	(2)2x16x16 [51x406x406]	(2)2x16x16 [51x406x406]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	192/192 [5443/5443]	192/192 [5443/5443]	192/192 [5443/5443]	192/192 [5443/5443]
Weights				
Net Weight lbs. [kg]	690 [313]	690 [313]	690 [313]	690 [313]
Ship Weight lbs. [kg]	699 [317]	699 [317]	699 [317]	699 [317]

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[] Designates Metric Conversions

GENERAL DATA—RKKA- SERIES



NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1989 COMPLIANT MODELS

Model RKKA- Series	A085YL13E	A085YL13T	A085YM13E	A085YM13T
Cooling Performance¹				
Gross Cooling Capacity Btu [kW]	90,000 [26.4]	90,000 [26.4]	90,000 [26.4]	90,000 [26.4]
EER/SEER ²	9.1/NA	9.1/NA	9.1/NA	9.1/NA
Nominal CFM/ARI Rated CFM [L/s]	2800/2850 [1321/1345]	2800/2850 [1321/1345]	2800/2850 [1321/1345]	2800/2850 [1321/1345]
ARI Net Cooling Capacity Btu [kW]	85,000 [24.9]	85,000 [24.9]	85,000 [24.9]	85,000 [24.9]
Net Sensible Capacity Btu [kW]	63,380 [18.6]	63,380 [18.6]	63,380 [18.6]	63,380 [18.6]
Net Latent Capacity Btu [kW]	21,620 [6.3]	21,620 [6.3]	21,620 [6.3]	21,620 [6.3]
Integrated Part Load Value ³	10	10	10	10
Net System Power kW	9.3	9.3	9.3	9.3
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	135,000 [39.6]	74,250/135,000 [21.8/39.6]	135,000 [39.6]	74,250/135,000 [21.8/39.6]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	109,400 [32.1]	60,170/109,400 [17.6/32.1]	109,400 [32.1]	60,170/109,400 [17.6/32.1]
Temperature Rise Range °F [°C]	20-50 [11.1/27.8]	20-50 [11.1/27.8]	20-50 [11.1/27.8]	20-50 [11.1/27.8]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	6	6	6
No. Stages	1	2	1	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	2/Copeland Scroll	2/Copeland Scroll	2/Copeland Scroll	2/Copeland Scroll
Outdoor Sound Rating (dB)⁵				
	83	83	83	83
Outdoor Coil—Fin Type				
Tube Type	Louvered	Louvered	Louvered	Louvered
Tube Size in. [mm] OD	Rifled	Rifled	Rifled	Rifled
Face Area sq. ft. [sq. m]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Rows / FPI [FPCm]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type				
Tube Type	Louvered	Louvered	Louvered	Louvered
Tube Size in. [mm]	Rifled	Rifled	Rifled	Rifled
Face Area sq. ft. [sq. m]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Rows / FPI [FPCm]	6.5 [0.6]	6.5 [0.6]	6.5 [0.6]	6.5 [0.6]
	5 / 12 [5]	5 / 12 [5]	5 / 12 [5]	5 / 12 [5]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type				
	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4000 [1888]	4000 [1888]	4000 [1888]	4000 [1888]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type				
	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x12 [279.4x304.8]	1/11x12 [279.4x304.8]	1/11x12 [279.4x304.8]	1/11x12 [279.4x304.8]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1 1/2	1 1/2	1 1/2	1 1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type				
	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(2)2x16x16 [51x406x406]	(2)2x16x16 [51x406x406]	(2)2x16x16 [51x406x406]	(2)2x16x16 [51x406x406]
	(2)2x16x16 [51x406x406]	(2)2x16x16 [51x406x406]	(2)2x16x16 [51x406x406]	(2)2x16x16 [51x406x406]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]				
	192/192 [5443/5443]	192/192 [5443/5443]	192/192 [5443/5443]	192/192 [5443/5443]
Weights				
Net Weight lbs. [kg]	690 [313]	690 [313]	690 [313]	690 [313]
Ship Weight lbs. [kg]	699 [317]	699 [317]	699 [317]	699 [317]

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[] Designates Metric Conversions



GENERAL DATA—RKMA- SERIES

NOM. SIZES 3-6 TONS [10.6-21.1 kW] ENERGYSTAR COMPLIANT THRU 12/31/03

Model RKMA- Series	A036CK08E	A036CK12E	A036CL08E	A036CL12E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	37,600 [11]	37,600 [11]	37,600 [11]	37,600 [11]
EER/SEER ²	10.5/12	10.5/12	10.5/12	10.5/12
Nominal CFM/ARI Rated CFM [L/s]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]
ARI Net Cooling Capacity Btu [kW]	36,000 [10.5]	36,000 [10.5]	36,000 [10.5]	36,000 [10.5]
Net Sensible Capacity Btu [kW]	27,000 [7.9]	27,000 [7.9]	27,000 [7.9]	27,000 [7.9]
Net Latent Capacity Btu [kW]	9000 [2.6]	9000 [2.6]	9000 [2.6]	9000 [2.6]
Net System Power kW	3.4	3.4	3.4	3.4
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	80,000 [23.4]	120,000 [35.2]	80,000 [23.4]	120,000 [35.2]
Heating Output Btu [kW]	64,800 [19]	97,200 [28.5]	64,800 [19]	97,200 [28.5]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	35-65 [19.4/36.1]	50-80 [27.8/44.4]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	6	4	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	78	78	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]
Rows / FPI [FPcm]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4000 [1888]	4000 [1888]	4000 [1888]	4000 [1888]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Direct/3	Direct/3	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	48	48	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	104 [2948]	104 [2948]	104 [2948]	104 [2948]
Weights				
Net Weight lbs. [kg]	543 [246]	552 [250]	543 [246]	552 [250]
Ship Weight lbs. [kg]	550 [249]	559 [254]	550 [249]	559 [254]

See Page 64 for Notes.

[] Designates Metric Conversions

GENERAL DATA—RKMA- SERIES



NOM. SIZES 3-6 TONS [10.6-21.1 kW] ENERGYSTAR COMPLIANT THRU 12/31/03

Model RKMA- Series	A036CM08E	A036CM12E	A036DK08E	A036DK12E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	37,600 [11]	37,600 [11]	37,600 [11]	37,600 [11]
EER/SEER ²	10.5/12	10.5/12	10.5/12	10.5/12
Nominal CFM/ARI Rated CFM [L/s]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]
ARI Net Cooling Capacity Btu [kW]	36,000 [10.5]	36,000 [10.5]	36,000 [10.5]	36,000 [10.5]
Net Sensible Capacity Btu [kW]	27,000 [7.9]	27,000 [7.9]	27,000 [7.9]	27,000 [7.9]
Net Latent Capacity Btu [kW]	9000 [2.6]	9000 [2.6]	9000 [2.6]	9000 [2.6]
Net System Power kW	3.4	3.4	3.4	3.4
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	80,000 [23.4]	120,000 [35.2]	80,000 [23.4]	120,000 [35.2]
Heating Output Btu [kW]	64,800 [19]	97,200 [28.5]	64,800 [19]	97,200 [28.5]
Temperature Rise Range °F [°C]	35-65 [19.4/36.1]	50-80 [27.8/44.4]	35-65 [19.4/36.1]	50-80 [27.8/44.4]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	6	4	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	78	78	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]
Rows / FPI [FPcm]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4000 [1888]	4000 [1888]	4000 [1888]	4000 [1888]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	48	48
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	104 [2948]	104 [2948]	104 [2948]	104 [2948]
Weights				
Net Weight lbs. [kg]	543 [246]	543 [246]	543 [246]	552 [250]
Ship Weight lbs. [kg]	550 [249]	550 [249]	550 [249]	559 [254]

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[] Designates Metric Conversions



GENERAL DATA—RKMA- SERIES

NOM. SIZES 3-6 TONS [10.6-21.1 kW] ENERGYSTAR COMPLIANT THRU 12/31/03

Model RKMA- Series	A036DL08E	A036DL12E	A036DM08E	A036DM12E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	37,600 [11]	37,600 [11]	37,600 [11]	37,600 [11]
EER/SEER ²	10.5/12	10.5/12	10.5/12	10.5/12
Nominal CFM/ARI Rated CFM [L/s]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]
ARI Net Cooling Capacity Btu [kW]	36,000 [10.5]	36,000 [10.5]	36,000 [10.5]	36,000 [10.5]
Net Sensible Capacity Btu [kW]	27,000 [7.9]	27,000 [7.9]	27,000 [7.9]	27,000 [7.9]
Net Latent Capacity Btu [kW]	9000 [2.6]	9000 [2.6]	9000 [2.6]	9000 [2.6]
Net System Power kW	3.4	3.4	3.4	3.4
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	80,000 [23.4]	120,000 [35.2]	80,000 [23.4]	120,000 [35.2]
Heating Output Btu [kW]	64,800 [19]	97,200 [28.5]	64,800 [19]	97,200 [28.5]
Temperature Rise Range °F [°C]	35-65 [19.4/36.1]	50-80 [27.8/44.4]	35-65 [19.4/36.1]	50-80 [27.8/44.4]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	6	4	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	78	78	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]
Rows / FPI [FPcm]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4000 [1888]	4000 [1888]	4000 [1888]	4000 [1888]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	104 [2948]	104 [2948]	104 [2948]	104 [2948]
Weights				
Net Weight lbs. [kg]	543 [246]	552 [250]	543 [246]	543 [246]
Ship Weight lbs. [kg]	550 [249]	559 [254]	550 [249]	550 [249]

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[] Designates Metric Conversions

GENERAL DATA—RKMA- SERIES



NOM. SIZES 3-6 TONS [10.6-21.1 kW] ENERGYSTAR COMPLIANT THRU 12/31/03

Model RKMA- Series	A036JK08E	A036JK08X	A036JK12E	A036JK12X
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	37,600 [11]	37,600 [11]	37,600 [11]	37,600 [11]
EER/SEER ²	10.5/12	10.5/12	10.5/12	10.5/12
Nominal CFM/ARI Rated CFM [L/s]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]
ARI Net Cooling Capacity Btu [kW]	36,000 [10.5]	36,000 [10.5]	36,000 [10.5]	36,000 [10.5]
Net Sensible Capacity Btu [kW]	27,000 [7.9]	27,000 [7.9]	27,000 [7.9]	27,000 [7.9]
Net Latent Capacity Btu [kW]	9000 [2.6]	9000 [2.6]	9000 [2.6]	9000 [2.6]
Net System Power kW	3.4	3.4	3.4	3.4
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	80,000 [23.4]	80,000 [23.4]	120,000 [35.2]	120,000 [35.2]
Heating Output Btu [kW]	62,500 [18.3]	62,500 [18.3]	94,500 [27.7]	94,500 [27.7]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	50-80 [27.8/44.4]
AFUE %	80	80	80	80
Steady State Efficiency (%)	78.5	78.5	79	79
California Seasonal Eff. (%)	75.5	75.5	76.5	76.5
No. Burners	4	4	6	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	78	78	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]
Rows / FPI [FPcm]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4000 [1888]	4000 [1888]	4000 [1888]	4000 [1888]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Direct/3	Direct/3	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	48	48	48	48
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	104 [2948]	104 [2948]	104 [2948]	104 [2948]
Weights				
Net Weight lbs. [kg]	543 [246]	543 [246]	552 [250]	552 [250]
Ship Weight lbs. [kg]	550 [249]	550 [249]	559 [254]	559 [254]

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[] Designates Metric Conversions



GENERAL DATA—RKMA- SERIES

NOM. SIZES 3-6 TONS [10.6-21.1 kW] ENERGYSTAR COMPLIANT THRU 12/31/03

Model RKMA- Series	A036YL08E	A036YL12E	A036YM08E	A036YM12E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	37,600 [11]	37,600 [11]	37,600 [11]	37,600 [11]
EER/SEER ²	10.5/12	10.5/12	10.5/12	10.5/12
Nominal CFM/ARI Rated CFM [L/s]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]
ARI Net Cooling Capacity Btu [kW]	36,000 [10.5]	36,000 [10.5]	36,000 [10.5]	36,000 [10.5]
Net Sensible Capacity Btu [kW]	27,000 [7.9]	27,000 [7.9]	27,000 [7.9]	27,000 [7.9]
Net Latent Capacity Btu [kW]	9000 [2.6]	9000 [2.6]	9000 [2.6]	9000 [2.6]
Net System Power kW	3.4	3.4	3.4	3.4
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	80,000 [23.4]	120,000 [35.2]	80,000 [23.4]	120,000 [35.2]
Heating Output Btu [kW]	64,800 [19]	97,200 [28.5]	64,800 [19]	97,200 [28.5]
Temperature Rise Range °F [°C]	35-65 [19.4/36.1]	50-80 [27.8/44.4]	35-65 [19.4/36.1]	50-80 [27.8/44.4]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	6	4	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	78	78	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]
Rows / FPI [FPCm]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPCm]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4000 [1888]	4000 [1888]	4000 [1888]	4000 [1888]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	104 [2948]	104 [2948]	104 [2948]	104 [2948]
Weights				
Net Weight lbs. [kg]	543 [246]	552 [250]	543 [246]	543 [246]
Ship Weight lbs. [kg]	550 [249]	559 [254]	550 [249]	550 [249]

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GENERAL DATA—RKMA- SERIES



NOM. SIZES 3-6 TONS [10.6-21.1 kW] ENERGYSTAR COMPLIANT THRU 12/31/03

Model RKMA- Series	A042CK08E	A042CK12E	A042CL08E	A042CL12E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	42,500 [12.5]	42,500 [12.5]	42,500 [12.5]	42,500 [12.5]
EER/SEER ²	10.5/12	10.5/12	10.5/12	10.5/12
Nominal CFM/ARI Rated CFM [L/s]	1400/1400 [661/661]	1400/1400 [661/661]	1400/1400 [661/661]	1400/1400 [661/661]
ARI Net Cooling Capacity Btu [kW]	40,500 [11.9]	40,500 [11.9]	40,500 [11.9]	40,500 [11.9]
Net Sensible Capacity Btu [kW]	31,000 [9.1]	31,000 [9.1]	31,000 [9.1]	31,000 [9.1]
Net Latent Capacity Btu [kW]	9500 [2.8]	9500 [2.8]	9500 [2.8]	9500 [2.8]
Net System Power kW	3.9	3.9	3.9	3.9
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	80,000 [23.4]	120,000 [35.2]	80,000 [23.4]	120,000 [35.2]
Heating Output Btu [kW]	64,800 [19]	97,200 [28.5]	64,800 [19]	97,200 [28.5]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	30-60 [16.7/33.3]	50-80 [27.8/44.4]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	6	4	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	78	78	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]
Rows / FPI [FPcm]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	5 / 14 [6]	5 / 14 [6]	5 / 14 [6]	5 / 14 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4000 [1888]	4000 [1888]	4000 [1888]	4000 [1888]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Direct/3	Direct/3	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	48	48	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	104 [2948]	104 [2948]	104 [2948]	104 [2948]
Weights				
Net Weight lbs. [kg]	570 [259]	579 [263]	570 [259]	579 [263]
Ship Weight lbs. [kg]	577 [262]	586 [266]	577 [262]	586 [266]

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[] Designates Metric Conversions



GENERAL DATA—RKMA- SERIES

NOM. SIZES 3-6 TONS [10.6-21.1 kW] ENERGYSTAR COMPLIANT THRU 12/31/03

Model RKMA- Series	A042CM08E	A042CM12E	A042DK08E	A042DK12E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	42,500 [12.5]	42,500 [12.5]	42,500 [12.5]	42,500 [12.5]
EER/SEER ²	10.5/12	10.5/12	10.5/12	10.5/12
Nominal CFM/ARI Rated CFM [L/s]	1400/1400 [661/661]	1400/1400 [661/661]	1400/1400 [661/661]	1400/1400 [661/661]
ARI Net Cooling Capacity Btu [kW]	40,500 [11.9]	40,500 [11.9]	40,500 [11.9]	40,500 [11.9]
Net Sensible Capacity Btu [kW]	31,000 [9.1]	31,000 [9.1]	31,000 [9.1]	31,000 [9.1]
Net Latent Capacity Btu [kW]	9500 [2.8]	9500 [2.8]	9500 [2.8]	9500 [2.8]
Net System Power kW	3.9	3.9	3.9	3.9
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	80,000 [23.4]	120,000 [35.2]	80,000 [23.4]	120,000 [35.2]
Heating Output Btu [kW]	64,800 [19]	97,200 [28.5]	64,800 [19]	97,200 [28.5]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	30-60 [16.7/33.3]	50-80 [27.8/44.4]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	6	4	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	78	78	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]
Rows / FPI [FPcm]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	5 / 14 [6]	5 / 14 [6]	5 / 14 [6]	5 / 14 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4000 [1888]	4000 [1888]	4000 [1888]	4000 [1888]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	48	48
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	104 [2948]	104 [2948]	104 [2948]	104 [2948]
Weights				
Net Weight lbs. [kg]	570 [259]	570 [259]	570 [259]	579 [263]
Ship Weight lbs. [kg]	577 [262]	577 [262]	577 [262]	586 [266]

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[] Designates Metric Conversions

GENERAL DATA—RKMA- SERIES



NOM. SIZES 3-6 TONS [10.6-21.1 kW] ENERGYSTAR COMPLIANT THRU 12/31/03

Model RKMA- Series	A042DL08E	A042DL12E	A042DM08E	A042DM12E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	42,500 [12.5]	42,500 [12.5]	42,500 [12.5]	42,500 [12.5]
EER/SEER ²	10.5/12	10.5/12	10.5/12	10.5/12
Nominal CFM/ARI Rated CFM [L/s]	1400/1400 [661/661]	1400/1400 [661/661]	1400/1400 [661/661]	1400/1400 [661/661]
ARI Net Cooling Capacity Btu [kW]	40,500 [11.9]	40,500 [11.9]	40,500 [11.9]	40,500 [11.9]
Net Sensible Capacity Btu [kW]	31,000 [9.1]	31,000 [9.1]	31,000 [9.1]	31,000 [9.1]
Net Latent Capacity Btu [kW]	9500 [2.8]	9500 [2.8]	9500 [2.8]	9500 [2.8]
Net System Power kW	3.9	3.9	3.9	3.9
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	80,000 [23.4]	120,000 [35.2]	80,000 [23.4]	120,000 [35.2]
Heating Output Btu [kW]	64,800 [19]	97,200 [28.5]	64,800 [19]	97,200 [28.5]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	30-60 [16.7/33.3]	50-80 [27.8/44.4]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	6	4	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	78	78	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]
Rows / FPI [FPcm]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	5 / 14 [6]	5 / 14 [6]	5 / 14 [6]	5 / 14 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4000 [1888]	4000 [1888]	4000 [1888]	4000 [1888]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	104 [2948]	104 [2948]	104 [2948]	104 [2948]
Weights				
Net Weight lbs. [kg]	570 [259]	579 [263]	570 [259]	570 [259]
Ship Weight lbs. [kg]	577 [262]	586 [266]	577 [262]	577 [262]

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[] Designates Metric Conversions



GENERAL DATA—RKMA- SERIES

NOM. SIZES 3-6 TONS [10.6-21.1 kW] ENERGYSTAR COMPLIANT THRU 12/31/03

Model RKMA- Series	A042JK08E	A042JK08X	A042JK12E	A042JK12X
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	42,500 [12.5]	42,500 [12.5]	42,500 [12.5]	42,500 [12.5]
EER/SEER ²	10.5/12	10.5/12	10.5/12	10.5/12
Nominal CFM/ARI Rated CFM [L/s]	1400/1400 [661/661]	1400/1400 [661/661]	1400/1400 [661/661]	1400/1400 [661/661]
ARI Net Cooling Capacity Btu [kW]	40,500 [11.9]	40,500 [11.9]	40,500 [11.9]	40,500 [11.9]
Net Sensible Capacity Btu [kW]	31,000 [9.1]	31,000 [9.1]	31,000 [9.1]	31,000 [9.1]
Net Latent Capacity Btu [kW]	9500 [2.8]	9500 [2.8]	9500 [2.8]	9500 [2.8]
Net System Power kW	3.9	3.9	3.9	3.9
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	80,000 [23.4]	80,000 [23.4]	120,000 [35.2]	120,000 [35.2]
Heating Output Btu [kW]	62,500 [18.3]	62,500 [18.3]	94,500 [27.7]	94,500 [27.7]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	50-80 [27.8/44.4]
AFUE %	80	80	80	80
Steady State Efficiency (%)	78.5	78.5	79	79
California Seasonal Eff. (%)	75.5	75.5	76.5	76.5
No. Burners	4	4	6	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	78	78	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]
Rows / FPI [FPcm]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	5 / 14 [6]	5 / 14 [6]	5 / 14 [6]	5 / 14 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4000 [1888]	4000 [1888]	4000 [1888]	4000 [1888]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Direct/3	Direct/3	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	48	48	48	48
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	104 [2948]	104 [2948]	104 [2948]	104 [2948]
Weights				
Net Weight lbs. [kg]	570 [259]	570 [259]	579 [263]	579 [263]
Ship Weight lbs. [kg]	577 [262]	577 [262]	586 [266]	586 [266]

See Page 64 for Notes.

[] Designates Metric Conversions

GENERAL DATA—RKMA- SERIES



NOM. SIZES 3-6 TONS [10.6-21.1 kW] ENERGYSTAR COMPLIANT THRU 12/31/03

Model RKMA- Series	A042YL08E	A042YL12E	A042YM08E	A042YM12E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	42,500 [12.5]	42,500 [12.5]	42,500 [12.5]	42,500 [12.5]
EER/SEER ²	10.5/12	10.5/12	10.5/12	10.5/12
Nominal CFM/ARI Rated CFM [L/s]	1400/1400 [661/661]	1400/1400 [661/661]	1400/1400 [661/661]	1400/1400 [661/661]
ARI Net Cooling Capacity Btu [kW]	40,500 [11.9]	40,500 [11.9]	40,500 [11.9]	40,500 [11.9]
Net Sensible Capacity Btu [kW]	31,000 [9.1]	31,000 [9.1]	31,000 [9.1]	31,000 [9.1]
Net Latent Capacity Btu [kW]	9500 [2.8]	9500 [2.8]	9500 [2.8]	9500 [2.8]
Net System Power kW	3.9	3.9	3.9	3.9
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	80,000 [23.4]	120,000 [35.2]	80,000 [23.4]	120,000 [35.2]
Heating Output Btu [kW]	64,800 [19]	97,200 [28.5]	64,800 [19]	97,200 [28.5]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	30-60 [16.7/33.3]	50-80 [27.8/44.4]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	6	4	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	78	78	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]
Rows / FPI [FPcm]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	5 / 14 [6]	5 / 14 [6]	5 / 14 [6]	5 / 14 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4000 [1888]	4000 [1888]	4000 [1888]	4000 [1888]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	104 [2948]	104 [2948]	104 [2948]	104 [2948]
Weights				
Net Weight lbs. [kg]	570 [259]	579 [263]	570 [259]	570 [259]
Ship Weight lbs. [kg]	577 [262]	586 [266]	577 [262]	577 [262]

See Page 64 for Notes.

[] Designates Metric Conversions



GENERAL DATA—RKMA- SERIES

NOM. SIZES 3-6 TONS [10.6-21.1 kW] ENERGYSTAR COMPLIANT THRU 12/31/03

Model RKMA- Series	A048CK08E	A048CK10E	A048CK13E	A048CL08E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	50,000 [14.6]	50,000 [14.6]	50,000 [14.6]	50,000 [14.6]
EER/SEER ²	10.5/12	10.5/12	10.5/12	10.5/12
Nominal CFM/ARI Rated CFM [L/s]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]
ARI Net Cooling Capacity Btu [kW]	48,000 [14.1]	48,000 [14.1]	48,000 [14.1]	48,000 [14.1]
Net Sensible Capacity Btu [kW]	35,500 [10.4]	35,500 [10.4]	35,500 [10.4]	35,500 [10.4]
Net Latent Capacity Btu [kW]	12,500 [3.7]	12,500 [3.7]	12,500 [3.7]	12,500 [3.7]
Net System Power kW	4.6	4.6	4.6	4.6
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	80,000 [23.4]	100,000 [29.3]	135,000 [39.6]	80,000 [23.4]
Heating Output Btu [kW]	64,800 [19]	81,000 [23.7]	109,400 [32.1]	64,800 [19]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	40-70 [22.2/38.9]	50-80 [27.8/44.4]	30-60 [16.7/33.3]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	5	6	4
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	78	78	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	5 / 13 [5]	5 / 13 [5]	5 / 13 [5]	5 / 13 [5]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3700 [1746]	3700 [1746]	3700 [1746]	3700 [1746]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Direct/3	Direct/3	Direct/3	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	48	48	48	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	176 [4990]	176 [4990]	176 [4990]	176 [4990]
Weights				
Net Weight lbs. [kg]	580 [263]	580 [263]	585 [265]	580 [263]
Ship Weight lbs. [kg]	587 [266]	587 [266]	592 [269]	587 [266]

See Page 64 for Notes.

[] Designates Metric Conversions

GENERAL DATA—RKMA- SERIES



NOM. SIZES 3-6 TONS [10.6-21.1 kW] ENERGYSTAR COMPLIANT THRU 12/31/03

Model RKMA- Series	A048CL10E	A048CL13E	A048CM08E	A048CM10E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	50,000 [14.6]	50,000 [14.6]	50,000 [14.6]	50,000 [14.6]
EER/SEER ²	10.5/12	10.5/12	10.5/12	10.5/12
Nominal CFM/ARI Rated CFM [L/s]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]
ARI Net Cooling Capacity Btu [kW]	48,000 [14.1]	48,000 [14.1]	48,000 [14.1]	48,000 [14.1]
Net Sensible Capacity Btu [kW]	35,500 [10.4]	35,500 [10.4]	35,500 [10.4]	35,500 [10.4]
Net Latent Capacity Btu [kW]	12,500 [3.7]	12,500 [3.7]	12,500 [3.7]	12,500 [3.7]
Net System Power kW	4.6	4.6	4.6	4.6
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	100,000 [29.3]	135,000 [39.6]	80,000 [23.4]	100,000 [29.3]
Heating Output Btu [kW]	81,000 [23.7]	109,400 [32.1]	64,800 [19]	81,000 [23.7]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	30-60 [16.7/33.3]	30-60 [16.7/33.3]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	5	6	4	5
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	78	78	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	5 / 13 [5]	5 / 13 [5]	5 / 13 [5]	5 / 13 [5]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3700 [1746]	3700 [1746]	3700 [1746]	3700 [1746]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1/2	1/2	3/4	3/4
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	176 [4990]	176 [4990]	176 [4990]	176 [4990]
Weights				
Net Weight lbs. [kg]	580 [263]	585 [265]	580 [263]	580 [263]
Ship Weight lbs. [kg]	587 [266]	592 [269]	587 [266]	587 [266]

See Page 64 for Notes.

[] Designates Metric Conversions



GENERAL DATA—RKMA- SERIES

NOM. SIZES 3-6 TONS [10.6-21.1 kW] ENERGYSTAR COMPLIANT THRU 12/31/03

Model RKMA- Series	A048CM13E	A048DK08E	A048DK10E	A048DK13E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	50,000 [14.6]	50,000 [14.6]	50,000 [14.6]	50,000 [14.6]
EER/SEER ²	10.5/12	10.5/12	10.5/12	10.5/12
Nominal CFM/ARI Rated CFM [L/s]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]
ARI Net Cooling Capacity Btu [kW]	48,000 [14.1]	48,000 [14.1]	48,000 [14.1]	48,000 [14.1]
Net Sensible Capacity Btu [kW]	35,500 [10.4]	35,500 [10.4]	35,500 [10.4]	35,500 [10.4]
Net Latent Capacity Btu [kW]	12,500 [3.7]	12,500 [3.7]	12,500 [3.7]	12,500 [3.7]
Net System Power kW	4.6	4.6	4.6	4.6
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	135,000 [39.6]	80,000 [23.4]	100,000 [29.3]	135,000 [39.6]
Heating Output Btu [kW]	109,400 [32.1]	64,800 [19]	81,000 [23.7]	109,400 [32.1]
Temperature Rise Range °F [°C]	50-80 [27.8/44.4]	30-60 [16.7/33.3]	30-60 [16.7/33.3]	50-80 [27.8/44.4]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	4	5	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	78	78	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	5 / 13 [5]	5 / 13 [5]	5 / 13 [5]	5 / 13 [5]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3700 [1746]	3700 [1746]	3700 [1746]	3700 [1746]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Direct/3	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	3/4	1/2	1/2	1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	48	48	48
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	176 [4990]	176 [4990]	176 [4990]	176 [4990]
Weights				
Net Weight lbs. [kg]	580 [263]	580 [263]	580 [263]	585 [265]
Ship Weight lbs. [kg]	587 [266]	587 [266]	587 [266]	592 [269]

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[] Designates Metric Conversions

GENERAL DATA—RKMA- SERIES



NOM. SIZES 3-6 TONS [10.6-21.1 kW] ENERGYSTAR COMPLIANT THRU 12/31/03

Model RKMA- Series	A048DL08E	A048DL10E	A048DL13E	A048DM08E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	50,000 [14.6]	50,000 [14.6]	50,000 [14.6]	50,000 [14.6]
EER/SEER ²	10.5/12	10.5/12	10.5/12	10.5/12
Nominal CFM/ARI Rated CFM [L/s]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]
ARI Net Cooling Capacity Btu [kW]	48,000 [14.1]	48,000 [14.1]	48,000 [14.1]	48,000 [14.1]
Net Sensible Capacity Btu [kW]	35,500 [10.4]	35,500 [10.4]	35,500 [10.4]	35,500 [10.4]
Net Latent Capacity Btu [kW]	12,500 [3.7]	12,500 [3.7]	12,500 [3.7]	12,500 [3.7]
Net System Power kW	4.6	4.6	4.6	4.6
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	80,000 [23.4]	100,000 [29.3]	135,000 [39.6]	80,000 [23.4]
Heating Output Btu [kW]	64,800 [19]	81,000 [23.7]	109,400 [32.1]	64,800 [19]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	30-60 [16.7/33.3]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	5	6	4
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	78	78	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	5 / 13 [5]	5 / 13 [5]	5 / 13 [5]	5 / 13 [5]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3700 [1746]	3700 [1746]	3700 [1746]	3700 [1746]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	3/4
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	176 [4990]	176 [4990]	176 [4990]	176 [4990]
Weights				
Net Weight lbs. [kg]	580 [263]	580 [263]	585 [265]	580 [263]
Ship Weight lbs. [kg]	587 [266]	587 [266]	592 [269]	587 [266]

See Page 64 for Notes.

[] Designates Metric Conversions



GENERAL DATA—RKMA- SERIES

NOM. SIZES 3-6 TONS [10.6-21.1 kW] ENERGYSTAR COMPLIANT THRU 12/31/03

Model RKMA- Series	A048DM10E	A048DM13E	A048JK08E	A048JK08X
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	50,000 [14.6]	50,000 [14.6]	50,000 [14.6]	50,000 [14.6]
EER/SEER ²	10.5/12	10.5/12	10.5/12	10.5/12
Nominal CFM/ARI Rated CFM [L/s]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]
ARI Net Cooling Capacity Btu [kW]	48,000 [14.1]	48,000 [14.1]	48,000 [14.1]	48,000 [14.1]
Net Sensible Capacity Btu [kW]	35,500 [10.4]	35,500 [10.4]	35,500 [10.4]	35,500 [10.4]
Net Latent Capacity Btu [kW]	12,500 [3.7]	12,500 [3.7]	12,500 [3.7]	12,500 [3.7]
Net System Power kW	4.6	4.6	4.6	4.6
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	100,000 [29.3]	135,000 [39.6]	80,000 [23.4]	80,000 [23.4]
Heating Output Btu [kW]	81,000 [23.7]	109,400 [32.1]	62,500 [18.3]	62,500 [18.3]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	30-60 [16.7/33.3]	30-60 [16.7/33.3]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	78.5	78.5
California Seasonal Eff. (%)	—	—	75.5	75.5
No. Burners	5	6	4	4
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	78	78	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	5 / 13 [5]	5 / 13 [5]	5 / 13 [5]	5 / 13 [5]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3700 [1746]	3700 [1746]	3700 [1746]	3700 [1746]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	3/4	3/4	1/2	1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	48	48
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	176 [4990]	176 [4990]	176 [4990]	176 [4990]
Weights				
Net Weight lbs. [kg]	580 [263]	580 [263]	580 [263]	580 [263]
Ship Weight lbs. [kg]	587 [266]	587 [266]	587 [266]	587 [266]

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[] Designates Metric Conversions

GENERAL DATA—RKMA- SERIES



NOM. SIZES 3-6 TONS [10.6-21.1 kW] ENERGYSTAR COMPLIANT THRU 12/31/03

Model RKMA- Series	A048JK10E	A048JK10X	A048JK13E	A048JK13X
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	50,000 [14.6]	50,000 [14.6]	50,000 [14.6]	50,000 [14.6]
EER/SEER ²	10.5/12	10.5/12	10.5/12	10.5/12
Nominal CFM/ARI Rated CFM [L/s]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]
ARI Net Cooling Capacity Btu [kW]	48,000 [14.1]	48,000 [14.1]	48,000 [14.1]	48,000 [14.1]
Net Sensible Capacity Btu [kW]	35,500 [10.4]	35,500 [10.4]	35,500 [10.4]	35,500 [10.4]
Net Latent Capacity Btu [kW]	12,500 [3.7]	12,500 [3.7]	12,500 [3.7]	12,500 [3.7]
Net System Power kW	4.6	4.6	4.6	4.6
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	100,000 [29.3]	100,000 [29.3]	135,000 [39.6]	135,000 [39.6]
Heating Output Btu [kW]	78,500 [23]	78,500 [23]	106,500 [31.2]	106,500 [31.2]
Temperature Rise Range °F [°C]	40-70 [22.2/38.9]	40-70 [22.2/38.9]	50-80 [27.8/44.4]	50-80 [27.8/44.4]
AFUE %	80	80	80	80
Steady State Efficiency (%)	79	79	79	79
California Seasonal Eff. (%)	75.5	75.5	76.5	76.5
No. Burners	5	5	6	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	78	78	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	5 / 13 [5]	5 / 13 [5]	5 / 13 [5]	5 / 13 [5]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3700 [1746]	3700 [1746]	3700 [1746]	3700 [1746]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Direct/3	Direct/3	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	48	48	48	48
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	176 [4990]	176 [4990]	176 [4990]	176 [4990]
Weights				
Net Weight lbs. [kg]	580 [263]	580 [263]	585 [265]	585 [265]
Ship Weight lbs. [kg]	587 [266]	587 [266]	592 [269]	592 [269]

See Page 64 for Notes.

[] Designates Metric Conversions



GENERAL DATA—RKMA- SERIES

NOM. SIZES 3-6 TONS [10.6-21.1 kW] ENERGYSTAR COMPLIANT THRU 12/31/03

Model RKMA- Series	A048YL08E	A048YL10E	A048YL13E	A048YM08E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	50,000 [14.6]	50,000 [14.6]	50,000 [14.6]	50,000 [14.6]
EER/SEER ²	10.5/12	10.5/12	10.5/12	10.5/12
Nominal CFM/ARI Rated CFM [L/s]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]
ARI Net Cooling Capacity Btu [kW]	48,000 [14.1]	48,000 [14.1]	48,000 [14.1]	48,000 [14.1]
Net Sensible Capacity Btu [kW]	35,500 [10.4]	35,500 [10.4]	35,500 [10.4]	35,500 [10.4]
Net Latent Capacity Btu [kW]	12,500 [3.7]	12,500 [3.7]	12,500 [3.7]	12,500 [3.7]
Net System Power kW	4.6	4.6	4.6	4.6
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	80,000 [23.4]	100,000 [29.3]	135,000 [39.6]	80,000 [23.4]
Heating Output Btu [kW]	64,800 [19]	81,000 [23.7]	109,400 [32.1]	64,800 [19]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	30-60 [16.7/33.3]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	5	6	4
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	78	78	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	5 / 13 [5]	5 / 13 [5]	5 / 13 [5]	5 / 13 [5]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3700 [1746]	3700 [1746]	3700 [1746]	3700 [1746]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	176 [4990]	176 [4990]	176 [4990]	176 [4990]
Weights				
Net Weight lbs. [kg]	580 [263]	580 [263]	585 [265]	580 [263]
Ship Weight lbs. [kg]	587 [266]	587 [266]	592 [269]	587 [266]

See Page 64 for Notes.

[] Designates Metric Conversions

GENERAL DATA—RKMA- SERIES



NOM. SIZES 3-6 TONS [10.6-21.1 kW] ENERGYSTAR COMPLIANT THRU 12/31/03

Model RKMA- Series	A048YM10E	A048YM13E	A060CL10E	A060CL13E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	50,000 [14.6]	50,000 [14.6]	61,000 [17.9]	61,000 [17.9]
EER/SEER ²	10.5/12	10.5/12	10.5/12	10.5/12
Nominal CFM/ARI Rated CFM [L/s]	1600/1600 [755/755]	1600/1600 [755/755]	2000/1900 [944/897]	2000/1900 [944/897]
ARI Net Cooling Capacity Btu [kW]	48,000 [14.1]	48,000 [14.1]	58,500 [17.1]	58,500 [17.1]
Net Sensible Capacity Btu [kW]	35,500 [10.4]	35,500 [10.4]	43,000 [12.6]	43,000 [12.6]
Net Latent Capacity Btu [kW]	12,500 [3.7]	12,500 [3.7]	15,500 [4.5]	15,500 [4.5]
Net System Power kW	4.6	4.6	5.6	5.6
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	100,000 [29.3]	135,000 [39.6]	100,000 [29.3]	135,000 [39.6]
Heating Output Btu [kW]	81,000 [23.7]	109,400 [32.1]	81,000 [23.7]	109,400 [32.1]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	25-55 [13.9/30.6]	40-70 [22.2/38.9]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	5	6	5	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	78	78	83	83
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Rifled	Rifled
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	5 / 13 [5]	5 / 13 [5]	5 / 13 [5]	5 / 13 [5]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3700 [1746]	3700 [1746]	4000 [1888]	4000 [1888]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1/2	1/2	3/4	3/4
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	176 [4990]	176 [4990]	184 [5216]	184 [5216]
Weights				
Net Weight lbs. [kg]	580 [263]	580 [263]	590 [268]	597 [271]
Ship Weight lbs. [kg]	587 [266]	587 [266]	597 [271]	604 [274]

See Page 64 for Notes.

[] Designates Metric Conversions



GENERAL DATA—RKMA- SERIES

NOM. SIZES 3-6 TONS [10.6-21.1 kW] ENERGYSTAR COMPLIANT THRU 12/31/03

Model RKMA- Series	A060CM10E	A060CM13E	A060DL10E	A060DL13E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	61,000 [17.9]	61,000 [17.9]	61,000 [17.9]	61,000 [17.9]
EER/SEER ²	10.5/12	10.5/12	10.5/12	10.5/12
Nominal CFM/ARI Rated CFM [L/s]	2000/1900 [944/897]	2000/1900 [944/897]	2000/1900 [944/897]	2000/1900 [944/897]
ARI Net Cooling Capacity Btu [kW]	58,500 [17.1]	58,500 [17.1]	58,500 [17.1]	58,500 [17.1]
Net Sensible Capacity Btu [kW]	43,000 [12.6]	43,000 [12.6]	43,000 [12.6]	43,000 [12.6]
Net Latent Capacity Btu [kW]	15,500 [4.5]	15,500 [4.5]	15,500 [4.5]	15,500 [4.5]
Net System Power kW	5.6	5.6	5.6	5.6
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	100,000 [29.3]	135,000 [39.6]	100,000 [29.3]	135,000 [39.6]
Heating Output Btu [kW]	81,000 [23.7]	109,400 [32.1]	81,000 [23.7]	109,400 [32.1]
Temperature Rise Range °F [°C]	25-55 [13.9/30.6]	40-70 [22.2/38.9]	25-55 [13.9/30.6]	40-70 [22.2/38.9]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	5	6	5	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	83	83	83	83
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	5 / 13 [5]	5 / 13 [5]	5 / 13 [5]	5 / 13 [5]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4000 [1888]	4000 [1888]	4000 [1888]	4000 [1888]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1	1	3/4	3/4
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	184 [5216]	184 [5216]	184 [5216]	184 [5216]
Weights				
Net Weight lbs. [kg]	590 [268]	590 [268]	590 [268]	597 [271]
Ship Weight lbs. [kg]	597 [271]	597 [271]	597 [271]	604 [274]

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[] Designates Metric Conversions

GENERAL DATA—RKMA- SERIES



NOM. SIZES 3-6 TONS [10.6-21.1 kW] ENERGYSTAR COMPLIANT THRU 12/31/03

Model RKMA- Series	A060DM10E	A060DM13E	A060JL10E	A060JL10X
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	61,000 [17.9]	61,000 [17.9]	61,000 [17.9]	61,000 [17.9]
EER/SEER ²	10.5/12	10.5/12	10.5/12	10.5/12
Nominal CFM/ARI Rated CFM [L/s]	2000/1900 [944/897]	2000/1900 [944/897]	2000/1900 [944/897]	2000/1900 [944/897]
ARI Net Cooling Capacity Btu [kW]	58,500 [17.1]	58,500 [17.1]	58,500 [17.1]	58,500 [17.1]
Net Sensible Capacity Btu [kW]	43,000 [12.6]	43,000 [12.6]	43,000 [12.6]	43,000 [12.6]
Net Latent Capacity Btu [kW]	15,500 [4.5]	15,500 [4.5]	15,500 [4.5]	15,500 [4.5]
Net System Power kW	5.6	5.6	5.6	5.6
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	100,000 [29.3]	135,000 [39.6]	100,000 [29.3]	100,000 [29.3]
Heating Output Btu [kW]	81,000 [23.7]	109,400 [32.1]	78,500 [23]	78,500 [23]
Temperature Rise Range °F [°C]	25-55 [13.9/30.6]	40-70 [22.2/38.9]	25-55 [13.9/30.6]	25-55 [13.9/30.6]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	79	79
California Seasonal Eff. (%)	—	—	75.5	75.5
No. Burners	5	6	5	5
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	83	83	83	83
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	5 / 13 [5]	5 / 13 [5]	5 / 13 [5]	5 / 13 [5]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4000 [1888]	4000 [1888]	4000 [1888]	4000 [1888]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1	1	3/4	3/4
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	48	48
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	184 [5216]	184 [5216]	184 [5216]	184 [5216]
Weights				
Net Weight lbs. [kg]	590 [268]	590 [268]	590 [268]	590 [268]
Ship Weight lbs. [kg]	597 [271]	597 [271]	597 [271]	597 [271]

See Page 64 for Notes.

[] Designates Metric Conversions



GENERAL DATA—RKMA- SERIES

NOM. SIZES 3-6 TONS [10.6-21.1 kW] ENERGYSTAR COMPLIANT THRU 12/31/03

Model RKMA- Series	A060JL13E	A060JL13X	A060YL10E	A060YL13E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	61,000 [17.9]	61,000 [17.9]	61,000 [17.9]	61,000 [17.9]
EER/SEER ²	10.5/12	10.5/12	10.5/12	10.5/12
Nominal CFM/ARI Rated CFM [L/s]	2000/1900 [944/897]	2000/1900 [944/897]	2000/1900 [944/897]	2000/1900 [944/897]
ARI Net Cooling Capacity Btu [kW]	58,500 [17.1]	58,500 [17.1]	58,500 [17.1]	58,500 [17.1]
Net Sensible Capacity Btu [kW]	43,000 [12.6]	43,000 [12.6]	43,000 [12.6]	43,000 [12.6]
Net Latent Capacity Btu [kW]	15,500 [4.5]	15,500 [4.5]	15,500 [4.5]	15,500 [4.5]
Net System Power kW	5.6	5.6	5.6	5.6
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	135,000 [39.6]	135,000 [39.6]	100,000 [29.3]	135,000 [39.6]
Heating Output Btu [kW]	106,500 [31.2]	106,500 [31.2]	81,000 [23.7]	109,400 [32.1]
Temperature Rise Range °F [°C]	40-70 [22.2/38.9]	40-70 [22.2/38.9]	25-55 [13.9/30.6]	40-70 [22.2/38.9]
AFUE %	80	80	80	80
Steady State Efficiency (%)	79	79	81	81
California Seasonal Eff. (%)	76	76	—	—
No. Burners	6	6	5	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵	83	83	83	83
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	5 / 13 [5]	5 / 13 [5]	5 / 13 [5]	5 / 13 [5]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4000 [1888]	4000 [1888]	4000 [1888]	4000 [1888]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	3/4	3/4	3/4	3/4
Motor RPM	1725	1725	1725	1725
Motor Frame Size	48	48	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	184 [5216]	184 [5216]	184 [5216]	184 [5216]
Weights				
Net Weight lbs. [kg]	597 [271]	597 [271]	590 [268]	597 [271]
Ship Weight lbs. [kg]	604 [274]	604 [274]	597 [271]	604 [274]

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[] Designates Metric Conversions

GENERAL DATA—RKMA- SERIES



NOM. SIZES 3-6 TONS [10.6-21.1 kW] ENERGYSTAR COMPLIANT THRU 12/31/03

Model RKMA- Series	A060YM10E	A060YM13E
Cooling Performance¹		
Gross Cooling Capacity Btu [kW]	61,000 [17.9]	61,000 [17.9]
EER/SEER ²	10.5/12	10.5/12
Nominal CFM/ARI Rated CFM [L/s]	2000/1900 [944/897]	2000/1900 [944/897]
ARI Net Cooling Capacity Btu [kW]	58,500 [17.1]	58,500 [17.1]
Net Sensible Capacity Btu [kW]	43,000 [12.6]	43,000 [12.6]
Net Latent Capacity Btu [kW]	15,500 [4.5]	15,500 [4.5]
Integrated Part Load Value ³	NA	NA
Net System Power kW	5.6	5.6
Heating Performance (Package Gas/Electric)⁴		
Heating Input Btu [kW]	100,000 [29.3]	135,000 [39.6]
Heating Output Btu [kW]	81,000 [23.7]	109,400 [32.1]
Temperature Rise Range °F [°C]	25-55 [13.9/30.6]	40-70 [22.2/38.9]
AFUE %	80	80
Steady State Efficiency (%)	81	81
No. Burners	5	6
No. Stages	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]
Compressor		
No./Type	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)⁵		
	83	83
Outdoor Coil—Fin Type		
Tube Type	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type		
Tube Type	Rifled	Rifled
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	5 / 13 [5]	5 / 13 [5]
Refrigerant Control	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type		
	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1
CFM [L/s]	4000 [1888]	4000 [1888]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075
Indoor Fan—Type		
	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable
No. Motors	1	1
Motor HP	1	1
Motor RPM	1725	1725
Motor Frame Size	56	56
Filter—Type		
	Disposable	Disposable
Furnished	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]		
	184 [5216]	184 [5216]
Weights		
Net Weight lbs. [kg]	590 [268]	590 [268]
Ship Weight lbs. [kg]	597 [271]	597 [271]

CONTINUED →

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[] Designates Metric Conversions



NOM. SIZES 3-6 TONS [10.6-21.1 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKMA- Series	A072CL10E	A072CL13E	A072CM10E	A072CM13E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	75,000 [22]	75,000 [22]	75,000 [22]	75,000 [22]
EER/SEER ²	10.3/NA	10.3/NA	10.3/NA	10.3/NA
Nominal CFM/ARI Rated CFM [L/s]	2400/2400 [1133/1133]	2400/2400 [1133/1133]	2400/2400 [1133/1133]	2400/2400 [1133/1133]
ARI Net Cooling Capacity Btu [kW]	72,000 [21.1]	72,000 [21.1]	72,000 [21.1]	72,000 [21.1]
Net Sensible Capacity Btu [kW]	53,000 [15.5]	53,000 [15.5]	53,000 [15.5]	53,000 [15.5]
Net Latent Capacity Btu [kW]	19,000 [5.6]	19,000 [5.6]	19,000 [5.6]	19,000 [5.6]
Integrated Part Load Value ³	11.5	11.5	11.5	11.5
Net System Power kW	7	7	7	7
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	100,000 [29.3]	135,000 [39.6]	100,000 [29.3]	135,000 [39.6]
Heating Output Btu [kW]	81,000 [23.7]	109,400 [32.1]	81,000 [23.7]	109,400 [32.1]
Temperature Rise Range °F [°C]	20-50 [11.1/27.8]	30-60 [16.7/33.3]	20-50 [11.1/27.8]	30-60 [16.7/33.3]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	5	6	5	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	2/Copeland Scroll	2/Copeland Scroll	2/Copeland Scroll	2/Copeland Scroll
Outdoor Sound Rating (dB)⁵	83	83	83	83
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	6.5 [0.6]	6.5 [0.6]	6.5 [0.6]	6.5 [0.6]
Rows / FPI [FPcm]	4 / 12 [5]	4 / 12 [5]	4 / 12 [5]	4 / 12 [5]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4000 [1888]	4000 [1888]	4000 [1888]	4000 [1888]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x12[279.4x304.8]	1/11x12[279.4x304.8]	1/11x12[279.4x304.8]	1/11x12[279.4x304.8]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1 1/2	1 1/2	1 1/2	1 1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(4)2x16x16 [51x406x406]	(4)2x16x16 [51x406x406]	(4)2x16x16 [51x406x406]	(4)2x16x16 [51x406x406]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	88/88 [2495/2495]	88/88 [2495/2495]	88/88 [2495/2495]	88/88 [2495/2495]
Weights				
Net Weight lbs. [kg]	608 [276]	608 [276]	615 [279]	615 [279]
Ship Weight lbs. [kg]	615 [279]	615 [279]	608 [276]	608 [276]

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[] Designates Metric Conversions

NOM. SIZES 3-6 TONS [10.6-21.1 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKMA- Series	A072DL10E	A072DL13E	A072DM10E	A072DM13E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	75,000 [22]	75,000 [22]	75,000 [22]	75,000 [22]
EER/SEER ²	10.3/NA	10.3/NA	10.3/NA	10.3/NA
Nominal CFM/ARI Rated CFM [L/s]	2400/2400 [1133/1133]	2400/2400 [1133/1133]	2400/2400 [1133/1133]	2400/2400 [1133/1133]
ARI Net Cooling Capacity Btu [kW]	72,000 [21.1]	72,000 [21.1]	72,000 [21.1]	72,000 [21.1]
Net Sensible Capacity Btu [kW]	53,000 [15.5]	53,000 [15.5]	53,000 [15.5]	53,000 [15.5]
Net Latent Capacity Btu [kW]	19,000 [5.6]	19,000 [5.6]	19,000 [5.6]	19,000 [5.6]
Integrated Part Load Value ³	11.5	11.5	11.5	11.5
Net System Power KW	7	7	7	7
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW]	100,000 [29.3]	135,000 [39.6]	100,000 [29.3]	135,000 [39.6]
Heating Output Btu [kW]	81,000 [23.7]	109,400 [32.1]	81,000 [23.7]	109,400 [32.1]
Temperature Rise Range °F [°C]	20-50 [11.1/27.8]	30-60 [16.7/33.3]	20-50 [11.1/27.8]	30-60 [16.7/33.3]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	5	6	5	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	2/Copeland Scroll	2/Copeland Scroll	2/Copeland Scroll	2/Copeland Scroll
Outdoor Sound Rating (dB)⁵	83	83	83	83
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	6.5 [0.6]	6.5 [0.6]	6.5 [0.6]	6.5 [0.6]
Rows / FPI [FPcm]	4 / 12 [5]	4 / 12 [5]	4 / 12 [5]	4 / 12 [5]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4000 [1888]	4000 [1888]	4000 [1888]	4000 [1888]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x12[279.4x304.8]	1/11x12[279.4x304.8]	1/11x12[279.4x304.8]	1/11x12[279.4x304.8]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1 1/2	1 1/2	1 1/2	1 1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(4)2x16x16 [51x406x406]	(4)2x16x16 [51x406x406]	(4)2x16x16 [51x406x406]	(4)2x16x16 [51x406x406]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	88/88 [2495/2495]	88/88 [2495/2495]	88/88 [2495/2495]	88/88 [2495/2495]
Weights				
Net Weight lbs. [kg]	608 [276]	608 [276]	608 [276]	608 [276]
Ship Weight lbs. [kg]	615 [279]	615 [279]	615 [279]	615 [279]

See Page 64 for Notes.

[] Designates Metric Conversions



NOM. SIZES 3-6 TONS [10.6-21.1 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKMA- Series	A072YL10E	A072YL13E	A072YM10E	A072YM13E
Cooling Performance¹				
Gross Cooling Capacity Btu [kW]	75,000 [22]	75,000 [22]	75,000 [22]	75,000 [22]
EER/SEER ²	10.3/NA	10.3/NA	10.3/NA	10.3/NA
Nominal CFM/ARI Rated CFM [L/s]	2400/2400 [1133/1133]	2400/2400 [1133/1133]	2400/2400 [1133/1133]	2400/2400 [1133/1133]
ARI Net Cooling Capacity Btu [kW]	72,000 [21.1]	72,000 [21.1]	72,000 [21.1]	72,000 [21.1]
Net Sensible Capacity Btu [kW]	53,000 [15.5]	53,000 [15.5]	53,000 [15.5]	53,000 [15.5]
Net Latent Capacity Btu [kW]	19,000 [5.6]	19,000 [5.6]	19,000 [5.6]	19,000 [5.6]
Integrated Part Load Value ³	11.5	11.5	11.5	11.5
Net System Power kW	7	7	7	7
Heating Performance (Package Gas/Electric)⁴				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	100,000 [29.3]	135,000 [39.6]	100,000 [29.3]	135,000 [39.6]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	81,000 [23.7]	109,400 [32.1]	81,000 [23.7]	109,400 [32.1]
Temperature Rise Range °F [°C]	20-50 [11.1/27.8]	30-60 [16.7/33.3]	20-50 [11.1/27.8]	30-60 [16.7/33.3]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	5	6	5	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	2/Copeland Scroll	2/Copeland Scroll	2/Copeland Scroll	2/Copeland Scroll
Outdoor Sound Rating (dB)⁵				
	83	83	83	83
Outdoor Coil—Fin Type				
Tube Type	Louvered	Louvered	Louvered	Louvered
Tube Size in. [mm] OD	Rifled	Rifled	Rifled	Rifled
Face Area sq. ft. [sq. m]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Rows / FPI [FPcm]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type				
Tube Type	Louvered	Louvered	Louvered	Louvered
Tube Size in. [mm]	Rifled	Rifled	Rifled	Rifled
Face Area sq. ft. [sq. m]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Rows / FPI [FPcm]	6.5 [0.6]	6.5 [0.6]	6.5 [0.6]	6.5 [0.6]
	4 / 12 [5]	4 / 12 [5]	4 / 12 [5]	4 / 12 [5]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type				
	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4000 [1888]	4000 [1888]	4000 [1888]	4000 [1888]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type				
	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x12[279.4x304.8]	1/11x12[279.4x304.8]	1/11x12[279.4x304.8]	1/11x12[279.4x304.8]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1 1/2	1 1/2	1 1/2	1 1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type				
	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(4)2x16x16 [51x406x406]	(4)2x16x16 [51x406x406]	(4)2x16x16 [51x406x406]	(4)2x16x16 [51x406x406]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]				
	88/88 [2495/2495]	88/88 [2495/2495]	88/88 [2495/2495]	88/88 [2495/2495]
Weights				
Net Weight lbs. [kg]	608 [276]	608 [276]	608 [276]	608 [276]
Ship Weight lbs. [kg]	615 [279]	615 [279]	615 [279]	615 [279]

See Page 64 for Notes.

[] Designates Metric Conversions



NOTES:

1. Cooling Performance is rated at 95° F ambient, 80° F entering dry bulb, 67° F entering wet bulb. Gross capacity does not include the effect of fan motor heat. ARI capacity is net and includes the effect of fan motor heat. Units are suitable for operation to $\pm 20\%$ of nominal cfm. Units are certified in accordance with the Unitary Air Conditioner Equipment certification program, which is based on ARI Standard 210/240 or 360.
2. EER and/or SEER are rated at ARI conditions and in accordance with DOE test procedures.
3. Integrated Part Load Value is rated in accordance with ARI Standard 210/240 or 360. Units are rated at 80° F ambient, 80° F entering dry bulb, and 67° F entering wet bulb at ARI rated cfm.
4. Heating Performance limit settings and rating data were established and approved under laboratory test conditions using American National Standard Institute standards. Ratings shown are for elevations up to 2000 feet. For elevations above 2000 feet, ratings should be reduced at the rate of 4% for each 1000 feet above sea level.
5. Outdoor Sound Rating shown is tested in accordance with ARI Standard 270.

[] Designates Metric Conversions



SYSTEMS PERFORMANCE—RKKA- SERIES

GROSS SYSTEMS PERFORMANCE DATA—A036

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①											
wbE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]		1500 [707.9]	1200 [566.3]	900 [424.8]	1500 [707.9]	1200 [566.3]	900 [424.8]	1500 [707.9]	1200 [566.3]	900 [424.8]	
DR ①		.18	.15	.10	.18	.15	.10	.18	.15	.10	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	43.4 [12.72] 28.2 [8.26] 2.9	41.7 [12.22] 24.9 [7.30] 2.9	40.0 [11.72] 21.7 [6.36] 2.8	41.6 [12.19] 33.0 [9.67] 2.9	39.9 [11.69] 29.8 [8.73] 2.8	38.2 [11.20] 26.5 [7.77] 2.8	39.8 [11.66] 38.0 [11.14] 2.9	38.1 [11.17] 34.7 [10.17] 2.8	36.4 [10.67] 31.5 [9.23] 2.7
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	42.9 [12.57] 27.7 [8.12] 3.1	41.2 [12.07] 24.5 [7.21] 3.0	39.5 [11.58] 21.2 [6.21] 3.0	41.1 [12.05] 32.6 [9.55] 3.1	39.4 [11.55] 29.3 [8.59] 3.0	37.7 [11.05] 26.0 [7.62] 2.9	39.3 [11.52] 37.5 [10.99] 3.1	37.6 [11.02] 34.2 [10.02] 3.0	35.9 [10.52] 31.0 [9.09] 2.9
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	42.3 [12.40] 27.3 [8.00] 3.3	40.6 [11.90] 24.0 [7.03] 3.2	38.9 [11.40] 20.8 [6.10] 3.1	40.6 [11.90] 32.1 [9.41] 3.3	38.9 [11.40] 28.9 [8.47] 3.2	37.2 [10.90] 25.6 [7.50] 3.1	38.8 [11.37] 37.1 [10.87] 3.2	37.1 [10.87] 33.8 [9.91] 3.1	35.4 [10.37] 30.5 [8.94] 3.1
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	41.7 [12.22] 26.9 [7.88] 3.4	40.0 [11.72] 23.6 [6.92] 3.4	38.3 [11.22] 20.3 [5.95] 3.3	40.0 [11.72] 31.7 [9.29] 3.4	38.3 [11.22] 28.5 [8.35] 3.4	36.6 [10.73] 25.2 [7.39] 3.3	38.1 [11.17] 36.7 [10.76] 3.4	36.4 [10.67] 33.4 [9.79] 3.3	34.7 [10.17] 30.1 [8.82] 3.2
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	41.0 [12.02] 26.5 [7.77] 3.6	39.3 [11.52] 23.2 [6.80] 3.5	37.6 [11.02] 20.0 [5.86] 3.5	39.3 [11.52] 31.3 [9.17] 3.6	37.6 [11.02] 28.1 [8.24] 3.5	35.8 [10.49] 24.8 [7.27] 3.5	37.4 [10.96] 36.3 [10.64] 3.6	35.7 [10.46] 33.0 [9.67] 3.5	34.0 [9.96] 29.7 [8.70] 3.4
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	40.2 [11.78] 26.1 [7.65] 3.8	38.5 [11.28] 22.8 [6.68] 3.7	36.8 [10.78] 19.5 [5.71] 3.6	38.4 [11.25] 30.9 [9.06] 3.8	36.7 [10.76] 27.6 [8.09] 3.7	35.0 [10.26] 24.4 [7.15] 3.6	36.6 [10.73] 35.9 [10.52] 3.7	34.9 [10.23] 32.6 [9.55] 3.7	33.2 [9.73] 29.3 [8.59] 3.6
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	39.2 [11.49] 25.7 [7.53] 4.0	37.5 [10.99] 22.4 [6.56] 3.9	35.8 [10.49] 19.1 [5.60] 3.8	37.5 [10.99] 30.5 [8.94] 3.9	35.8 [10.49] 27.2 [7.97] 3.9	34.0 [9.96] 24.0 [7.03] 3.8	35.6 [10.43] 35.4 [10.37] 3.9	33.9 [9.94] 32.2 [9.44] 3.8	32.2 [9.44] 28.9 [8.47] 3.8
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	38.1 [11.17] 25.2 [7.39] 4.1	36.4 [10.67] 21.9 [6.42] 4.0	34.7 [10.17] 18.7 [5.48] 4.0	36.3 [10.64] 30.0 [8.79] 4.1	34.6 [10.14] 26.8 [7.85] 4.0	32.9 [9.64] 23.5 [6.89] 4.0	34.5 [10.11] 34.5 [10.11] 4.1	32.8 [9.61] 31.7 [9.29] 4.0	31.1 [9.11] 28.4 [8.32] 3.9
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	36.8 [10.78] 24.7 [7.24] 4.3	35.1 [10.29] 21.4 [6.27] 4.2	33.4 [9.79] 18.1 [5.30] 4.1	35.0 [10.26] 29.5 [8.65] 4.3	33.3 [9.76] 26.2 [7.68] 4.2	31.6 [9.26] 23.0 [6.74] 4.1	33.2 [9.73] 33.2 [9.73] 4.2	31.5 [9.23] 31.2 [9.14] 4.2	29.8 [8.73] 27.9 [8.18] 4.1

GROSS SYSTEMS PERFORMANCE DATA—A042

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①											
wbE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]		1750 [825.9]	1400 [660.7]	1050 [495.5]	1750 [825.9]	1400 [660.7]	1050 [495.5]	1750 [825.9]	1400 [660.7]	1050 [495.5]	
DR ①		.13	.09	.03	.13	.09	.03	.13	.09	.03	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	49.5 [14.51] 34.5 [10.11] 3.5	47.5 [13.92] 30.6 [8.97] 3.4	45.6 [13.36] 26.6 [7.80] 3.3	48.0 [14.07] 39.5 [11.58] 3.5	46.0 [13.48] 35.6 [10.43] 3.4	44.0 [12.90] 31.6 [9.26] 3.4	45.4 [13.31] 34.4 [10.11] 3.4	43.4 [12.72] 41.9 [12.28] 3.3	41.5 [12.16] 37.9 [11.11] 3.3
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	49.1 [14.39] 34.1 [9.99] 3.8	47.1 [13.80] 30.2 [8.85] 3.7	45.1 [13.22] 26.2 [7.68] 3.6	47.6 [13.95] 39.1 [11.46] 3.8	45.6 [13.36] 35.1 [10.29] 3.7	43.6 [12.78] 31.2 [9.14] 3.6	45.0 [13.19] 35.0 [10.29] 3.7	43.0 [12.60] 41.5 [12.16] 3.6	41.0 [12.02] 37.5 [10.99] 3.5
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	48.6 [14.24] 33.7 [9.88] 4.0	46.6 [13.66] 29.8 [8.73] 3.9	44.6 [13.07] 25.8 [7.56] 3.8	47.1 [13.80] 38.7 [11.34] 4.0	45.1 [13.22] 34.7 [10.17] 3.9	43.1 [12.63] 30.8 [9.03] 3.8	44.5 [13.04] 34.5 [10.37] 3.9	42.5 [12.46] 41.0 [12.02] 3.8	40.5 [11.87] 37.1 [10.87] 3.7
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	48.1 [14.10] 33.3 [9.76] 4.2	46.1 [13.51] 29.3 [8.59] 4.1	44.1 [12.92] 25.4 [7.44] 4.0	46.5 [13.63] 38.3 [11.22] 4.2	44.5 [13.04] 34.3 [10.05] 4.1	42.6 [12.48] 30.4 [8.91] 4.1	44.0 [12.90] 34.0 [9.81] 4.1	42.0 [12.31] 40.6 [11.90] 4.0	40.0 [11.72] 36.7 [10.76] 4.0
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	47.4 [13.89] 32.9 [9.64] 4.5	45.4 [13.31] 28.9 [8.47] 4.4	43.4 [12.72] 25.0 [7.33] 4.3	45.8 [13.42] 37.8 [11.08] 4.5	43.9 [12.87] 33.9 [9.94] 4.4	41.9 [12.28] 29.9 [8.76] 4.3	43.3 [12.69] 34.3 [10.11] 4.4	41.3 [12.10] 40.2 [11.78] 4.3	39.3 [11.52] 36.2 [10.61] 4.2
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	46.5 [13.63] 32.3 [9.47] 4.7	44.5 [13.04] 28.4 [8.32] 4.6	42.5 [12.46] 24.4 [7.15] 4.5	44.9 [13.16] 37.3 [10.93] 4.7	42.9 [12.57] 33.3 [9.76] 4.6	40.9 [11.99] 29.4 [8.62] 4.5	42.4 [12.43] 34.4 [10.11] 4.6	40.4 [11.84] 39.7 [11.63] 4.5	38.4 [11.25] 35.7 [10.46] 4.4
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	45.3 [13.28] 31.7 [9.29] 4.9	43.3 [12.69] 27.8 [8.15] 4.8	41.3 [12.10] 23.8 [6.98] 4.7	43.7 [12.81] 36.7 [10.76] 4.9	41.7 [12.22] 32.7 [9.58] 4.8	39.7 [11.63] 28.8 [8.44] 4.8	41.2 [12.07] 34.4 [10.11] 4.8	39.2 [11.49] 39.1 [11.46] 4.7	37.2 [10.90] 35.1 [10.29] 4.7
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	43.7 [12.81] 31.0 [9.09] 5.2	41.7 [12.22] 27.0 [7.91] 5.1	39.7 [11.63] 23.1 [6.77] 5.0	42.2 [12.37] 35.9 [10.52] 5.2	40.2 [11.78] 32.0 [9.38] 5.1	38.2 [11.19] 28.0 [8.21] 5.0	39.6 [11.61] 39.6 [11.61] 5.1	37.6 [11.02] 37.6 [11.02] 5.0	35.6 [10.43] 34.3 [10.05] 4.9
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	41.7 [12.22] 30.0 [8.79] 5.4	39.7 [11.63] 26.1 [7.65] 5.3	37.7 [11.05] 22.1 [6.48] 5.2	40.2 [11.78] 35.0 [10.26] 5.4	38.2 [11.20] 31.0 [9.09] 5.3	36.2 [10.61] 27.1 [7.94] 5.2	37.6 [11.02] 37.6 [11.02] 5.3	35.6 [10.43] 35.6 [10.43] 5.2	33.6 [9.85] 33.4 [9.79] 5.1

DR —Depression ratio
dbE—Entering air dry bulb
wbE—Entering air wet bulb

Total —Total capacity x 1000 BTUH
Sens —Sensible capacity x 1000 BTUH
Power—KW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$.

[] Designates Metric Conversions

SYSTEMS PERFORMANCE—RKKA- SERIES



GROSS SYSTEMS PERFORMANCE DATA—A048

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①										
wbE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]		
CFM [L/s]		2000 [943.9]	1600 [755.1]	1200 [566.3]	2000 [943.9]	1600 [755.1]	1200 [566.3]	2000 [943.9]	1600 [755.1]	1200 [566.3]
DR ①		.18	.14	.09	.18	.14	.09	.18	.14	.09
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	54.2 [15.88] 34.6 [10.14] 3.6	51.9 [15.21] 30.2 [8.85] 3.5	49.7 [14.57] 25.8 [7.56] 3.5	52.9 [15.50] 42.1 [12.34] 3.6	50.6 [14.83] 37.7 [11.05] 3.5	48.3 [14.16] 33.3 [9.76] 3.5	51.0 [14.95] 48.4 [14.18] 3.6	46.5 [13.63] 39.7 [11.63] 3.4
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	54.1 [15.86] 34.7 [10.17] 3.9	51.8 [15.18] 30.3 [8.88] 3.8	49.5 [14.51] 25.9 [7.59] 3.7	52.7 [15.44] 42.3 [12.40] 3.9	50.4 [14.77] 37.9 [11.11] 3.8	48.2 [14.13] 33.5 [9.82] 3.7	50.9 [14.92] 48.6 [14.24] 3.8	46.3 [13.57] 39.8 [11.66] 3.6
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	54.0 [15.83] 34.7 [10.17] 4.1	51.7 [15.15] 30.3 [8.88] 4.0	49.4 [14.48] 25.9 [7.59] 3.9	52.7 [15.44] 42.3 [12.40] 4.1	50.4 [14.77] 37.9 [11.11] 4.0	48.1 [14.10] 33.5 [9.82] 3.9	50.8 [14.89] 48.6 [14.24] 4.0	46.2 [13.54] 39.8 [11.66] 3.8
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	53.9 [15.80] 34.6 [10.14] 4.3	51.7 [15.15] 30.2 [8.85] 4.2	49.4 [14.48] 25.8 [7.56] 4.1	52.6 [15.42] 42.2 [12.37] 4.3	50.3 [14.74] 37.8 [11.08] 4.2	48.1 [14.10] 33.4 [9.79] 4.1	50.7 [14.86] 48.5 [14.21] 4.2	46.2 [13.54] 39.7 [11.63] 4.1
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	53.7 [15.74] 34.5 [10.11] 4.5	51.5 [15.09] 30.1 [8.82] 4.4	49.2 [14.42] 25.7 [7.53] 4.3	52.4 [15.36] 42.0 [12.31] 4.5	50.1 [14.68] 37.6 [11.02] 4.4	47.9 [14.09] 33.2 [9.73] 4.3	50.6 [14.83] 48.4 [14.18] 4.5	46.0 [13.48] 39.6 [11.61] 4.3
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	53.3 [15.62] 34.3 [10.05] 4.7	51.0 [14.95] 30.0 [8.79] 4.6	48.7 [14.27] 25.6 [7.51] 4.6	52.0 [15.24] 41.9 [12.28] 4.7	49.7 [14.57] 37.5 [10.99] 4.6	47.4 [13.89] 33.1 [9.70] 4.5	50.1 [14.68] 48.2 [14.13] 4.7	45.5 [13.33] 39.5 [11.58] 4.5
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	52.5 [15.39] 34.3 [10.05] 5.0	50.2 [14.71] 29.9 [8.76] 4.9	47.9 [14.04] 25.5 [7.47] 4.8	51.1 [14.98] 41.9 [12.28] 5.0	48.9 [14.33] 37.5 [10.99] 4.9	46.6 [13.66] 33.1 [9.70] 4.8	49.3 [14.45] 48.2 [14.13] 4.9	44.7 [13.10] 39.4 [11.55] 4.7
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	51.1 [14.98] 34.4 [10.08] 5.2	48.8 [14.30] 30.0 [8.79] 5.1	46.6 [13.66] 25.6 [7.51] 5.0	49.8 [14.59] 42.0 [12.31] 5.2	47.5 [13.92] 37.6 [11.02] 5.1	45.2 [13.25] 33.2 [9.73] 5.0	47.9 [14.04] 43.9 [12.87] 5.1	43.4 [12.72] 39.5 [11.58] 4.9
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	49.1 [14.39] 34.7 [10.17] 5.4	46.9 [13.74] 30.3 [8.88] 5.3	44.6 [13.07] 25.9 [7.59] 5.2	47.8 [14.01] 42.3 [12.40] 5.4	45.5 [13.33] 37.9 [11.11] 5.3	43.3 [12.69] 33.5 [9.82] 5.2	46.0 [13.48] 43.7 [12.81] 5.3	41.4 [12.13] 39.8 [11.66] 5.2

GROSS SYSTEMS PERFORMANCE DATA—A060

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①										
wbE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]		
CFM [L/s]		2500 [1179.9]	2000 [943.9]	1500 [707.9]	2500 [1179.9]	2000 [943.9]	1500 [707.9]	2500 [1179.9]	2000 [943.9]	1500 [707.9]
DR ①		.18	.14	.09	.18	.14	.09	.18	.14	.09
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	72.7 [21.31] 46.0 [13.48] 4.6	69.8 [20.46] 40.5 [11.87] 4.5	66.9 [19.61] 35.0 [10.26] 4.3	69.3 [20.31] 54.6 [16.00] 4.5	66.4 [19.46] 49.1 [14.39] 4.4	63.6 [18.64] 43.6 [12.78] 4.3	65.8 [19.28] 62.7 [18.38] 4.4	60.1 [17.61] 51.7 [15.15] 4.2
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	72.2 [21.16] 45.5 [13.33] 4.9	69.3 [20.31] 40.0 [11.72] 4.8	66.4 [19.46] 34.5 [10.11] 4.6	68.8 [20.16] 54.0 [15.83] 4.8	65.9 [19.31] 48.5 [14.21] 4.7	63.0 [18.46] 43.1 [12.63] 4.6	65.3 [19.14] 62.1 [18.20] 4.7	59.6 [17.47] 51.2 [15.01] 4.5
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	71.4 [20.93] 45.0 [13.19] 5.2	68.6 [20.10] 39.5 [11.58] 5.1	65.7 [19.25] 34.0 [9.96] 4.9	68.1 [19.96] 53.5 [15.68] 5.1	65.2 [19.11] 48.1 [14.10] 5.0	62.3 [18.26] 42.6 [12.48] 4.9	64.6 [18.93] 61.6 [18.05] 5.0	58.8 [17.23] 50.7 [14.86] 4.8
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	70.5 [20.66] 44.5 [13.04] 5.5	67.6 [19.81] 39.0 [11.43] 5.3	64.8 [18.99] 33.5 [9.82] 5.2	67.1 [19.66] 53.1 [15.56] 5.4	64.2 [18.82] 47.6 [13.95] 5.3	61.4 [17.99] 42.1 [12.34] 5.2	63.6 [18.64] 61.1 [17.91] 5.3	57.9 [16.97] 50.2 [14.71] 5.1
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	69.3 [20.31] 43.9 [12.87] 5.8	66.4 [19.46] 38.5 [11.28] 5.6	63.5 [18.61] 33.0 [9.67] 5.5	65.9 [19.31] 52.5 [15.39] 5.7	63.0 [18.46] 47.0 [13.77] 5.6	60.2 [17.64] 41.5 [12.16] 5.5	62.4 [18.29] 60.7 [17.79] 5.6	56.7 [16.62] 49.6 [14.54] 5.4
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	67.8 [19.87] 43.3 [12.69] 6.0	64.9 [19.02] 37.8 [11.08] 5.9	62.0 [18.17] 32.3 [9.47] 5.8	64.4 [18.87] 51.9 [15.21] 6.0	61.5 [18.02] 46.4 [13.60] 5.9	58.7 [17.20] 40.9 [11.99] 5.8	60.9 [17.85] 60.0 [17.58] 5.9	55.2 [16.18] 49.0 [14.36] 5.7
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	66.0 [19.34] 42.4 [12.43] 6.3	63.1 [18.49] 37.0 [10.84] 6.2	60.2 [17.64] 31.5 [9.23] 6.1	62.6 [18.35] 51.0 [14.95] 6.3	59.7 [17.50] 45.5 [13.33] 6.2	56.8 [16.65] 40.0 [11.72] 6.1	59.1 [17.32] 59.1 [17.32] 6.2	53.4 [15.65] 48.1 [14.10] 6.0
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	63.8 [18.70] 41.3 [12.10] 6.6	60.9 [17.85] 35.9 [10.52] 6.5	58.1 [17.03] 30.4 [8.91] 6.4	60.4 [17.70] 49.9 [14.62] 6.6	57.5 [16.85] 44.4 [13.01] 6.5	54.7 [16.03] 38.9 [11.40] 6.4	56.9 [16.68] 56.9 [16.68] 6.5	51.2 [15.01] 47.0 [13.77] 6.3
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	61.2 [17.94] 39.9 [11.69] 6.9	58.4 [17.12] 34.5 [10.11] 6.8	55.5 [16.27] 29.0 [8.50] 6.7	57.9 [16.97] 48.5 [14.21] 6.9	55.0 [16.12] 43.0 [12.60] 6.8	52.1 [15.27] 37.5 [10.99] 6.7	54.4 [15.94] 54.4 [15.94] 6.8	48.6 [14.24] 45.6 [13.36] 6.5

DR —Depression ratio
dbE—Entering air dry bulb
wbE—Entering air wet bulb

Total —Total capacity x 1000 BTUH
Sens —Sensible capacity x 1000 BTUH
Power—KW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$.

[] Designates Metric Conversions



SYSTEMS PERFORMANCE—RKKA- SERIES

GROSS SYSTEMS PERFORMANCE DATA—A073

ENTERING INDOOR AIR @ 80°F [26.7°C]											
wbE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]		3000 [1415.8]	2400 [1132.7]	1800 [849.5]	3000 [1415.8]	2400 [1132.7]	1800 [849.5]	3000 [1415.8]	2400 [1132.7]	1800 [849.5]	
DR ①		.24	.21	.18	.24	.21	.18	.24	.21	.18	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	84.7 [24.82] 52.0 [15.24] 5.2	81.3 [23.83] 45.7 [13.39] 5.1	77.8 [22.80] 39.4 [11.55] 5.0	81.6 [23.91] 61.5 [18.02] 5.2	78.2 [22.92] 55.3 [16.21] 5.1	74.8 [21.92] 49.0 [14.36] 4.9	76.2 [22.33] 69.5 [20.37] 5.1	72.7 [21.31] 63.2 [18.52] 4.9	69.3 [20.31] 56.9 [16.68] 4.8
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	84.2 [24.68] 51.7 [15.15] 5.6	80.8 [23.68] 45.4 [13.31] 5.4	77.4 [22.68] 39.1 [11.46] 5.3	81.2 [23.80] 61.2 [17.94] 5.5	77.7 [22.77] 54.9 [16.09] 5.4	74.3 [21.78] 48.6 [14.24] 5.2	75.7 [22.19] 69.2 [20.28] 5.4	72.3 [21.19] 62.9 [18.43] 5.3	68.8 [20.16] 56.6 [16.59] 5.1
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	83.7 [24.53] 51.4 [15.06] 5.9	80.3 [23.53] 45.1 [13.22] 5.7	76.8 [22.51] 38.8 [11.37] 5.6	80.6 [23.62] 60.9 [17.85] 5.8	77.2 [22.63] 54.6 [16.00] 5.7	73.8 [21.63] 48.4 [14.18] 5.6	75.1 [22.01] 68.9 [20.19] 5.7	71.7 [21.01] 62.6 [18.35] 5.6	68.3 [20.02] 56.3 [16.50] 5.5
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	82.9 [24.30] 51.1 [14.98] 6.2	79.5 [23.30] 44.8 [13.13] 6.1	76.1 [22.30] 38.5 [11.28] 5.9	79.9 [23.42] 60.6 [17.76] 6.2	76.5 [22.42] 54.3 [15.91] 6.0	73.0 [21.39] 48.0 [14.07] 5.9	74.4 [21.80] 68.6 [20.10] 6.0	71.0 [20.81] 62.3 [18.26] 5.9	67.6 [19.81] 56.0 [16.41] 5.8
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	81.8 [23.97] 50.6 [14.83] 6.5	78.4 [22.98] 44.3 [12.98] 6.4	75.0 [21.98] 38.0 [11.14] 6.3	78.8 [23.09] 60.1 [17.61] 6.5	75.4 [22.10] 53.9 [15.80] 6.3	71.9 [21.07] 47.6 [13.95] 6.2	73.3 [21.48] 68.1 [19.96] 6.4	69.9 [20.49] 61.8 [18.11] 6.2	66.4 [19.46] 55.5 [16.27] 6.1
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	80.2 [23.50] 49.9 [14.62] 6.8	76.8 [22.51] 43.6 [12.78] 6.7	73.4 [21.51] 37.4 [10.96] 6.6	77.2 [22.63] 59.5 [17.44] 6.8	73.7 [21.60] 53.2 [15.59] 6.7	70.3 [20.60] 46.9 [13.75] 6.5	71.7 [21.01] 67.4 [19.75] 6.7	68.2 [19.99] 61.1 [17.91] 6.6	64.8 [18.99] 54.9 [16.09] 6.4
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	77.9 [22.83] 48.9 [14.33] 7.2	74.5 [21.83] 42.6 [12.48] 7.0	71.1 [20.84] 36.4 [10.67] 6.9	74.9 [21.95] 58.5 [17.14] 7.1	71.4 [20.93] 52.2 [15.30] 7.0	68.0 [19.93] 45.9 [13.45] 6.9	69.4 [20.34] 66.4 [19.46] 7.0	66.0 [19.34] 60.1 [17.61] 6.9	62.5 [18.32] 53.9 [15.80] 6.8
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	74.8 [21.92] 47.5 [13.92] 7.5	71.4 [20.93] 41.2 [12.07] 7.4	67.9 [19.90] 35.0 [10.26] 7.2	71.7 [21.01] 57.1 [16.73] 7.4	68.3 [20.02] 50.8 [14.89] 7.3	64.9 [19.02] 44.5 [13.04] 7.2	66.2 [19.40] 65.0 [19.05] 7.3	62.8 [18.40] 58.7 [17.20] 7.2	59.4 [17.41] 52.5 [15.39] 7.1
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	70.7 [20.72] 45.6 [13.36] 7.8	67.2 [19.69] 39.3 [11.52] 7.7	63.8 [18.70] 33.0 [9.67] 7.6	67.6 [19.81] 55.2 [16.18] 7.8	64.2 [18.82] 48.9 [14.33] 7.6	60.8 [17.82] 42.6 [12.48] 7.5	62.1 [18.20] 62.1 [18.20] 7.7	58.7 [17.20] 56.8 [16.65] 7.5	55.3 [16.21] 50.6 [14.83] 7.4

GROSS SYSTEMS PERFORMANCE DATA—A085

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①											
wbE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]		3560 [1680.1]	2850 [1345.1]	2140 [1010.0]	3560 [1680.1]	2850 [1345.1]	2140 [1010.0]	3560 [1680.1]	2850 [1345.1]	2140 [1010.0]	
DR ①		.16	.12	.07	.16	.12	.07	.16	.12	.07	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	102.3 [29.97] 64.5 [18.90] 6.6	98.2 [28.77] 56.6 [16.58] 6.4	94.2 [27.60] 48.7 [14.27] 6.2	95.7 [28.04] 75.6 [22.15] 6.5	91.6 [26.84] 67.7 [19.84] 6.3	87.6 [25.67] 59.8 [17.52] 6.1	92.9 [27.22] 87.2 [25.55] 6.4	88.9 [26.05] 79.2 [23.21] 6.2	84.8 [24.85] 71.3 [20.90] 6.1
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	101.9 [29.86] 64.6 [18.93] 7.0	97.8 [28.66] 56.7 [16.61] 6.8	93.7 [27.45] 48.8 [14.30] 6.7	95.3 [27.92] 75.8 [22.21] 6.9	91.2 [26.72] 67.9 [19.89] 6.7	87.1 [25.52] 59.9 [17.55] 6.5	92.5 [27.10] 87.3 [25.58] 6.8	88.4 [25.90] 79.4 [23.26] 6.6	84.4 [24.73] 71.4 [20.92] 6.5
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	101.5 [29.74] 64.8 [18.99] 7.4	97.4 [28.54] 56.9 [16.67] 7.2	93.3 [27.34] 49.0 [14.36] 7.1	94.9 [27.81] 75.9 [22.24] 7.3	90.8 [26.60] 68.0 [19.92] 7.1	86.8 [25.43] 60.1 [17.61] 6.9	92.1 [26.99] 87.4 [25.61] 7.2	88.1 [25.81] 79.5 [23.29] 7.0	84.0 [24.61] 71.6 [20.98] 6.9
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	101.0 [29.59] 64.9 [19.02] 7.8	96.9 [28.39] 56.9 [16.67] 7.6	92.8 [27.19] 49.0 [14.36] 7.5	94.4 [27.66] 76.0 [22.27] 7.7	90.3 [26.46] 68.1 [19.95] 7.5	86.3 [25.29] 60.1 [17.61] 7.3	91.6 [26.84] 87.5 [25.64] 7.6	87.6 [25.67] 79.6 [23.32] 7.4	83.5 [24.47] 71.7 [21.01] 7.3
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	100.2 [29.36] 64.7 [18.96] 8.2	96.1 [28.16] 56.8 [16.64] 8.0	92.0 [26.96] 48.9 [14.33] 7.9	93.6 [18.06] 75.8 [22.21] 8.1	89.5 [26.22] 67.9 [19.89] 7.9	85.5 [25.05] 60.0 [17.58] 7.7	90.8 [26.60] 87.4 [25.61] 8.0	86.8 [25.43] 79.4 [23.26] 7.9	82.7 [24.23] 71.5 [20.95] 7.7
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	98.9 [28.98] 64.2 [18.81] 8.6	94.9 [27.81] 56.3 [16.50] 8.4	90.8 [26.60] 48.4 [14.18] 8.3	92.4 [27.07] 75.4 [22.09] 8.5	88.3 [25.87] 67.4 [19.75] 8.3	84.2 [24.67] 59.5 [17.43] 8.2	89.6 [26.25] 86.9 [25.46] 8.4	85.5 [25.05] 78.9 [23.12] 8.3	81.4 [23.85] 71.0 [20.81] 8.1
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	97.0 [28.42] 63.3 [18.55] 9.0	93.0 [27.25] 55.3 [16.20] 8.8	88.9 [26.05] 47.4 [13.89] 8.7	90.5 [26.52] 74.4 [21.80] 8.9	86.4 [25.32] 66.5 [19.48] 8.7	82.3 [24.11] 58.6 [17.17] 8.6	87.7 [25.70] 85.9 [25.17] 8.8	83.6 [24.50] 78.0 [22.85] 8.7	79.6 [23.32] 70.1 [20.54] 8.5
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	94.4 [27.66] 61.7 [18.08] 9.4	90.3 [26.46] 53.8 [15.76] 9.3	86.2 [25.26] 45.9 [13.45] 9.1	87.8 [25.73] 72.9 [21.36] 9.3	83.7 [24.52] 64.9 [19.02] 9.1	79.6 [23.32] 57.0 [16.70] 9.0	85.0 [24.91] 84.4 [24.73] 9.2	80.9 [23.70] 76.4 [22.39] 9.1	76.9 [22.53] 68.5 [20.07] 8.9
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	90.7 [26.58] 59.5 [17.43] 9.8	86.6 [25.37] 51.6 [15.12] 9.7	82.6 [24.20] 43.6 [12.77] 9.5	84.1 [24.64] 70.6 [20.69] 9.7	80.1 [23.47] 62.7 [18.37] 9.5	76.0 [22.27] 54.8 [16.06] 9.4	81.4 [23.85] 81.4 [23.85] 9.6	77.3 [22.65] 74.2 [21.74] 9.5	73.2 [21.45] 66.3 [19.43] 9.3

DR —Depression ratio
dbE —Entering air dry bulb
wbE —Entering air wet bulb

Total —Total capacity x 1000 BTUH
Sens —Sensible capacity x 1000 BTUH
Power —KW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$.

[] Designates Metric Conversions

SYSTEMS PERFORMANCE—RKMA- SERIES



GROSS SYSTEMS PERFORMANCE DATA—A036

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①											
wbE			71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]		
CFM [L/s]			1500 [707.9]	1200 [566.3]	900 [424.8]	1500 [707.9]	1200 [566.3]	900 [424.8]	1500 [707.9]	1200 [566.3]	900 [424.8]
DR ①			.16	.12	.06	.16	.12	.06	.16	.12	.06
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	46.8 [13.72] 30.5 [8.94] 2.6	45.1 [13.22] 27.2 [7.97] 2.5	43.4 [12.72] 23.8 [6.98] 2.4	43.8 [12.84] 35.0 [10.26] 2.6	42.1 [12.34] 31.6 [9.26] 2.5	40.4 [11.84] 28.3 [8.29] 2.4	41.2 [12.07] 38.5 [11.28] 2.6	39.5 [11.58] 35.2 [10.32] 2.5	37.8 [11.08] 31.9 [9.35] 2.5
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	45.3 [13.28] 29.2 [8.56] 2.7	43.6 [12.78] 25.9 [7.59] 2.7	41.9 [12.28] 22.6 [6.62] 2.6	42.2 [12.37] 33.7 [9.88] 2.7	40.5 [11.87] 30.4 [8.91] 2.6	38.8 [11.37] 27.0 [7.91] 2.6	39.7 [11.63] 37.3 [10.93] 2.7	38.0 [11.14] 33.9 [9.94] 2.7	36.3 [10.64] 30.6 [8.97] 2.6
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	44.1 [12.92] 28.4 [8.32] 2.9	42.4 [12.43] 25.1 [7.36] 2.8	40.7 [11.93] 21.7 [6.36] 2.7	41.0 [12.02] 32.8 [9.61] 2.8	39.3 [11.52] 29.5 [8.65] 2.8	37.6 [11.02] 26.2 [7.68] 2.7	38.5 [11.28] 36.4 [10.67] 2.9	36.8 [10.78] 33.1 [9.70] 2.8	35.1 [10.29] 29.8 [8.73] 2.7
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	43.2 [12.66] 27.8 [8.15] 3.0	41.5 [12.16] 24.5 [7.18] 2.9	39.7 [11.63] 21.2 [6.21] 2.9	40.1 [11.75] 32.3 [9.47] 3.0	38.4 [11.25] 28.9 [8.47] 2.9	36.7 [10.76] 25.6 [7.51] 2.9	37.5 [10.99] 35.9 [10.52] 3.0	35.8 [10.49] 32.5 [9.52] 3.0	34.1 [9.99] 29.2 [8.56] 2.9
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	42.3 [12.40] 27.4 [8.03] 3.2	40.6 [11.90] 24.1 [7.06] 3.1	38.9 [11.40] 20.8 [6.10] 3.0	39.3 [11.52] 31.9 [9.35] 3.1	37.6 [11.02] 28.6 [8.38] 3.1	35.9 [10.52] 25.2 [7.39] 3.0	36.7 [10.76] 35.5 [10.40] 3.2	35.0 [10.26] 32.1 [9.41] 3.1	33.3 [9.76] 28.8 [8.44] 3.0
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	41.6 [12.19] 27.1 [7.94] 3.3	39.9 [11.69] 23.8 [6.98] 3.2	38.2 [11.20] 20.4 [5.98] 3.2	38.5 [11.28] 31.6 [9.26] 3.3	36.8 [10.78] 28.2 [8.26] 3.2	35.1 [10.29] 24.9 [7.30] 3.2	36.0 [10.55] 35.1 [10.29] 3.3	34.2 [10.02] 31.8 [9.32] 3.2	32.5 [9.52] 28.5 [8.35] 3.2
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	40.8 [11.96] 26.7 [7.82] 3.4	39.1 [11.46] 23.4 [6.86] 3.4	37.4 [10.96] 20.1 [5.89] 3.3	37.7 [11.05] 31.2 [9.14] 3.4	36.0 [10.55] 27.9 [8.18] 3.4	34.3 [10.05] 24.5 [7.18] 3.3	35.1 [10.29] 34.8 [10.20] 3.5	33.4 [9.79] 31.4 [9.20] 3.4	31.7 [9.29] 28.1 [8.24] 3.3
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	39.8 [11.66] 26.2 [7.68] 3.6	38.1 [11.17] 22.8 [6.68] 3.5	36.4 [10.67] 19.5 [5.71] 3.5	36.8 [10.78] 30.6 [8.97] 3.6	35.0 [10.26] 27.3 [8.00] 3.5	33.3 [9.76] 24.0 [7.03] 3.4	34.2 [10.02] 34.2 [10.02] 3.6	32.5 [9.52] 30.9 [9.06] 3.5	30.8 [9.03] 27.5 [8.06] 3.5
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	38.7 [11.34] 25.3 [7.41] 3.7	36.9 [10.81] 22.0 [6.45] 3.7	35.2 [10.32] 18.7 [5.48] 3.6	35.6 [10.43] 29.8 [8.73] 3.7	33.9 [9.94] 26.4 [7.74] 3.7	32.2 [9.44] 23.1 [6.77] 3.6	33.0 [9.67] 33.0 [9.67] 3.7	31.3 [9.17] 30.0 [8.79] 3.7	29.6 [8.67] 26.7 [7.82] 3.6

GROSS SYSTEMS PERFORMANCE DATA—A042

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①											
wbE			71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]		
CFM [L/s]			1750 [825.9]	1400 [660.7]	1050 [495.5]	1750 [825.9]	1400 [660.7]	1050 [495.5]	1750 [825.9]	1400 [660.7]	1050 [495.5]
DR ①			.16	.11	.05	.16	.11	.05	.16	.11	.05
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	51.0 [14.94] 36.7 [10.75] 2.8	49.1 [14.39] 32.9 [9.64] 2.8	47.1 [13.80] 29.0 [8.50] 2.7	48.1 [14.09] 42.4 [12.42] 2.8	46.1 [13.51] 38.6 [11.31] 2.7	44.2 [12.95] 34.7 [10.17] 2.6	44.6 [13.07] 44.6 [13.07] 2.8	42.6 [12.48] 42.6 [12.48] 2.7	40.7 [11.93] 39.6 [11.60] 2.6
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	49.9 [14.62] 33.1 [9.70] 3.0	47.9 [14.03] 29.3 [8.58] 2.9	46.0 [13.48] 25.5 [7.47] 2.9	46.9 [13.74] 38.9 [11.40] 2.9	45.0 [13.19] 35.0 [10.26] 2.9	43.1 [12.63] 31.2 [9.14] 2.8	43.4 [12.72] 43.4 [12.72] 2.9	41.5 [12.16] 41.5 [12.16] 2.9	39.6 [11.60] 36.0 [10.55] 2.8
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	48.9 [14.33] 31.4 [9.20] 3.2	47.0 [13.77] 27.6 [8.09] 3.1	45.0 [13.19] 23.7 [6.94] 3.0	46.0 [13.48] 37.1 [10.87] 3.1	44.0 [12.89] 33.3 [9.76] 3.1	42.1 [12.34] 29.5 [8.64] 3.0	42.5 [12.45] 42.5 [12.45] 3.1	40.5 [11.87] 40.5 [11.87] 3.0	38.6 [11.31] 34.3 [10.05] 3.0
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	48.0 [14.06] 30.9 [9.05] 3.4	46.1 [13.51] 27.0 [7.91] 3.3	44.2 [12.95] 23.2 [6.80] 3.2	45.1 [13.21] 36.6 [10.72] 3.3	43.2 [12.66] 32.8 [9.61] 3.2	41.3 [12.10] 28.9 [8.47] 3.2	41.6 [12.19] 41.6 [12.19] 3.3	39.7 [11.63] 39.7 [11.63] 3.2	37.8 [11.08] 33.8 [9.90] 3.1
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	47.2 [13.83] 31.0 [9.08] 3.5	45.3 [13.27] 27.1 [7.94] 3.5	43.4 [12.72] 23.3 [6.83] 3.4	44.3 [12.98] 36.7 [10.75] 3.5	42.4 [12.42] 32.9 [9.64] 3.4	40.4 [11.84] 29.0 [8.50] 3.3	40.8 [11.95] 40.8 [11.95] 3.5	38.9 [11.40] 38.9 [11.40] 3.4	36.9 [10.81] 33.9 [9.93] 3.3
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	46.4 [13.60] 31.0 [9.08] 3.7	44.4 [13.01] 27.2 [7.97] 3.6	42.5 [12.45] 23.4 [6.86] 3.6	43.4 [12.72] 36.8 [10.78] 3.6	41.5 [12.16] 32.9 [9.64] 3.6	39.6 [11.60] 29.1 [8.53] 3.5	39.9 [11.69] 39.9 [11.69] 3.6	38.0 [11.13] 38.0 [11.13] 3.6	36.1 [10.58] 33.9 [9.93] 3.5
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	45.4 [13.19] 30.5 [8.94] 3.9	43.5 [12.75] 26.7 [7.82] 3.8	41.6 [12.19] 22.8 [6.68] 3.7	42.5 [12.45] 36.2 [10.61] 3.8	40.5 [11.87] 32.4 [9.49] 3.7	38.6 [11.31] 28.6 [8.38] 3.7	39.0 [11.43] 39.0 [11.43] 3.8	37.0 [10.84] 37.0 [10.84] 3.7	35.1 [10.28] 33.4 [9.79] 3.7
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	44.3 [12.98] 28.7 [8.41] 4.0	42.4 [12.42] 24.9 [7.30] 4.0	40.4 [11.84] 21.1 [6.18] 3.9	41.3 [12.10] 34.5 [10.11] 4.0	39.4 [11.54] 30.6 [8.97] 3.9	37.5 [10.99] 26.8 [7.85] 3.8	37.8 [11.08] 37.8 [11.08] 4.0	35.9 [10.52] 35.9 [10.52] 3.9	34.0 [9.96] 31.6 [9.26] 3.8
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	42.9 [12.57] 25.2 [7.38] 4.2	41.0 [12.01] 21.3 [6.24] 4.1	39.1 [11.46] 17.5 [5.13] 4.1	40.0 [11.72] 30.9 [9.05] 4.2	38.0 [11.13] 27.0 [7.91] 4.1	36.1 [10.58] 23.2 [6.80] 4.0	36.5 [10.69] 36.5 [10.69] 4.1	34.5 [10.11] 34.5 [10.11] 4.1	32.6 [9.55] 28.1 [8.23] 4.0

DR —Depression ratio
dbE —Entering air dry bulb
wbE—Entering air wet bulb

Total —Total capacity x 1000 BTUH
Sens —Sensible capacity x 1000 BTUH
Power—KW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding $[1.10 \times \text{CFM} \times (t - 80)]$.

[] Designates Metric Conversions



SYSTEMS PERFORMANCE—RKMA- SERIES

GROSS SYSTEMS PERFORMANCE DATA—A048

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①											
wB E		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			OUTDOOR DRY BULB TEMPERATURE °F [°C]
CFM [L/s]		2000 [943.9]	1600 [755.1]	1200 [566.3]	2000 [943.9]	1600 [755.1]	1200 [566.3]	2000 [943.9]	1600 [755.1]	1200 [566.3]	
DR ①		.18	.14	.09	.18	.14	.09	.18	.14	.09	
75 [23.9]	Total BTUH [kW]	60.5 [17.73]	58.2 [17.06]	55.9 [16.38]	56.6 [16.59]	54.3 [15.91]	52.0 [15.24]	53.1 [15.56]	50.8 [14.89]	48.6 [14.24]	
	Sens BTUH [kW]	37.0 [10.84]	32.7 [9.58]	28.3 [8.29]	43.5 [12.75]	39.2 [11.49]	34.8 [10.20]	48.7 [14.27]	44.3 [12.98]	39.9 [11.69]	
	Power	4.2	4.1	4.0	4.1	4.0	3.9	3.5	3.4	3.3	
	Total BTUH [kW]	59.6 [17.47]	57.3 [16.79]	55.0 [16.12]	55.7 [16.32]	53.4 [15.65]	51.1 [14.98]	52.2 [15.30]	50.0 [14.65]	47.7 [13.98]	
	Sens BTUH [kW]	36.7 [10.76]	32.3 [9.47]	27.9 [8.18]	43.2 [12.66]	38.8 [11.37]	34.4 [10.08]	48.3 [14.16]	43.9 [12.87]	39.5 [11.58]	
80 [26.7]	Total BTUH [kW]	58.6 [17.17]	56.3 [16.50]	54.0 [15.83]	54.7 [16.03]	52.4 [15.36]	50.1 [14.68]	51.2 [15.01]	49.0 [14.36]	46.7 [13.69]	95 [29.4]
	Sens BTUH [kW]	36.3 [10.64]	31.9 [9.35]	27.5 [8.06]	42.8 [12.54]	38.4 [11.25]	34.0 [9.96]	47.9 [14.04]	43.6 [12.78]	39.2 [11.49]	
	Power	4.6	4.5	4.4	4.5	4.4	4.3	3.9	3.8	3.7	
	Total BTUH [kW]	57.5 [16.85]	55.2 [16.18]	52.9 [15.50]	53.6 [15.71]	51.3 [15.03]	49.0 [14.36]	50.1 [14.68]	47.8 [14.01]	45.6 [13.36]	
	Sens BTUH [kW]	35.9 [10.52]	31.5 [9.23]	27.1 [7.94]	42.4 [12.43]	38.0 [11.14]	33.6 [9.85]	47.5 [13.92]	43.2 [12.66]	38.8 [11.37]	
90 [32.2]	Total BTUH [kW]	56.2 [16.47]	54.0 [15.83]	51.7 [15.15]	52.3 [15.33]	50.1 [14.68]	47.8 [14.01]	48.9 [14.33]	46.6 [13.66]	44.3 [12.98]	95 [35]
	Sens BTUH [kW]	35.4 [10.37]	31.1 [9.11]	26.7 [7.82]	41.9 [12.28]	37.6 [11.02]	33.2 [9.73]	47.1 [13.80]	42.7 [12.51]	38.3 [11.22]	
	Power	4.9	4.8	4.7	4.9	4.8	4.7	4.3	4.2	4.1	
	Total BTUH [kW]	54.9 [16.09]	52.7 [15.44]	50.4 [14.77]	51.0 [14.95]	48.8 [14.30]	46.5 [13.63]	47.6 [13.95]	45.3 [13.28]	43.0 [12.60]	
	Sens BTUH [kW]	34.9 [10.23]	30.5 [8.94]	26.2 [7.68]	41.4 [12.13]	37.1 [10.87]	32.7 [9.58]	46.6 [13.66]	42.2 [12.37]	37.8 [11.08]	
100 [37.8]	Total BTUH [kW]	53.6 [15.71]	51.3 [15.03]	49.0 [14.36]	49.7 [14.57]	47.4 [13.89]	45.1 [13.22]	46.2 [13.54]	44.0 [12.90]	41.7 [12.22]	105 [40.6]
	Sens BTUH [kW]	34.3 [10.05]	29.9 [8.76]	25.6 [7.51]	40.8 [11.96]	36.4 [10.67]	32.1 [9.41]	46.0 [13.48]	41.6 [12.19]	37.2 [10.90]	
	Power	5.3	5.2	5.1	5.3	5.2	5.1	4.7	4.6	4.5	
	Total BTUH [kW]	52.2 [15.30]	49.9 [14.62]	47.6 [13.95]	48.3 [14.16]	46.0 [13.48]	43.7 [12.81]	44.8 [13.13]	42.5 [12.46]	40.3 [11.81]	
	Sens BTUH [kW]	33.6 [9.85]	29.2 [8.56]	24.8 [7.27]	40.1 [11.75]	35.7 [10.46]	31.3 [9.17]	44.8 [13.13]	40.9 [11.99]	36.5 [10.70]	
110 [43.3]	Total BTUH [kW]	50.7 [14.86]	48.5 [14.21]	46.2 [13.54]	46.8 [13.72]	44.6 [13.07]	42.3 [12.40]	43.4 [12.72]	41.1 [12.05]	38.8 [11.37]	115 [46.1]
	Sens BTUH [kW]	32.7 [9.58]	28.3 [8.29]	24.0 [7.03]	39.2 [11.49]	34.8 [10.20]	30.5 [8.94]	43.4 [12.72]	40.0 [11.72]	35.6 [10.43]	
	Power	5.7	5.6	5.5	5.7	5.6	5.5	5.1	5.0	4.9	
	Total BTUH [kW]	50.7 [14.86]	48.5 [14.21]	46.2 [13.54]	46.8 [13.72]	44.6 [13.07]	42.3 [12.40]	43.4 [12.72]	41.1 [12.05]	38.8 [11.37]	
	Sens BTUH [kW]	32.7 [9.58]	28.3 [8.29]	24.0 [7.03]	39.2 [11.49]	34.8 [10.20]	30.5 [8.94]	43.4 [12.72]	40.0 [11.72]	35.6 [10.43]	

GROSS SYSTEMS PERFORMANCE DATA—A060

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①											
wB E		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			OUTDOOR DRY BULB TEMPERATURE °F [°C]
CFM [L/s]		2500 [1179.9]	2000 [943.9]	1500 [707.9]	2500 [1179.9]	2000 [943.9]	1500 [707.9]	2500 [1179.9]	2000 [943.9]	1500 [707.9]	
DR ①		.20	.17	.12	.20	.17	.12	.20	.17	.12	
75 [23.9]	Total BTUH [kW]	74.4 [21.80]	71.6 [20.98]	68.8 [20.16]	69.9 [20.49]	67.2 [19.69]	64.4 [18.87]	65.0 [19.05]	62.2 [18.23]	59.4 [17.41]	80 [26.7]
	Sens BTUH [kW]	46.8 [13.72]	41.5 [12.16]	36.2 [10.61]	53.7 [15.74]	48.3 [14.16]	43.0 [12.60]	58.6 [17.17]	53.3 [15.62]	48.0 [14.07]	
	Power	4.2	4.1	4.0	4.2	4.1	4.0	4.2	4.1	4.0	
	Total BTUH [kW]	72.2 [21.16]	69.4 [20.34]	66.7 [19.55]	67.8 [19.87]	65.0 [19.05]	62.2 [18.23]	62.9 [18.43]	60.1 [17.61]	57.3 [16.79]	
	Sens BTUH [kW]	45.8 [13.42]	40.4 [11.84]	35.1 [10.29]	52.6 [15.42]	47.3 [13.86]	42.0 [12.31]	57.5 [16.85]	52.2 [15.30]	46.9 [13.74]	
85 [29.4]	Total BTUH [kW]	70.8 [20.75]	68.0 [19.93]	65.3 [19.14]	66.4 [19.46]	63.6 [18.64]	60.8 [17.82]	61.5 [18.02]	58.7 [17.20]	55.9 [16.38]	90 [32.2]
	Sens BTUH [kW]	45.0 [13.19]	39.7 [11.63]	34.4 [10.08]	51.9 [15.21]	46.6 [13.66]	41.2 [12.07]	56.8 [16.65]	51.5 [15.09]	46.2 [13.54]	
	Power	4.7	4.6	4.5	4.7	4.6	4.5	4.6	4.5	4.4	
	Total BTUH [kW]	69.7 [20.43]	66.9 [19.61]	64.1 [18.79]	65.2 [19.11]	62.5 [18.32]	59.7 [17.50]	60.3 [17.67]	57.5 [16.85]	54.8 [16.06]	
	Sens BTUH [kW]	44.5 [13.04]	39.2 [11.49]	33.9 [9.94]	51.4 [15.06]	46.1 [13.51]	40.7 [11.93]	56.3 [16.50]	51.0 [14.95]	45.7 [13.39]	
95 [35]	Total BTUH [kW]	68.3 [20.02]	65.5 [19.20]	62.8 [18.40]	63.9 [18.73]	61.1 [17.91]	58.3 [17.09]	59.0 [17.29]	56.2 [16.47]	53.4 [15.65]	100 [37.8]
	Sens BTUH [kW]	44.1 [12.92]	38.8 [11.37]	33.5 [9.82]	50.9 [14.92]	45.6 [13.36]	40.3 [11.81]	56.0 [16.41]	50.6 [14.83]	45.2 [13.25]	
	Power	5.1	5.0	4.9	5.1	5.0	4.9	5.0	4.9	4.8	
	Total BTUH [kW]	66.3 [19.43]	63.5 [18.61]	60.7 [17.79]	61.9 [18.14]	59.1 [17.32]	56.3 [16.50]	56.9 [16.68]	54.2 [15.88]	51.4 [15.06]	
	Sens BTUH [kW]	43.6 [12.78]	38.3 [11.22]	33.0 [9.67]	50.5 [14.80]	45.1 [13.22]	39.8 [11.66]	55.4 [16.24]	50.1 [14.68]	44.8 [13.13]	
105 [40.6]	Total BTUH [kW]	63.1 [18.49]	60.3 [17.67]	57.6 [16.88]	58.7 [17.20]	55.9 [16.38]	53.1 [15.56]	53.8 [15.77]	51.0 [14.95]	48.2 [14.13]	110 [43.3]
	Sens BTUH [kW]	42.9 [12.57]	37.6 [11.02]	32.3 [9.47]	49.8 [14.59]	44.5 [13.04]	39.1 [11.46]	53.8 [15.77]	49.4 [14.48]	44.1 [12.92]	
	Power	5.5	5.4	5.3	5.5	5.4	5.3	5.5	5.4	5.3	
	Total BTUH [kW]	58.3 [17.09]	55.5 [16.27]	52.8 [15.47]	53.9 [15.80]	51.1 [14.98]	48.3 [14.16]	49.0 [14.36]	46.2 [13.54]	43.4 [12.72]	
	Sens BTUH [kW]	41.9 [12.28]	36.6 [10.73]	31.3 [9.17]	48.8 [14.30]	43.4 [12.72]	38.1 [11.17]	49.0 [14.36]	46.2 [13.54]	43.1 [12.63]	
115 [46.1]	Total BTUH [kW]	51.4 [15.06]	48.6 [14.24]	45.9 [13.45]	47.0 [13.77]	44.2 [12.95]	41.4 [12.13]	42.1 [12.34]	39.3 [11.52]	36.5 [10.70]	115 [46.1]
	Sens BTUH [kW]	40.4 [11.84]	35.1 [10.29]	29.8 [8.73]	47.0 [13.77]	41.9 [12.28]	36.6 [10.73]	42.1 [12.34]	39.3 [11.52]	36.5 [10.70]	
	Power	6.0	5.9	5.8	6.0	5.9	5.8	5.9	5.8	5.7	
	Total BTUH [kW]	51.4 [15.06]	48.6 [14.24]	45.9 [13.45]	47.0 [13.77]	44.2 [12.95]	41.4 [12.13]	42.1 [12.34]	39.3 [11.52]	36.5 [10.70]	
	Sens BTUH [kW]	40.4 [11.84]	35.1 [10.29]	29.8 [8.73]	47.0 [13.77]	41.9 [12.28]	36.6 [10.73]	42.1 [12.34]	39.3 [11.52]	36.5 [10.70]	

DR —Depression ratio
dbE—Entering air dry bulb
wB E—Entering air wet bulb

Total —Total capacity x 1000 BTUH
Sens —Sensible capacity x 1000 BTUH
Power—KW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$.

[] Designates Metric Conversions

SYSTEMS PERFORMANCE—RKMA- SERIES



GROSS SYSTEMS PERFORMANCE DATA—A072

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①										
wbE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]		
CFM [L/s]		3000 [1415.8]	2400 [1132.7]	1800 [849.5]	3000 [1415.8]	2400 [1132.7]	1800 [849.5]	3000 [1415.8]	2400 [1132.7]	1800 [849.5]
DR ①		.19	.15	.10	.19	.15	.10	.19	.15	.10
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	83.5 [24.47] 55.3 [16.21] 4.8	80.1 [23.47] 48.7 [14.27] 4.7	76.7 [22.48] 42.2 [12.37] 4.6	81.6 [23.91] 64.6 [18.93] 4.9	78.2 [22.92] 58.0 [17.00] 4.8	74.8 [21.92] 51.5 [15.09] 4.7	77.1 [22.60] 67.6 [19.81] 4.7	70.3 [20.60] 61.0 [17.88] 4.5
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	82.8 [24.27] 55.2 [16.18] 5.2	79.4 [23.27] 48.6 [14.24] 5.0	76.0 [22.27] 42.1 [12.34] 4.9	80.9 [23.71] 64.5 [18.90] 5.3	77.5 [22.71] 57.9 [16.97] 5.1	74.1 [21.72] 51.4 [15.06] 5.0	76.4 [22.39] 67.5 [19.78] 5.1	69.6 [20.40] 60.9 [17.85] 4.8
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	82.2 [24.09] 54.7 [16.03] 5.5	78.8 [23.09] 48.2 [14.13] 5.4	75.4 [22.10] 41.7 [12.22] 5.2	80.3 [23.53] 64.0 [18.76] 5.6	76.9 [22.54] 57.5 [16.85] 5.5	73.5 [21.54] 51.0 [14.95] 5.3	75.8 [22.21] 67.1 [19.67] 5.4	69.0 [20.22] 60.5 [17.73] 5.2
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	81.5 [23.89] 54.1 [15.86] 5.8	78.1 [22.89] 47.5 [13.92] 5.7	74.7 [21.89] 41.0 [12.02] 5.6	79.6 [23.33] 63.4 [18.58] 5.9	76.2 [22.33] 56.8 [16.65] 5.8	72.8 [21.34] 50.3 [14.74] 5.7	75.1 [22.01] 66.4 [19.46] 5.7	68.3 [20.02] 59.8 [17.53] 5.5
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	80.6 [23.62] 53.2 [15.59] 6.2	77.2 [22.63] 46.7 [13.69] 6.0	73.7 [21.60] 40.2 [11.78] 5.9	78.7 [23.06] 62.5 [18.32] 6.3	75.3 [22.07] 56.0 [16.41] 6.1	71.9 [21.07] 49.5 [14.51] 6.0	74.2 [21.75] 65.5 [19.20] 6.1	67.3 [19.72] 59.0 [17.29] 5.8
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	79.3 [23.24] 52.3 [15.33] 6.5	75.8 [22.21] 45.8 [13.42] 6.4	72.4 [21.22] 39.2 [11.49] 6.2	77.4 [22.68] 61.6 [18.05] 6.6	74.0 [21.69] 55.1 [16.15] 6.5	70.5 [20.66] 48.5 [14.21] 6.4	72.8 [21.34] 64.6 [18.93] 6.4	66.0 [19.34] 58.1 [17.03] 6.2
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	77.4 [22.68] 51.4 [15.06] 6.8	74.0 [21.69] 44.9 [13.16] 6.7	70.6 [20.69] 38.3 [11.22] 6.6	75.5 [22.13] 60.7 [17.79] 6.9	72.1 [21.13] 54.2 [15.88] 6.8	68.7 [20.13] 47.6 [13.95] 6.7	71.0 [20.81] 63.7 [18.67] 6.8	64.1 [18.79] 57.2 [16.76] 6.5
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	74.8 [21.92] 50.6 [14.83] 7.2	71.4 [20.93] 44.1 [12.92] 7.1	68.0 [19.93] 37.5 [10.99] 6.9	72.9 [21.36] 59.9 [17.55] 7.3	69.5 [20.37] 53.3 [15.62] 7.2	66.1 [19.37] 46.8 [13.72] 7.0	68.4 [20.05] 62.9 [18.43] 7.1	61.6 [18.05] 56.4 [16.53] 6.8
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	71.4 [20.93] 49.9 [14.62] 7.5	68.0 [19.93] 43.4 [12.72] 7.4	64.6 [18.93] 36.9 [10.81] 7.3	69.5 [20.37] 59.2 [17.35] 7.6	66.1 [19.37] 52.7 [15.44] 7.5	62.7 [18.38] 46.2 [13.54] 7.4	65.0 [19.05] 61.6 [18.05] 7.4	58.2 [17.06] 55.7 [16.32] 7.2

DR —Depression ratio
dbE —Entering air dry bulb
wbE—Entering air wet bulb

Total —Total capacity x 1000 BTUH
Sens —Sensible capacity x 1000 BTUH
Power—KW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$.

[] Designates Metric Conversions



AIRFLOW PERFORMANCE—DIRECT DRIVE RKKA/RKMA- SERIES

Capacity	3 Ton [10.55 kW]—10 & 12 SEER—80,000 BTU/HR [23.45 kW] Heating Input (1/2 HP [373 W])																							
Operation	Heating												Cooling											
Voltage	208						230						208						230					
Motor Speed	Low		Med.		High		Low		Med.		High		Low		Med.		High		Low		Med.		High	
CFM [L/s] Watts	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W
.10 E.S.P. [.025 kPa]	1210 [571]	450	—	—	—	—	1400 [661]	470	—	—	—	—	1210 [571]	405	—	—	—	—	1400 [661]	470	—	—	—	—
.20 E.S.P. [.050 kPa]	1193 [563]	400	—	—	—	—	1375 [649]	460	—	—	—	—	1195 [564]	400	—	—	—	—	1375 [649]	460	—	—	—	—
.30 E.S.P. [.075 kPa]	1175 [555]	395	—	—	—	—	1360 [642]	455	—	—	—	—	1175 [555]	395	—	—	—	—	1360 [642]	455	—	—	—	—
.40 E.S.P. [.10 kPa]	1155 [545]	385	—	—	—	—	1335 [630]	450	—	—	—	—	1155 [545]	385	—	—	—	—	1335 [630]	450	—	—	—	—
.50 E.S.P. [.12 kPa]	1125 [531]	380	—	—	—	—	1305 [616]	440	—	—	—	—	1125 [531]	380	—	—	—	—	1305 [616]	440	—	—	—	—
.60 E.S.P. [.15 kPa]	1075 [507]	375	1350 [637]	475	—	—	1255 [592]	435	—	—	—	—	1075 [507]	375	1350 [637]	475	—	—	1255 [592]	435	—	—	—	—
.70 E.S.P. [.17 kPa]	1015 [479]	370	1275 [602]	460	—	—	1210 [571]	425	1350 [637]	505	—	—	1015 [479]	370	1275 [602]	460	—	—	1210 [571]	425	1350 [637]	505	—	—
.80 E.S.P. [.20 kPa]	925 [437]	360	1180 [557]	445	1280 [604]	515	1100 [519]	410	1230 [580]	475	1375 [649]	555	925 [437]	360	1180 [557]	445	1280 [604]	515	1100 [519]	410	1230 [580]	475	1375 [649]	555

Capacity	3 Ton [10.55 kW]—10 & 12 SEER—120,000 BTU/HR [35.17 kW] Heating Input (1/2 HP [373 W])																							
Operation	Heating												Cooling											
Voltage	208						230						208						230					
Motor Speed	Low		Med.		High		Low		Med.		High		Low		Med.		High		Low		Med.		High	
CFM [L/s] Watts	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W
.10 E.S.P. [.025 kPa]	1210 [571]	405	1515 [715]	525	1680 [793]	650	1400 [661]	470	1685 [795]	635	1870 [883]	780	1210 [571]	405	—	—	—	—	1400 [661]	470	—	—	—	—
.20 E.S.P. [.050 kPa]	1195 [564]	400	1500 [708]	515	1650 [779]	640	1375 [649]	460	1620 [765]	600	1830 [864]	760	1195 [564]	400	—	—	—	—	1375 [649]	460	—	—	—	—
.30 E.S.P. [.075 kPa]	1175 [555]	375	—	—	1625 [767]	630	—	—	1580 [246]	580	1790 [845]	740	1175 [555]	395	—	—	—	—	1360 [642]	455	—	—	—	—
.40 E.S.P. [.10 kPa]	—	—	—	—	1580 [746]	610	—	—	—	—	1730 [816]	700	1155 [545]	385	1475 [696]	505	—	—	1335 [630]	450	—	—	—	—
.50 E.S.P. [.12 kPa]	—	—	—	—	1530 [722]	580	—	—	—	—	1660 [783]	660	1125 [531]	380	1405 [663]	490	—	—	1305 [616]	440	1500 [708]	—	—	—
.60 E.S.P. [.15 kPa]	—	—	—	—	1460 [689]	560	—	—	—	—	1580 [746]	635	1075 [507]	375	1350 [637]	475	1460 [689]	560	1255 [592]	435	1430 [675]	535	—	—
.70 E.S.P. [.17 kPa]	—	—	—	—	1390 [656]	545	—	—	—	—	1500 [708]	600	1015 [479]	370	1275 [602]	460	1398 [656]	545	1210 [571]	425	1350 [637]	545	1500 [708]	603
.80 E.S.P. [.20 kPa]	—	—	—	—	1280 [604]	515	—	—	—	—	1375 [649]	555	925 [437]	360	1180 [557]	445	1280 [604]	515	1100 [519]	410	1230 [580]	475	1375 [649]	555

Capacity	3 Ton [10.55 kW]—10 & 12 SEER—80,000/120,000 BTU/HR [23.45/35.17 kW] Heating Input (1/2 HP [373 W])											
Operation	Heating						Cooling					
Voltage	460						460					
Motor Speed	Low		Med.		High		Low		Med.		High	
CFM [L/s] Watts	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W
.10 E.S.P. [.025 kPa]	1400 [661]	470	—	—	—	—	1400 [661]	470	—	—	—	—
.20 E.S.P. [.050 kPa]	1375 [649]	460	—	—	—	—	1375 [649]	460	—	—	—	—
.30 E.S.P. [.075 kPa]	1360 [642]	455	—	—	—	—	1360 [642]	455	—	—	—	—
.40 E.S.P. [.10 kPa]	1335 [630]	450	—	—	—	—	1335 [630]	450	—	—	—	—
.50 E.S.P. [.12 kPa]	1305 [616]	440	—	—	—	—	1305 [616]	440	—	—	—	—
.60 E.S.P. [.15 kPa]	1255 [592]	435	—	—	—	—	1255 [592]	435	—	—	—	—
.70 E.S.P. [.17 kPa]	1210 [571]	425	—	—	—	—	1210 [571]	425	—	—	—	—
.80 E.S.P. [.20 kPa]	1100 [519]	410	—	—	—	—	1100 [519]	410	—	—	—	—

NOTES: 1. Data shown is with dry coil conditions. See wet coil pressure drop. 2. Data includes 1" filters.
460 volt direct drive does not allow for operation at separate speeds for heating and cooling. Any speed change must be made at the motor terminals and will be reflected in both heating and cooling operation.

[] Designates Metric Conversions

AIRFLOW PERFORMANCE—DIRECT DRIVE RKKA/RKMA- SERIES



Capacity	3 1/2 Ton [12.31 kW]—10 & 12 SEER—80,000 BTU/HR [23.45 kW] Heating Input (1/2 HP [373 W])																							
Operation	Heating												Cooling											
Voltage	208						230						208						230					
Motor Speed	Low		Med.		High		Low		Med.		High		Low		Med.		High		Low		Med.		High	
CFM [L/s] Watts	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W
.10 E.S.P. [.025 kPa]	1210 [571]	405	—	—	—	—	1400 [661]	470	—	—	—	—	1210 [571]	405	1515 [715]	525	—	—	1400 [661]	470	1685 [782]	635	—	—
.20 E.S.P. [.050 kPa]	1193 [563]	400	—	—	—	—	1375 [649]	460	—	—	—	—	1195 [564]	400	1500 [708]	515	—	—	1375 [649]	460	1620 [765]	600	—	—
.30 E.S.P. [.075 kPa]	1175 [555]	395	—	—	—	—	1360 [642]	455	—	—	—	—	—	—	1475 [696]	505	—	—	1360 [642]	455	1580 [746]	580	—	—
.40 E.S.P. [.10 kPa]	1155 [545]	385	—	—	—	—	1335 [639]	450	—	—	—	—	—	—	1450 [684]	500	1580 [746]	610	—	—	1550 [732]	570	1720 [812]	—
.50 E.S.P. [.12 kPa]	1125 [531]	380	—	—	—	—	1305 [616]	440	—	—	—	—	—	—	1405 [663]	490	1530 [722]	580	—	—	1500 [708]	550	1660 [783]	660
.60 E.S.P. [.15 kPa]	1075 [507]	375	1350 [637]	475	—	—	1255 [592]	435	—	—	—	—	—	—	1350 [637]	475	1460 [689]	560	—	—	1430 [675]	535	1580 [746]	635
.70 E.S.P. [.17 kPa]	1015 [479]	370	1275 [602]	460	1390 [656]	545	1210 [571]	425	1350 [637]	505	—	—	—	—	1275 [602]	460	1390 [656]	545	—	—	1350 [637]	505	1500 [708]	600
.80 E.S.P. [.20 kPa]	925 [437]	360	1180 [557]	445	1280 [604]	515	1100 [519]	410	1230 [580]	475	1375 [649]	555	—	—	1180 [557]	445	1280 [604]	515	—	—	1230 [580]	475	1375 [649]	555

Capacity	3 1/2 Ton [12.31 kW]—10 & 12 SEER—120,000 BTU/HR [35.17 kW] Heating Input (1/2 HP [373 W])																							
Operation	Heating												Cooling											
Voltage	208						230						208						230					
Motor Speed	Low		Med.		High		Low		Med.		High		Low		Med.		High		Low		Med.		High	
CFM [L/s] Watts	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W
.10 E.S.P. [.025 kPa]	1210 [571]	405	1515 [715]	525	1680 [793]	650	1400 [661]	470	1685 [795]	635	1870 [883]	780	1210 [571]	405	1515 [715]	525	1680 [793]	650	1400 [661]	470	1685 [795]	635	—	—
.20 E.S.P. [.050 kPa]	1125 [574]	400	1500 [708]	515	1650 [779]	640	1375 [649]	460	1620 [765]	600	1830 [864]	760	1195 [564]	400	1500 [708]	515	1630 [769]	640	1375 [649]	460	1620 [765]	600	—	—
.30 E.S.P. [.075 kPa]	1125 [555]	395	1475 [696]	505	1625 [767]	630	1360 [642]	455	1580 [746]	580	1790 [845]	740	1175 [555]	395	1475 [696]	505	1625 [767]	630	1360 [642]	455	1580 [746]	580	—	—
.40 E.S.P. [.10 kPa]	1155 [545]	385	1450 [684]	500	1580 [746]	610	—	—	1550 [732]	570	1730 [816]	700	—	—	1450 [684]	500	1580 [746]	610	—	—	1550 [732]	570	1730 [816]	700
.50 E.S.P. [.12 kPa]	—	—	1405 [663]	490	1530 [722]	580	—	—	—	—	1660 [783]	660	—	—	1405 [663]	490	1530 [722]	580	—	—	1500 [708]	550	1580 [783]	660
.60 E.S.P. [.15 kPa]	—	—	—	—	1460 [689]	560	—	—	—	—	1580 [746]	635	—	—	1350 [637]	475	1460 [689]	560	—	—	1430 [675]	535	1580 [746]	635
.70 E.S.P. [.17 kPa]	—	—	—	—	1390 [656]	545	—	—	—	—	1500 [708]	600	—	—	1275 [602]	460	1390 [656]	545	—	—	1350 [637]	505	1500 [708]	600
.80 E.S.P. [.20 kPa]	—	—	—	—	1280 [604]	515	—	—	—	—	1375 [649]	555	—	—	1180 [557]	445	1280 [604]	515	—	—	1230 [580]	475	1375 [649]	555

Capacity	3 1/2 Ton [12.31 kW]—10 & 12 SEER—80,000/120,000 BTU/HR [23.45/35.17 kW] Heating Input (1/2 HP [373 W])											
Operation	Heating						Cooling					
Voltage	460						460					
Motor Speed	Low		Med.		High		Low		Med.		High	
CFM [L/s] Watts	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W
.10 E.S.P. [.025 kPa]	—	—	1685 [795]	635	—	—	—	—	1685 [795]	635	—	—
.20 E.S.P. [.050 kPa]	—	—	1620 [765]	600	—	—	—	—	1620 [765]	600	—	—
.30 E.S.P. [.075 kPa]	—	—	1580 [746]	580	—	—	—	—	1580 [746]	580	—	—
.40 E.S.P. [.10 kPa]	—	—	1550 [732]	570	—	—	—	—	1550 [732]	570	—	—
.50 E.S.P. [.12 kPa]	—	—	1500 [708]	550	—	—	—	—	1500 [708]	550	—	—
.60 E.S.P. [.15 kPa]	—	—	1430 [675]	535	—	—	—	—	1430 [675]	535	—	—
.70 E.S.P. [.17 kPa]	—	—	1350 [637]	505	—	—	—	—	1350 [637]	505	—	—
.80 E.S.P. [.20 kPa]	—	—	1230 [580]	475	—	—	—	—	1230 [580]	475	—	—

NOTES: 1. Data shown is with dry coil conditions. See wet coil pressure drop. 2. Data includes 1" filters.
460 volt direct drive does not allow for operation at separate speeds for heating and cooling. Any speed change must be made at the motor terminals and will be reflected in both heating and cooling operation.

[] Designates Metric Conversions



AIRFLOW PERFORMANCE—DIRECT DRIVE RKKA/RKMA- SERIES

Capacity	4 Ton [14.07 kW]—10 & 12 SEER—100,000 BTU/HR [29.31 kW] Heating Input (1/2 HP [373 W])																	
Operation	Heating									Cooling								
Voltage	208						230						208					
Motor Speed	Low		Med.		High		Low		Med.		High		Low		Med.		High	
CFM [L/s] Watts	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W
.10 E.S.P. [.025 kPa]	1210 [571]	405	1515 [715]	525	—	—	1400 [661]	470	1685 [795]	635	—	—	1515 [715]	525	1680 [793]	650	1400 [661]	490
.20 E.S.P. [.050 kPa]	—	—	1500 [708]	515	—	—	1375 [649]	460	1620 [765]	600	—	—	1500 [708]	515	1650 [779]	640	—	—
.30 E.S.P. [.075 kPa]	—	—	1475 [696]	505	—	—	1360 [642]	455	1580 [746]	580	—	—	1475 [696]	505	1625 [767]	630	—	—
.40 E.S.P. [.10 kPa]	—	—	1450 [684]	500	—	—	—	—	1550 [732]	570	—	—	1450 [684]	500	1580 [746]	610	—	—
.50 E.S.P. [.12 kPa]	—	—	1405 [663]	490	—	—	—	—	1500 [708]	550	—	—	—	—	1530 [722]	580	—	—
.60 E.S.P. [.15 kPa]	—	—	1350 [637]	475	1460 [689]	560	—	—	1430 [675]	535	1380 [651]	635	—	—	1460 [689]	560	—	—
.70 E.S.P. [.17 kPa]	—	—	1275 [602]	460	1390 [656]	545	—	—	1350 [637]	505	1500 [708]	600	—	—	1390 [656]	545	—	—
.80 E.S.P. [.20 kPa]	—	—	1180 [557]	445	1280 [604]	515	—	—	1230 [580]	475	1375 [649]	555	—	—	1280 [604]	515	—	—

Capacity	4 Ton [14.07 kW]—10 & 12 SEER—135,000 BTU/HR [39.56 kW] Heating Input (1/2 HP [373 W])																	
Operation	Heating									Cooling								
Voltage	208						230						208					
Motor Speed	Low		Med.		High		Low		Med.		High		Low		Med.		High	
CFM [L/s] Watts	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W
.10 E.S.P. [.025 kPa]	—	—	1515 [715]	525	1680 [793]	650	1400 [661]	470	1685 [795]	635	1870 [883]	780	1210 [571]	405	1515 [715]	525	1680 [793]	650
.20 E.S.P. [.050 kPa]	—	—	1500 [708]	515	1650 [779]	640	—	—	1620 [765]	600	1830 [864]	760	—	—	1500 [708]	515	1630 [769]	640
.30 E.S.P. [.075 kPa]	—	—	—	—	1625 [767]	630	—	—	1580 [746]	580	1790 [845]	740	—	—	1475 [696]	505	1625 [767]	630
.40 E.S.P. [.10 kPa]	—	—	—	—	1580 [746]	610	—	—	1550 [732]	570	1730 [816]	700	—	—	1450 [684]	500	1580 [746]	610
.50 E.S.P. [.12 kPa]	—	—	—	—	1530 [722]	580	—	—	—	—	1660 [783]	660	—	—	—	—	1530 [722]	580
.60 E.S.P. [.15 kPa]	—	—	—	—	1460 [689]	560	—	—	—	—	1580 [746]	635	—	—	—	—	1460 [689]	560
.70 E.S.P. [.17 kPa]	—	—	—	—	1390 [656]	545	—	—	—	—	1500 [708]	600	—	—	—	—	1390 [656]	545
.80 E.S.P. [.20 kPa]	—	—	—	—	1280 [604]	515	—	—	—	—	1375 [649]	555	—	—	—	—	1280 [604]	515

Capacity	4 Ton [14.07 kW]—10 & 12 SEER—100,000/135,000 BTU/HR [29.31/39.56 kW] Heating Input (1/2 HP [373 W])											
Operation	Heating						Cooling					
Voltage	460						460					
Motor Speed	Low		Med.		High		Low		Med.		High	
CFM [L/s] Watts	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W
.10 E.S.P. [.025 kPa]	—	—	—	—	1870 [883]	780	—	—	—	—	1870 [883]	780
.20 E.S.P. [.050 kPa]	—	—	—	—	1830 [864]	760	—	—	—	—	1830 [864]	760
.30 E.S.P. [.075 kPa]	—	—	—	—	1790 [845]	740	—	—	—	—	1790 [845]	740
.40 E.S.P. [.10 kPa]	—	—	—	—	1730 [816]	700	—	—	—	—	1730 [816]	700
.50 E.S.P. [.12 kPa]	—	—	—	—	1660 [783]	660	—	—	—	—	1660 [783]	660
.60 E.S.P. [.15 kPa]	—	—	—	—	1580 [746]	635	—	—	—	—	1580 [746]	635
.70 E.S.P. [.17 kPa]	—	—	—	—	1500 [708]	600	—	—	—	—	1500 [708]	600
.80 E.S.P. [.20 kPa]	—	—	—	—	1375 [649]	555	—	—	—	—	1375 [649]	555

NOTES: 1. Data shown is with dry coil conditions. See wet coil pressure drop. 2. Data includes 1" filters.
460 volt direct drive does not allow for operation at separate speeds for heating and cooling. Any speed change must be made at the motor terminals and will be reflected in both heating and cooling operation.

[] Designates Metric Conversions

AIRFLOW PERFORMANCE—DIRECT DRIVE RKKA/RKMA- SERIES



Capacity	5 Ton [17.6 kW]—10 SEER—100,000 BTU/HR [29.31 kW] Heating Input (3/4 HP [559 W])																							
Operation	Heating												Cooling											
Voltage	208						230						208						230					
Motor Speed	Low		Med.		High		Low		Med.		High		Low		Med.		High		Low		Med.		High	
CFM [L/s] Watts	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W
.10 E.S.P. [.025 kPa]	1450 [684]	605	—	—	—	—	1690 [798]	750	—	—	—	—	—	—	2050 [967]	830	2180 [1029]	970	—	—	2175 [1026]	980	2400 [1133]	1080
.20 E.S.P. [.050 kPa]	1425 [673]	590	—	—	—	—	1660 [783]	740	—	—	—	—	—	—	1960 [925]	790	2150 [1015]	940	—	—	2125 [1003]	920	2380 [1123]	1070
.30 E.S.P. [.075 kPa]	1405 [663]	580	—	—	—	—	1615 [762]	730	—	—	—	—	—	—	1890 [892]	760	2060 [972]	905	—	—	2040 [963]	880	2260 [1067]	1030
.40 E.S.P. [.10 kPa]	1375 [649]	570	—	—	—	—	1570 [741]	710	—	—	—	—	—	—	1800 [850]	730	1950 [920]	860	—	—	1930 [911]	860	2180 [1029]	980
.50 E.S.P. [.12 kPa]	1335 [630]	560	—	—	—	—	1310 [618]	680	—	—	—	—	—	—	—	—	1830 [864]	820	—	—	1825 [861]	825	2100 [991]	960
.60 E.S.P. [.15 kPa]	1300 [614]	550	—	—	—	—	1440 [680]	660	—	—	—	—	—	—	—	—	1680 [793]	770	—	—	—	—	2000 [944]	930
.70 E.S.P. [.17 kPa]	1260 [595]	540	—	—	1450 [684]	705	1375 [649]	645	—	—	—	—	—	—	—	—	1450 [684]	705	—	—	—	—	1900 [897]	880
.80 E.S.P. [.20 kPa]	1220 [576]	530	—	—	1340 [632]	670	1310 [618]	625	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1600 [755]	820

Capacity	5 Ton [17.6 kW]—10 SEER—135,000 BTU/HR [39.56 kW] Heating Input (3/4 HP [559 W])																							
Operation	Heating												Cooling											
Voltage	208						230						208						230					
Motor Speed	Low		Med.		High		Low		Med.		High		Low		Med.		High		Low		Med.		High	
CFM [L/s] Watts	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W
.10 E.S.P. [.025 kPa]	—	—	2050 [967]	830	2180 [1029]	970	—	—	2175 [1026]	980	2400 [1133]	1080	—	—	—	—	2180 [1029]	970	—	—	2175 [1026]	980	2400 [1133]	1080
.20 E.S.P. [.050 kPa]	—	—	1960 [925]	790	2150 [1015]	940	—	—	2123 [1002]	920	2380 [1123]	1070	—	—	—	—	2150 [1015]	940	—	—	2125 [1003]	920	2380 [1123]	1070
.30 E.S.P. [.075 kPa]	—	—	1860 [878]	760	2060 [972]	905	—	—	2040 [963]	880	2260 [1067]	1030	—	—	—	—	2060 [972]	905	—	—	2040 [963]	880	2260 [1067]	1030
.40 E.S.P. [.10 kPa]	—	—	1800 [730]	730	1960 [925]	860	—	—	1950 [920]	860	2180 [1029]	980	—	—	—	—	1960 [925]	860	—	—	1930 [911]	860	2180 [1029]	980
.50 E.S.P. [.12 kPa]	—	—	—	—	1830 [864]	820	—	—	1825 [861]	825	2100 [991]	960	—	—	—	—	1830 [864]	820	—	—	1825 [861]	825	2100 [991]	960
.60 E.S.P. [.15 kPa]	—	—	—	—	1680 [793]	770	—	—	—	—	2000 [944]	930	—	—	—	—	1680 [793]	770	—	—	—	—	2000 [944]	930
.70 E.S.P. [.17 kPa]	—	—	—	—	1450 [684]	705	—	—	—	—	1900 [897]	880	—	—	—	—	1450 [684]	705	—	—	—	—	1900 [897]	880
.80 E.S.P. [.20 kPa]	—	—	—	—	—	—	—	—	—	—	1600 [755]	820	—	—	—	—	—	—	—	—	—	—	1600 [755]	820

Capacity	5 Ton [17.6 kW]—10 SEER—100,000/135,000 BTU/HR [29.31/39.56 kW] Heating Input (3/4 HP [559 W])											
Operation	Heating						Cooling					
Voltage	460						460					
Motor Speed	Low		Med.		High		Low		Med.		High	
CFM [L/s] Watts	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W
.10 E.S.P. [.025 kPa]	—	—	—	—	2400 [1133]	1080	—	—	—	—	2400 [1133]	1080
.20 E.S.P. [.050 kPa]	—	—	—	—	2380 [1123]	1070	—	—	—	—	2380 [1123]	1070
.30 E.S.P. [.075 kPa]	—	—	—	—	2260 [1067]	1030	—	—	—	—	2260 [1067]	1030
.40 E.S.P. [.10 kPa]	—	—	—	—	2180 [1029]	980	—	—	—	—	2180 [1029]	980
.50 E.S.P. [.12 kPa]	—	—	—	—	2100 [991]	960	—	—	—	—	2100 [991]	960
.60 E.S.P. [.15 kPa]	—	—	—	—	2000 [944]	930	—	—	—	—	2000 [944]	930
.70 E.S.P. [.17 kPa]	—	—	—	—	1900 [897]	880	—	—	—	—	1900 [897]	880
.80 E.S.P. [.20 kPa]	—	—	—	—	1600 [755]	820	—	—	—	—	1600 [755]	820

NOTES: 1. Data shown is with dry coil conditions. See wet coil pressure drop. 2. Data includes 1" filters.
460 volt direct drive does not allow for operation at separate speeds for heating and cooling. Any speed change must be made at the motor terminals and will be reflected in both heating and cooling operation.

[] Designates Metric Conversions



AIRFLOW PERFORMANCE—RKKA/RKMA- SERIES

AIRFLOW PERFORMANCE—3 TON [10.55 kW] GAS HEAT MODELS BELT DRIVE

Air Flow CFM [L/s]	Capacity 3 Ton [10.55 kW]—10 & 12 SEER		External Static Pressure—Inches of Water [kPa]																												
	Voltage 208/230-460 & 575—3 Phase																														
	0.1 [0.02]	0.2 [0.05]	0.3 [0.07]	0.4 [0.10]	0.5 [0.12]	0.6 [0.15]	0.7 [0.17]	0.8 [0.20]	0.9 [0.22]	1.0 [0.25]	1.1 [0.27]	1.2 [0.30]	1.3 [0.32]	1.4 [0.35]	1.5 [0.37]																
RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W														
900 [425]	—	—	—	660	230	715	260	780	290	845	340	905	400	980	455	1010	470	1055	490	1095	525	1105	540	1120	575	1180	605	1225	650	1260	715
1000 [472]	—	—	615	225	670	255	740	280	800	320	860	375	925	425	980	470	1025	485	1075	515	1105	540	1120	575	1180	605	1225	650	1260	715	
1100 [519]	—	—	630	265	700	275	760	310	820	345	885	390	940	435	995	485	1035	505	1085	540	1120	575	1180	605	1225	650	1260	715	1270	730	
1200 [566]	605	250	655	270	720	305	775	340	835	370	900	415	955	475	1005	495	1045	540	1095	580	1130	605	1180	695	1210	690	1230	730	1290	780	
1300 [614]	620	275	675	300	750	340	805	375	865	400	920	455	970	505	1025	530	1060	575	1115	610	1155	630	1195	680	1220	730	1255	780	1300	825	
1400 [661]	640	305	710	340	775	375	825	395	880	440	940	480	990	520	1035	560	1080	590	1125	650	1170	705	1215	775	1230	810	1270	840	1320	880	
1500 [708]	680	340	745	370	800	405	845	425	910	490	955	535	1005	565	1050	615	1060	660	1135	700	1185	760	1225	820	850	1290	905	1330	940		

NOTE: Bold lines separate L, M and N drives respectively.

Drive Package		L										M					
Motor H.P. [W]		1/2 [373]										1/2 [373]					
Blower Sheave		6.9" Pitch Diameter										6.4" Pitch Diameter					
Motor Sheave		2.4"-3.4" Pitch Diameter										3.4"-4.4" Pitch Diameter					
Turns Open		0	1	2	3	4	5	6	0	1	2	3	4	5	6		
RPM		920	855	800	750	705	665	605	1230	1180	1130	1090	1045	1000	940		

NOTE: Factory sheave settings are shown in bold print.

COMPONENT AIR RESISTANCE

Component	Standard Indoor Airflow—CFM [L/s]									
	1000 [472]	1200 [566]	1400 [661]	1600 [755]	1800 [850]	2000 [944]	2200 [1038]	2400 [1133]	2600 [1227]	2800 [1321]
Wet Coil	Resistance—Inches Water [kPa]									
	.035	.040	.060	.070	.085	.100	.110	.120	.125	.130
Downflow	.055	.060	.066	.072	.080	.086	.093	.100	.107	.115
R.S.I. Economizer R.A. Damper	.05	.06	.07	.08	.09	.10	.11	.12	.13	.15

NOTES:

1. Performance shown with dry coil & standard 1" [25.4 mm] filters
2. Standard CFM @ .075 lbs./cu. ft.
3. Motor efficiency = 80% on 208/230, 460, 575 V, 3-Phase
Motor efficiency = 50% on 208/230 V, 1-Phase
4. BHP = Watts x Motor Eff.
746
5. Add component resistance to duct static to determine total E.S.P.

[] Designates Metric Conversions

AIRFLOW PERFORMANCE—RKKA/RKMA- SERIES



AIRFLOW PERFORMANCE—3.5 TON [12.31 kW] BELT DRIVE

Air Flow CFM [L/s]	Capacity 3.5 Ton [12.31 kW]—10 & 12 SEER		External Static Pressure—Inches of Water [kPa]																			
	Voltage 208/230-460 & 575—3 Phase		0.1 [0.02]		0.2 [0.05]		0.3 [0.07]		0.4 [0.10]		0.5 [0.12]		0.6 [0.15]		0.7 [0.17]		0.8 [0.20]		0.9 [0.22]		1.0 [0.25]	
	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W
1000 [425]	—	—	—	—	—	—	—	—	735	305	790	325	850	360	895	380	945	400	995	420	1060	455
1100 [519]	—	—	—	—	—	—	—	—	750	320	810	355	870	390	915	400	965	415	1010	450	1075	500
1200 [566]	—	—	—	—	—	—	—	—	770	335	835	380	895	410	935	440	985	450	1030	500	1090	540
1300 [614]	—	—	—	—	—	—	—	—	795	350	860	415	925	445	965	465	1015	510	1060	550	1125	590
1400 [661]	—	—	—	—	—	—	—	—	820	365	885	430	940	460	980	485	1030	520	1080	560	1145	610
1500 [709]	—	—	—	—	—	—	—	—	845	380	905	445	965	475	1005	500	1050	530	1100	580	1170	635
1600 [755]	—	—	—	—	—	—	—	—	870	395	930	460	990	490	1030	510	1075	540	1125	600	1195	660
1700 [802]	—	—	—	—	—	—	—	—	895	410	955	475	1015	505	1055	530	1100	560	1150	620	1220	685
1800 [850]	—	—	—	—	—	—	—	—	920	425	980	490	1040	520	1080	545	1125	570	1175	640	1245	710
1900 [897]	—	—	—	—	—	—	—	—	945	440	1005	505	1065	535	1105	560	1150	590	1200	660	1270	735
2000 [944]	—	—	—	—	—	—	—	—	970	455	1030	520	1090	550	1130	575	1175	600	1225	685	1300	770

NOTE: Bold lines separate L, M and N drives respectively.

Drive Package	L		M	
	1/2 [373]		1/2 [373]	
Motor H.P. [W]	6.9" Pitch Diameter		6.4" Pitch Diameter	
Blower Sheave	2.8"-3.8" Pitch Diameter		4.0"-5.0" Pitch Diameter	
Motor Sheave	0		0	
Turns Open	0	1	2	3
RPM	958	945	905	865

NOTE: Factory sheave settings are shown in bold print.

N Drive (Field Supplied)
Blower Sheave—6.4 Pitch Diameter
Motor Sheave—4.0-5.0 Pitch Diameter
RPM Range—1090-1365
Motor—1/2 H.P. [373 W]—1750 RPM

AIRFLOW PERFORMANCE—4 TON [14.07 kW] BELT DRIVE

Air Flow CFM [L/s]	Capacity 4 Ton [14.07 kW]—10 & 12 SEER		External Static Pressure—Inches of Water [kPa]																			
	Voltage 208/230-460 & 575—3 Phase		0.1 [0.02]		0.2 [0.05]		0.3 [0.07]		0.4 [0.10]		0.5 [0.12]		0.6 [0.15]		0.7 [0.17]		0.8 [0.20]		0.9 [0.22]		1.0 [0.25]	
	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W
1200 [566]	—	—	—	—	—	—	—	—	780	360	835	390	895	410	935	440	975	475	1015	505	1070	550
1300 [614]	—	—	—	—	—	—	—	—	805	380	855	410	910	430	950	470	990	510	1030	545	1085	590
1400 [661]	—	—	—	—	—	—	—	—	830	395	880	425	935	445	980	510	1020	550	1060	570	1115	610
1500 [709]	—	—	—	—	—	—	—	—	855	410	900	440	955	460	1000	525	1040	560	1085	590	1140	645
1600 [755]	—	—	—	—	—	—	—	—	880	425	925	455	980	475	1025	540	1065	570	1105	600	1160	680
1700 [802]	—	—	—	—	—	—	—	—	905	440	950	470	1000	490	1040	560	1080	590	1120	620	1180	710
1800 [850]	—	—	—	—	—	—	—	—	930	455	975	485	1020	505	1065	580	1105	610	1150	640	1210	735
1900 [897]	—	—	—	—	—	—	—	—	955	470	1000	500	1045	520	1085	600	1130	630	1175	660	1235	770
2000 [944]	—	—	—	—	—	—	—	—	980	485	1025	515	1070	535	1115	645	1155	660	1200	685	1260	790

NOTE: L-Drive left of bold line, M-Drive right of bold line.

Drive Package	L		M	
	1/2 [373]		3/4 [559]	
Motor H.P. [W]	6.4" Pitch Diameter		5.7" Pitch Diameter	
Blower Sheave	2.8"-3.8" Pitch Diameter		3.4"-4.4" Pitch Diameter	
Motor Sheave	0		0	
Turns Open	0	1	2	3
RPM	1060	1000	955	910

NOTE: Factory sheave settings are shown in bold print.

[] Designates Metric Conversions



AIRFLOW PERFORMANCE—RKKA/RKMA- SERIES

AIRFLOW PERFORMANCE—5 TON [17.6 kW] SINGLE PHASE BELT DRIVE

Air Flow CFM [L/s]	Capacity 5 Ton [17.6 kW]—10 & 12 SEER Voltage 208/230-460 & 575—Single Phase																																									
	External Static Pressure—Inches of Water [kPa]																																									
	0.1 [.02]						0.2 [.05]						0.3 [.07]						0.4 [.10]						0.5 [.12]						0.6 [.15]						0.7 [.17]					
	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W												
1400 [661]	—	—	765	360	380	380	890	400	460	480	950	420	990	435	1020	455	—	—	—	—	765	360	380	380	890	380	950	400	990	445	1030	430										
1500 [708]	—	—	—	795	395	855	425	925	460	480	960	500	1005	510	540	—	—	—	—	—	795	380	855	400	925	440	960	480	1005	475	1050	500										
1600 [755]	770	410	835	440	880	460	940	490	980	500	1015	540	1015	540	—	—	770	400	835	425	890	445	940	475	980	490	1015	530	1065	560	—	—										
1700 [802]	825	460	860	480	925	520	955	540	1010	560	1035	590	1010	560	—	—	825	440	860	470	925	490	955	515	1010	540	1035	580	—	—	—	—										
1800 [850]	880	520	905	540	945	565	995	580	1030	630	1045	650	—	—	—	—	880	500	805	525	945	540	995	570	1030	605	1045	640	—	—	—	—										
1900 [897]	905	565	945	600	980	640	1010	660	1040	710	—	—	—	—	—	—	905	555	945	557	980	600	1010	650	1040	670	1065	710	—	—	—	—										
2000 [944]	960	640	980	670	1010	710	1030	740	—	—	—	—	—	—	—	—	960	620	980	640	1010	700	1030	730	1065	750	—	—	—	—	—	—										
2100 [991]	990	730	1015	760	1040	800	—	—	—	—	—	—	—	—	—	—	990	690	1015	720	1040	750	1065	790	—	—	—	—	—	—	—	—										
2200 [1038]	1030	825	1010	870	—	—	—	—	—	—	—	—	—	—	—	—	1030	760	1040	790	—	—	—	—	—	—	—	—	—	—	—	—										
2300 [1085]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1060	860	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—									

"L" = 208 Volt
"U" = 230 Volt

"L" — 230 Volt

"L" — 208 Volt

Drive Package	"L" — 208 Volt												"L" — 230 Volt											
Motor H.P. [W]	3/4 [559]												3/4 [559]											
Blower Sheave	6.4" Pitch Diameter												6.4" Pitch Diameter											
Motor Sheave	2.8"-3.8" Pitch Diameter—Adj.												2.8"-3.8" Pitch Diameter—Adj.											
Turns Open	0	1	2	3	4	5	6	0	1	2	3	4	5	6										
RPM	1045	1000	955	905	860	810	745	1065	1025	980	930	880	830	765										

AIRFLOW PERFORMANCE—5 TON [17.6 kW] THREE PHASE BELT DRIVE

Air Flow CFM [L/s]		Capacity 5 Ton [17.6 kW]—10 & 12 SEER Voltage 208/230-460 & 575—3 Phase																												
		External Static Pressure—Inches of Water [kPa]																												
		0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]	0.9 [.22]	1.0 [.25]	1.1 [.27]	1.2 [.30]	1.3 [.32]	1.4 [.35]	1.5 [.37]														
RPW	W	RPW	W	RPW	W	RPW	W	RPW	W	RPW	W	RPW	W	RPW	W	RPW	W													
1400 [661]	—	—	780	370	815	385	870	425	930	460	970	480	1030	540	1065	570	1105	595	1150	615	1195	645	1235	660	1300	705	1340	745		
1500 [708]	—	—	—	795	405	840	415	895	440	945	500	985	540	1045	595	1080	615	1135	650	1165	675	1215	700	1255	735	1320	775	1355	805	
1600 [755]	—	—	780	390	805	425	870	470	915	510	965	560	1015	600	1060	640	1105	680	1140	725	1180	730	1245	750	1275	1340	1385	880	940	
1700 [802]	—	—	—	795	450	840	490	895	530	940	570	990	605	1035	640	1075	680	1120	725	1160	755	1200	790	1245	815	1300	855	1375	980	
1800 [850]	780	455	815	470	870	540	915	560	965	615	1010	660	1065	710	1100	760	1140	785	1175	810	1225	860	880	1260	890	1320	930	1365	985	1020
1900 [897]	800	485	860	530	895	590	945	640	995	675	1035	720	1070	775	1120	810	1160	860	1200	890	915	1290	960	1335	1000	1375	1060	1405	1100	
2000 [944]	830	550	880	605	930	655	970	700	1015	730	1055	790	1105	830	1145	875	1180	910	1225	950	1260	980	1320	1035	1075	1385	1120	—	—	
2100 [991]	860	615	915	655	955	705	1005	760	1040	820	1090	870	1130	910	1170	950	1210	995	1250	1020	1290	1060	1335	1100	1375	1400	1200	—	—	
2200 [1038]	895	680	945	735	995	780	1030	830	1060	880	1120	940	1155	980	1195	1020	1240	1055	1275	1100	1320	1140	1360	1180	1385	1225	—	—	—	
2300 [1085]	940	735	975	795	1015	830	1065	910	1100	965	1150	105	1180	1050	1225	1095	1265	1125	1310	1175	1330	1230	1375	1260	1405	1320	—	—	—	
2400 [1133]	970	825	1015	880	1040	925	1095	1005	1145	1055	1175	1085	1225	1140	1260	1175	1300	1210	1340	1255	1370	1315	1400	1375	—	—	—	—	—	
2500 [1179]	1015	910	1040	935	1095	1040	1145	1100	1170	1140	1200	1175	1260	1215	1305	1270	1360	1350	1400	1395	—	—	—	—	—	—	—	—	—	

NOTE: L-Drive left of bold line, M-Drive right of bold line.

Drive Package	"L" — 230 Volt											
Motor H.P. [W]	3/4 [559]											
Blower Sheave	6.4" Pitch Diameter											
Motor Sheave	2.8" - 3.8" Pitch Diameter—Adj.											
Turns Open	0	1	2	3	4	5	6	0	1	2	3	4
RPM	1095	1040	995	940	890	835	780	1405	1360	1305	1250	1195

NOTE: Factory sheave settings are shown in bold print.

AIRFLOW PERFORMANCE—RKKA/RKMA- SERIES



AIRFLOW PERFORMANCE—6 TON [21.10 kW] THREE PHASE BELT DRIVE

Air Flow CFM [L/s]	External Static Pressure—Inches of Water [kPa]																															
	Capacity 6 Ton [21.10 kW]—0.4 & 10.3 SEER																															
	Voltage 208/230-480 & 575—3 Phase																															
0.1 [0.02]	0.2 [0.05]	0.3 [0.07]	0.4 [0.10]	0.5 [0.12]	0.6 [0.15]	0.7 [0.17]	0.8 [0.20]	0.9 [0.22]	1.0 [0.25]	1.1 [0.27]	1.2 [0.30]	1.3 [0.32]	1.4 [0.35]	1.5 [0.37]																		
RPM W	RPM W	RPM W	RPM W	RPM W	RPM W	RPM W	RPM W	RPM W	RPM W	RPM W	RPM W	RPM W	RPM W	RPM W																		
1800 [850]	—	—	—	—	—	—	—	—	—	—	—	—	—	—																		
1900 [897]	—	—	—	—	—	—	—	—	—	—	—	—	—	—																		
2000 [944]	—	—	—	—	—	—	—	—	—	—	—	—	—	—																		
2100 [991]	—	—	—	—	—	—	—	—	—	—	—	—	—	—																		
2200 [1038]	780	660	825	700	865	750	910	810	945	850	980	1015	930	1050																		
2300 [1085]	815	720	855	760	890	830	930	870	960	910	1000	960	1035	1005																		
2400 [1133]	845	780	880	835	920	900	960	945	980	960	1020	1085	1025	1055																		
2500 [1180]	870	855	910	915	945	975	980	1020	1020	1085	1045	1140	1080	1200																		
2600 [1227]	900	945	940	1005	975	1060	1005	1105	1040	1175	1065	1225	1100	1295																		
2700 [1274]	960	1075	970	1100	1040	1145	1030	1200	1050	1260	1090	1335	1125	1395																		
2800 [1321]	980	1150	1000	1195	1025	1240	1055	1305	1085	1350	1115	1440	1145	1510																		

NOTE: L-Drive left of bold line, M-Drive right of bold line.

Drive Package	L		M	
Motor H.P. [W]	1 1/2 [1119]		1 1/2 [1119]	
Blower Sheave	2.8" 3.8" Pitch Diameter		6.4" Pitch Diameter	
Motor Sheave	2.8" 3.8" Pitch Diameter—Adj.		3.4" 4.4" Pitch Diameter—Adj.	
Turns Open	0	1	2	3
RPM	1100	1050	1000	945
			895	845
			780	730
			685	635
			590	540
			500	450
			415	365
			330	280
			245	195
			160	110
			75	25
			—	—

NOTE: Factory sheave settings are shown in bold print.

[] Designates Metric Conversions



AIRFLOW PERFORMANCE—RKKA/RKMA- SERIES

AIRFLOW PERFORMANCE—7.5 TON [26.4 kW] THREE PHASE BELT DRIVE

Capacity 7.5 Ton [26.4 kW]—9.1 SEER		External Static Pressure—Inches of Water [kPa]																																			
Voltage 208/230-460 & 575—3 Phase																																					
Air Flow CFM [L/s]																																					
	0.1 [0.2]	0.2 [0.05]	0.3 [0.07]	0.4 [0.10]	0.5 [0.12]	0.6 [0.15]	0.7 [0.17]	0.8 [0.20]	0.9 [0.22]	1.0 [0.25]	1.1 [0.27]	1.2 [0.30]	1.3 [0.32]	1.4 [0.35]	1.5 [0.37]	1.6 [0.40]	1.7 [0.42]	1.8 [0.45]	1.9 [0.47]	2.0 [0.50]																	
RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W																
2200 [94.4]	—	—	—	—	—	970	929	988	989	1028	1080	1055	1110	1083	1170	1112	1231	1140	1291	1168	1351	1197	1411	1225	1472	1254	1532	1282	1592	1311	1653	1339	1713	1367	1773	1396	1833
2300 [108.5]	—	—	—	—	—	983	1029	1017	1089	1045	1150	1074	1210	1102	1270	1131	1333	1159	1391	1187	1451	1216	1511	1244	1572	1273	1632	1301	1692	1329	1753	1358	1813	1386	1873	—	—
2400 [113.3]	—	—	—	—	—	978	1058	1027	1129	1035	1189	1064	1250	1093	1310	1121	1370	1149	1431	1178	1491	1206	1551	1235	1611	1263	1672	1292	1732	1320	1792	1348	1853	1377	1913	—	—
2500 [118.0]	—	—	—	—	—	969	1108	998	1169	1025	1285	1085	1389	1083	1450	1170	1470	1168	1531	1197	1591	1225	1651	1254	1711	1282	1772	1310	1832	1339	1892	1367	1953	1396	2013	—	—
2600 [122.7]	—	—	—	—	—	988	1208	1017	1269	1045	1329	1074	1389	1102	1450	1170	1470	1168	1531	1197	1591	1225	1651	1254	1711	1282	1772	1310	1832	1339	1892	1367	1953	1396	2013	—	—
2700 [127.4]	—	—	—	—	—	979	1248	1027	1308	1036	1369	1054	1429	1083	1489	1121	1550	1149	1610	1178	1670	1206	1731	1235	1791	1263	1781	1301	1872	1329	1892	1358	1892	1386	2053	—	—
2800 [132.1]	969	1288	998	1348	1026	1408	1055	1469	1083	1529	1111	1589	1140	1650	1168	1710	1197	1770	1225	1831	1253	1891	1282	1951	1310	2011	1339	2072	1367	2132	1396	2192	—	—	—	—	
2900 [136.9]	988	1388	1017	1448	1045	1508	1073	1569	1102	1629	1130	1689	1159	1750	1187	1810	1216	1870	1244	1931	1272	1991	1301	2051	1329	2111	1358	2172	1386	2232	—	—	—	—	—		
3000 [141.6]	1007	1488	1036	1548	1064	1608	1092	1669	1121	1729	1149	1789	1178	1850	1206	1910	1234	1970	1263	2031	1291	2091	1320	2151	1348	2211	1377	2272	—	—	—	—	—	—	—		
3100 [146.3]	1026	1588	1054	1648	1083	1708	1111	1769	1140	1829	1168	1889	1197	1950	1225	2010	1253	2070	1282	2131	1310	2191	1339	2251	1367	2311	1395	2372	—	—	—	—	—	—	—	—	
3200 [151.0]	1045	1688	1073	1748	1102	1808	1130	1869	1159	1929	1187	1989	1215	2050	1244	2110	1272	2170	1301	2231	1329	2291	1357	2351	1386	2411	—	—	—	—	—	—	—	—	—	—	
3300 [155.7]	1064	1788	1092	1848	1121	1908	1149	1969	1177	2029	1205	2089	1234	2150	1263	2210	1291	2270	1320	2331	1348	2391	1376	2451	—	—	—	—	—	—	—	—	—	—	—	—	—
3400 [160.5]	1083	1888	1111	1948	1140	2008	1168	2069	1196	2129	1225	2189	1253	2250	1282	2310	1310	2370	1338	2431	1367	2491	1395	2551	—	—	—	—	—	—	—	—	—	—	—	—	—

NOTE: L-Drive left of bold line, M-Drive right of bold line.

Drive Package	L										M									
Motor H.P. [W]	1 1/2 [1119]										1 1/2 [1119]									
Blower Sheave	AK66										AK69									
Motor Sheave	IVP-50										IVP-50									
Turns Open	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9
RPM	1250	1222	1174	1165	1080	1033	966	1397	1341	1286	1228	1176	1121	1067	—	—	—	—	—	—

NOTE: Factory sheave settings are shown in bold print.

COMPONENT AIR RESISTANCE

Component	Standard Indoor Airflow—CFM [L/s]					
	2200 [94.4]	2400 [113.3]	2600 [122.7]	2800 [132.1]	3200 [151.0]	3400 [160.5]
Resistance—Inches Water [kPa]						
Wet Coil	.079	.090	.102	.118	.128	.135
Downflow	.061	.079	.089	.100	.108	.112
Economizer R.A. Damper	.09	.10	.11	.12	.13	.15

NOTES:

- Performance shown with dry coil & standard 2" [50.8 mm] filters.
- Standard CFM @ .075 lbs./cu. ft.
- Motor efficiency = 80% on 208/230, 460, 575 V, 3-Phase
Motor efficiency = 50% on 208/230 V, 1-Phase
4. BHP = Watts x Motor Eff.
- Add component resistance to duct static to determine total E.S.P.

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[] Designates Metric Conversions

ELECTRICAL DATA—RKKA- SERIES



Model No. RKKA-	Unit Information				Evaporator Fan					
	Unit Operating Voltage Range	Minimum Circuit Ampacity	Minimum Overcurrent Protection Device Size	Maximum Overcurrent Protection Device Size	No.	Volts	Phase	HP	Amps (FLA)	Amps (LRA)
A036CK08E	187-253	21/21	25/25	30/30	1	208/230	3	1/2	3	6.5
A036CK12E	187-253	21/21	25/25	30/30	1	208/230	3	1/2	3	6.5
A036CL08E	187-253	21/21	25/25	30/30	1	208/230	3	1/2	2.8	11
A036CL12E	187-253	21/21	25/25	30/30	1	208/230	3	1/2	2.8	11
A036CM08E	187-253	21/21	25/25	30/30	1	208/230	3	1/2	2.8	11
A036CM12E	187-253	21/21	25/25	30/30	1	208/230	3	1/2	2.8	11
A036DK08E	414-506	11	15	15	1	460	3	1/2	2	3.6
A036DK12E	414-506	11	15	15	1	460	3	1/2	2	3.6
A036DL08E	414-506	11	15	15	1	460	3	1/2	1.4	5.5
A036DL12E	414-506	11	15	15	1	460	3	1/2	1.4	5.5
A036DM08E	414-506	11	15	15	1	460	3	1/2	1.4	5.5
A036DM12E	414-506	11	15	15	1	460	3	1/2	1.4	5.5
A036JK08E	187-253	28/28	35/35	40/40	1	208/230	1	1/2	3	6.7
A036JK08X	187-253	28/28	35/35	40/40	1	208/230	1	1/2	3	6.7
A036JK12E	187-253	28/28	35/35	40/40	1	208/230	1	1/2	3	6.7
A036JK12X	187-253	28/28	35/35	40/40	1	208/230	1	1/2	3	6.7
A036YL08E	518-633	8	15	15	1	575	3	1/2	1.3	6
A036YL12E	518-633	8	15	15	1	575	3	1/2	1.3	6
A036YM08E	518-633	8	15	15	1	575	3	1/2	1.3	6
A036YM12E	518-633	8	15	15	1	575	3	1/2	1.3	6
A042CK08E	187-253	22/22	30/30	35/35	1	208/230	3	1/2	3	6.5
A042CK12E	187-253	22/22	30/30	35/35	1	208/230	3	1/2	3	6.5
A042CL08E	187-253	22/22	30/30	35/35	1	208/230	3	1/2	2.8	11
A042CL12E	187-253	22/22	30/30	35/35	1	208/230	3	1/2	2.8	11
A042CM08E	187-253	22/22	30/30	35/35	1	208/230	3	1/2	2.8	11
A042CM12E	187-253	22/22	30/30	35/35	1	208/230	3	1/2	2.8	11
A042DK08E	414-506	13	15	15	1	460	3	1/2	2	3.6
A042DK12E	414-506	13	15	15	1	460	3	1/2	2	3.6
A042DL08E	414-506	12	15	15	1	460	3	1/2	1.4	5.5
A042DL12E	414-506	12	15	15	1	460	3	1/2	1.4	5.5
A042DM08E	414-506	12	15	15	1	460	3	1/2	1.4	5.5
A042DM12E	414-506	12	15	15	1	460	3	1/2	1.4	5.5
A042JK08E	187-253	35/35	45/45	50/50	1	208/230	1	1/2	3	6.7
A042JK08X	187-253	35/35	45/45	50/50	1	208/230	1	1/2	3	6.7
A042JK12E	187-253	35/35	45/45	50/50	1	208/230	1	1/2	3	6.7
A042JK12X	187-253	35/35	45/45	50/50	1	208/230	1	1/2	3	6.7
A042YL08E	518-633	10	15	15	1	575	3	1/2	1.3	6
A042YL12E	518-633	10	15	15	1	575	3	1/2	1.3	6
A042YM08E	518-633	10	15	15	1	575	3	1/2	1.3	6
A042YM12E	518-633	10	15	15	1	575	3	1/2	1.3	6

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ELECTRICAL DATA—RKKA- SERIES

Model No. RKKA-	Unit Information				Evaporator Fan					
	Unit Operating Voltage Range	Minimum Circuit Ampacity	Minimum Overcurrent Protection Device Size	Maximum Overcurrent Protection Device Size	No.	Volts	Phase	HP	Amps (FLA)	Amps (LRA)
A048CK08E	187-253	22/22	30/30	35/35	1	208/230	3	1/2	3	6.5
A048CK10E	187-253	22/22	30/30	35/35	1	208/230	3	1/2	3	6.5
A048CK13E	187-253	22/22	30/30	35/35	1	208/230	3	1/2	3	6.5
A048CL08E	187-253	22/22	30/30	35/35	1	208/230	3	1/2	2.8	11
A048CL10E	187-253	22/22	30/30	35/35	1	208/230	3	1/2	2.8	11
A048CL13E	187-253	22/22	30/30	35/35	1	208/230	3	1/2	2.8	11
A048CM08E	187-253	23/23	30/30	35/35	1	208/230	3	3/4	2.6	16.8
A048CM10E	187-253	23/23	30/30	35/35	1	208/230	3	3/4	2.6	16.8
A048CM13E	187-253	23/23	30/30	35/35	1	208/230	3	3/4	2.6	16.8
A048DK08E	414-506	12	15	15	1	460	3	1/2	2	3.6
A048DK10E	414-506	12	15	15	1	460	3	1/2	2	3.6
A048DK13E	414-506	12	15	15	1	460	3	1/2	2	3.6
A048DL08E	414-506	12	15	15	1	460	3	1/2	1.4	5.5
A048DL10E	414-506	12	15	15	1	460	3	1/2	1.4	5.5
A048DL13E	414-506	12	15	15	1	460	3	1/2	1.4	5.5
A048DM08E	414-506	12	15	15	1	460	3	3/4	1.3	8.4
A048DM10E	414-506	12	15	15	1	460	3	3/4	1.3	8.4
A048DM13E	414-506	12	15	15	1	460	3	3/4	1.3	8.4
A048JK08E	187-253	35/35	45/45	50/50	1	208/230	1	1/2	3	6.7
A048JK08X	187-253	35/35	45/45	50/50	1	208/230	1	1/2	3	6.7
A048JK10E	187-253	35/35	45/45	50/50	1	208/230	1	1/2	3	6.7
A048JK10X	187-253	35/35	45/45	50/50	1	208/230	1	1/2	3	6.7
A048JK13E	187-253	35/35	45/45	50/50	1	208/230	1	1/2	3	6.7
A048JK13X	187-253	35/35	45/45	50/50	1	208/230	1	1/2	3	6.7
A048YL08E	518-633	10	15	15	1	575	3	1/2	1.3	6
A048YL10E	518-633	10	15	15	1	575	3	1/2	1.3	6
A048YL13E	518-633	10	15	15	1	575	3	1/2	1.3	6
A048YM08E	518-633	10	15	15	1	575	3	1/2	1.3	6
A048YM10E	518-633	10	15	15	1	575	3	1/2	1.3	6
A048YM13E	518-633	10	15	15	1	575	3	1/2	1.3	6

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ELECTRICAL DATA—RKKA- SERIES



Model No. RKKA-	Unit Information				Evaporator Fan					
	Unit Operating Voltage Range	Minimum Circuit Ampacity	Minimum Overcurrent Protection Device Size	Maximum Overcurrent Protection Device Size	No.	Volts	Phase	HP	Amps (FLA)	Amps (LRA)
A060CK10E	187-253	30/30	35/35	40/40	1	208/230	3	3/4	5.4	12
A060CK13E	187-253	30/30	35/35	40/40	1	208/230	3	3/4	5.4	12
A060CL10E	187-253	28/28	35/35	40/40	1	208/230	3	3/4	2.6	16.8
A060CL13E	187-253	28/28	35/35	40/40	1	208/230	3	3/4	2.6	16.8
A060CM10E	187-253	28/28	35/35	40/40	1	208/230	3	1	3.2	24
A060CM13E	187-253	28/28	35/35	40/40	1	208/230	3	1	3.2	24
A060DK10E	414-506	15	20	20	1	460	3	3/4	2.7	12
A060DK13E	414-506	15	20	20	1	460	3	3/4	2.7	12
A060DL10E	414-506	14	20	20	1	460	3	3/4	1.3	8.4
A060DL13E	414-506	14	20	20	1	460	3	3/4	1.3	8.4
A060DM10E	414-506	15	20	20	1	460	3	1	1.6	12
A060DM13E	414-506	15	20	20	1	460	3	1	1.6	12
A060JK10E	187-253	44/44	60/60	70/70	1	208/230	1	3/4	5.4	12
A060JK10X	187-253	44/44	60/60	70/70	1	208/230	1	3/4	5.4	12
A060JK13E	187-253	44/44	60/60	70/70	1	208/230	1	3/4	5.4	12
A060JK13X	187-253	44/44	60/60	70/70	1	208/230	1	3/4	5.4	12
A060YL10E	518-633	11	15	15	1	575	3	3/4	1.3	6
A060YL13E	518-633	11	15	15	1	575	3	3/4	1.3	6
A060YM10E	518-633	11	15	15	1	575	3	1	1.4	7.2
A060YM13E	518-633	11	15	15	1	575	3	1	1.4	7.2
A073CL10E	187-253	37/37	40/40	50/50	1	208/230	3	1 1/2	5.8	28.8
A073CL13E	187-253	37/37	40/40	50/50	1	208/230	3	1 1/2	5.8	28.8
A073CM10E	187-253	37/37	40/40	50/50	1	208/230	3	1 1/2	5.8	28.8
A073CM13E	187-253	37/37	40/40	50/50	1	208/230	3	1 1/2	5.8	28.8
A073DL10E	414-506	19	20	25	1	460	3	1 1/2	2.8	14.4
A073DL13E	414-506	19	20	25	1	460	3	1 1/2	2.8	14.4
A073DM10E	414-506	19	20	25	1	460	3	1 1/2	2.8	14.4
A073DM13E	414-506	19	20	25	1	460	3	1 1/2	2.8	14.4
A073YL10E	518-633	15	15	20	1	575	3	1 1/2	2.3	13
A073YL13E	518-633	15	15	20	1	575	3	1 1/2	2.3	13
A073YM10E	518-633	15	15	20	1	575	3	1 1/2	2.3	13
A073YM13E	518-633	15	15	20	1	575	3	1 1/2	2.3	13
A085CL13E	187-253	39/39	40/40	50/50	1	208/230	3	1 1/2	5.8	28.8
A085CL13T	187-253	39/39	40/40	50/50	1	208/230	3	1 1/2	5.8	28.8
A085CM13E	187-253	39/39	40/40	50/50	1	208/230	3	1 1/2	5.8	28.8
A085CM13T	187-253	39/39	40/40	50/50	1	208/230	3	1 1/2	5.8	28.8
A085DL13E	414-506	20	20	25	1	460	3	1 1/2	2.8	14.4
A085DL13T	414-506	20	20	25	1	460	3	1 1/2	2.8	14.4
A085DM13E	414-506	20	20	25	1	460	3	1 1/2	2.8	14.4
A085DM13T	414-506	20	20	25	1	460	3	1 1/2	2.8	14.4
A085YL13E	518-633	16	15	20	1	575	3	1 1/2	2.3	13
A085YL13T	518-633	16	15	20	1	575	3	1 1/2	2.3	13
A085YM13E	518-633	16	15	20	1	575	3	1 1/2	2.3	13
A085YM13T	518-633	16	15	20	1	575	3	1 1/2	2.3	13



ELECTRICAL DATA—RKKA- SERIES

Model No. RKKA-	Compressor Motor							Condenser Motor					
	No.	Volts	Phase	HP ²	RPM	Amps ¹ (RLA)	Amps ¹ (LRA)	No.	Volts	Phase	HP ²	Amps ¹ (FLA)	Amps ¹ (LRA)
A036CK08E	1	208/230	3	3 1/3	3450	12.4/12.4	88/88	1	208/230	1	1/3	2	4.7
A036CK12E	1	208/230	3	3 1/3	3450	12.4/12.4	88/88	1	208/230	1	1/3	2	4.7
A036CL08E	1	208/230	3	3 1/3	3450	12.4/12.4	88/88	1	208/230	1	1/3	2	4.7
A036CL12E	1	208/230	3	3 1/3	3450	12.4/12.4	88/88	1	208/230	1	1/3	2	4.7
A036CM08E	1	208/230	3	3 1/3	3450	12.4/12.4	88/88	1	208/230	1	1/3	2	4.7
A036CM12E	1	208/230	3	3 1/3	3450	12.4/12.4	88/88	1	208/230	1	1/3	2	4.7
A036DK08E	1	460	3	3 1/3	3450	6.1	44	1	460	1	1/3	1	2.4
A036DK12E	1	460	3	3 1/3	3450	6.1	44	1	460	1	1/3	1	2.4
A036DL08E	1	460	3	3 1/3	3450	6.1	44	1	460	1	1/3	1	2.4
A036DL12E	1	460	3	3 1/3	3450	6.1	44	1	460	1	1/3	1	2.4
A036DM08E	1	460	3	3 1/3	3450	6.1	44	1	460	1	1/3	1	2.4
A036DM12E	1	460	3	3 1/3	3450	6.1	44	1	460	1	1/3	1	2.4
A036JK08E	1	208/230	1	3 1/3	3450	18/18	104/104	1	208/230	1	1/3	2	4.7
A036JK08X	1	208/230	1	3 1/3	3450	18/18	104/104	1	208/230	1	1/3	2	4.7
A036JK12E	1	208/230	1	3 1/3	3450	18/18	104/104	1	208/230	1	1/3	2	4.7
A036JK12X	1	208/230	1	3 1/3	3450	18/18	104/104	1	208/230	1	1/3	2	4.7
A036YL08E	1	575	3	3 1/3	3450	4.8	35	1	575	1	1/3	0.7	1.5
A036YL12E	1	575	3	3 1/3	3450	4.8	35	1	575	1	1/3	0.7	1.5
A036YM08E	1	575	3	3 1/3	3450	4.8	35	1	575	1	1/3	0.7	1.5
A036YM12E	1	575	3	3 1/3	3450	4.8	35	1	575	1	1/3	0.7	1.5
A042CK08E	1	208/230	3	3 1/2	3450	14/14	88/88	1	208/230	1	1/3	2	4.7
A042CK12E	1	208/230	3	3 1/2	3450	14/14	88/88	1	208/230	1	1/3	2	4.7
A042CL08E	1	208/230	3	3 1/2	3450	14/14	88/88	1	208/230	1	1/3	2	4.7
A042CL12E	1	208/230	3	3 1/2	3450	14/14	88/88	1	208/230	1	1/3	2	4.7
A042CM08E	1	208/230	3	3 1/2	3450	14/14	88/88	1	208/230	1	1/3	2	4.7
A042CM12E	1	208/230	3	3 1/2	3450	14/14	88/88	1	208/230	1	1/3	2	4.7
A042DK08E	1	460	3	3 1/2	3450	7.2	44	1	460	1	1/3	1	2.4
A042DK12E	1	460	3	3 1/2	3450	7.2	44	1	460	1	1/3	1	2.4
A042DL08E	1	460	3	3 1/2	3450	7.2	44	1	460	1	1/3	1	2.4
A042DL12E	1	460	3	3 1/2	3450	7.2	44	1	460	1	1/3	1	2.4
A042DM08E	1	460	3	3 1/2	3450	7.2	44	1	460	1	1/3	1	2.4
A042DM12E	1	460	3	3 1/2	3450	7.2	44	1	460	1	1/3	1	2.4
A042JK08E	1	208/230	1	3 1/2	3450	23.7/23.7	129/129	1	208/230	1	1/3	2	4.7
A042JK08X	1	208/230	1	3 1/2	3450	23.7/23.7	129/129	1	208/230	1	1/3	2	4.7
A042JK12E	1	208/230	1	3 1/2	3450	23.7/23.7	129/129	1	208/230	1	1/3	2	4.7
A042JK12X	1	208/230	1	3 1/2	3450	23.7/23.7	129/129	1	208/230	1	1/3	2	4.7
A042YL08E	1	575	3	3 1/2	3450	5.4	34	1	575	1	1/3	0.7	1.5
A042YL12E	1	575	3	3 1/2	3450	5.4	34	1	575	1	1/3	0.7	1.5
A042YM08E	1	575	3	3 1/2	3450	5.4	34	1	575	1	1/3	0.7	1.5
A042YM12E	1	575	3	3 1/2	3450	5.4	34	1	575	1	1/3	0.7	1.5

1. Horsepower Per Compressor.

2. Amp Draw Per Motor. Multiply Value By Number of Motors to Determine Total Amps.

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ELECTRICAL DATA—RKKA- SERIES



Model No. RKKA-	Compressor Motor							Condenser Motor					
	No.	Volts	Phase	HP ²	RPM	Amps ¹ (RLA)	Amps ¹ (LRA)	No.	Volts	Phase	HP ²	Amps ¹ (FLA)	Amps ¹ (LRA)
A048CK08E	1	208/230	3	4	3450	16.4/16.4	91/91	1	208/230	1	1/3	2	4.7
A048CK10E	1	208/230	3	4	3450	16.4/16.4	91/91	1	208/230	1	1/3	2	4.7
A048CK13E	1	208/230	3	4	3450	16.4/16.4	91/91	1	208/230	1	1/3	2	4.7
A048CL08E	1	208/230	3	4	3450	16.4/16.4	91/91	1	208/230	1	1/3	2	4.7
A048CL10E	1	208/230	3	4	3450	16.4/16.4	91/91	1	208/230	1	1/3	2	4.7
A048CL13E	1	208/230	3	4	3450	16.4/16.4	91/91	1	208/230	1	1/3	2	4.7
A048CM08E	1	208/230	3	4	3450	16.4/16.4	91/91	1	208/230	1	1/3	2	4.7
A048CM10E	1	208/230	3	4	3450	16.4/16.4	91/91	1	208/230	1	1/3	2	4.7
A048CM13E	1	208/230	3	4	3450	16.4/16.4	91/91	1	208/230	1	1/3	2	4.7
A048DK08E	1	460	3	4	3450	7.4	50	1	460	1	1/3	1	2.4
A048DK10E	1	460	3	4	3450	7.4	50	1	460	1	1/3	1	2.4
A048DK13E	1	460	3	4	3450	7.4	50	1	460	1	1/3	1	2.4
A048DL08E	1	460	3	4	3450	7.4	50	1	460	1	1/3	1	2.4
A048DL10E	1	460	3	4	3450	7.4	50	1	460	1	1/3	1	2.4
A048DL13E	1	460	3	4	3450	7.4	50	1	460	1	1/3	1	2.4
A048DM08E	1	460	3	4	3450	7.4	50	1	460	1	1/3	1	2.4
A048DM10E	1	460	3	4	3450	7.4	50	1	460	1	1/3	1	2.4
A048DM13E	1	460	3	4	3450	7.4	50	1	460	1	1/3	1	2.4
A048JK08E	1	208/230	1	4	3450	23.7/23.7	129/129	1	208/230	1	1/3	2	4.7
A048JK08X	1	208/230	1	4	3450	23.7/23.7	129/129	1	208/230	1	1/3	2	4.7
A048JK10E	1	208/230	1	4	3450	23.7/23.7	129/129	1	208/230	1	1/3	2	4.7
A048JK10X	1	208/230	1	4	3450	23.7/23.7	129/129	1	208/230	1	1/3	2	4.7
A048JK13E	1	208/230	1	4	3450	23.7/23.7	129/129	1	208/230	1	1/3	2	4.7
A048JK13X	1	208/230	1	4	3450	23.7/23.7	129/129	1	208/230	1	1/3	2	4.7
A048YL08E	1	575	3	4	3450	5.8	40	1	575	1	1/3	0.7	1.5
A048YL10E	1	575	3	4	3450	5.8	40	1	575	1	1/3	0.7	1.5
A048YL13E	1	575	3	4	3450	5.8	40	1	575	1	1/3	0.7	1.5
A048YM08E	1	575	3	4	3450	5.8	40	1	575	1	1/3	0.7	1.5
A048YM10E	1	575	3	4	3450	5.8	40	1	575	1	1/3	0.7	1.5
A048YM13E	1	575	3	4	3450	5.8	40	1	575	1	1/3	0.7	1.5

1. Horsepower Per Compressor.

2. Amp Draw Per Motor. Multiply Value By Number of Motors to Determine Total Amps.

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ELECTRICAL DATA—RKKA- SERIES

Model No. RKKA-	Compressor Motor							Condenser Motor					
	No.	Volts	Phase	HP ²	RPM	Amps ¹ (RLA)	Amps ¹ (LRA)	No.	Volts	Phase	HP ²	Amps ¹ (FLA)	Amps ¹ (LRA)
A060CK10E	1	208/230	3	5	3450	17.3/17.3	137/137	1	208/230	1	1/3	2	4.7
A060CK13E	1	208/230	3	5	3450	17.3/17.3	137/137	1	208/230	1	1/3	2	4.7
A060CL10E	1	208/230	3	5	3450	17.3/17.3	137/137	1	208/230	1	1/3	2	4.7
A060CL13E	1	208/230	3	5	3450	17.3/17.3	137/137	1	208/230	1	1/3	2	4.7
A060CM10E	1	208/230	3	5	3450	17.3/17.3	137/137	1	208/230	1	1/3	2	4.7
A060CM13E	1	208/230	3	5	3450	17.3/17.3	137/137	1	208/230	1	1/3	2	4.7
A060DK10E	1	460	3	5	3450	9	62	1	460	1	1/3	1	2.4
A060DK13E	1	460	3	5	3450	9	62	1	460	1	1/3	1	2.4
A060DL10E	1	460	3	5	3450	9	62	1	460	1	1/3	1	2.4
A060DL13E	1	460	3	5	3450	9	62	1	460	1	1/3	1	2.4
A060DM10E	1	460	3	5	3450	9	62	1	460	1	1/3	1	2.4
A060DM13E	1	460	3	5	3450	9	62	1	460	1	1/3	1	2.4
A060JK10E	1	208/230	1	5	3450	29/29	169/169	1	208/230	1	1/3	2	4.7
A060JK10X	1	208/230	1	5	3450	29/29	169/169	1	208/230	1	1/3	2	4.7
A060JK13E	1	208/230	1	5	3450	29/29	169/169	1	208/230	1	1/3	2	4.7
A060JK13X	1	208/230	1	5	3450	29/29	169/169	1	208/230	1	1/3	2	4.7
A060YL10E	1	575	3	5	3450	7.1	50	1	575	1	1/3	0.7	1.5
A060YL13E	1	575	3	5	3450	7.1	50	1	575	1	1/3	0.7	1.5
A060YM10E	1	575	3	5	3450	7.1	50	1	575	1	1/3	0.7	1.5
A060YM13E	1	575	3	5	3450	7.1	50	1	575	1	1/3	0.7	1.5
A073CL10E	1	208/230	3	6	3450	21.9/21.9	156/156	1	208/230	1	1/3	2.6	4.7
A073CL13E	1	208/230	3	6	3450	21.9/21.9	156/156	1	208/230	1	1/3	2.6	4.7
A073CM10E	1	208/230	3	6	3450	21.9/21.9	156/156	1	208/230	1	1/3	2.6	4.7
A073CM13E	1	208/230	3	6	3450	21.9/21.9	156/156	1	208/230	1	1/3	2.6	4.7
A073DL10E	1	460	3	6	3450	10.9	75	1	460	1	1/3	1.2	2.4
A073DL13E	1	460	3	6	3450	10.9	75	1	460	1	1/3	1.2	2.4
A073DM10E	1	460	3	6	3450	10.9	75	1	460	1	1/3	1.2	2.4
A073DM13E	1	460	3	6	3450	10.9	75	1	460	1	1/3	1.2	2.4
A073YL10E	1	575	3	6	3450	8.9	54	1	575	1	1/3	0.9	1.5
A073YL13E	1	575	3	6	3450	8.9	54	1	575	1	1/3	0.9	1.5
A073YM10E	1	575	3	6	3450	8.9	54	1	575	1	1/3	0.9	1.5
A073YM13E	1	575	3	6	3450	8.9	54	1	575	1	1/3	0.9	1.5
A085CL13E	2	208/230	3	3 1/2	3450	14/14	88/88	1	208/230	1	1/3	2.6	4.7
A085CL13T	2	208/230	3	3 1/2	3450	14/14	88/88	1	208/230	1	1/3	2.6	4.7
A085CM13E	2	208/230	3	3 1/2	3450	14/14	88/88	1	208/230	1	1/3	2.6	4.7
A085CM13T	2	208/230	3	3 1/2	3450	14/14	88/88	1	208/230	1	1/3	2.6	4.7
A085DL13E	2	460	3	3 1/2	3450	7.2	44	1	460	1	1/3	1.2	2.4
A085DL13T	2	460	3	3 1/2	3450	7.2	44	1	460	1	1/3	1.2	2.4
A085DM13E	2	460	3	3 1/2	3450	7.2	44	1	460	1	1/3	1.2	2.4
A085DM13T	2	460	3	3 1/2	3450	7.2	44	1	460	1	1/3	1.2	2.4
A085YL13E	2	575	3	3 1/2	3450	5.4	34	1	575	1	1/3	0.9	1.5
A085YL13T	2	575	3	3 1/2	3450	5.4	34	1	575	1	1/3	0.9	1.5
A085YM13E	2	575	3	3 1/2	3450	5.4	34	1	575	1	1/3	0.9	1.5
A085YM13T	2	575	3	3 1/2	3450	5.4	34	1	575	1	1/3	0.9	1.5

1. Horsepower Per Compressor.

2. Amp Draw Per Motor. Multiply Value By Number of Motors to Determine Total Amps.

ELECTRICAL DATA—RKMA- SERIES



Model No. RKMA-	Unit Information				Evaporator Fan					
	Unit Operating Voltage Range	Minimum Circuit Ampacity	Minimum Overcurrent Protection Device Size	Maximum Overcurrent Protection Device Size	No.	Volts	Phase	HP	Amps (FLA)	Amps (LRA)
A036CK08E	187-253	18/18	25/25	25/25	1	208/230	3	1/2	3	6.5
A036CK12E	187-253	18/18	25/25	25/25	1	208/230	3	1/2	3	6.5
A036CL08E	187-253	18/18	25/25	25/25	1	208/230	3	1/2	2.8	11
A036CL12E	187-253	18/18	25/25	25/25	1	208/230	3	1/2	2.8	11
A036CM08E	187-253	18/18	25/25	25/25	1	208/230	3	1/2	2.8	11
A036CM12E	187-253	18/18	25/25	25/25	1	208/230	3	1/2	2.8	11
A036DK08E	414-506	10	15	15	1	460	3	1/2	2	3.6
A036DK12E	414-506	10	15	15	1	460	3	1/2	2	3.6
A036DL08E	414-506	9	15	15	1	460	3	1/2	1.4	5.5
A036DL12E	414-506	9	15	15	1	460	3	1/2	1.4	5.5
A036DM08E	414-506	9	15	15	1	460	3	1/2	1.4	5.5
A036DM12E	414-506	9	15	15	1	460	3	1/2	1.4	5.5
A036JK08E	187-253	26/26	30/30	40/40	1	208/230	1	1/2	3	6.7
A036JK08X	187-253	26/26	30/30	40/40	1	208/230	1	1/2	3	6.7
A036JK12E	187-253	26/26	30/30	40/40	1	208/230	1	1/2	3	6.7
A036JK12X	187-253	26/26	30/30	40/40	1	208/230	1	1/2	3	6.7
A036YL08E	518-633	8	15	15	1	575	3	1/2	1.3	6
A036YL12E	518-633	8	15	15	1	575	3	1/2	1.3	6
A036YM08E	518-633	8	15	15	1	575	3	1/2	1.3	6
A036YM12E	518-633	8	15	15	1	575	3	1/2	1.3	6
A042CK08E	187-253	21/21	25/25	30/30	1	208/230	3	1/2	3	6.5
A042CK12E	187-253	21/21	25/25	30/30	1	208/230	3	1/2	3	6.5
A042CL08E	187-253	21/21	25/25	30/30	1	208/230	3	1/2	2.8	11
A042CL12E	187-253	21/21	25/25	30/30	1	208/230	3	1/2	2.8	11
A042CM08E	187-253	21/21	25/25	30/30	1	208/230	3	1/2	2.8	11
A042CM12E	187-253	21/21	25/25	30/30	1	208/230	3	1/2	2.8	11
A042DK08E	414-506	11	15	15	1	460	3	1/2	2	3.6
A042DK12E	414-506	11	15	15	1	460	3	1/2	2	3.6
A042DL08E	414-506	11	15	15	1	460	3	1/2	1.4	5.5
A042DL12E	414-506	11	15	15	1	460	3	1/2	1.4	5.5
A042DM08E	414-506	11	15	15	1	460	3	1/2	1.4	5.5
A042DM12E	414-506	11	15	15	1	460	3	1/2	1.4	5.5
A042JK08E	187-253	35/35	45/45	50/50	1	208/230	1	1/2	3	6.7
A042JK08X	187-253	35/35	45/45	50/50	1	208/230	1	1/2	3	6.7
A042JK12E	187-253	35/35	45/45	50/50	1	208/230	1	1/2	3	6.7
A042JK12X	187-253	35/35	45/45	50/50	1	208/230	1	1/2	3	6.7
A042YL08E	518-633	8	15	15	1	575	3	1/2	1.3	6
A042YL12E	518-633	8	15	15	1	575	3	1/2	1.3	6
A042YM08E	518-633	8	15	15	1	575	3	1/2	1.3	6
A042YM12E	518-633	8	15	15	1	575	3	1/2	1.3	6

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ELECTRICAL DATA—RKMA- SERIES

Model No. RKMA-	Unit Information				Evaporator Fan					
	Unit Operating Voltage Range	Minimum Circuit Ampacity	Minimum Overcurrent Protection Device Size	Maximum Overcurrent Protection Device Size	No.	Volts	Phase	HP	Amps (FLA)	Amps (LRA)
A048CK08E	187-253	22/22	30/30	35/35	1	208/230	3	1/2	3	6.5
A048CK10E	187-253	22/22	30/30	35/35	1	208/230	3	1/2	3	6.5
A048CK13E	187-253	22/22	30/30	35/35	1	208/230	3	1/2	3	6.5
A048CL08E	187-253	22/22	30/30	35/35	1	208/230	3	1/2	2.8	11
A048CL10E	187-253	22/22	30/30	35/35	1	208/230	3	1/2	2.8	11
A048CL13E	187-253	22/22	30/30	35/35	1	208/230	3	1/2	2.8	11
A048CM08E	187-253	23/23	30/30	35/35	1	208/230	3	3/4	2.6	16.8
A048CM10E	187-253	23/23	30/30	35/35	1	208/230	3	3/4	2.6	16.8
A048CM13E	187-253	23/23	30/30	35/35	1	208/230	3	3/4	2.6	16.8
A048DK08E	414-506	12	15	15	1	460	3	1/2	2	3.6
A048DK10E	414-506	12	15	15	1	460	3	1/2	2	3.6
A048DK13E	414-506	12	15	15	1	460	3	1/2	2	3.6
A048DL08E	414-506	12	15	15	1	460	3	1/2	1.4	5.5
A048DL10E	414-506	12	15	15	1	460	3	1/2	1.4	5.5
A048DL13E	414-506	12	15	15	1	460	3	1/2	1.4	5.5
A048DM08E	414-506	12	15	15	1	460	3	3/4	1.3	8.4
A048DM10E	414-506	12	15	15	1	460	3	3/4	1.3	8.4
A048DM13E	414-506	12	15	15	1	460	3	3/4	1.3	8.4
A048JK08E	187-253	35/35	45/45	50/50	1	208/230	1	1/2	3	6.7
A048JK08X	187-253	35/35	45/45	50/50	1	208/230	1	1/2	3	6.7
A048JK10E	187-253	35/35	45/45	50/50	1	208/230	1	1/2	3	6.7
A048JK10X	187-253	35/35	45/45	50/50	1	208/230	1	1/2	3	6.7
A048JK13E	187-253	35/35	45/45	50/50	1	208/230	1	1/2	3	6.7
A048JK13X	187-253	35/35	45/45	50/50	1	208/230	1	1/2	3	6.7
A048YL08E	518-633	10	15	15	1	575	3	1/2	1.3	6
A048YL10E	518-633	10	15	15	1	575	3	1/2	1.3	6
A048YL13E	518-633	10	15	15	1	575	3	1/2	1.3	6
A048YM08E	518-633	10	15	15	1	575	3	1/2	1.3	6
A048YM10E	518-633	10	15	15	1	575	3	1/2	1.3	6
A048YM13E	518-633	10	15	15	1	575	3	1/2	1.3	6
A060CL10E	187-253	27/27	35/35	40/40	1	208/230	3	3/4	2.6	16.8
A060CL13E	187-253	27/27	35/35	40/40	1	208/230	3	3/4	2.6	16.8
A060CM10E	187-253	29/29	35/35	45/45	1	208/230	3	1	3.2	24
A060CM13E	187-253	29/29	35/35	45/45	1	208/230	3	1	3.2	24
A060DL10E	414-506	14	20	20	1	460	3	3/4	1.3	8.4
A060DL13E	414-506	14	20	20	1	460	3	3/4	1.3	8.4
A060DM10E	414-506	15	20	20	1	460	3	1	1.6	12
A060DM13E	414-506	15	20	20	1	460	3	1	1.6	12
A060JL10E	187-253	42/42	50/50	70/70	1	208/230	1	3/4	3.4	25
A060JL10X	187-253	42/42	50/50	70/70	1	208/230	1	3/4	3.4	25
A060JL13E	187-253	44/44	60/60	70/70	1	208/230	1	3/4	3.4	25
A060JL13X	187-253	44/44	60/60	70/70	1	208/230	1	3/4	3.4	25
A060YL10E	518-633	12	15	15	1	575	3	3/4	1.3	6
A060YL13E	518-633	12	15	15	1	575	3	3/4	1.3	6
A060YM10E	518-633	12	15	15	1	575	3	1	1.4	7.6
A060YM13E	518-633	12	15	15	1	575	3	1	1.4	7.6

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ELECTRICAL DATA—RKMA- SERIES



Model No. RKMA-	Unit Information				Evaporator Fan					
	Unit Operating Voltage Range	Minimum Circuit Ampacity	Minimum Overcurrent Protection Device Size	Maximum Overcurrent Protection Device Size	No.	Volts	Phase	HP	Amps (FLA)	Amps (LRA)
A072CL10E	187-253	34/34	40/40	40/40	1	208/230	3	1 1/2	5.8	28.8
A072CL13E	187-253	34/34	40/40	40/40	1	208/230	3	1 1/2	5.8	28.8
A072CM10E	187-253	34/34	40/40	40/40	1	208/230	3	1 1/2	5.8	28.8
A072CM13E	187-253	34/34	40/40	40/40	1	208/230	3	1 1/2	5.8	28.8
A072DL10E	414-506	18	20	20	1	460	3	1 1/2	2.8	14.4
A072DL13E	414-506	18	20	20	1	460	3	1 1/2	2.8	14.4
A072DM10E	414-506	18	20	20	1	460	3	1 1/2	2.8	14.4
A072DM13E	414-506	18	20	20	1	460	3	1 1/2	2.8	14.4
A072YL10E	518-633	14	15	15	1	575	3	1 1/2	2.3	13
A072YL13E	518-633	14	15	15	1	575	3	1 1/2	2.3	13
A072YM10E	518-633	14	15	15	1	575	3	1 1/2	2.3	13
A072YM13E	518-633	14	15	15	1	575	3	1 1/2	2.3	13



ELECTRICAL DATA—RKMA- SERIES

Model No. RKMA-	Compressor Motor							Condenser Motor					
	No.	Volts	Phase	HP ²	RPM	Amps ¹ (RLA)	Amps ¹ (LRA)	No.	Volts	Phase	HP ²	Amps ¹ (FLA)	Amps ¹ (LRA)
A036CK08E	1	208/230	3	3	3450	11.4/11.4	77/77	1	208/230	1	1/3	2	4.7
A036CK12E	1	208/230	3	3	3450	11.4/11.4	77/77	1	208/230	1	1/3	2	4.7
A036CL08E	1	208/230	3	3	3450	11.4/11.4	77/77	1	208/230	1	1/3	2	4.7
A036CL12E	1	208/230	3	3	3450	11.4/11.4	77/77	1	208/230	1	1/3	2	4.7
A036CM08E	1	208/230	3	3	3450	11.4/11.4	77/77	1	208/230	1	1/3	2	4.7
A036CM12E	1	208/230	3	3	3450	11.4/11.4	77/77	1	208/230	1	1/3	2	4.7
A036DK08E	1	460	3	3	3450	5.1	39	1	460	1	1/3	1	2.4
A036DK12E	1	460	3	3	3450	5.1	39	1	460	1	1/3	1	2.4
A036DL08E	1	460	3	3	3450	5.1	39	1	460	1	1/3	1	2.4
A036DL12E	1	460	3	3	3450	5.1	39	1	460	1	1/3	1	2.4
A036DM08E	1	460	3	3	3450	5.1	39	1	460	1	1/3	1	2.4
A036DM12E	1	460	3	3	3450	5.1	39	1	460	1	1/3	1	2.4
A036JK08E	1	208/230	1	3	3450	16.5/16.5	95/95	1	208/230	1	1/3	2	4.7
A036JK08X	1	208/230	1	3	3450	16.5/16.5	95/95	1	208/230	1	1/3	2	4.7
A036JK12E	1	208/230	1	3	3450	16.5/16.5	95/95	1	208/230	1	1/3	2	4.7
A036JK12X	1	208/230	1	3	3450	16.5/16.5	95/95	1	208/230	1	1/3	2	4.7
A036YL08E	1	575	3	3	3450	4.2	36	1	575	1	1/3	0.7	1.5
A036YL12E	1	575	3	3	3450	4.2	36	1	575	1	1/3	0.7	1.5
A036YM08E	1	575	3	3	3450	4.2	36	1	575	1	1/3	0.7	1.5
A036YM12E	1	575	3	3	3450	4.2	36	1	575	1	1/3	0.7	1.5
A042CK08E	1	208/230	3	3 1/2	3450	13.9/13.9	88/88	1	208/230	1	1/3	2	4.7
A042CK12E	1	208/230	3	3 1/2	3450	13.9/13.9	88/88	1	208/230	1	1/3	2	4.7
A042CL08E	1	208/230	3	3 1/2	3450	13.9/13.9	88/88	1	208/230	1	1/3	2	4.7
A042CL12E	1	208/230	3	3 1/2	3450	13.9/13.9	88/88	1	208/230	1	1/3	2	4.7
A042CM08E	1	208/230	3	3 1/2	3450	13.9/13.9	88/88	1	208/230	1	1/3	2	4.7
A042CM12E	1	208/230	3	3 1/2	3450	13.9/13.9	88/88	1	208/230	1	1/3	2	4.7
A042DK08E	1	460	3	3 1/2	3450	6.1	44	1	460	1	1/3	1	2.4
A042DK12E	1	460	3	3 1/2	3450	6.1	44	1	460	1	1/3	1	2.4
A042DL08E	1	460	3	3 1/2	3450	6.1	44	1	460	1	1/3	1	2.4
A042DL12E	1	460	3	3 1/2	3450	6.1	44	1	460	1	1/3	1	2.4
A042DM08E	1	460	3	3 1/2	3450	6.1	44	1	460	1	1/3	1	2.4
A042DM12E	1	460	3	3 1/2	3450	6.1	44	1	460	1	1/3	1	2.4
A042JK08E	1	208/230	1	3 1/2	3450	18/18	104/104	1	208/230	1	1/3	2	4.7
A042JK08X	1	208/230	1	3 1/2	3450	18/18	104/104	1	208/230	1	1/3	2	4.7
A042JK12E	1	208/230	1	3 1/2	3450	18/18	104/104	1	208/230	1	1/3	2	4.7
A042JK12X	1	208/230	1	3 1/2	3450	18/18	104/104	1	208/230	1	1/3	2	4.7
A042YL08E	1	575	3	3 1/2	3450	4.8	35	1	575	1	1/3	0.7	1.5
A042YL12E	1	575	3	3 1/2	3450	4.8	35	1	575	1	1/3	0.7	1.5
A042YM08E	1	575	3	3 1/2	3450	4.8	35	1	575	1	1/3	0.7	1.5
A042YM12E	1	575	3	3 1/2	3450	4.8	35	1	575	1	1/3	0.7	1.5

1. Horsepower Per Compressor.

2. Amp Draw Per Motor. Multiply Value By Number of Motors to Determine Total Amps.

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ELECTRICAL DATA—RKMA- SERIES



Model No. RKMA-	Compressor Motor							Condenser Motor					
	No.	Volts	Phase	HP ²	RPM	Amps ¹ (RLA)	Amps ¹ (LRA)	No.	Volts	Phase	HP ²	Amps ¹ (FLA)	Amps ¹ (LRA)
A048CK08E	1	208/230	3	4	3450	16.4/16.4	91/91	1	208/230	1	1/3	2	4.7
A048CK10E	1	208/230	3	4	3450	16.4/16.4	91/91	1	208/230	1	1/3	2	4.7
A048CK13E	1	208/230	3	4	3450	16.4/16.4	91/91	1	208/230	1	1/3	2	4.7
A048CL08E	1	208/230	3	4	3450	16.4/16.4	91/91	1	208/230	1	1/3	2	4.7
A048CL10E	1	208/230	3	4	3450	16.4/16.4	91/91	1	208/230	1	1/3	2	4.7
A048CL13E	1	208/230	3	4	3450	16.4/16.4	91/91	1	208/230	1	1/3	2	4.7
A048CM08E	1	208/230	3	4	3450	16.4/16.4	91/91	1	208/230	1	1/3	2	4.7
A048CM10E	1	208/230	3	4	3450	16.4/16.4	91/91	1	208/230	1	1/3	2	4.7
A048CM13E	1	208/230	3	4	3450	16.4/16.4	91/91	1	208/230	1	1/3	2	4.7
A048DK08E	1	460	3	4	3450	7.4	50	1	460	1	1/3	1	2.4
A048DK10E	1	460	3	4	3450	7.4	50	1	460	1	1/3	1	2.4
A048DK13E	1	460	3	4	3450	7.4	50	1	460	1	1/3	1	2.4
A048DL08E	1	460	3	4	3450	7.4	50	1	460	1	1/3	1	2.4
A048DL10E	1	460	3	4	3450	7.4	50	1	460	1	1/3	1	2.4
A048DL13E	1	460	3	4	3450	7.4	50	1	460	1	1/3	1	2.4
A048DM08E	1	460	3	4	3450	7.4	50	1	460	1	1/3	1	2.4
A048DM10E	1	460	3	4	3450	7.4	50	1	460	1	1/3	1	2.4
A048DM13E	1	460	3	4	3450	7.4	50	1	460	1	1/3	1	2.4
A048JK08E	1	208/230	1	4	3450	21.4/21.4	137/137	1	208/230	1	1/3	2	4.7
A048JK08X	1	208/230	1	4	3450	21.4/21.4	137/137	1	208/230	1	1/3	2	4.7
A048JK10E	1	208/230	1	4	3450	21.4/21.4	137/137	1	208/230	1	1/3	2	4.7
A048JK10X	1	208/230	1	4	3450	21.4/21.4	137/137	1	208/230	1	1/3	2	4.7
A048JK13E	1	208/230	1	4	3450	21.4/21.4	137/137	1	208/230	1	1/3	2	4.7
A048JK13X	1	208/230	1	4	3450	21.4/21.4	137/137	1	208/230	1	1/3	2	4.7
A048YL08E	1	575	3	4	3450	5.8	40	1	575	1	1/3	0.7	1.5
A048YL10E	1	575	3	4	3450	5.8	40	1	575	1	1/3	0.7	1.5
A048YL13E	1	575	3	4	3450	5.8	40	1	575	1	1/3	0.7	1.5
A048YM08E	1	575	3	4	3450	5.8	40	1	575	1	1/3	0.7	1.5
A048YM10E	1	575	3	4	3450	5.8	40	1	575	1	1/3	0.7	1.5
A048YM13E	1	575	3	4	3450	5.8	40	1	575	1	1/3	0.7	1.5
A060CL10E	1	208/230	3	4 3/4	3450	19.3/19.3	123/123	1	208/230	1	1/3	2.6	4.7
A060CL13E	1	208/230	3	4 3/4	3450	19.3/19.3	123/123	1	208/230	1	1/3	2.6	4.7
A060CM10E	1	208/230	3	4 3/4	3450	19.3/19.3	123/123	1	208/230	1	1/3	2.6	4.7
A060CM13E	1	208/230	3	4 3/4	3450	19.3/19.3	123/123	1	208/230	1	1/3	2.6	4.7
A060DL10E	1	460	3	4 3/4	3450	9	62	1	460	1	1/3	1	1.9
A060DL13E	1	460	3	4 3/4	3450	9	62	1	460	1	1/3	1	1.9
A060DM10E	1	460	3	4 3/4	3450	9	62	1	460	1	1/3	1	1.9
A060DM13E	1	460	3	4 3/4	3450	9	62	1	460	1	1/3	1	1.9
A060JL10E	1	208/230	1	4 3/4	3450	28.8/28.8	169/169	1	208/230	1	1/3	2.6	4.7
A060JL10X	1	208/230	1	4 3/4	3450	28.8/28.8	169/169	1	208/230	1	1/3	2.6	4.7
A060JL13E	1	208/230	1	4 3/4	3450	28.8/28.8	169/169	1	208/230	1	1/3	2.6	4.7
A060JL13X	1	208/230	1	4 3/4	3450	28.8/28.8	169/169	1	208/230	1	1/3	2.6	4.7
A060YL10E	1	575	3	4 3/4	3450	7.1	50	1	575	1	1/3	0.9	1.5
A060YL13E	1	575	3	4 3/4	3450	7.1	50	1	575	1	1/3	0.9	1.5
A060YM10E	1	575	3	4 3/4	3450	7.1	50	1	575	1	1/3	0.9	1.5
A060YM13E	1	575	3	4 3/4	3450	7.1	50	1	575	1	1/3	0.9	1.5

1. Horsepower Per Compressor.

2. Amp Draw Per Motor. Multiply Value By Number of Motors to Determine Total Amps.

CONTINUED →



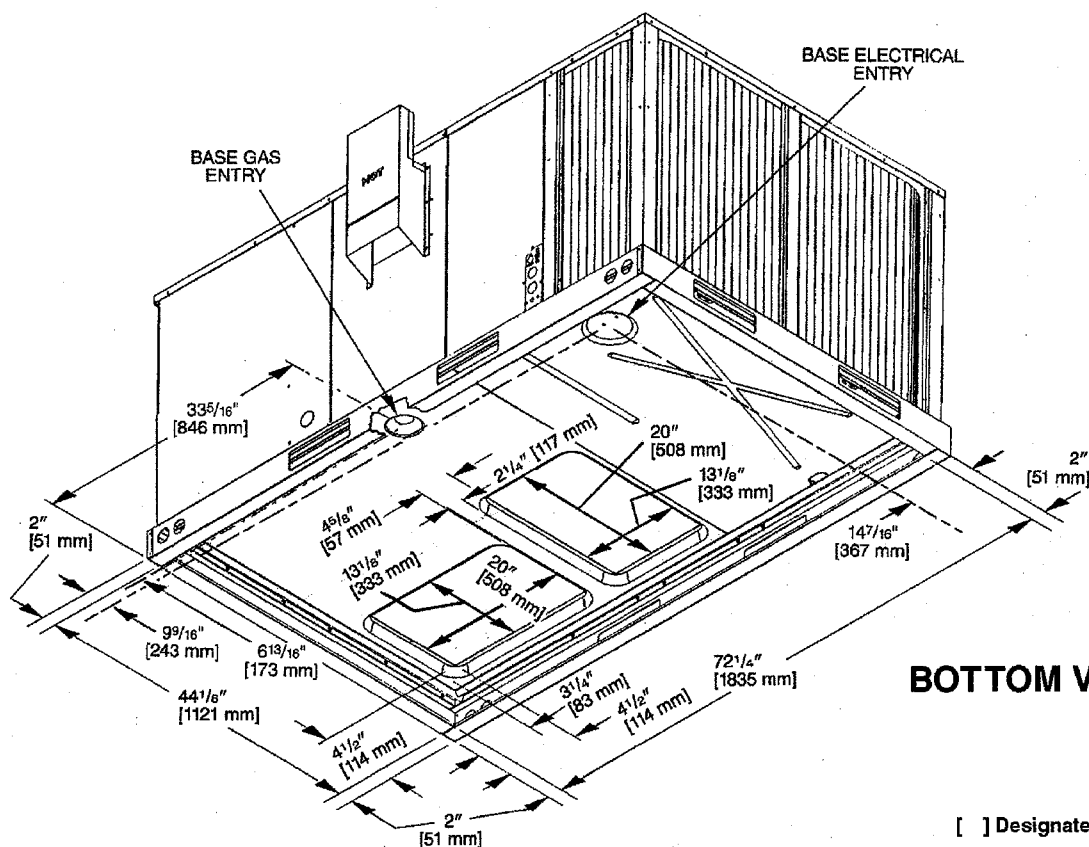
ELECTRICAL DATA—RKMA- SERIES

Model No. RKMA-	Compressor Motor							Condenser Motor					
	No.	Volts	Phase	HP ²	RPM	Amps ¹ (RLA)	Amps ¹ (LRA)	No.	Volts	Phase	HP ²	Amps ¹ (FLA)	Amps ¹ (LRA)
A072CL10E	2	208/230	3	2 5/6	3450	11.4/11.4	77/77	1	208/230	1	1/3	2.6	4.7
A072CL13E	2	208/230	3	2 5/6	3450	11.4/11.4	77/77	1	208/230	1	1/3	2.6	4.7
A072CM10E	2	208/230	3	2 5/6	3450	11.4/11.4	77/77	1	208/230	1	1/3	2.6	4.7
A072CM13E	2	208/230	3	2 5/6	3450	11.4/11.4	77/77	1	208/230	1	1/3	2.6	4.7
A072DL10E	2	460	3	2 5/6	3450	5.9	39	1	460	1	1/3	1	1.9
A072DL13E	2	460	3	2 5/6	3450	5.9	39	1	460	1	1/3	1	1.9
A072DM10E	2	460	3	2 5/6	3450	5.9	39	1	460	1	1/3	1	1.9
A072DM13E	2	460	3	2 5/6	3450	5.9	39	1	460	1	1/3	1	1.9
A072YL10E	2	575	3	2 5/6	3450	4.7	31	1	575	1	1/3	0.9	1.5
A072YL13E	2	575	3	2 5/6	3450	4.7	31	1	575	1	1/3	0.9	1.5
A072YM10E	2	575	3	2 5/6	3450	4.7	31	1	575	1	1/3	0.9	1.5
A072YM13E	2	575	3	2 5/6	3450	4.7	31	1	575	1	1/3	0.9	1.5

1. Horsepower Per Compressor.

2. Amp Draw Per Motor. Multiply Value By Number of Motors to Determine Total Amps.

RKKA 3 TO 6 TON [10.6 TO 21.1 kW] MODELS
RKMA 3 TO 5 TON [10.6 TO 17.6 kW] MODELS



BOTTOM VIEW

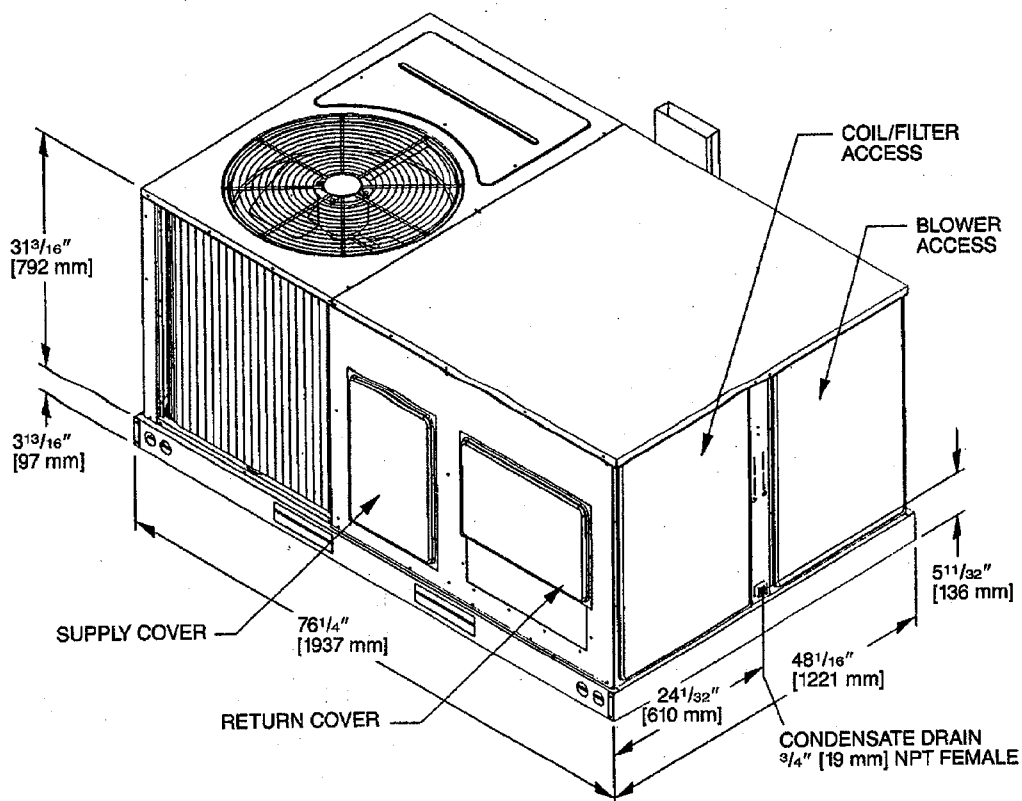
[] Designates Metric Conversions



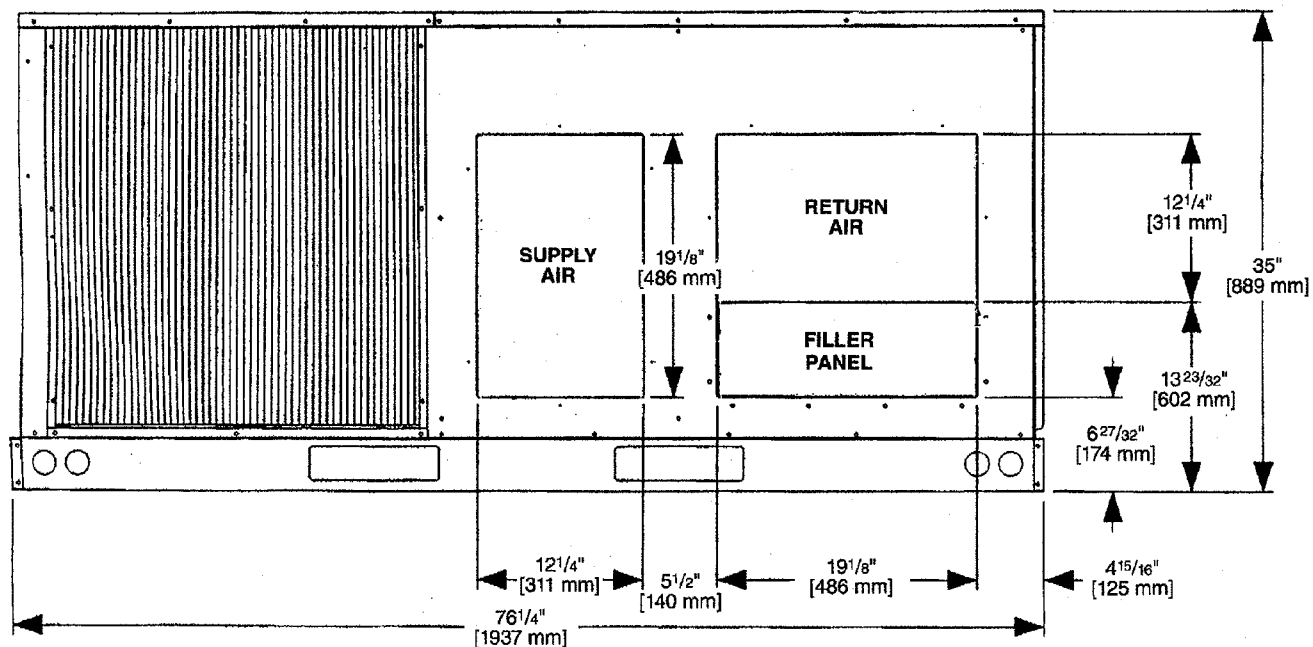
UNIT DIMENSIONS—RKKA/RKMA- SERIES

UNIT DIMENSIONS GAS HEAT / ELECTRIC COOLING PACKAGE

RKKA 3 TO 6 TON [10.6 TO 21.1 kW] MODELS
RKMA 3 TO 5 TON [10.6 TO 17.6 kW] MODELS



SUPPLY AND RETURN DIMENSIONS



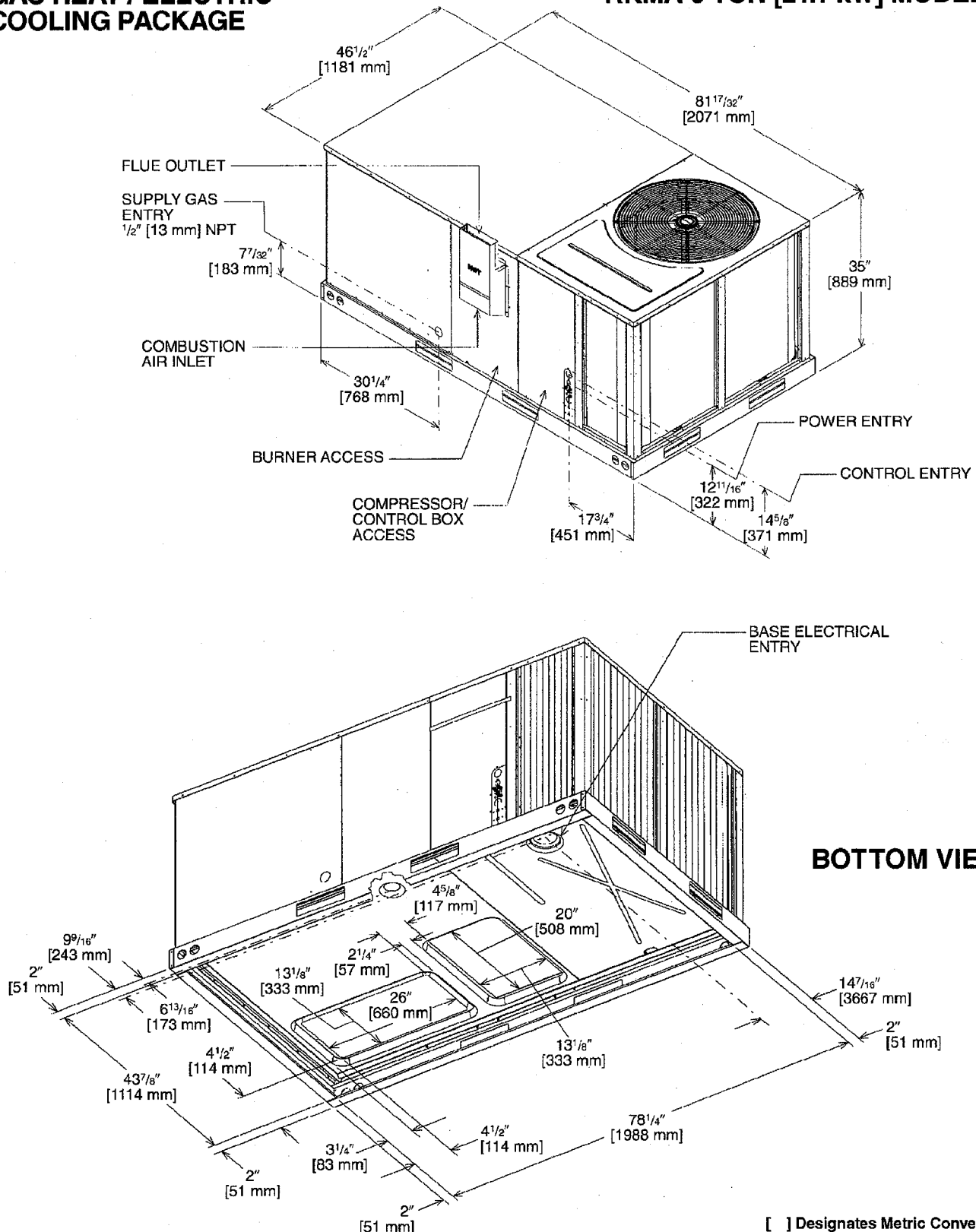
[] Designates Metric Conversions

UNIT DIMENSIONS—RKKA/RKMA- SERIES



UNIT DIMENSIONS GAS HEAT / ELECTRIC COOLING PACKAGE

RKKA 7.5 TON [26.4 kW] MODELS RKMA 6 TON [21.1 kW] MODELS



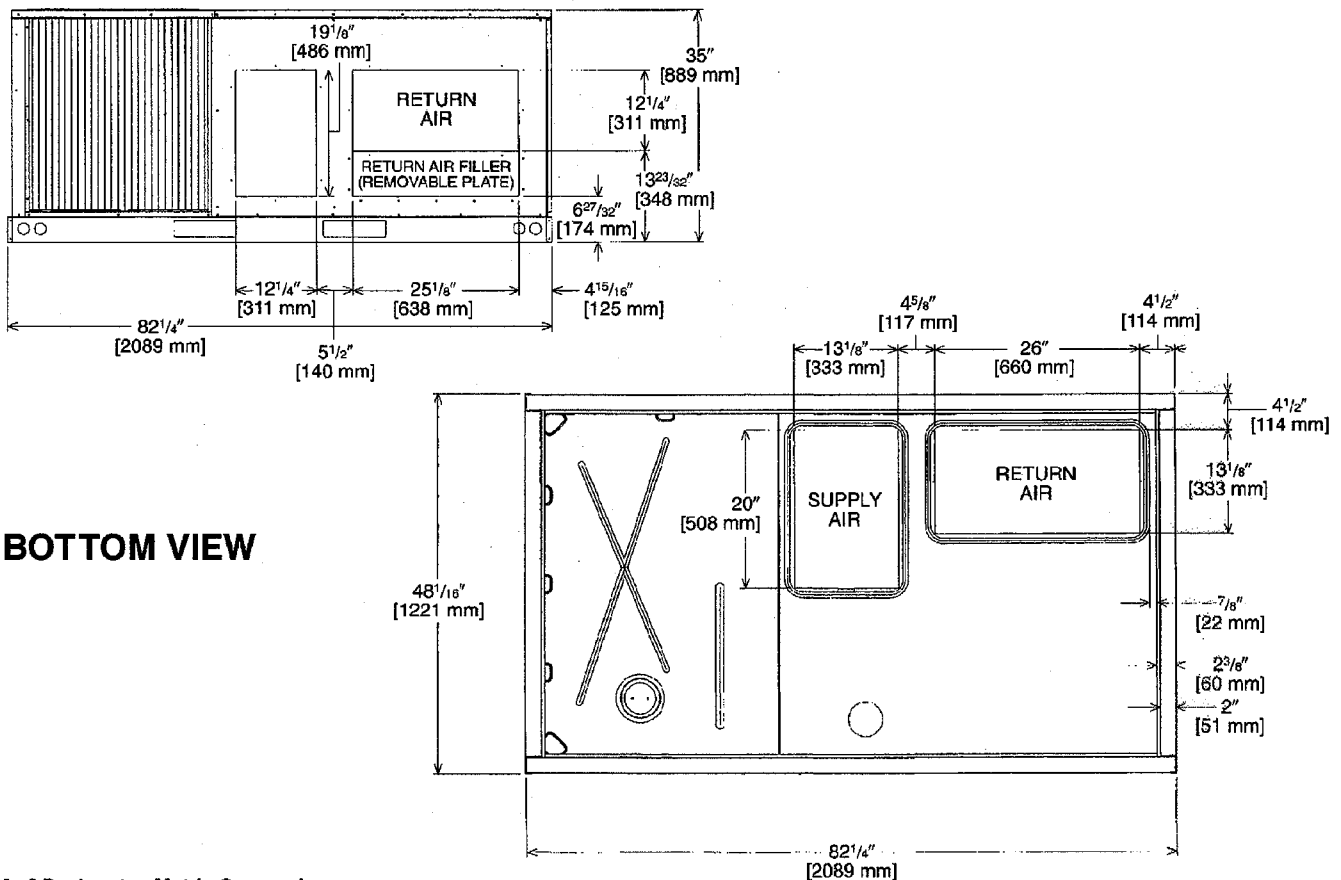
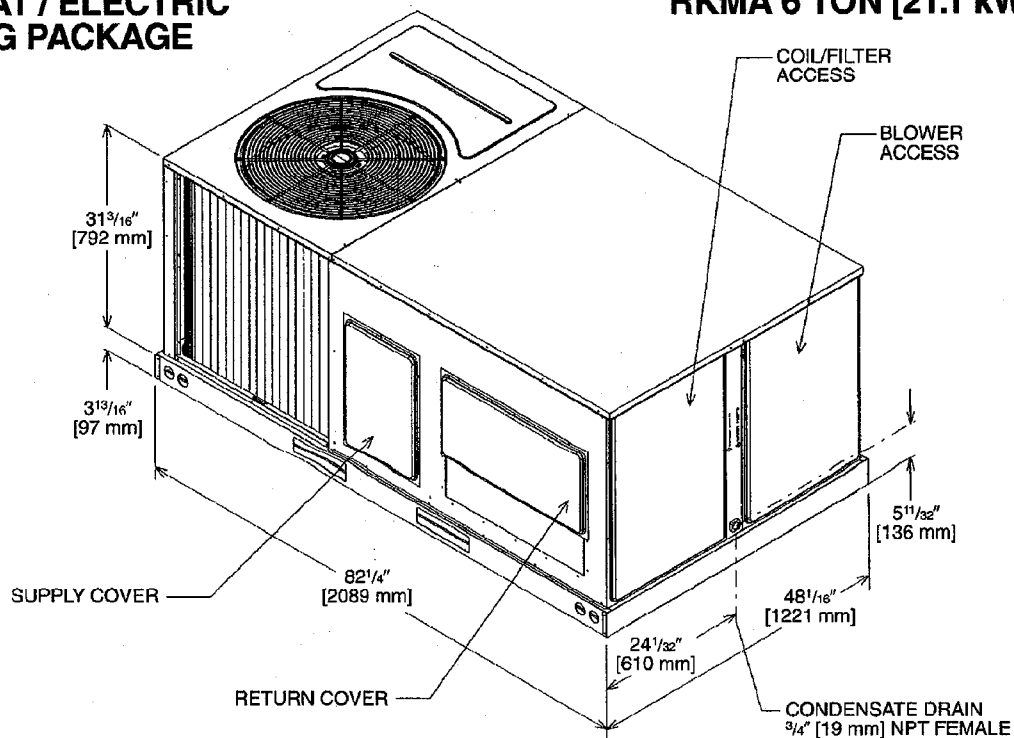
[] Designates Metric Conversions



UNIT DIMENSIONS—RKKA/RKMA- SERIES

UNIT DIMENSIONS GAS HEAT / ELECTRIC COOLING PACKAGE

RKKA 7.5 TON [26.4 kW] MODELS RKMA 6 TON [21.1 kW] MODELS



BOTTOM VIEW

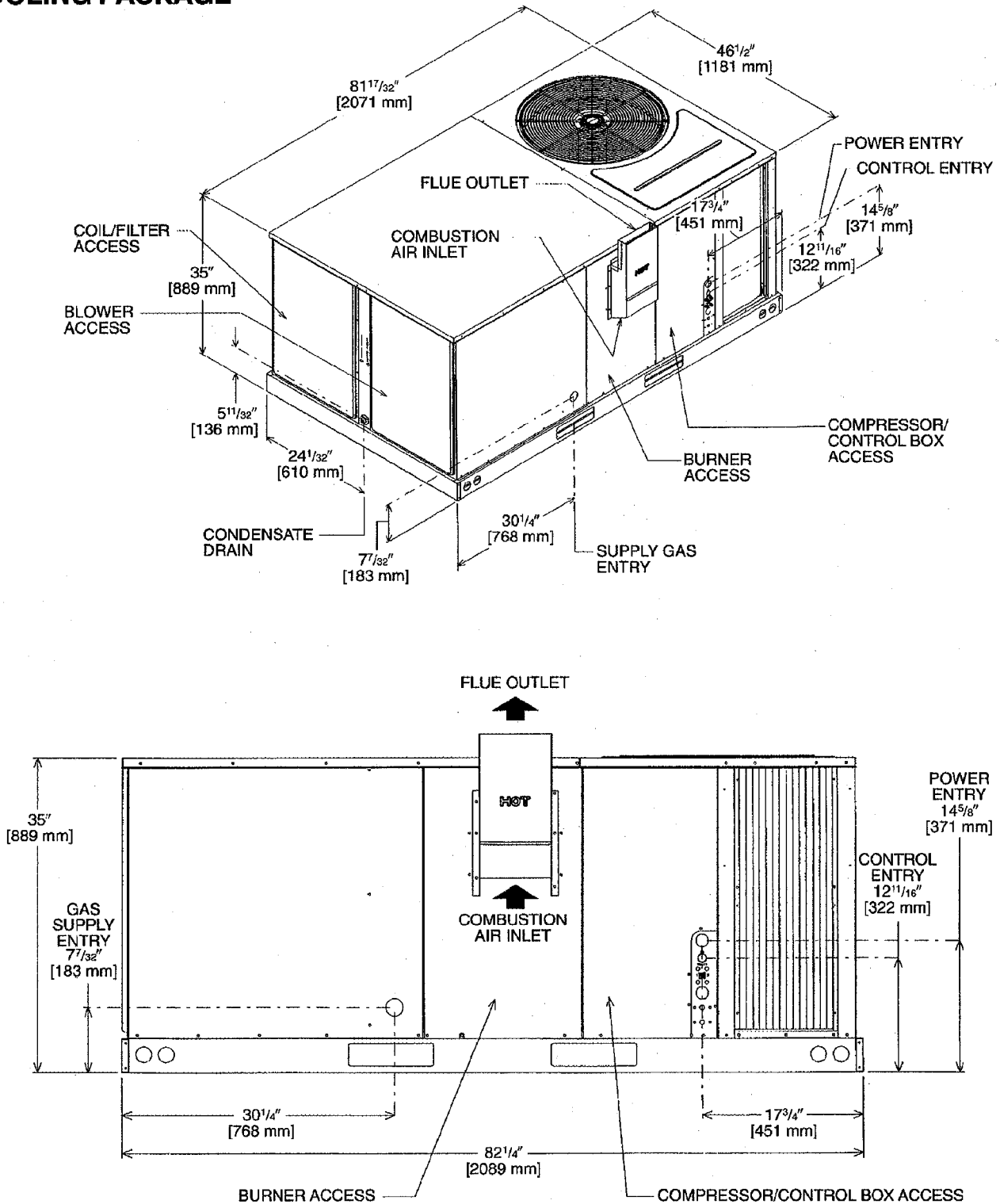
[] Designates Metric Conversions

UNIT DIMENSIONS—RKKA/RKMA- SERIES



UNIT DIMENSIONS GAS HEAT / ELECTRIC COOLING PACKAGE

RKKA 7.5 TON [26.4 kW] MODELS RKMA 6 TON [21.1 kW] MODELS



[] Designates Metric Conversions



UNIT DIMENSIONS—RKKA/RKMA- SERIES

WEIGHTS

Accessory	3-6 Ton [10.6-21.1 kW]		7.5 Ton [26.4 kW]	
	Shipping	Operating	Operating	Operating
	lbs [kg]	lbs [kg]	lbs [kg]	lbs [kg]
Economizer with Single Enthalpy	70 [32]	60 [27]	80 [36]	70 [32]
Power Exhaust	19 [9]	16 [7]	21 [10]	17 [8]
Fresh Air Damper (Manual)	11 [5]	9 [4]	14 [6]	12 [5]
Fresh Air Damper (Motorized)	13 [6]	11 [5]	16 [7]	14 [6]
Roof Curb 14"	92 [42]	88 [40]	92 [42]	88 [40]
Roof Curb 24"	108 [49]	104 [47]	108 [49]	104 [47]
Concentric Diffuser 18" Flush	37 [17]	26 [12]	37 [17]	26 [12]
Concentric Diffuser 20" Flush	54 [24]	42 [19]	54 [24]	42 [19]
Side Discharge Concentric Diffuser RXRN-FA60	35 [16]	20 [9]	—	—
Side Discharge Concentric Diffuser RXRN-FA65	55 [25]	40 [18]	55 [25]	40 [18]

CENTER OF GRAVITY (C.G.)

Capacity Tons [kW]	A in. [mm]	B in. [mm]
3-6 [10.6-21.1]	38 ¹ / ₄ [972]	25 ³ / ₄ [654]
7.5 [26.4]	39 [991]	26 ¹ / ₈ [664]

Capacity Tons [kW]	Corner Weights by Percentage			
	A	B	C	D
3-6 [10.6-21.1]	22%	27%	23%	28%
7.5 [26.4]	23%	29%	21%	27%

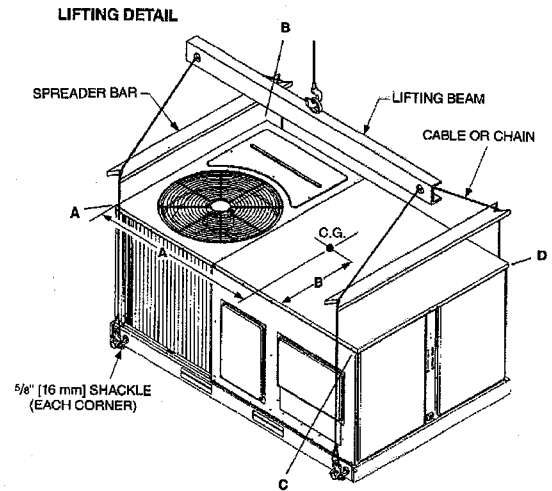
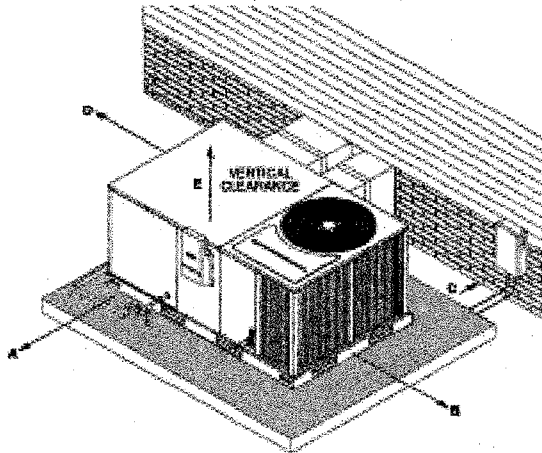
CLEARANCES

(3 to 7.5 Ton [10.6 to 26.4 kW] Models)

The following minimum clearances are recommended for proper unit performance and serviceability.

Recommended Clearance in. [mm]	Location
48 [1219]	A - Front
18 [457]	B - Condenser Coil
12 [305]	C - Duct Side
36 [914]	D - Evaporator End
60 [1524]	E - Above
*Without Economizer, 57" [1448 mm] With Economizer	

NOTE: Supply duct may be installed with "0" inch clearance to combustible materials, provided 1" [25.4 mm] minimum Fiberglass insulation is applied either inside or on the outside of the duct.



[] Designates Metric Conversions

ACCESSORY EQUIPMENT

Accessory Description	Model Application 3 to 6 Ton [10.6 to 21.1 kW]	Accessory Model No. 3 to 6 Ton [10.6 to 21.1 kW]	Factory Installed 3 to 6 Ton [10.6 to 21.1 kW]	Accessory Model No. 6 to 7.5 Ton [21.1 to 26.4 kW]	Factory Installed 6 to 7.5 Ton [21.1 to 26.4 kW]
Roofcurb 14"	RKKA-/RKMA-	RXKG-BAD14	No	RXKG-BAD14	No
Roofcurb 24"	RKKA-/RKMA-	RXKG-BAD24	No	RXKG-BAD24	No
Roofcurb Adapters	RKKA-/RKMA-	RXRX-BBCDB21 RXRX-BBCDB22 RXRX-BBCDB23	No	RXRX-CCCE50	No
Economizer with Single Enthalpy ②	RKKA-/RKMA-	RXRD-KECM3	Yes	RXRD-KCCM3	Yes
Dual Enthalpy Kit	RKKA-/RKMA-	RXRX-AV02	No	RXRX-AV02	No
CO ₂ Sensor Only	RKKA-/RKMA-	RXRX-AR01	No	RXRX-AR01	No
Power Exhaust	RKKA-/RKMA-	RXRX-BFF04C	No	RXRX-BFF03C	No
Fresh Air Damper Manual	RKKA-/RKMA-	RXRF-FBA1	No	RXRF-FCA1	No
Fresh Air Damper Motorized	RKKA-/RKMA-	RXRF-FBB1	No	RXRF-FCB1	No
Rectangular to Round 18" Duct Adapters for Concentric Diffuser	RKKA-/RKMA-	RXMC-CB03	No	N/A	No
Rectangular to Round 20" Duct Adapters for Concentric Diffuser	RKKA-/RKMA-	RXMC-CB04	No	RXMC-CC04	No
Concentric Diffuser 18" Step	RKKA-/RKMA-	RXRN-FA60	No	N/A	No
Concentric Diffuser 18" Flush	RKKA-/RKMA-	RXRN-FA70	No	N/A	No
Concentric Diffuser 20" Step	RKKA-/RKMA-	RXRN-FA65	No	RXRN-FA65	No
Concentric Diffuser 20" Flush	RKKA-/RKMA-	RXRN-FA75	No	RXRN-FA75	No
Rectangular to Round 16" Side	RKKA-/RKMA-	RXMC-BB01	No	N/A	No
Louver Kit (2 Sides)	RKKA-/RKMA-A036/A042	RXRX-AAD01A	Yes	N/A	No
Louver Kit (3 Sides)	RKKA-A048/A060/073 All RKMA- Models	RXRX-AAD01B	Yes	RXRX-AAD01B	Yes
High Pressure Control	RKKA-	RXAB-A02 ③	Yes	RXAB-A05 ③	Yes
Low Pressure Control	RKKA-	RXAC-A02 ③	Yes	RXAC-A05 ③	Yes
Time Delay	RKKA-/RKMA-	RXMD-B01	Yes	RXMD-B04	Yes
Low Ambient Control to 0°F [-18°C]	RKKA-/RKMA-	RXRZ-A18	Yes	RXRZ-A85	Yes
LP Conversion Kits for use with White Rodgers Gas Valve ①	RKKA-/RKMA-	RXGJ-EP84W	No	RXGJ-EP84W	No
LP Conversion Kits for use with Honeywell Gas Valve ①	RKKA-/RKMA-	RXGJ-EP85H	No	RXGJ-EP85H	No
LP Conversion Kits for use with Two-Stage Gas Valve ①	RKKA-A085**13T	RXGJ-EP86W	No	RXGJ-EP86W	No
Canadian High Altitude Kit (for Natural Gas Only) ①	RKKA-/RKMA-	RXRX-AH01	No	RXRX-AH01	No

*Voltage J = 208/230 VAC-1PH-60HZ D = 460 VAC-3PH-60HZ
C = 208/230 VAC-3PH-60HZ Y = 575 VAC-3PH-60HZ

NOTES: ① If a particular unit is to be converted to operate on LP (propane) for elevations above 2000 ft. in Canada, the existing Natural Gas to LP Conversion Kits for the subject models already contain the necessary orifices and instructions to de-rate the input for 2000-4500 ft. Canadian applications.

② Economizer is designed for downflow or horizontal applications.
③ Standard on RKKA-A073 and All RKMA- Models.

[] Designates Metric Conversions



Roofcurb Adapters

Old Models

MEDIUM CABINET (3 TON [11 kW])

(-)SNC, (-)SND, (-)SNE
(-)RGE, (-)RGF, (-)RGG
(-)PNC, (-)PND

LARGE CABINET

(3-3 1/2 TON [11-12 kW])

(-)RGE, (-)RGF, (-)RGG,
(-)RGH (3 TON [11 kW])

EXTRA LARGE CABINET

(3 1/2-5 TON [12-18 kW])

(-)SNC, (-)SND, (-)SNE
(-)RGE, (-)RGF,
(-)RGG (4-5 TON [14-18 kW])
(-)PNC, (-)PND, (-)RGH
(3 1/2, 4 TON [12-14 kW])

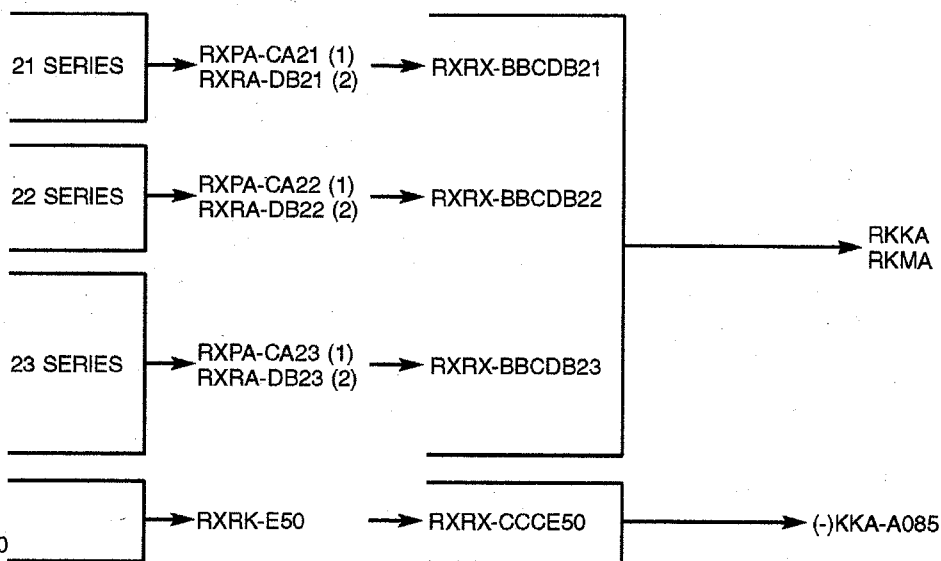
COMMERCIAL PACKAGE UNIT

(6.5 & 7.5 TON [23-26 kW])

(-)RCF, (-)REF, (-)RGF131 & 201, RGF150

OLD CURB MODEL ROOFCURB ADAPTER

NEW MODEL



(1) SLOPE TYPE (2) FULL PERIMETER TYPE

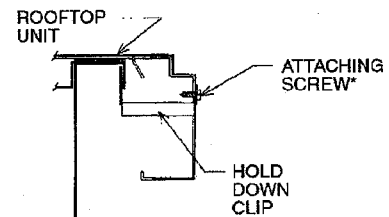
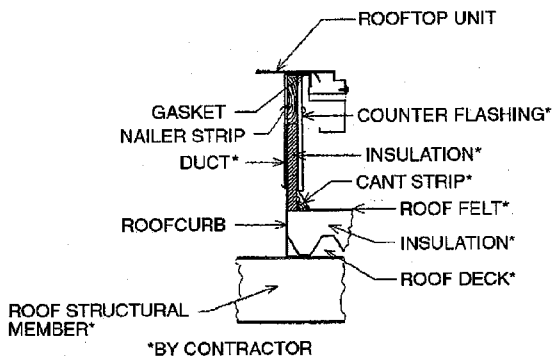
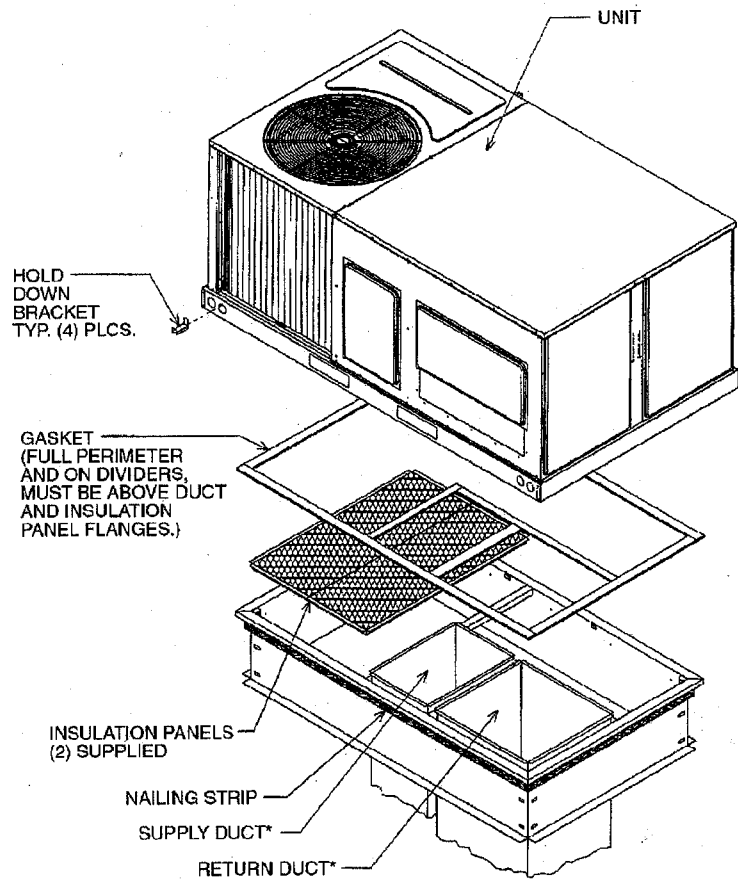
[] Designates Metric Conversions

ROOFCURBS (Full Perimeter)

- Rheem's new roofcurb design can be utilized on 3 through 7.5 ton [10.6-26.4 kW] models.
- Two available heights (14" [356 mm] and 24" [610 mm]) for ALL models.
- Quick assembly corners for simple and fast assembly.
- Opening provided in bottom pan to match the "Thru the Curb" electrical connection opening provided on the unit base pan.
- 2" [51 mm] x 4" [102 mm] Nailers provided.
- Insulating panels provided.
- Sealing gasket (28" [711 mm]) provided with Roofcurb.
- Packaged for easy field assembly.

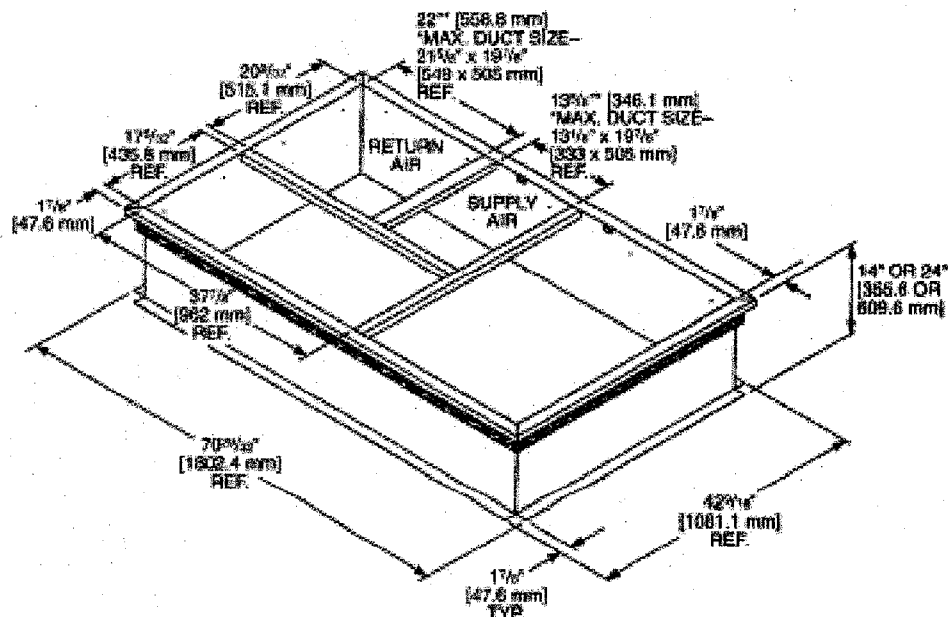
Roofcurb Model	Height of Curb
RXKG-BAD14	14" [356 mm]
RXKG-BAD24	24" [610 mm]

TYPICAL INSTALLATION



[] Designates Metric Conversions

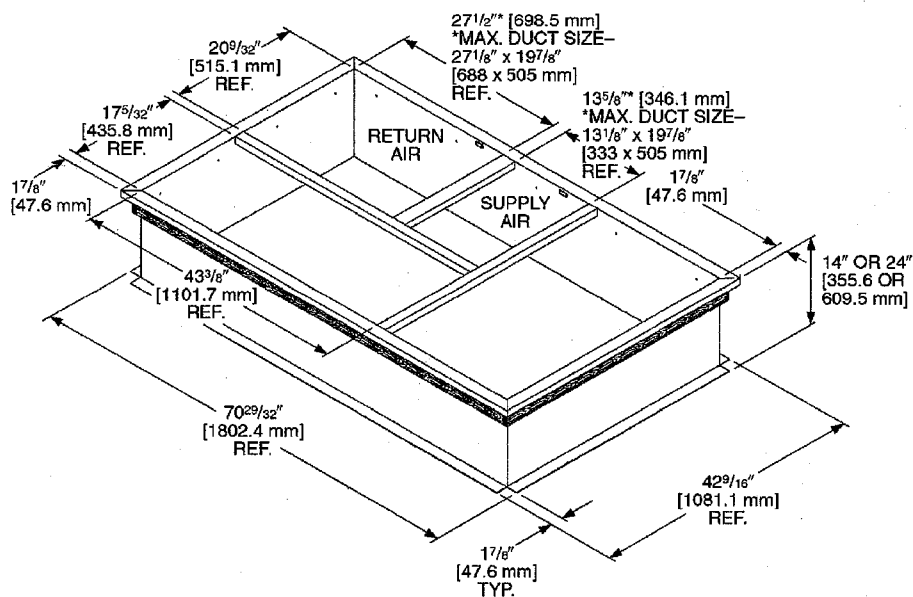
ROOFCURBS (Cont.)



ROOFCURB FOR
RKKA 3-6 TON [10.6-21.1 kW] MODELS
RKMA 3-5 TON [10.6-17.6 kW] MODELS

ROOFCURB FOR

RKMA 6 TON [21.1 kW] MODELS
RKKA 7.5 TON [26.4 kW] MODELS



[] Designates Metric Conversions

ECONOMIZERS

RXRD-KECM3—RKKA 3-6 Ton [10.6-21.1 kW] Models
RKMA 3-5 Ton [10.6-17.6 kW] Models

RXRD-KCCM3—RKMA 6 Ton [21.1 kW] Models
RKKA 7.5 Ton [26.4 kW] Models

RXRX-AV02—3-7.5 Ton [10.6-26.4 kW] Models

RXRX-AR02—3-7.5 Ton [10.6-26.4 kW] Models

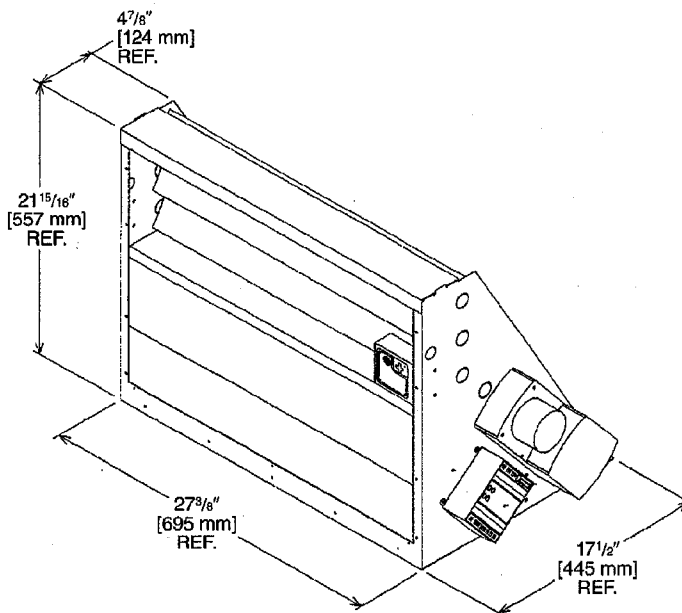
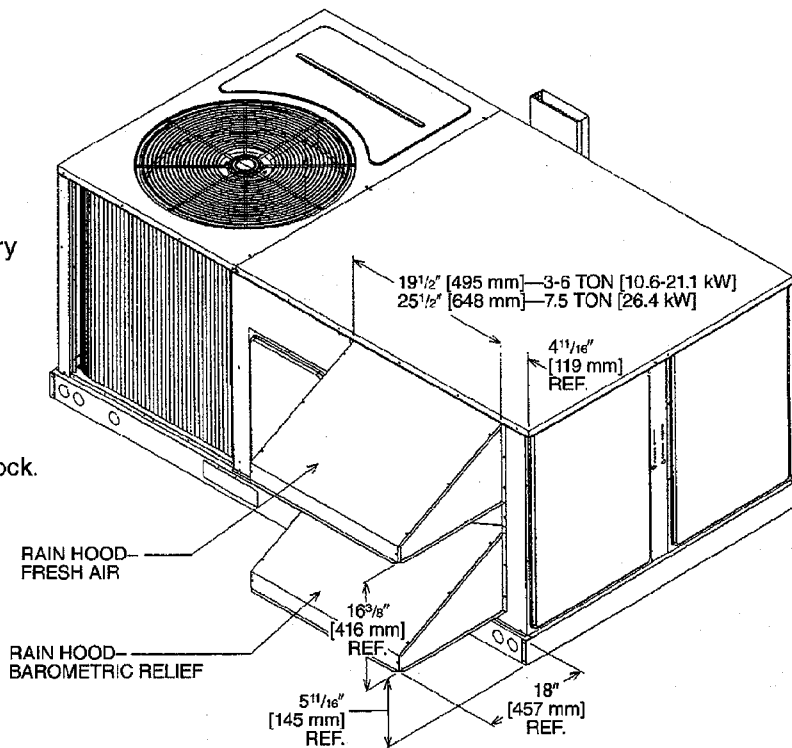
- Features **Honeywell** Analog Controls
- Available factory installed or field accessory
- Gear Driven Direct Drive Actuator
- Fully Modulating (0-100%)
- Low Leakage Dampers
- Horizontal or Downflow Applications
- Slip-In Design for Easy Installations
- Plug-In Polarized 9-pin Electrical Connections
- Pre-configuring—No Field Adjustments Necessary
- Standard Barometric Relief Damper Provided
- Single Enthalpy with Dual Enthalpy upgrade kit
- CO₂ Input Sensor Available (field installed)
- Economizer slips in complete for downflow or horizontal duct applications
- Field assembled hood ships with Economizer
- Optional Remote minimum position (Honeywell #S963B1128) is available from ProStock.
- Field installed power exhaust available.

[] Designates Metric Conversions

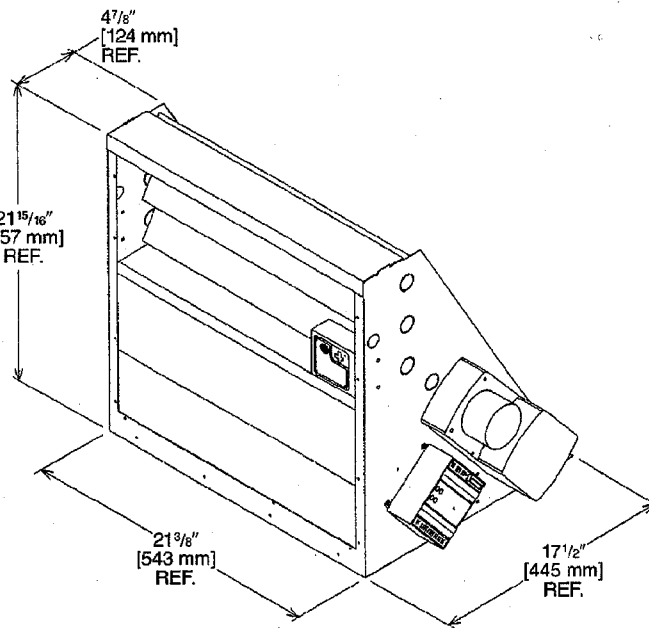
Single Enthalpy (with Barometric Relief)

Dual Enthalpy Kit

Optional CO₂ Sensor



ECONOMIZER
RKMA 6 TON [21.1 kW] Models
RKKA 7.5 TON [26.4 kW] Models



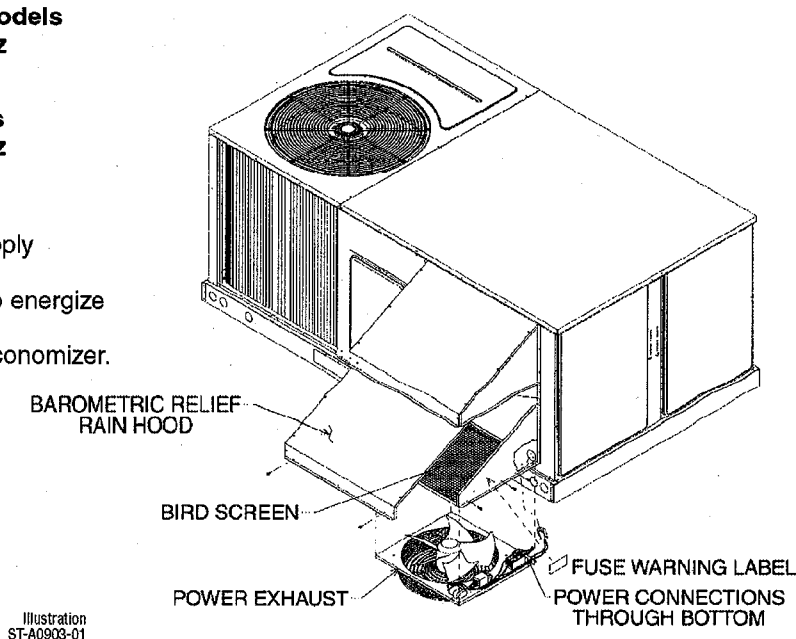
RKKA 3-6 Ton [10.6-21.1 kW] Models
RKMA 3-5 Ton [10.6-17.6 kW] Models

INTEGRAL POWER EXHAUST FOR ECONOMIZER (FIELD INSTALLED ONLY)

RXRX-BFF04C—RKKA 3-6 Ton [10.6-21.1 kW] Models
RKMA 3-5 Ton [10.6-17.6 kW] Models
208/230 V, 1 PH and 3 PH, 60 Hz

RXRX-BFF03C—RKMA 6 Ton [21.1 kW] Models
RKKA 7.5 Ton [26.4 kW] Models
208/230 V, 1 PH and 3 PH, 60 Hz

- For **Honeywell** economizer.
- Downflow or horizontal applications.
- Requires separate 208-230 volt – 1 PH power supply with disconnect.
- Adjustable switch on economizer, factory preset to energize power exhaust at 95% outside air position.
- Polarized plug connects power exhaust relay to economizer.



POWER EXHAUST KIT FOR RXRD-KCCM(-), RXRD-KECM(-) ECONOMIZERS

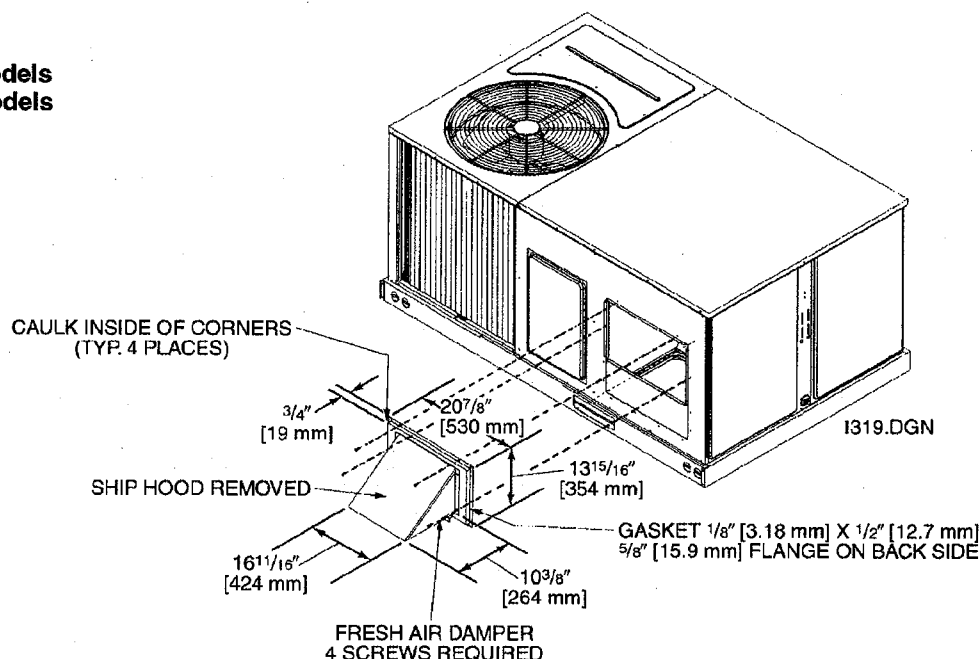
Model No.	No. of Fans	Volts	Phase	Watts (ea.)	High Speed		FLA (ea.)	LRA (ea.)
					CFM ①	RPM		
RXRX-BFF03C	1	208-230	1	240	2600	1700	1.06	1.9
RXRX-BFF04C	1	208-230	1	240	2600	1700	1.06	1.9

① CFM is at 0" W.C. external static pressure.

FRESH AIR DAMPER

RKKA 3-6 Ton [10.6-21.1 kW] Models
RKMA 3-5 Ton [10.6-17.6 kW] Models
RXRF-FBA1 (Manual)
RXRF-FBB1 (Motorized)

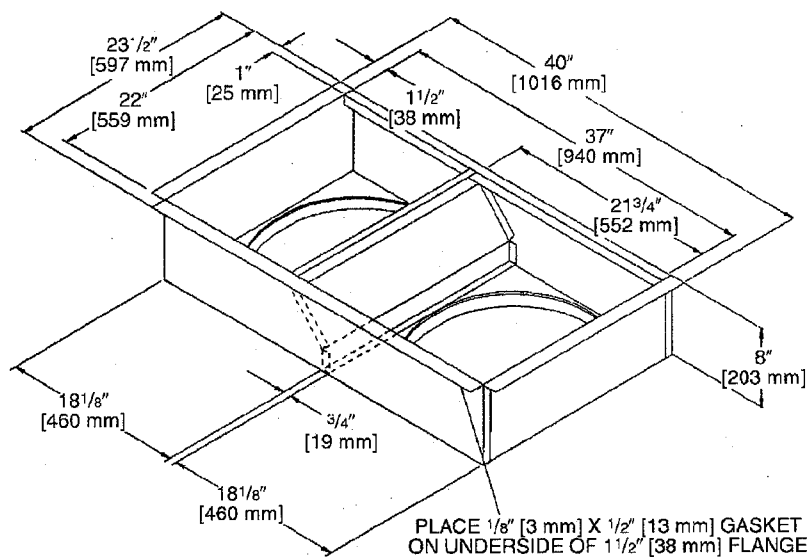
RKMA 6 Ton [21.1 kW] Models
RKKA 7.5 Ton [26.4 kW] Models
RXRF-FCA1 (Manual)
RXRF-FCB1 (Motorized)



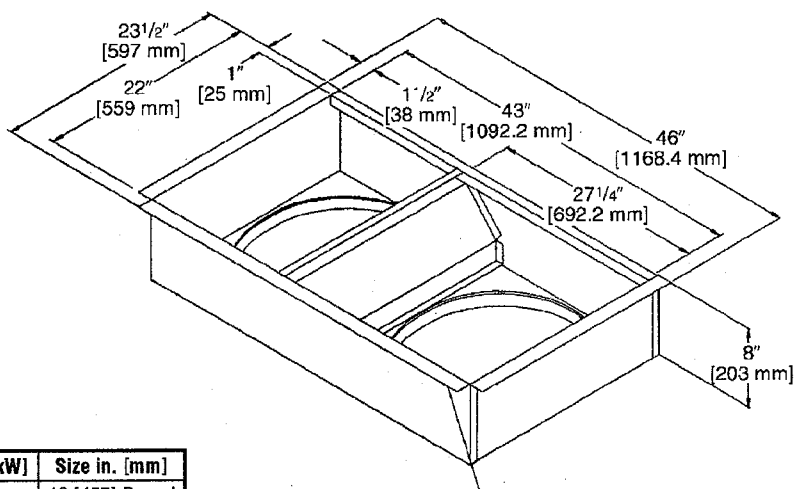
[] Designates Metric Conversions

DUCT ADAPTERS (RKKA 3-6 Ton [10.6-21.1 kW] Models) (RKMA 3-5 Ton [10.6-17.6 kW] Models) Rectangular to Round Transitions (Downflow)

Two sizes available
(18" [457 mm] and
20" [508 mm] round)
fit all units. Drops
into and secures to
RXKG- Series Roofcurbs.
**For use with
Concentric Diffusers.**



DUCT ADAPTERS (RKMA 6 Ton [21.1 kW] Models) (RKKA 7.5 Ton [26.4 kW] Models) Rectangular to Round Transitions (Downflow)



Accessory Model No.	Model Application Tons [kW]	Size in. [mm]
RXMC-CB03	3-6 [10.6-21.1]	18 [457] Round
RXMC-CB04	3-6 [10.6-21.1]	20 [508] Round
RXMC-CC04	7.5 [26.4]	20 [508] Round

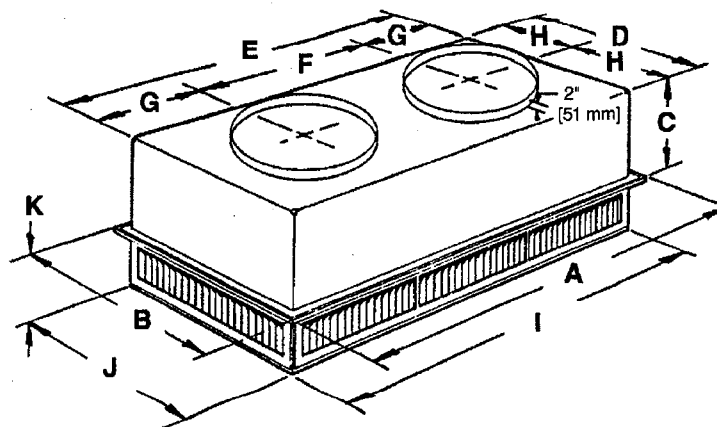
[] Designates Metric Conversions



SIDE DISCHARGE CONCENTRIC DIFFUSER

RXRN-FA60 (3 to 6 Ton [10.6 to 21.1 kW] Models)
RXRN-FA65 (3 to 7.5 Ton [10.6 to 26.4 kW] Models)

For Use With Duct Adapter (RXMC)



DIMENSIONAL DATA

Model No.	A	B	C	D	E	F	G	H	I	J	K	Duct Size
RXRN-FA60	47 ⁵ / ₈ " [1210 mm]	23 ⁵ / ₈ " [600 mm]	11 ³ / ₈ " [289 mm]	21 ¹ / ₂ " [546 mm]	45 ¹ / ₂ " [1156 mm]	22 ¹ / ₂ " [572 mm]	11 ¹ / ₂ " [292 mm]	10 ³ / ₄ " [273 mm]	45 ¹ / ₂ " [1156 mm]	21 ¹ / ₂ " [546 mm]	7 ¹ / ₈ " [181 mm]	18RD
RXRN-FA65	47 ⁵ / ₈ " [1210 mm]	29 ⁵ / ₈ " [752 mm]	14 ³ / ₈ " [365 mm]	27 ¹ / ₂ " [699 mm]	45 ¹ / ₂ " [1156 mm]	22 ¹ / ₂ " [572 mm]	11 ¹ / ₂ " [292 mm]	13 ³ / ₄ " [349 mm]	45 ¹ / ₂ " [1156 mm]	27 ¹ / ₂ " [699 mm]	8 ¹ / ₈ " [206 mm]	20RD

ENGINEERING DATA

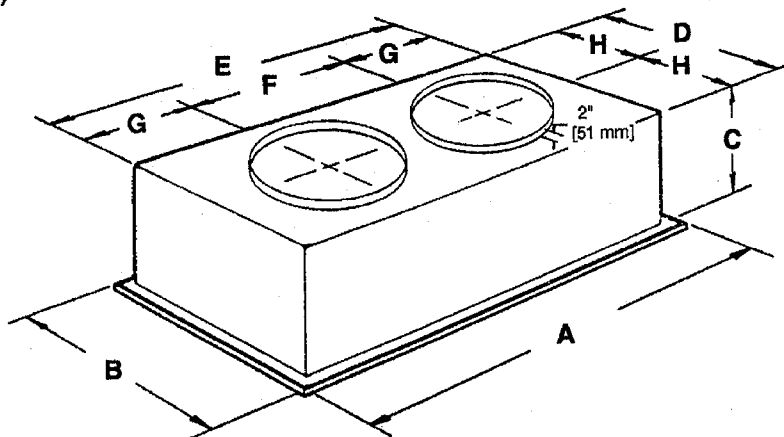
Model No.	CFM [L/s]	Static Pressure	Throw Feet	Neck Vel.	Jet Vel.	Noise Level
RXRN-FA60	1000 [472]	.14	10-17	351	351	20
	1200 [566]	.17	11-18	421	421	20
	1400 [661]	.20	12-19	491	491	20
	1600 [755]	.24	12-20	561	561	20
	1800 [850]	.30	13-21	632	632	20
	2000 [944]	.36	14-23	702	702	20
	2200 [1038]	.40	16-25	772	772	20
RXRN-FA65	2600 [1227]	.17	24-29	669	669	20
	2800 [1321]	.20	25-30	720	720	25
	3000 [1416]	.25	27-33	772	772	25
	3200 [1510]	.31	28-35	823	823	25
	3400 [1605]	.37	30-37	874	874	30

[] Designates Metric Conversions

FLUSH MOUNT CONCENTRIC DIFFUSER

RXRN-FA70 (3 to 6 Ton [10.6 to 21.1 kW] Models)
RXRN-FA75 (3 to 7.5 Ton [10.6 to 26.4 kW] Models)

For Use With Duct Adapter (RXMC)



DIMENSIONAL DATA

Model No.	A	B	C	D	E	F	G	H	Duct Size
RXRN-FA70	47 ⁵ / ₈ " [1210 mm]	23 ⁵ / ₈ " [600 mm]	13 ¹ / ₂ " [343 mm]	21" [533 mm]	45" [1143 mm]	22 ¹ / ₂ " [572 mm]	11 ¹ / ₄ " [286 mm]	10 ¹ / ₂ " [267 mm]	18RD
RXRN-FA75	47 ⁵ / ₈ " [1210 mm]	29 ⁵ / ₈ " [752 mm]	16 ⁵ / ₈ " [422 mm]	27" [686 mm]	45" [1143 mm]	22 ¹ / ₂ " [572 mm]	11 ¹ / ₄ " [286 mm]	13 ¹ / ₂ " [343 mm]	20RD

ENGINEERING DATA

Model No.	CFM [L/s]	Static Pressure	Throw Feet	Neck Vel.	Jet Vel.	Noise Level
RXRN-FA70	1000 [472]	.14	15-20	391	694	20
	1200 [566]	.17	16-22	469	833	25
	1400 [661]	.20	17-24	547	972	30
	1600 [755]	.24	18-25	625	1111	30
	1800 [850]	.30	20-28	703	1250	35
	2000 [944]	.36	21-29	781	1389	40
	2200 [1038]	.40	22-30	859	1528	40
RXRN-FA75	2600 [1227]	.17	19-24	663	1294	30
	2800 [1321]	.20	20-28	714	1393	35
	3000 [1416]	.25	21-29	765	1492	35
	3200 [1510]	.31	22-29	816	1592	40
	3400 [1605]	.37	22-30	867	1692	40

[] Designates Metric Conversions



THERMOSTATS GAS/ELECTRIC

RECOMMENDED THERMOSTATS WITH AND W/O ECONOMIZER

Single Stage Cool w/o Economizer	Two Stage Cool w/Economizer
Maple Chase—Model #0970	Honeywell—Model #T7300-A1005
Honeywell—Model #T8602C	Honeywell—Model #T874D-1959
Maple Chase—Model #0960	
White Rodgers—Model #1F91-59	
Robertshaw—Model #CM64A-USAJ	

SAMPLE SPECIFICATIONS

Unit shall be completely factory assembled and performance tested to provide the required cooling and heating functions suitable for outdoor installations. Unit shall be UL/cUL listed and rated in accordance to ARI Standard 210.

CABINET

Unit casing, base pan and framework shall be manufactured of galvanized sheet metal primed and finished with powder paint capable of withstanding a 1000-hour salt spray test per ASTM B 117. Unit interior cabinet surfaces shall be insulated with a minimum 1/2-inch thick foil faced insulation. Access panels shall be easily removable providing access to the blower, filter, heating compartment, and compressor/control box. Unit base rails shall be provided with fork insertion slots and rigging holes. Condensate drain pan shall be of sloped design to conform to ASHRAE 62. Unit shall be supplied ready for vertical airflow and be easily convertible to horizontal airflow at or before installation.

COMPRESSOR(S)

Unit shall be provided with fully hermetic scroll compressor(s) with internally protected safety controls. Two compressors shall be utilized on 6 ton [21.1 kW] models.

COILS

The evaporator and condenser coils shall be fabricated of copper tubes with mechanically bonded aluminum plate fins. They shall be pressure tested prior to assembly into the unit, and electronically leak tested after assembly.

CONDENSER FAN

A single direct drive propeller fan shall discharge air vertically upward. The fan motor shall be permanently lubricated and have built-in overload protection.

EVAPORATOR BLOWER

A single, double inlet, centrifugal wheel shall rotate in permanently lubricated ball bearings. The wheel shall be made from steel with corrosion resistant finish and shall be statically and dynamically balanced.

HEATING SECTION

Heat exchanger shall be of the tubular type made of aluminized steel. Burners shall be of the in-shot type. Unit shall be equipped with an integrated direct spark ignition control board with built-in diagnostics feature. Safeties to include limit, lockout, and flame roll-out switches.

ACCESSORIES

ROOF CURB

Curb shall be full perimeter type, complying with the standards of the National Roofing Contractors Association. Design shall provide for drop-in of supply and return ducts prior to setting unit, and include an insulating panel for the rest of the curb area.

ECONOMIZER

Economizer shall be completely assembled for field installation. Unit shall include all controls and dampers including the barometric relief damper. Shall be offered for both vertical and horizontal applications.

MANUAL FRESH AIR DAMPER

Damper shall consist of damper and rainhood which is manually preset to admit up to 35% of outside air for field installation.

MOTORIZED FRESH AIR DAMPER

Damper shall consist of motor, damper, and rainhood which can admit up to 35% of outside air for field installation.

PRESSURE CONTROLS

High and low pressure controls shall be included for field or factory installation.

LOW AMBIENT CONTROL

Low ambient control shall be provided to cycle the condenser fan in response to condensing pressure and allow operation to 0 degrees F. The option shall be field or factory installed.

TIME DELAY CONTROL

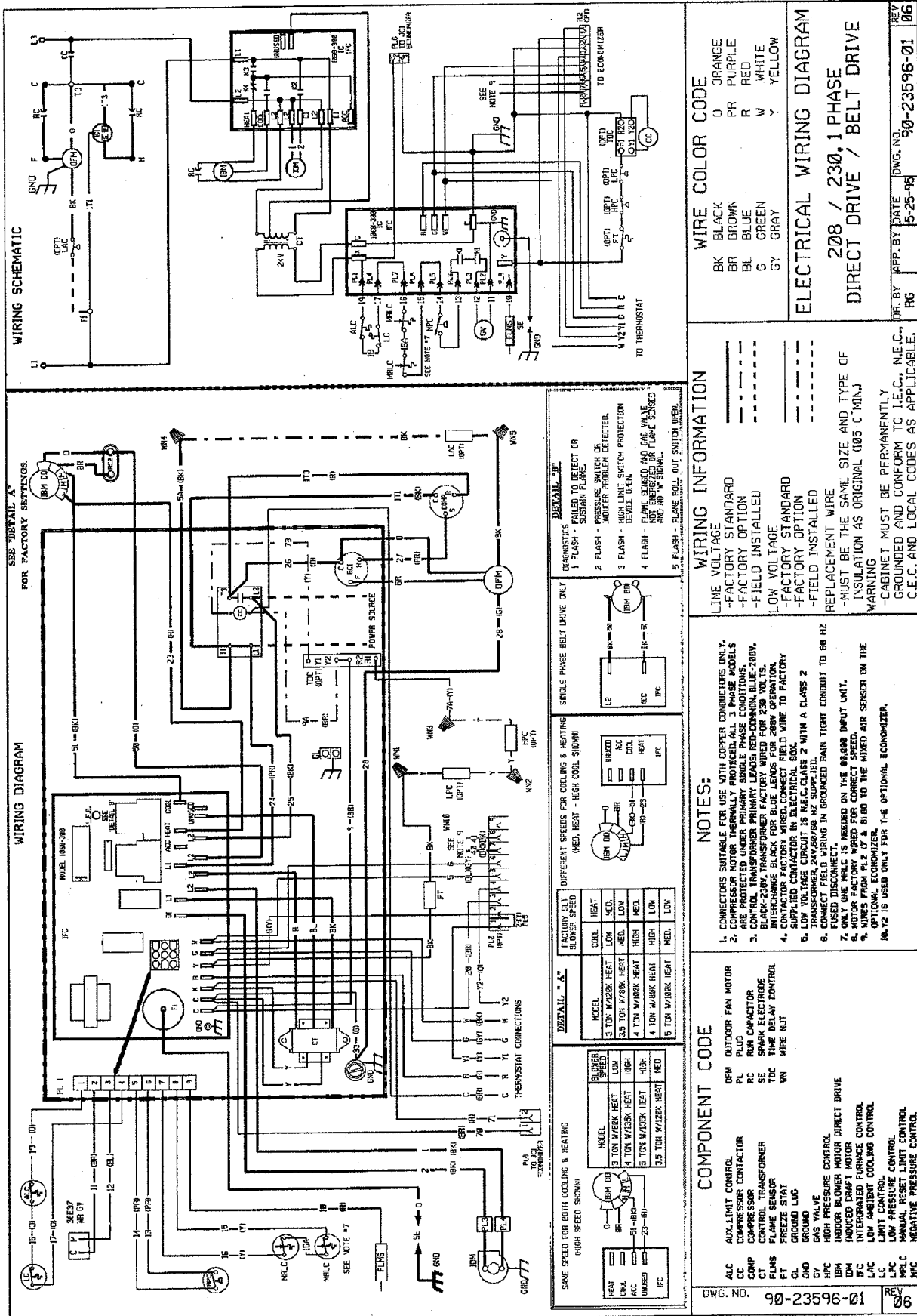
Time delay control shall be provided to prevent the compressor from restarting 5 minutes after shutdown. The control shall be field or factory installed.

LOUVER PANEL KITS

Field or factory installed louver kits shall be provided for condenser coil protection against hail or flying debris.

[] Designates Metric Conversions

WIRING SCHEMATICS—RKKA/RKMA- SERIES





WIRING SCHEMATICS—RKKA/RKMA- SERIES

