

# COMFORT WITH CONFIDENCE



## Product and Price Guide

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# AIR CONDITIONERS

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# C4A6S | Ion Series SINGLE STAGE AIR CONDITIONER

1-1/2 to 5 tons

Up to 16 SEER2



### Reliability

- Non-ozone depleting R-410A refrigerant
- Scroll compressor
- Internal pressure relief valve
- Internal thermal overload
- Filter drier

### Performance

- Communicating, self-configuring operation when used with Ion® System Control
- Outdoor temperature sensor factory installed
- Compressor sound blanket standard
- Isolation compressor grommets

### Durability

- Protection package: Solid, durable sheet metal construction

### Applications

- Long-line - up to 250 ft total equivalent length, up to 200 ft condenser above evaporator, or up to 80 ft evaporator above condenser.
- Low ambient cooling (down to 0°F) with approved low ambient accessory kits.

### Accessories

Description	Part No.	Used With	Price
Freeze Thermostat	NASA00201FS	All	N/A
Time Delay (90 second TDR)	NASA001TD	All	N/A
Time Delay (30 second TDR)	NASA00201TD	All	N/A
Low Ambient Pressure Switch	NASA401LA	All	N/A
Fan Motor	NASA00301PM*	49, 61	N/A
Hard Start Kit	NASA012SC	All	N/A
Cycle Protector	NASA001AC	All	N/A
Support Feet	NASA00201SF	All	N/A
Solenoid Valve	NASA401LS	All	N/A
Winter Start	NASA00201WS	All	N/A
Crankcase Heater	NASA00601CH	18-36	N/A
	NASA00501CH	42, 43, 48, 60	N/A
TXV (For use with copper coils)	NAEA40501TX	18-30	N/A
	NAEA40601TX	36, 42, 43	N/A
	NAEA40701TX	48-61	N/A
TXV (For use with aluminum coils)	NAEB40501TX	18-30	N/A
	NAEB40601TX	36, 42, 43	N/A
	NAEB40701TX	48-61	N/A

### Unit Performance Data

Model Number	Size (Tons)	Nominal Btu/hr	Volts-Phase (60 HZ)	Operating Voltage Range	Shipping Dimensions Length x Width x Height in.	Ship / Operate Weight lbs.	Price
C4A6S24AKAWA	2	24,000	208-230-1	197-253	34-1/4 x 34-1/4 x 37-5/16	179/159	
C4A6S30AKAWA	2-1/2	30,000			34-1/4 x 34-1/4 x 40-3/4	182/164	
C4A6S36AKAWA	3	36,000			34-1/4 x 34-1/4 x 44-1/8	197/176	
C4A6S42AKAWA	3-1/2	42,000			34-1/4 x 34-1/4 x 37-5/16	225/204	
C4A6S48AKAWA	4	48,000			34-1/4 x 34-1/4 x 37-5/16	225/204	
C4A6S60AKAWA	5	60,000			34-1/4 x 34-1/4 x 44-1/8	242/221	

# CVA9 | Ion Series

## HIGH EFFICIENCY VARIABLE-SPEED COMMUNICATING AIR CONDITIONER

2 to 5 tons

Up to 17.5 SEER2



### Refrigeration Circuit

- Variable speed compressor operates at 5 stages with capacity range as wide as 25 - 100%
- High pressure switch
- Suction pressure transducer
- Pressure equalizer valve for easy starting
- Compressor discharge temperature sensor
- Coil temperature sensor
- Copper tube/aluminum fin coil

### Performance

- Up to 13.0 EER
- Integrated inverter control enables 5-stage operation with complete ION™ Communicating Control System
- Also capable of 2-stage operation with 2-stage thermostat
- Self-configuring installation with ION™ Communicating Control System
- Compact ECM fan motor driven by integrated inverter control
- Outdoor temperature sensor factory installed
- High-performance compressor sound shield standard
- Isolation compressor grommets
- Enhanced dehumidification

### Easy To Install and Service

- “Last 10 System Events” diagnostics with Ion™ control
- Only 2 control wires required from communicating indoor unit to condenser
- External high and low refrigerant service ports
- Factory charged with R-410A refrigerant
- Adjustments for min and max staging with Observer Wall Control

### Built To Last

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

### Limited Warranty\*

- 10 year No Hassle Replacement™ limited warranty
- 5 year parts limited warranty (including compressor and coil) With timely registration, an additional 5 year parts limited warranty (including compressor and coil)
- \*For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

Model Number	Size (Tons)	Nominal Btu/hr	Min. Circuit Amps	Max. Fuse/Breaker	Shipping Dimensions Length x Width x Height in.	Ship / Operate Weight lbs.	Price
CVA924GKA	2	24,000	13.5	20	31-13/16 x 23-1/8	128/150	
CVA936GKA	3	36,000	24.2	40	38-1/2 x 23-1/8	152/177	
CVA948GKA	4	48,000	27.3	40	38-15/16 x 31-3/16	205/242	
CVA949GKA	4	48,000	26.0	40	43-11/16 x 35	249/285	N/A



# N4A7T | Performance Series 2-STAGE AIR CONDITIONER

2 to 5 tons

Up to 17.5 SEER2



### Reliability

- R-410A refrigerant
- Front-seating service valves
- 2-stage scroll compressors on all models
- Internal pressure relief valve
- Internal thermal overload
- Filter-Drier supplied with every unit for field installation
- Balanced refrigeration system for maximum reliability

### Durability

- Protect Package: Solid, Durable sheet metal construction
- Pre-painted cabinet finish over galvanized steel

### Applications

- Long-line - up to 250 feet (76.2 m) total equivalent length, up to 200 feet (60.96 m) condenser above evaporator, or up to 80 ft. (24.38 m) evaporator above condenser (See Longline Guide for more information.)
- Low ambient cooling (down to 0°F / -17.8°C ) with approved low ambient accessory kits."

### Limited Warranty\*

- 5 year parts limited warranty (including compressor and coil) With timely registration, an additional 5 year parts limited warranty (including compressor and coil)
- \* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Accessories

Description	Part No.	Used With	Price
Freeze Thermostat	NASA00201FS	All	N/A
Time Delay (90 second TDR)	NASA001TD	All	N/A
Low Ambient Pressure Switch	NASA401LA	All	N/A
Hard Start Kit	NASA015SC	48-60	N/A
	NASA012SC	24-36	N/A
Cycle Protector	NASA001AC	All	N/A
Support Feet	NASA00201SF	All	N/A
Solenoid Valve	NASA401LS	All	N/A
Winter Start	NASA00201WS	All	N/A
Crankcase Heater	NASA00601CH	24	N/A
	NASA00501CH	60	N/A
TXV (For use with copper coils)	NAEA40501TX	24	N/A
	NAEA40601TX	36	N/A
	NAEA40701TX	48-60	N/A
TXV (For use with aluminum coils)	NAEB40501TX	24	N/A
	NAEB40601TX	36	N/A
	NAEB40701TX	48-60	N/A
Sound Blanket	NASA00201SJ	24-36	N/A
	NASA00101SJ	48-60	N/A
Low Pressure Switch	NASA403PS	All	N/A
High Pressure Switch	NASA404PS	All	N/A

### Unit Performance Data

Model Number	Size (Tons)	Nominal Btu/hr	Volts-Phase (60 HZ)	Operating Voltage Range	Shipping Dimensions Length x Width x Height in.	Ship / Operate Weight lbs.	Price
N4A7T24AKAWA	2	24,000	208-230-1	197-253	34-1/4 x 34-1/4 x 40-3/4	173/115	
N4A7T36AKAWA	3	36,000			37-13/16 x 37-13/16 x 37-5/16	208/182	
N4A7T48AKAWA	4	48,000			37-13/16 x 37-13/16 x 44-1/8	261/233	
N4A7T60AKAWA	5	60,000			37-13/16 x 37-13/16 x 44-1/8	261/233	

# N4A5S | Performance Series SINGLE STAGE AIR CONDITIONER

1-1/2 To 5 tons

Up to 17 SEER2



### Reliability

- R-410A refrigerant - environmentally balanced, non-ozone depleting and low lifetime service cost.
- Scroll compressor
- Internal pressure relief valve
- Internal thermal overload
- Filter drier

### Durability

- Protection Package: Solid, durable sheet metal construction. Dense wire coil guard.

### Applications

- Long-line – up to 250 feet (76.20 m) total equivalent length, up to 200 feet (60.96 m) condenser above evaporator, or up to 80 ft. (24.4 m) evaporator above condenser (See Long Line Guide for more information.)
- Low ambient cooling (down to 0°F / -18°C) with approved low ambient accessory kits.

### Accessories

Description	Part No.	Used With	Price
Freeze Thermostat	NASA00201FS	All	N/A
Time Delay (90 second TDR)	NASA001TD	All	N/A
Time Delay (30 second TDR)	NASA00201TD	All	N/A
Low Ambient Kit	NASA401LA	All	N/A
Hard Start Kit	NASA012SC	All	N/A
Cycle Protector	NASA001AC	All	N/A
Support Feet	NASA00201SF	All	N/A
Liquid-Line Solenoid Valve	NASA401LS	All	N/A
Winter Start Control	NASA00201WS	All	N/A
Low-Pressure Switch	NASA403PS	All	N/A
High-Pressure Switch	NASA404PS	All	N/A
Crankcase Heater	NASA00601CH	42-60	N/A
	NASA00501CH	18-36	N/A
TXV Kit (For use with copper coils)	NAEA40501TX	18-30	N/A
	NAEA40601TX	36-42	N/A
	NAEA40701TX	48-60	N/A
TXV Kit (For use with aluminum coils)	NAEB40501TX	18-30	N/A
	NAEB40601TX	36-42	N/A
	NAEB40701TX	48-60	N/A
Sound Blanket Kit	NASA00201SJ	18-36	N/A
	NASA00101SJ	42-60	N/A

### Unit Performance Data

Model Number	Size (Tons)	Nominal Btu/hr	Volts-Phase (60 HZ)	Operating Voltage Range	Shipping Dimensions Length x Width x Height in.	Ship Weight lbs.	Price
N4A5S18AKAWA	1-1/2	18,000	208-230-1	197-253	33-15/16 x 28-3/4 X 28-3/4	126	
N4A5S24AKAWA	2	24,000			40-3/4 x 28-3/4 X 28-3/4	137	
N4A5S30AKAWA	2-1/2	30,000			40-3/4 x 34-1/4 x 34-1/4	162	
N4A5S36AKAWA	3	36,000			44-1/8 x 34-1/4 x 34-1/4	169	
N4A5S42AKAWA	3-1/2	42,000			37-5/16 x 34-1/4 x 34-1/4	199	
N4A5S48AKAWA	4	48,000			37-5/16 x 34-1/4 x 34-1/4	199	
N4A5S60AKAWA	5	60,000			44-1/8 x 34-1/4 x 34-1/4	215	

# N4A4S | Performance Series SINGLE STAGE AIR CONDITIONER

1-1/2 To 5 tons

Up to 16 SEER2



### Reliability

- R-410A refrigerant - environmentally sound, won't deplete the ozone layer and low lifetime service cost."
- Scroll compressor
- Internal pressure relief valve
- Internal thermal overload
- Filter drier

### Durability

- Protection Package: Solid, durable sheet metal construction. Dense wire coil guard

### Applications

- Long-line – up to 250 feet (76.20 m) total equivalent length, up to 200 feet (60.96 m) condenser above evaporator, or up to 80 ft. (24.4 m) evaporator above condenser (See Long Line Guide for more information.)
- Low ambient cooling (down to 0°F / -18°C ) with approved low ambient accessory kits.

### Limited Warranty\*

- 5 year parts limited warranty (including compressor and coil) With timely registration, an additional 5 year parts limited warranty (including compressor and coil)
- \* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Accessories

Description	Part No.	Used With	Price
Evaporator Freeze Thermostat	NASA00201FS	All	N/A
Time Delay (90 second TDR)	NASA001TD	All	N/A
Time Delay (30 second TDR)	NASA00201TD	All	N/A
Low Ambient Pressure Switch	NASA401LA	All	N/A
Hard Start Kit	NASA012SC	All	N/A
Cycle Protector	NASA001AC	All	N/A
Support Feet	NASA00201SF	All	N/A
Liquid-Line Solenoid Valve	NASA401LS	All	N/A
Winter Start Control	NASA00201WS	All	N/A
Low-Pressure Switch	NASA403PS	All	N/A
High-Pressure Switch	NASA404PS	All	N/A
Crankcase Heater	NASA00601CH	18-36	N/A
	NASA00501CH	42-60	N/A
TXV Kit (For use with copper coils)	NAEA40501TX	18-30	N/A
	NAEA40601TX	36-42	N/A
	NAEA40701TX	48-60	N/A
TXV Kit (For use with aluminum coils)	NAEB40501TX	18-30	N/A
	NAEB40601TX	36-42	N/A
	NAEB40701TX	48-60	N/A
Sound Blanket Kit	NASA00201SJ	18-36	N/A
	NASA00101SJ	42-60	N/A

### Unit Performance Data

Model Number	Size (Tons)	Nominal Btu/hr	Volts-Phase (60 HZ)	Operating Voltage Range	Shipping Dimensions Length x Width x Height in.	Ship / Operate Weight lbs.	Price
N4A4S18AKANA	1-1/2	18,000	208-230-1	197-253	30-9/16 x 26 x 26	109/100	
N4A4S24AKANA	2	24,000			30-9/16 x 28-3/4 x 28-3/4	121/111	
N4A4S30AKANA	2-1/2	30,000			37-5/16 x 34-1/4 x 34-1/4	161/139	
N4A4S36AKANA	3	36,000			30-1/2 x 34-1/4 x 34-1/4	146/132	
N4A4S42AKANA	3-1/2	42,000			47-1/2 x 34-1/4 x 34-1/4	146/132	
N4A4S48AKANA	4	48,000			33-15/16 x 34-1/4 x 34-1/4	190/171	
N4A4S60AKANA	5	60,000			40-3/4 x 34-1/4 x 34-1/4	206/190	

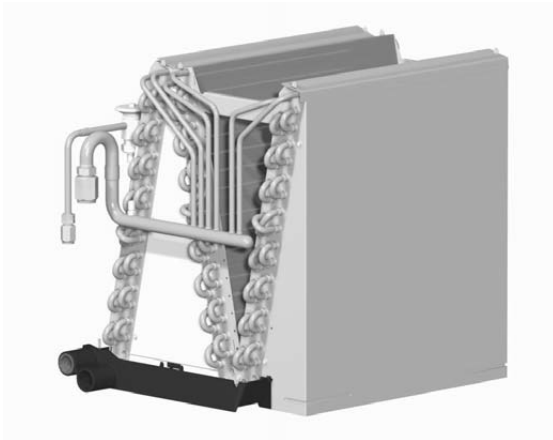


# COILS



# EMA4X COILS FOR MANUFACTURED HOUSING

2 to 4 tons



### Features and Benefits

- Designed for mobile home downflow gas furnaces
- Bolt-on TXV metering device factory installed on all models (equalizer tube brazed in)
- Two condensate drain connections
- “N” evaporator design to keep height at a minimum
- Shipped with condensate drain hose and trap
- Shipped with fittings and adapter plates
- Aluminum hairpin/return-bend/fin “N” coil with the latest high-tech fin design

### Limited Warranty

- 5 year parts limited warranty  
-- With timely registration, an additional 5 year parts limited warranty
- \* Applies to original purchaser/homeowner, some limitations may apply. See Warranty certificate for complete details

### Unit Performance Data

Model Number	Size (Tons)	Shipping Dimensions Height x Width x Depth in.	Ship Weight lbs.	Price
EMA4X24DAL	2	12-5/8 x 17-7/8 x 19-9/16	34	
EMA4X36DAL	3	14-11/16 x 17-7/8 x 19-9/16	39	
EMA4X48DAL	4	18-3/4 x 17-7/8 x 19-9/16	45	

# END4X | Performance Series N-COIL CASED VERTICAL EVAPORATOR COIL

1-1/2 to 5 tons

### Features and Benefits

- Removable front access panel
- Hemmed flanges for safer handling
- Foil faced insulation
- Non-sweat cabinet, even at extreme conditions
- Cabinets meet or exceed 2% air leakage codes
- Sturdy, pre-painted steel cabinet
- Upflow or downflow installation (cased use only)
- Compact design, shorter than comparable A-coils
- Cabinet widths match flush with ICP 14-3/16", 17-1/2", 21" and 24-1/2" gas furnace cabinets (field fabricated transitions required to match other ICP furnace models)

### Limited Warranty

- 5 year parts limited warranty  
-- With timely registration, an additional 5 year parts limited warranty
- \* Applies to original purchaser/homeowner, some limitations may apply. See Warranty certificate for complete details

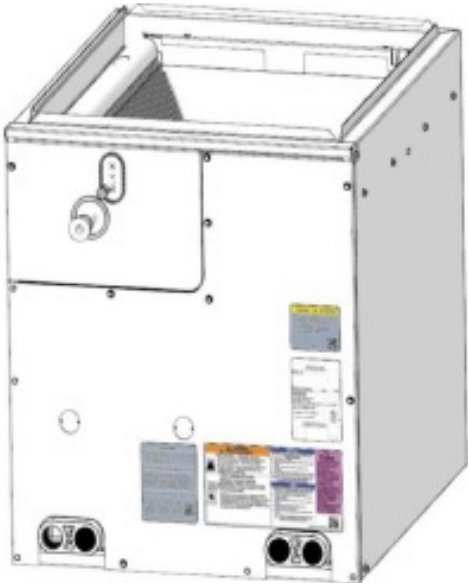


### Unit Performance Data

Model Number	Size (Tons)	Shipping Dimensions Height x Width in.	Ship Weight lbs.	Price
END4X24L14A	2	14-5/8 x 14-3/16	40	
END4X24L17A	3	14-5/8 x 17-1/2	40	
END4X30L17A	2 -1/2	17 x 17-1/2	45	
END4X36L17A	3	17 x 17-1/2	47	
END4X36L21A	3	17 x 21	48	
END4X48L21A	4	22-1/16 x 21	66	
END4X60L24A	5	26-7/8 x 24-1/2	78	

# EVD4X | Performance Series POWER-V CASED VERTICAL EVAPORATOR COIL

1-1/2 to 5 tons



### Unit Performance Data

Model Number	Size (Tons)	Shipping Dimensions Length x Width x Depth in.	Approx Ship Weight lbs.	Price
EVD4X18M14A	1.5	14-11/16 x 14-3/16 x 20-5/8	28.0	
EVD4X19M17A	1.5	19-7/16 x 17-1/2 x 20-5/8	37.0	
EVD4X24M14A	2	14-11/16 x 14-3/16 x 20-5/8	28.0	
EVD4X24M17A	2	14-11/16 x 17-1/2 x 20-5/8	37.0	
EVD4X30M14A	2.5	17-1/16 x 14-3/16 x 20-5/8	31.0	
EVD4X30M17A	2.5	19-7/16 x 17-1/2 x 20-5/8	37.0	
EVD4X31M17A	2.5	25-13/16 x 17-1/2 x 20-5/8	44.0	
EVD4X36M17A	3	19-7/16 x 17-1/2 x 20-5/8	37.0	
EVD4X36M21A	3	19-1/16 x 21 x 20-5/8	38.0	
EVD4X38M17A	3	29-3/4 x 17-1/2 x 20-5/8	49.0	
EVD4X42M17A	3.5	19-1/4 x 17-1/2 x 20-5/8	38.0	
EVD4X42M21A	3.5	19-1/16 x 21 x 20-5/8	38.0	
EVD4X48M21A	4	21-15/16 x 21 x 20-5/8	42.0	
EVD4X48M24A	4	22-1/16 x 24-1/2 x 20-5/8	44.0	
EVD4X60M24A	5	26-5/16 x 24-1/2 x 20-5/8	49.0	
EVD4X61M24A	5	35 x 24-1/2 x 20-5/8	64.0	

### Standard Features

- Puron® refrigerant compatible
- Lower pressure drop for better system performance
- Both upflow and downflow applications with one SKU
- Factory installed TXV
- High-tech all-aluminum fin technology
- Durable sloped drain pan with 3 drain plugs
- Easy TXV and coil access without disconnecting line set connections
- Aluminum coils incorporate advanced manufacturing techniques to provide the next generation solution to coil corrosion, including formicary corrosion
- Meets or exceeds burst pressure of 1900 psi
- Factory installed UV knockouts
- Easy access to all sides of coil for cleaning; coil is removable from front of unit without tools.

### Limited Warranty

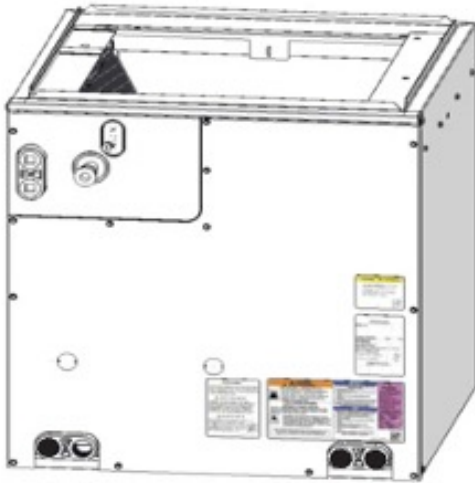
- 10 year parts to original purchaser upon timely registration, otherwise 5 years. See warranty card for details.

### Accessories

Description	Part No.	Price
Coil Adapter Kits - No Offset	NAHB00101CA	
Coil Adapter Kits - Single Offset	NAHB00201CA	
Coil Adapter Kits - Double Offset	NAHB00301CA	

# EVM4X | Performance Series POWER-V CASED MULT-POISE EVAPORATOR COIL

1-1/2 to 5 tons



### Unit Performance Data

Model Number	Size (Tons)	Shipping Dimensions Height x Width x Depth in.	Approx Ship Weight lbs.	Price
EVM4X24M17A	2	14-11/16 x 17-1/2 x 20-5/8	39.3	
EVM4X30M17A	2.5	19-7/16 x 17-1/2 x 20-5/8	40.0	
EVM4X36M17A	3	19-7/16 x 17-1/2 x 20-5/8	40.0	
EVM4X42M21A	3.5	19-1/16 x 21 x	40.9	
EVM4X48M21A	4	21-15/16 x 21 x 20-5/8	45.4	
EVM4X60M24A	5	26-5/16 x 24-1/2 x 20-5/8	53.0	

### Standard Features

- R-410A refrigerant compatible
- Lower pressure drop for better system performance
- Upflow, downflow, and horizontal with one SKU
- Factory installed TXV
- High-tech all-aluminum fin technology
- Durable sloped drain pan; 5 drain plugs (3 vert, 2 horiz)
- Easy TXV and coil access without disconnecting line set connections
- Aluminum coils incorporate advanced manufacturing techniques to provide the next generation solution to coil corrosion, including formicary corrosion
- Meets or exceeds burst pressure of 1900 psi
- Factory installed knockouts for easy UV light installation
- Easy access to all sides of coil for cleaning; coil is removable from front of unit without tools.

### Limited Warranty

- 10 year parts to original purchaser upon timely registration, otherwise 5 years. See warranty card for details.

### Accessories

Description	Part No.	Price
Coil Adapter Kits - No Offset	NAHB00101CA	
Coil Adapter Kits - Single Offset	NAHB00201CA	
Coil Adapter Kits - Double Offset	NAHB00301CA	



# FCM4X | Ion Series

## VARIABLE-SPEED FAN COIL

2 to 5 tons

### Features and Benefits

- 2, 3, 4, and 5 Tons
- Multi-position installation
- Communicating, self configuring when used with Ion® System Control
- Smart Diagnostic for easier troubleshooting
- Bi-flow hard-shutoff R-410A TXV metering device
- HUD approved for manufactured housing
- Sweat connections
- Primary and secondary brass drain connections
- Energy efficient variable speed ECM Motor
- Ultra-low power consumption during fan only operation
- High duct static capability
- Pre-painted galvanized sheet metal cabinet insulation with vapor barrier
- Cabinet construction designed to prevent cabinet sweating
- Assembled at the factory compliant with low leak requirements of less than 2% cabinet leakage rate at 0.5 inches W.C. and 1.4% cabinet leakage rate at 0.5 inches W.C. when tested in accordance with ASHRAE 193 standard.
- Modular cabinet on 5 ton model
- 208/230-1-60 supply voltage
- Multiple electrical entry for application flexibility
- Low voltage terminal strip
- Easy plug connection provided for quick installation of accessory heater packages
- Factory supplied washable filter easily removed – no tools required.

### Limited Warranty

- 10 year No Hassle Replacement limited warranty
- 5 year parts limited warranty – With timely registration, an additional 5 year parts limited warranty
- For owner occupied, residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications

### Unit Performance Data

Model Number	Size (Tons)	Nom. CFM (L/S)	Shipping Dimensions Height x Width x Depth in.	Filter Size Height x Width in.	Ship Weight lbs.	Price
FCM4X2400AL	2	800 (378)	42-11/16 x 17-5/8 x 22-1/16	16-3/8 x 21-1/2	135	
FCM4X3600AL	3	1200 (566)	53-7/16 x 21-1/8 x 22-1/16	19-7/8 x 21-1/2	150	
FCM4X4800AL	4	1600 (755)	53-7/16 x 21-1/8 x 22-1/16	19-7/8 x 21-1/2	172	
FCM4X6000AL	5	1750 (826)	59-3/16 x 24-11/16 x 22-1/16	23-5/16 x 21-1/2	207	



# FJM4 | Performance Series COMPACT FAN COIL

1-1/2 to 5 tons

## Standard Features

- Multi-tap ECM (electronic commutating motor) motors – all sizes.
- Integrated motor controls, with 90-sec off TDR function, have replaced integrated circuit board.
- Five available speed tags to meet a wide range of applications.
- Large, grooved tube, louvered fin coils.
- Efficient, quiet, time-tested blower housings and diffusers.
- Sturdy, drainable condensate pans.
- Construction innovations designed to prevent cabinet sweating.
- Tested for condensate disposal in much tougher conditions than Air Conditioning and Refrigeration Institute requirements.
- Super-thick R-4.2 insulation with vapor barrier.
- Pre-painted galvanized steel cabinet (dark grey).
- Design meets stringent regulations for cabinet air leakage of less than 2% when tested at 0.5 inches W.C., and less than 1.4% at 0.5 inches W.C. when tested in accordance with ASHRAE 193 standard.
- Installation-flexible, multipoise units. 2-piece modular design available for 42 thru 60 sizes. Facilitates attic and crawlspace installations.
- Horizontal hanging provisions on cabinet.
- Newly improved filter rack area filter door insulation added for improved air seal. No tools required to access filter.
- 3 through 30 kW accessory heaters - field installed.
- Easy plug-in provisions for heater installation.
- Entry options for high and low voltage wiring hook-up.
- Leak-preventing sweat connections.
- Thermostatic expansion valve, TXV, on all coils.
- Designed for manufactured housing applications.



## Limited Warranty

- Default 5-year parts limited warranty:
  - 10-year parts limited warranty with timely registration\* Equipment must be registered within 90 days of original installation, except in jurisdictions where warranty benefits cannot be conditioned on registration.
- Applies to original purchaser/homeowner and not available to subsequent owners, except in jurisdictions where laws dictate otherwise.

## Unit Performance Data

Model Number	Size (Tons)	Nominal Cooling Capacity (Btuh)	Shipping Dimensions Height x Width x Depth in.	Ship Weight lbs.	Price
FJMA4X18L0AB	1-1/2	18,000	42-11/16 x 14-5/16 x 22-1/16	120	
FJMA4X24L0BC	2	24,000	49-5/8 x 17-5/8 x 22-1/16	131	
FJMA4X30L0BB	2-1/2	30,000	49-5/8 x 17-5/8 x 22-1/16	148	
FJMA4X36L0BB	3	36,000	49-5/8 x 17-5/8 x 22-1/16	148	
FJMA4X42L0CB	3-1/2	42,000	49-5/8 x 21-1/8 x 22-1/16	166	
FJMA4X48L0CB	4	48,000	53-7/16 x 21-1/8 x 22-1/16	182	
FJMA4B60L0DB	5	60,000	59-3/16 x 24-11/16 x 22-1/16	210	N/A

# DLFUAH | Performance Series AIR HANDLER

1-1/2 to 5 tons



### Secure Operation

- If security is an issue, outdoor and indoor units are connected only by refrigerant piping and wiring to prevent intruders from crawling through the ductwork. In addition, since outdoor units can be installed close to an outside wall, coils are protected from vandals and severe weather.

### Fast Installation

- This compact ductless system is simple to install. This makes the air handler systems the equipment of choice, especially in retrofit situations.
- On all indoor units, service and maintenance expense is reduced due to easy accessible service panels. In addition, these air handler systems have extensive self-diagnostics to assist in troubleshooting.

### Built-In Reliability

- The air handler system indoor and outdoor units are designed to provide years of trouble-free operation.
- The air handler indoor units include protection against freeze-up and high evaporator temperatures on heat pumps.
- The condensing units on the heat pumps are protected by a three minute delay that provides over-current protection and high temperature protection prior to the start of the compressor.

### Economical Operation

- The air handler system design allows individual or multi-room heating or cooling when required. There is no need to run large supply-air fans or chilled water pumps to handle a few spaces with unique load patterns.

### Easy-To-Use Controls

- The air handler units have microprocessor-based controls to provide the ultimate in comfort and efficiency. The user-friendly control provides the interface between the user and the unit.

### Multi-Point Installation

- Designed for maximum installation flexibility. The secondary drain built-in allows the unit to be mounted in an upflow, downflow, left or right installation depending on existing conditions.

### 24V Interface

- The built-in 24V Interface allows users to control the system with a third party thermostat.

### Agency Listings

- All systems are listed with AHRI (Air Conditioning, Heating & Refrigeration Institute), UL/ETL and CSA.

### Limited Warranty

- 10 year limited to original purchaser on compressor and parts upon timely registration, otherwise 5 years  
\*For residential applications.
- See warranty for full details.

### Unit Performance Data

Model Number	Shipping Dimensions Height x Depth x Width in.	Ship Weight lbs.	Price
DLFUAAH18XAK	45 x 21 x 17-1/2	127.2	
DLFUAAH24XAK	45 x 21 x 17-1/2	127.2	
DLFUAAH30XAK	49 x 21 x 21	153	
DLFUAAH36XAK	49 x 21 x 21	153	
DLFUAAH48XAK	49 x 21 x 21	155.9	
DLFUAAH60XAK	53 x 21 x 24-1/2	189.6	

# GAS FURNACES

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**While They Last!**

# G80VTL (Series A) | QuietComfort Series 80% AFUE TWO-STAGE GAS FURNACE

44,000–110,000 BTUh



### Easier To Sell

- 80% AFUE
- Cabinet air leakage less than 2.0% at 1.0 in. W.C. and cabinet air leakage less than 1.4% at 0.5 in. W.C. when tested in accordance with ASHRAE standard 193
- Supports two-stage cooling units
- Flame roll-out sensors standard
- Category I venting
- Blocked vent switch
- Dehumidification feature in cooling
- 24 VAC humidifier terminal
- Electronic air cleaner terminal
- All units can be installed in air quality management districts with a 40 ng/J NOx emissions requirement

### Tougher

- Variable speed, constant airflow ECM blower motor
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ Aluminized steel heat exchanger
- High temperature limit control designed to prevent overheating
- Direct ignition with Silicon Nitride ignitor
- One piece prepainted steel cabinet

### Quieter

- Two-stage operation
- Two-speed induced draft blower
- In-shot burners
- Insulated blower compartment

### Easier To Install And Service

- 33-1/3" (847mm) high, for ease of installation
- Quarter turn knobs for easy door removal and secure attachment
- Convertible to propane with gas conversion accessory kit
- Four position – upflow/downflow/horizontal (left/right) installation
- Three position vent elbow capability
- Through the casing flue pipe for counterflow applications
- Common venting with other Category I appliances
- Masonry chimney adapter available
- Self diagnostics
- Slide out blower assembly

### Limited Warranty\*

- 5 year No Hassle Replacement™ limited warranty
- Lifetime heat exchanger limited warranty with timely registration
- 5 year parts limited warranty. With timely registration, an additional 5 year parts limited warranty
- \* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

Model Number	Heating Input (BTUH)	Efficiency AFUE	Cooling Capacity CFM range @ .5 in. w.c. (125 Pa)	Shipping Dimensions Length x Width x Height in.	Operating Weight lbs.	Price
G80VTL0451412A	44,000	80%	410-1175	33-1/3 x 14-3/16 x 29	111	
G80VTL0701716A	66,000	80%	300-1740	33-1/3 x 17-1/2 x 29	132	
G80VTL0902120A	88,000	80%	225-1915	33-1/3 x 21 x 29	142	
G80VTL1102122A	110,000	80%	375-2345	33-1/3 x 21 x 29	154	



Replaces G80VTL (Series A)

# G80VTL (Series B) | QuietComfort Series 80% AFUE TWO-STAGE GAS FURNACE



44,000–110,000 BTUh

### Easier To Sell

- Variable 25-speed, constant torque ECM motor
- Enhanced diagnostics with easy to read 2 digit display for faults and status
- 80% AFUE
- Cabinet air leakage less than 2.0% at 1.0 in. w.c. and cabinet air leakage less than 1.4% at 0.5 in. w.c. when tested in accordance with ASHRAE standard 193
- Supports two-stage cooling units
- Flame roll-out sensors standard
- Category I venting
- Blocked vent switch
- Dehumidification feature in cooling
- 24 VAC humidifier terminal
- Electronic air cleaner terminal
- All units can be installed in air quality management districts with a 40 ng/J NOx emissions requirement

### Tougher

- Variable speed, constant airflow ECM blower motor
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ Aluminized steel heat exchanger
- High temperature limit control designed to prevent overheating
- Direct ignition with Silicon Nitride ignitor
- One piece prepainted steel cabinet

### Quieter

- Two-stage operation
- Two-speed induced draft blower
- In-shot burners
- Insulated blower compartment

### Easier To Install And Service

- On-board NFC antenna makes setup a tap away when using service technician app
- 33-1/3" (847mm) high, for ease of installation
- Quarter turn knobs for easy door removal and secure attachment
- Convertible to propane with gas conversion accessory kit
- Twinning capable with accessory kit
- Four position – upflow/downflow/horizontal (left/right) installation
- Three position vent elbow capability
- Through the casing flue pipe for counterflow applications
- Common venting with other Category I appliances
- Masonry chimney adapter available
- Self diagnostics
- Slide out blower assembly

### Limited Warranty\*

- 5-year No Hassle Replacement™ limited warranty
- Default 5-year parts limited warranty
- Default 20-year heat exchanger limited warranty with timely registration
- 10-year parts and lifetime limited heat exchanger warranty with timely registration
- Equipment must be registered within 90 days of original installation, except in jurisdictions where warranty benefits cannot be conditioned on registration.
- \*Applies to original purchaser/homeowner and not available to subsequent owners.
- See Warranty certificate for complete details and restrictions

### Unit Performance Data

Model Number	Heating Input (BTUH)	Efficiency AFUE	Cooling Capacity CFM range @ .5 in. w.c. (125 Pa)	Shipping Dimensions Length x Width x Height in.	Operating Weight lbs.	Price
G80VTL0451412B	44,000	80%	185-1345	33-1/3 x 14-3/16 x 29	114	
G80VTL0701716B	66,000	80%	260-1715	33-1/3 x 17-1/2 x 29	134	
G80VTL0902120B	88,000	80%	330-2285	33-1/3 x 21 x 29	149	
G80VTL1102122B	110,000	80%	375-2345	33-1/3 x 21 x 29	155	

**While They Last!**

# G96CTN (Series A) | Ion Series 96.7% AFUE TWO-STAGE GAS FURNACE

44,000–120,000 BTUh



### Easier To Sell

- Up to 96.7% AFUE in upflow and horizontal positions 95% AFUE in downflow position
- Two-stage heating operation
- ION™ Communicating Control System
- Variable-speed, constant airflow ECM blower motor
- Supports single-stage, two-stage, and variable speed cooling units
- Dehumidification feature in cooling
- All sizes can be installed in air quality management districts with a 40 ng/J NOx emissions requirement
- Cabinet air leakage less than 2.0% at 1.0 in. W.C. and cabinet air leakage less than 1.4% at 0.5 in. W.C. when tested in accordance with ASHRAE standard 193

### Tougher

- Flame roll-out sensors standard
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ® primary heat exchanger
- Stainless steel secondary heat exchanger
- High temperature limit control designed to prevent overheating
- Direct ignition with Silicon Nitride igniter

### Quieter

- Operates quieter at lower heating rates
- Two-speed induced draft combustion blower
- Variable speed, constant airflow ECM blower motor
- Fully insulated steel cabinet

### Easier To Install And Service

- Direct vent (2-pipe), single-pipe venting or ventilated combustion air
- 24 VAC humidifier terminal
- Electronic air cleaner terminal
- 35" (889mm) high, for ease of installation
- Quarter turn knobs for easy door removal and secure attachment
- Convertible to propane with gas conversion accessory kit
- Four position - upflow/downflow/horizontal (left/right installation
- At least twelve different venting configurations
- Through the casing flue pipe for counterflow or horizontal applications with accessory (order separately)
- Self-configuring and communicating control
- Concentric vent available
- Slide out heat exchanger assembly and blower assembly

### Limited Warranty\*

- 10 year No Hassle Replacement™ limited warranty
- Lifetime heat exchanger limited warranty with timely registration
- 5 year parts limited warranty  
-With timely registration, an additional 5 year parts limited warranty
- \*For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

Model Number	Heating Input (BTUH)	AFUE Upflow/ HZ	AFUE Down-flow	ENERGY STAR®	Cooling Capacity CFM range @ .5 in. w.c. (125 Pa)	Shipping Dimensions Height x Width x Depth in.	Ship Weight lbs.	Price
G96CTN0601714A	60,000	96.3%	95.0%	✓	530 - 1280	35 x 17-1/2 x 29-1/2	151	
G96CTN0801714A	80,000	96.2%	95.0%	✓	520 - 1310	35 x 17-1/2 x 29-1/2	152.5	
G96CTN0802120A	80,000	96.7%	95.0%	✓	750 - 1945	35 x 21 x 29-1/2	171.5	
G96CTN1002122A	100,000	96.1%	95.0%	✓	715 - 2160	35 x 21 x 29-1/2	179	
G96CTN1202422A	120,000	96.5%	95.0%	✓	705 - 2135	35 x 24-1/2 x 29-1/2	195	

Replaces G96CTN (Series A)

# G96CTN (Series B) | Ion Series 96.7% AFUE TWO-STAGE GAS FURNACE

44,000 – 120,000 BTUh



### Easier To Sell

- Up to 96.7% AFUE in upflow and horizontal positions, 95% AFUE in downflow position
- Two-stage heating operation
- ION™ Communicating Control System
- Variable-speed, constant airflow ECM blower motor for extra SEER boost with select cooling equipment
- Supports single-stage, two-stage, and variable speed cooling units
- Dehumidification feature in cooling
- All sizes can be installed in air quality management districts with a 40 ng/J NOx emissions requirement
- Cabinet air leakage less than 2.0% at 1.0 in. w.c. and cabinet air leakage less than 1.4% at 0.5 in. w.c. when tested in accordance with ASHRAE standard 193

### Tougher

- Flame roll-out sensors standard
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ® primary heat exchanger
- Stainless steel secondary heat exchanger
- High temperature limit control designed to prevent overheating
- Direct ignition with Silicon Nitride ignitor

### Easier To Install And Service

- Direct vent (2-pipe), single-pipe venting or ventilated combustion air 24 VAC humidifier terminal
- Electronic air cleaner terminal
- 35" high, for ease of installation
- Quarter turn knobs for easy door removal and secure attachment
- Convertible to propane with gas conversion accessory kit
- Four position - upflow/downflow/horizontal (left/right) installation
- RAT and SAT thermistors can provide temperature rise
- At least twelve different venting configurations
- Through the casing flue pipe for counterflow or horizontal applications with accessory (order separately)
- Self-configuring and communicating control
- Concentric vent available
- Slide out heat exchanger assembly and blower assembly

### Limited Warranty\*

- 10 year No Hassle Replacement™ limited warranty
- Lifetime heat exchanger limited warranty with timely registration
- 5 year parts limited warranty  
-With timely registration, an additional 5 year parts limited warranty
- \*For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

Model Number	Casing Dimensions Height x Depth x Width in.	Rated Heating Output (BTUH)		AFUE		Heating Air Flow			Cooling Cfm @ 0.5 Esp	Motor Hp (Var. Speed)	Media Cabinet Supplied in.	Ship Weight lbs.	Price
		High	Low	Up-flow	Down-flow	CFM (Low)	CFM (High)	Rated High Heating ESP					
G96CTN0601714B	35 x 30 x 17-1/2	59,000	38,000	96.3%	95%	758	1045	0.12	530 - 1280	1/2	16	143	
G96CTN0801714B	35 x 30 x 17-1/2	78,000	51,000	96.2%	95%	955	1215	0.15	520 - 1310	1/2	16	145	
G96CTN0802120B	35 x 30 x 21	78,000	51,000	96.7%	95%	970	1250	0.15	750 - 1945	1	20	157	
G96CTN1002122B	35 x 30 x 21	98,000	54,000	96.1%	95%	1280	1475	0.20	715 - 2160	1	20	167	
G96CTN1202422B	35 x 30 x 24-1/2	117,000	76,000	96.7%	95%	1495	1880	0.20	705 - 2135	1	24	188	

**While They Last!**

# G96VTN (Series A) | QuietComfort Series 96.7% AFUE VARIABLE SPEED GAS FURNACE

60,000–120,000 BTUh



### Easier To Sell

- Up to 96.7% AFUE in upflow and horizontal positions, 95% AFUE in downflow position
- Two-stage heating operation
- Variable 25-speed, constant torque (VCT) ECM blower motor
- Supports single-stage and two-stage cooling units
- Dehumidification feature in cooling
- Can be installed in air quality management districts with a 40 ng/J NOx emissions requirement
- Cabinet air leakage less than 2.0% at 1.0 in. w.c. and cabinet air leakage less than 1.4% at 0.5 in. w.c. when tested in accordance with ASHRAE standard 193

### Tougher

- Flame roll-out sensors standard
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ® primary heat exchanger
- Stainless steel secondary heat exchanger
- High temperature limit control designed to prevent overheating
- Direct ignition with Silicon Nitride ignitor

### Quieter

- Operates at quieter, lower heating rates
- Two-speed induced draft combustion blower
- Variable speed, constant torque ECM blower motor
- Fully insulated steel cabinet

### Easier To Install And Service

- On-board NFC antenna makes setup a tap away when using the service technician app
- Direct vent (2-pipe), single-pipe venting or ventilated combustion air
- Electronic Air Cleaner and Humidifier terminal
- 35" (889mm) high, for ease of installation
- Quarter turn knobs for easy door removal and secure attachment
- Convertible to propane with gas conversion accessory kit
- Four position – upflow/downflow/horizontal (left/right) installation
- Twelve different venting configurations
- Through the casing flue pipe for counterflow or horizontal applications with accessory (order separately)
- Concentric vent available
- Slide out heat exchanger assembly and blower assembly
- Twinning capable with accessory (order separately)
- 5 ton sies allow 15 Amp breaker with accessory (order separately)
- Compatible with 24V thermostats

### Limited Warranty\*

- 5-year No Hassle Replacement™ limited warranty
- Default 5-year parts limited warranty
- Default 20-year heat exchanger limited warranty
- 10-year parts and lifetime limited heat exchanger warranty with timely registration\* Equipment must be registered within 90 days of original installation, except in jurisdictions where warranty benefits cannot be conditioned on registration.
- \* Applies to original purchaser/homeowner and not available to subsequent owner
- See Warranty certificate for complete details and restrictions

### Unit Performance Data

Model Number	Heating Input (BTUH)	AFUE Upflow/ HZ	AFUE Down-flow	ENERGY STAR®	Cooling Capacity CFM range @ .5 in. w.c. (125 Pa)	Shipping Dimensions Height x Width x Depth in.	Ship Weight lbs.	Price
G96VTN0401410A	40,000	96.0%	95.0%	✓	445 - 1030	35 x 14-3/16 x 29-1/2	123	
G96VTN0401712A	40,000	96.0%	95.0%	✓	400 - 1105	35 x 17-1/2 x 29-1/2	133	
G96VTN0601412A	60,000	96.0%	95.0%	✓	445 - 1115	35 x 14-3/16 x 29-1/2	132	
G96VTN0601716A	60,000	96.3%	95.0%	✓	360 - 1655	35 x 17-1/2 x 29-1/2	145	
G96VTN0801716A	80,000	96.2%	95.0%	✓	255-1625	35 x 17-1/2 x 29-1/2	147	
G96VTN0802120A	80,000	96.7%	95.0%	✓	440 - 2005	35 x 21 x 29-1/2	170	
G96VTN1002120A	100,000	96.1%	95.0%	✓	405 - 2005	35 x 21 x 29-1/2	171	
G96VTN1202422A	120,000	96.7%	95.0%	✓	505 - 2190	35 x 24-1/2 x 29-1/2	190	

Replaces G96VTN (Series A)

# G96VTN (Series B) | QuietComfort Series 96.7% AFUE VARIABLE SPEED GAS FURNACE

60,000 – 120,000 BTUh



### Easier To Sell

- Up to 96.7% AFUE in upflow and horizontal positions, 95% AFUE in downflow position
- Two-stage heating operation
- Variable 25-speed, constant torque (VCT) ECM blower motor
- Supports single-stage and two-stage cooling units
- Dehumidification feature in cooling
- Can be installed in air quality management districts with a 40 ng/J NOx emissions requirement
- Cabinet air leakage less than 2.0% at 1.0 in. w.c. and cabinet air leakage less than 1.4% at 0.5 in. w.c. when tested in accordance with ASHRAE standard 193

### Tougher

- Flame roll-out sensors standard
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ® primary heat exchanger
- Stainless steel secondary heat exchanger
- High temperature limit control designed to prevent overheating
- Direct ignition with Silicon Nitride ignitor

### Quieter

- Operates at quieter, lower heating rates
- Two-speed induced draft combustion blower
- Variable speed, constant torque ECM blower motor
- Fully insulated steel cabinet

### Easier To Install And Service

- On-board NFC antenna makes setup a tap away when using the service technician app
- Direct vent (2-pipe), single-pipe venting or ventilated combustion air
- Electronic Air Cleaner and Humidifier terminal
- 35" (889mm) high, for ease of installation
- Quarter turn knobs for easy door removal and secure attachment
- Convertible to propane with gas conversion accessory kit
- Four position – upflow/downflow/horizontal (left/right) installation
- Twelve different venting configurations
- Through the casing flue pipe for counterflow or horizontal applications with accessory (order separately)
- Concentric vent available
- Slide out heat exchanger assembly and blower assembly
- Twinning capable with accessory (order separately)
- 5 ton sies allow 15 Amp breaker with accessory (order separately)
- Compatible with 24V thermostats

### Limited Warranty\*

- 5-year No Hassle Replacement™ limited warranty
- Default 5-year parts limited warranty
- Default 20-year heat exchanger limited warranty
- 10-year parts and lifetime limited heat exchanger warranty with timely registration\* Equipment must be registered within 90 days of original installation, except in jurisdictions where warranty benefits cannot be conditioned on registration.
- \* Applies to original purchaser/homeowner and not available to subsequent owner
- See Warranty certificate for complete details and restrictions

### Unit Performance Data

Model Number	Heating Input (BTUH)	AFUE Upflow/ HZ	AFUE Down-flow	ENERGY STAR®	Cooling Capacity CFM range @ .5 in. w.c. (125 Pa)	Shipping Dimensions Height x Width x Depth in.	Ship Weight lbs.	Price
G96VTN0401410B	40,000	96.0%	95.0%	✓	135-1035	35 x 14-3/16 x 29-1/2	126	
G96VTN0401712B	40,000	96.0%	95.0%	✓	205-1105	35 x 17-1/2 x 29-1/2	136	
G96VTN0601412B	60,000	96.0%	95.0%	✓	175-1155	35 x 14-3/16 x 29-1/2	128	
G96VTN0601716B	60,000	96.3%	95.0%	✓	345-1565	35 x 17-1/2 x 29-1/2	145	
G96VTN0801716B	80,000	96.2%	95.0%	✓	255-1625	35 x 17-1/2 x 29-1/2	152	
G96VTN0802120B	80,000	96.7%	95.0%	✓	270-2110	35 x 21 x 29-1/2	160	
G96VTN1002120B	100,000	96.1%	95.0%	✓	340-2170	35 x 21 x 29-1/2	172	
G96VTN1202422B	120,000	96.7%	95.0%	✓	165-2130	35 x 24-1/2 x 29-1/2	191	



**While They Last!**

# G97CMN (Series A) | Ion Series 98% AFUE COMMUNICATING, MODULATING GAS FURNACE

60,000–120,000 BTUh



### Easier To Sell

- Up to 98% AFUE in upflow and horizontal positions
- Up to 96.7% AFUE in downflow
- Modulating heating operation (40% - 100% capacity)
- ION™ Communicating Control System
- Variable-speed, constant airflow ECM blower motor
- Supports single, two-stage and variable cooling units
- Dehumidification feature in cooling
- All sizes can be installed in California air quality management districts with a 40 ng/J NOx emissions requirement
- Cabinet air leakage less than 2.0% at 1.0 in. W.C. and cabinet air leakage less than 1.4% at 0.5 in. W.C. when tested in accordance with ASHRAE standard 193

### Tougher

- Flame roll-out sensors standard
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ® primary heat exchanger
- Stainless steel secondary heat exchanger
- High temperature limit control designed to prevent overheating
- Direct ignition with Silicon Nitride ignitor

### Quieter

- Operates at quieter, lower heating rates
- Variable speed induced draft combustion blower
- Variable speed, constant airflow, communicating ECM blower motor
- Insulated steel cabinet

### Easier To Install And Service

- Direct vent (2-pipe) or ventilated combustion air
- 24 VAC humidifier terminal
- Electronic air cleaner terminal
- 35" (889mm) high, for ease of installation and room for service
- Quarter turn knobs for easy door removal and secure attachment
- Convertible to propane with gas conversion accessory kit
- Four position – upflow/downflow/horizontal (left/right) installation
- Twelve different venting configurations
- Through the casing flue pipe for counterflow or horizontal applications with accessory kit (order separately)
- Concentric vent available
- Simple troubleshooting of gas valve
- Self-configuring and communicating control
- Slide out heat exchanger assembly and blower assembly

### Limited Warranty\*

- 10 year No Hassle Replacement™ limited warranty
- Lifetime heat exchanger limited warranty with timely registration
- 5 year parts limited warranty.
- With timely registration, an additional 5 year parts limited warranty
- \* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

Model Number	Heating Input (BTUH)	AFUE Upflow/ HZ	AFUE Down-flow	ENERGY STAR®	Cooling Capacity CFM range @ .5 in. w.c. (125 Pa)	Shipping Dimensions Height x Width x Depth in.	Ship Weight lbs.	Price
G97CMN0601714A	60,000	97.0%	95.0%	✓	510-1335	35 x 17-1/2 x 29-1/2	154	
G97CMN0801714A	80,000	97.0%	95.0%	✓	490-1375	35 x 17-1/2 x 29-1/2	164	
G97CMN0802120A	80,000	97.0%	95.0%	✓	750-1945	35 x 21 x 29-1/2	169	
G97CMN1002122A	100,000	97.0%	95.0%	✓	715-2160	35 x 21 x 29-1/2	179	
G97CMN1202422A	120,000	97.0%	95.0%	✓	680-2185	35 x 24-1/2 x 29-1/2	203	

Replaces G97CMN (Series A)

# G97CMN (Series B) | Ion Series 98% AFUE COMMUNICATING, MODULATING GAS FURNACE

60,000 – 120,000 BTUh



### Easier To Sell

- Up to 98% AFUE in upflow and horizontal positions
- Up to 96.7% AFUE in downflow
- Modulating heating operation (40% - 100% capacity)
- ION™ Communicating Control System
- Variable-speed, constant airflow ECM blower motor
- Supports single, two-stage and variable cooling units
- Dehumidification feature in cooling
- All sizes can be installed in California air quality management districts with a 40 ng/J NOx emissions requirement
- Cabinet air leakage less than 2.0% at 1.0 in. W.C. and cabinet air leakage less than 1.4% at 0.5 in. W.C. when tested in accordance with ASHRAE standard 193

### Tougher

- Flame roll-out sensors standard
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ® primary heat exchanger
- Stainless steel secondary heat exchanger
- High temperature limit control designed to prevent overheating
- Direct ignition with Silicon Nitride ignitor

### Quieter

- Operates at quieter, lower heating rates
- Variable speed induced draft combustion blower
- Variable speed, constant airflow, communicating ECM blower motor
- Insulated steel cabinet

### Easier To Install And Service

- Direct vent (2-pipe) or ventilated combustion air
- 24 VAC humidifier terminal
- Electronic air cleaner terminal
- 35" (889mm) high, for ease of installation and room for service
- Quarter turn knobs for easy door removal and secure attachment
- Convertible to propane with gas conversion accessory kit
- Four position – upflow/downflow/horizontal (left/right) installation
- Twelve different venting configurations
- Through the casing flue pipe for counterflow or horizontal applications with accessory kit (order separately)
- Concentric vent available
- Simple troubleshooting of gas valve
- Self-configuring and communicating control
- Slide out heat exchanger assembly and blower assembly

### Limited Warranty\*

- 10 year No Hassle Replacement™ limited warranty
- Lifetime heat exchanger limited warranty with timely registration
- 5 year parts limited warranty.
- With timely registration, an additional 5 year parts limited warranty
- \* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

Model Number	Heating Input (BTUH)	AFUE Upflow/ HZ	AFUE Down-flow	ENERGY STAR®	Cooling Capacity CFM range @ .5 in. w.c. (125 Pa)	Shipping Dimensions Heigh x Width x Depth in.	Ship Weight lbs.	Price
G97CMN0601714B	60,000	97.0%	95.0%	✓	510-1335	35 x 17-1/2 x 29-1/2	144	
G97CMN0801714B	80,000	97.0%	95.0%	✓	490-1375	35 x 17-1/2 x 29-1/2	150	
G97CMN0802120B	80,000	97.0%	95.0%	✓	750-1945	35 x 21 x 29-1/2	161	
G97CMN1002122B	100,000	97.0%	95.0%	✓	715-2160	35 x 21 x 29-1/2	166	
G97CMN1202422B	120,000	97.0%	95.0%	✓	680-2185	35 x 24-1/2 x 29-1/2	184	

**While They Last!**

# N80ESN (Series A) | Performance Series 80% AFUE SINGLE-STAGE, MULT-SPEED GAS FURNACE

30,000–155,000 BTUh



### Easier To Sell

- 80% AFUE
- Flame roll-out sensors standard
- Category I venting
- Blocked vent switch
- Louvered door
- 24 VAC and 115 VAC humidifier terminal
- Electronic air cleaner terminal
- Approved for twinning application (0702116, 0902116, 0902120, 0902420, 1102120, 1102420, 1352420, 1552420) with accessory (order separately)
- N80ESL - Low NOx units can be installed in air quality management districts with a 40 ng/J NOx emissions requirement
- Cabinet air leakage less than 2.0% at 1.0 in. W.C. and cabinet air leakage less than 1.4% at 0.5 in. W.C. when tested in accordance with ASHRAE standard 193

### Quieter

- In-shot burners

### Easier To Install And Service

- 33-1/3" (847mm) high, for ease of installation
- Quarter turn knobs for easy door removal and secure attachment
- Convertible to propane with gas conversion accessory kit
- Four position – upflow/downflow/horizontal (left/right) installation
- Three position inducer elbow capability
- Through the casing flue pipe for counterflow applications
- Common venting with other Category I appliances
- Masonry chimney adapter available
- Self diagnostics
- Slide out blower assembly

### Tougher

- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ Aluminized steel heat exchanger
- High temperature limit control designed to prevent overheating
- Direct ignition with Silicon Nitride ignitor
- One piece prepainted steel cabinet

### Limited Warranty\*

- 20 year heat exchanger limited warranty with timely registration
- 5 year parts limited warranty
- With timely registration, an additional 5 year parts limited warranty
- \* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

Model Number	Heating Input (BTUH)	Efficiency AFUE	Cooling Capacity CFM range @ .5 in. w.c. (125 Pa)	Shipping Dimensions Height x Width x Depth in.	Ship Weight lbs.	Price
N80ESN0451412A	44,000	80%	415-1080	33-1/3 x 14-3/16 x 29	104	
N80ESN0701412A	66,000	80%	315-1070	33-1/3 x 14-3/16 x 29	114	
N80ESN0701712A	66,000	80%	385-1005	33-1/3 x 17-1/2 x 29	120	
N80ESN0901714A	88,000	80%	750-1210	33-1/3 x 17-1/2 x 29	131	
N80ESN1102120A	110,000	80%	990-1715	33-1/3 x 21 x 29	146	
N80ESN1352420A	132,000	80%	1025-1810	33-1/3 x 24-1/2 x 29	167	
N80ESN1552420A	154,000	80%	835-1965	33-1/3 x 24-1/2 x 29	168	

Replaces N80ESN (Series A)

# N80MSN | Performance Series 80% AFUE SINGLE-STAGE, MULTI-SPEED GAS FURNACE

45,000–155,000 BTUh



### Easier To Sell

- 80% AFUE
- Flame roll-out sensors standard
- Category I venting
- Blocked vent switch
- Louvered door
- 24 VAC and 115 VAC humidifier terminal
- Electronic air cleaner terminal
- Approved for twinning application (0702116, 0902116, 0902120,0902420, 1102120, 1102420, 1352420, 1552420) with accessory (order separately)
- N80ESL - Low NOx units can be installed in air quality management districts with a 40 ng/J NOx emissions requirement
- Cabinet air leakage less than 2.0% at 1.0 in. W.C. and cabinet air leakage less than 1.4% at 0.5 in. W.C. when tested in accordance with ASHRAE standard 193

### Quieter

- In-shot burners

### Easier To Install And Service

- 33-1/3" (847mm) high, for ease of installation
- Quarter turn knobs for easy door removal and secure attachment
- Convertible to propane with gas conversion accessory kit
- Four position – upflow/downflow/horizontal (left/right) installation
- Three position inducer elbow capability
- Through the casing flue pipe for counterflow applications
- Common venting with other Category I appliances
- Masonry chimney adapter available
- Self diagnostics
- Slide out blower assembly

### Tougher

- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ Aluminized steel heat exchanger
- High temperature limit control designed to prevent overheating
- Direct ignition with Silicon Nitride ignitor
- One piece prepainted steel cabinet

### Limited Warranty\*

- 20 year heat exchanger limited warranty with timely registration
- 5 year parts limited warranty
- With timely registration, an additional 5 year parts limited warranty
- \* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

Model Number	Heating Input (BTUH)	Efficiency AFUE	Cooling Capacity CFM range @ .5 in. w.c. (125 Pa)	Shipping Dimensions Height x Width x Depth in.	Ship Weight lbs.	Price
N80MSN0451412A	44,000	80%	415-1080	33-1/3 x 14-3/16 x 29	108	
N80MSN0701412A	66,000	80%	315-1070	33-1/3 x 14-3/16 x 29	114	
N80MSN0701712A	66,000	80%	385-1005	33-1/3 x 17-1/2 x 29	124	
N80MSN0901714A	88,000	80%	750-1210	33-1/3 x 17-1/2 x 29	133	
N80MSN1102120A	110,000	80%	990-1715	33-1/3 x 21 x 29	150	
N80MSN1352420A	132,000	80%	1025-1810	33-1/3 x 24-1/2 x 29	167	
N80MSN1552420A	154,000	80%	835-1965	33-1/3 x 24-1/2 x 29	171	

**While They Last!**

# N96ESN | Performance Series 96% AFUE SINGLE-STAGE, MULTI-SPEED GAS FURNACE

26,000–140,000 BTUh



### Easier To Sell

- Up to 96% AFUE in upflow, horizontal, and up to 95% AFUE in downflow positions
- Fixed-speeds, constant torque ECM blower motor
- Supports single-stage cooling units
- Insulated heat exchanger compartment
- Cabinet air leakage less than 2.0% at 1.0 in. W.C. and cabinet air leakage less than 1.4% at 0.5 in. W.C. when tested in accordance with ASHRAE standard 193
- Approved for Twinning applications with accessory kit (601714, 801716, 802120, 1002120, 1202422, 1402422 models, only).
- Approved for Manufactured Housing/Mobile Home applications with accessory (order separately)
- All sizes can be installed in air quality management districts with a 40 ng/J NOx emissions requirement

### Tougher

- Flame roll-out sensors standard
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- Stainless steel secondary heat exchanger
- High temperature limit control designed to prevent overheating
- Direct ignition with Silicon Nitride igniter
- High quality, corrosion-resistant, prepainted steel cabinet

### Easier To Install And Service

- Direct vent (2-pipe), single-pipe venting or ventilated combustion air
- 24 VAC humidifier terminal and electronic air cleaner terminal
- 35" (889mm) high, for ease of installation
- Quarter turn knobs for easy door removal and secure attachment
- Convertible to propane with gas conversion accessory kit
- Four position - upflow/downflow/horizontal (left/right installation)
- Twelve different venting configurations
- Through the casing flue pipe for counterflow or horizontal applications with accessory (order separately)
- Concentric vent available
- Self diagnostics with super bright LED
- Slide out heat exchanger and blower assembly

### Limited Warranty\*

- Lifetime heat exchanger limited warranty with timely registration
- 5 year parts limited warranty - With timely registration, an additional 5 year parts limited warranty
- \*For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

Model Number	Heating Input (BTUH)	AFUE Upflow	AFUE Downflow	Cooling Capacity CFM range @ .5 in. w.c. (125 Pa)	Shipping Dimensions Height x Width x Depth in.	Ship Weight lbs.	Price
N95ESN0261410A	26,000	96%	95%	235 - 895	35 x 14-3/16 x 29-1/2	118	
N95ESN0401410A	40,000	96%	95%	365 - 950	35 x 14-3/16 x 29-1/2	120	
N95ESN0601412A	60,000	95%	95%	345 - 1120	35 x 14-3/16 x 29-1/2	129	
N95ESN0601714A	60,000	96%	95%	460 - 1330	35 x 17-1/2 x 29-1/2	138.5	
N95ESN0801716A	80,000	96%	95%	935 - 1665	35 x 17-1/2 x 29-1/2	146.5	
N95ESN0802120A	80,000	96%	95%	895 - 1855	35 x 21 x 29-1/2	154.5	
N95ESN1002122A	100,000	96%	95%	1300 - 2065	35 x 21 x 29-1/2	164.5	
N95ESN1202422A	120,000	96%	95%	710 - 2105	35 x 24-1/2 x 29-1/2	179.5	
N95ESN1402422A	140,000	95%	95%	470 - 2310	35 x 24-1/2 x 29-1/2	189	



Replaces N96ESN

# N96MSN | Performance Series 97% AFUE SINGLE-STAGE, MULTI-SPEED GAS FURNACE

26,000 – 140,000 BTUh



### Easier To Sell

- Up to 97% AFUE in upflow, horizontal, and up to 95% AFUE in downflow positions
- Multi 18-speed, constant torque (MCT) ECM blower motor
- Enhanced diagnostics with easy to read 3-digit display for faults and status.
- Supports single-stage cooling units
- Insulated heat exchanger compartment
- Cabinet air leakage less than 2.0% at 1.0 in. w.c. and cabinet air leakage less than 1.4% at 0.5 in. w.c. when tested in accordance with ASHRAE standard 193
- Approved for Twinning applications with manufacturer’s approved accessory kit.
- Approved for Manufactured Housing/Mobile Home applications with accessory (order separately)
- All sizes can be installed in air quality management districts with a 40 ng/J NOx emissions requirement

### Tougher

- Flame roll-out sensors standard
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- Stainless steel secondary heat exchanger
- High temperature limit control designed to prevent overheating
- Direct ignition with Silicon Nitride igniter
- High quality, corrosion-resistant, prepainted steel cabinet

### Easier To Install And Service

- On-board NFC antenna makes setup a tap away when using the service technician app.
- Direct vent (2-pipe), single-pipe venting or ventilated combustion air
- 24 VAC humidifier terminal and electronic air cleaner terminal
- 35" (889mm) high, for ease of installation
- Quarter turn knobs for easy door removal and secure attachment
- Convertible to propane with gas conversion accessory kit
- Four position - upflow/downflow/horizontal (left/right) installation
- Twelve different venting configurations
- Through the casing flue pipe for counterflow or horizontal applications with accessory (order separately)
- Concentric vent available
- Slide out heat exchanger and blower assembly

### Limited Warranty\*

- Lifetime heat exchanger limited warranty with timely registration
- 5 year parts limited warranty
- With timely registration, an additional 5 year parts limited warranty
- \*For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

Model Number	Heating Input (BTUH)	AFUE Upflow	AFUE Downflow	Cooling Capacity CFM range @ .5 in. w.c. (125 Pa)	Shipping Dimensions Height x Width x Depth in.	Ship Weight lbs.	Price
N96MSN0261410A	26,000	96%	95%	235 - 895	35 x 14-3/16 x 29-1/2	118	
N96MSN0401410A	40,000	96%	95%	365 - 950	35 x 14-3/16 x 29-1/2	120	
N96MSN0601412A	60,000	95%	95%	345 - 1120	35 x 14-3/16 x 29-1/2	129	
N96MSN0601716A	60,000	96%	95%	460 - 1330	35 x 17-1/2 x 29-1/2	138.5	
N96MSN0801716A	80,000	96%	95%	935 - 1665	35 x 17-1/2 x 29-1/2	146.5	
N96MSN0802120A	80,000	96%	95%	895 - 1855	35 x 21 x 29-1/2	154.5	
N96MSN1002122A	100,000	96%	95%	1300 - 2065	35 x 21 x 29-1/2	164.5	
N96MSN1202422A	120,000	96%	95%	710 - 2105	35 x 24-1/2 x 29-1/2	179.5	
N96MSN1402422A	140,000	95%	95%	470 - 2310	35 x 24-1/2 x 29-1/2	189	

# HEAT PUMPS

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# CVH8 | Ion Series HIGH EFFICIENCY, VARIABLE SPEED COMMUNICATING HEAT PUMP

2 to 5 tons

Up to 17 SEER2 cooling

8.1 HSPF heating



## Refrigeration Circuit

- Variable speed compressor operates at 5 stages with capacity range as wide as 25 - 100%
- Electronic expansion valve (EXV) for precise heating control
- High pressure switch
- Suction pressure transducer
- Pressure equalizer valve for easy starting
- Compressor discharge temperature sensor
- Coil temperature sensor
- Copper tube/aluminum fin coil
- Internal crankcase heater standard
- Suction line accumulator factory installed

## Performance

- Up to 13.0 EER and 11 HSPF
- Integrated inverter control enables 5-stage operation with complete Ion™ Communicating Control System
- Also capable of 2-stage operation with 2-stage thermostat
- Self-configuring installation with Ion™ Communicating Control System
- Compact ECM fan motor driven by integrated inverter control
- Outdoor temperature sensor factory installed
- High performance compressor sound shield standard
- Isolation compressor grommets
- Enhanced dehumidification

## Easy To Install And Service

- "Last 10 System Events" diagnostics with Ion™ Control
- Only 2 control wires required from communicating indoor unit to condenser
- External high and low refrigerant service ports
- Factory charged with R-410A refrigerant
- Adjustments for min and max staging with Ion™ Control

## Built To Last

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

## Limited Warranty\*

- 10 year No Hassle Replacement™ limited warranty
- 5 year parts limited warranty (including compressor and coil - With timely registration, an additional 5 year parts limited warranty (including compressor and coil)
- \* For residential applications only. See warranty certificate for complete details and restrictions,
- including warranty coverage for other applications.

## Unit Performance Data

Model Number	Size (Tons)	Nominal Btu/hr	Min. Crkt Amps	Max. Fuse / Breaker	Shipping Dimensions Width x Height in.	Ship / Operate Weight lbs.	Price
CVH824GKA	2	24,000	13.5	20	31-13/16 x 23-1/8	174/154	
CVH836GKA	3	36,000	24.4	40	38-1/2 x 23-1/8	182/164	
CVH848GKA	4	48,000	31.4	50	38-15/19 x 31-3/16	225/204	
CVH860GKA	5	60,000	40.8	60	42-5/16 x 31-3/16	317/295	

# N4H5S | Performance Series SINGLE STAGE HEAT PUMP

1-1/2 to 5 tons  
Up to 15.2 SEER2 cooling  
8.1 HSPF2 heating



## Reliability

- R-410A refrigerant - environmentally balanced, non-ozone depleting and low lifetime service cost.
- Scroll compressor
- Internal pressure relief valve
- Internal thermal overload
- Filter drier
- Balanced refrigeration system for maximum reliability

## Durability

- Protection Package: Solid, durable sheet metal construction. Dense wire coil guard.

## Applications

- Long-line – up to 250 feet (76.20 m) total equivalent length, up to 200 feet (60.96 m) condenser above evaporator, or up to 80 ft. (24.4 m) evaporator above condenser (See Long Line Guide for more information.)
- Low ambient cooling (down to 0°F / -18°C) with approved low ambient accessory kits.

## Limited Warranty\*

- 5 year parts limited warranty (including compressor and coil). With timely registration, an additional 5 year parts limited warranty (including compressor and coil)
- \* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

## Accessories

Description	Part No.	Used With	Price
Evaporator Freeze Thermostat	NASA00201FS	All	N/A
Time Delay (90 second TDR)	NASA001TD	All	N/A
Time Delay (60 second TDR)	NASA00201TD	All	N/A
Low Ambient Kit	NASA401LA	All	N/A
Hard Start Kit	NASA012SC	All	N/A
Cycle Protector	NASA001AC	All	N/A
Support Feet	NASA00201SF	All	N/A
Liquid-Line Solenoid Valve	NASA401LS	All	N/A
Winter Start Control	NASA00201WS	All	N/A
Low-Pressure Switch	NASA403PS	All	N/A
High-Pressure Switch	NASA404PS	All	N/A
Crankcase Heater	NASA00601CH	42-60	N/A
	NASA00501CH	18-36	N/A
TXV Kit (For use with copper coils)	NAEA40501TX	18-30	N/A
	NAEA40601TX	36-42	N/A
	NAEA40701TX	48-60	N/A
TXV Kit (For use with aluminum coils)	NAEB40501TX	18-30	N/A
	NAEB40601TX	36-42	N/A
	NAEB40701TX	48-60	N/A
Sound Blanket Kit	NASA00201SJ	18-36	N/A
	NASA00101SJ	42-60	N/A

## Unit Performance Data

Model Number	Size (Tons)	Nominal Btu/hr	Volts-Phase (60 HZ)	Operating Voltage Range	Shipping Dimensions Length x Width x Height in.	Ship Weight lbs.	Price
N4H5S18AKAAA	1-1/2	18,000	208-230-1	197-253	33-15/16 x 34-1/4 X 34-1/4	170	
N4H5S24AKAAA	2-1/2	24,000			37-5/16 x 34-1/4 X 34-1/4	190	
N4H5S30AKAAA	2-1/2	30,000			33-15/16 x 34-1/4 X 34-1/4	207	
N4H5S36AKAAA	3	36,000			33-15/16 x 34-1/4 X 34-1/4	208	
N4H5S42AKAAA	3-1/2	42,000			37-5/16 x 34-1/4 x 34-1/4	252	
N4H5S48AKAAA	4	48,000			40-3/4 x 34-1/4 x 34-1/4	260	
N4H5S60AKAAA	5	60,000			44-1/8 x 37-13/16 x 37-13/16	293	

# N4H7T | Performance Series TWO-STAGE HEAT PUMP

2 to 5 tons  
Up to 17 SEER2 cooling  
8.1 HSPF2 heating



### Sound

- Sound level as low as 70dBA

### Comfort

- System supports Thermostat or standard 2-stage thermostat controls

### Reliability

- R-410A refrigerant - environmentally sound, won't deplete the ozone layer and low lifetime service cost
- Front-seating service valves
- 2-stage scroll compressors
- Internal pressure relief valve
- Internal thermal overload
- Low pressure switch
- Filter drier
- Balanced refrigeration system for maximum reliability

### Durability

- Protection Package: Solid, Durable sheet metal construction. Pre-painted cabinet finish over galvanized steel.

### Applications

- Long-line - up to 250 feet (76.2 m) total equivalent length, up to 200 feet (60.96 m) condenser above evaporator, or up to 80 ft. (24.38 m) evaporator above condenser (See Longline Guide for more information).
- Low ambient cooling (down to 0°F / -17.8°C ) with approved low ambient accessory kits.

### Limited Warranty\*

- 5 year compressor limited warranty (including compressor and coil) With timely registration, an additional 5 year parts limited warranty (including compressor and coil)
- \* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Accessories

Description	Part No.	Used With	Price
Evaporator Freeze Stat	NASA00201FS	All	N/A
Time Delay Relay	NASA001TD	All	N/A
Low Ambient	NASA401LA	All	N/A
Isolation Relay	NASA0010101IK	All	N/A
Hard Start	NASA015SC	All	N/A
Cycle Protection	NASA001AC	All	N/A
Support Feet	NASA00201SF	All	N/A
Solenoid Valve	NASA001LS	All	N/A
TXV KIT (for use with copper coils)	NAEA40501TX	24	N/A
TXV KIT (for use with copper coils)	NAEA40601TX	36	N/A
TXV KIT (for use with copper coils)	NAEA40701TX	48-60	N/A
TXV KIT (for use with aluminum coils)	NAEB40501TX	24	N/A
TXV KIT (for use with aluminum coils)	NAEB40601TX	36	N/A
TXV KIT (for use with aluminum coils)	NAEB40701TX	48-60	N/A
Sound Blanket	NASA00201SJ	24-36	N/A
Sound Blanket	NASA00101SJ	48-60	N/A
Snow Stand	NASA00106SS	All	N/A
High Pressure Switch Kit	NASA405PS	All	N/A
	NAEB40701TX	48-60	N/A
Sound Blanket Kit	NASA00201SJ	18-36	N/A
	NASA00101SJ	42-60	N/A

### Unit Performance Data

Model Number	Size (Tons)	Nominal Btu/hr	Volts-Phase (60 HZ)	Operating Voltage Range	Shipping Dimensions Length x Width x Height in.	Ship / Operate Weight lbs.	Price
N4H7T24AKAAA	2	24,000	208-230-1	197-253	36 x 36 x 37-3/16	233/256	
N4H7T36AKAAA	3	36,000			36 x 36 x 40-9/16	245/270	
N4H7T48AKAAA	4	48,000			36 x 36 x 47-3/8	271/298	
N4H7T60AKAAA	5	60,000			36 x 36 x 47-3/8	294/323	

# DLCURA | QuietComfort Series COMPACT DUCTLESS HEAT PUMP

1.5 to 5 tons

Up to 18 SEER2 cooling

9.8 HSPF2 heating



## Sound

- Levels as low as 54 dBA

## Design Features

- Small Footprint
- Integrated 24V and RS-485 communications

## Reliability, Quality and Toughness

- Inverter-driven, variable speed, rotary Compressor
- Line lengths up to 213' (65 m)
- Low ambient operation on high heat models down to -22F (-30C) without the use of wind baffles
- Conventional line set sizes

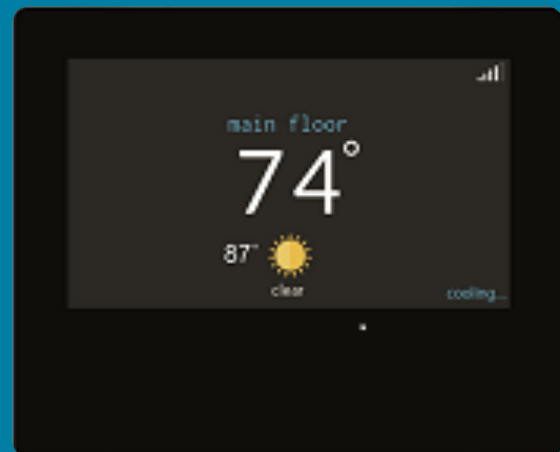
## Unit Performance Data

Model Number	Tons	Shipping Dimensions Width x Height x Depth in.	Ship Weight lbs.	Price
DLCURAH18ABK	1-1/2	31 x 21 x 12	81	
DLCURAH24ABK	2	35 x 126 x 13	109	
DLCURAH30ABK	2-1/2	37 x 31 x 16	151	
DLCURAH36ABK	3	37 x 31 x 16	161	
DLCURAH48ABK	4	37 x 52 x 16	248	
DLCURAH60ABK	5	37 x 52 x 16	248	



# SYSTEM CONTROLS

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# SYST0101 CW

## ION SYSTEM CONTROL



The Ion™ System Control is the ultimate control center for all of your system components. When you add an Ion™ System Control to a compatible variable-speed furnace, fan coil, split system, or Ion™ System compatible geothermal product (when available), you will enjoy longer heating and cooling cycles at lower fan speeds for a more consistent temperature throughout your home. By adding a multi-staged, or 2-stage outdoor unit, you will enjoy extra benefits which include better humidity and temperature control, as well as a more energy-efficient comfort system. When paired with Ion™ Zoning, the Ion™ System Control allows you to create up to eight zones of customized comfort.

The Ion™ Zoning system does not require a bypass damper, leaving air temperature (LAT) sensor, or field-installed power transformer.

Description	Part No.	Price
Ion™ System Control (Wi-Fi®)	SYST0101CW	

### Features and Benefits

- 2-wire connection to Ion™ System two or more -stage outdoor equipment
- 4-wire installation from each major component in the system
- Advanced humidity control settings are the default; no longer requiring increased system setup
- Complete integration of the temperature, humidity, and ventilation (when available) in every season
- Auto mode selection to satisfy simultaneous heating and cooling demands via more aggressive Auto Changeover algorithm -- installer must enable
- 7-day programmability with Lifestyle Comfort Profiles and activity features; complies with California Title 24 programmability requirements
- Upload photo, dealer info, and software updates locally via MicroSD card. Software updates available automatically when connected to the icpusa.com web server
- Compatible with Ion™ System geothermal products (when available). Energy Tracking feature for geothermal systems is available with Entering Water Temperature sensor installed in heat pump
- Compatible with home automation systems via Amazon™ Alexa™ control
- Day-at-a-glance programming for simplified ease of use
- Ion™ Zoning System compatibility
- Dirty Filter Detection
- Programmable fan by period
- Wi-Fi® remote access capability

### Limited Warranty

- 10 year parts, for the control, to original purchaser upon timely registration, otherwise 5 years
- 2 year parts for the wireless access point to original purchaser only