

11 EER 3.5 - 5 Ton Vertical Packaged Wall Mount Heat Pumps

EAA1042H-1048H-1060H
(High Efficiency Single Stage Cooling)

EAA2042H-2048H-2060H
(High Efficiency 2-Stage Cooling)

General Description

The Eubank® EAA family of wall mounted heat pumps are the ideal HVAC system for a wide variety of applications. The exterior mounting means that no valuable interior space is required. Eubank EAA heat pumps are packaged units – the refrigerant piping and internal wiring are factory assembled and thoroughly tested. All components are readily accessible for easy service and maintenance. The energy efficient operation keeps operating costs to a minimum and makes the Eubank heat pumps ideal problem solvers for a wide variety of applications, including offices, classrooms and telecommunication shelters.

➤ Eubank Heat Pumps Are Available To Meet Any Budget Or Efficiency Requirement:

• EAA Single Stage Models

Eubank heat pumps meet all federal efficiency requirements with an Energy Efficiency Ratio (EER) of 11. Single stage Eubank EAA heat pumps are available in cooling capacities of 3½, 4 and 5 tons (42,000 to 60,000 BTUH).

• EAA 2-Stage Models

These models feature a 2-stage compressor which can reduce energy costs by more precisely matching the cooling capacity to the heat load with first stage cooling approximately 65% of the total cooling capacity. This results in Energy Efficiency Ratios (EER's) of up to 11.00 and an Integrated Part Load Value (IPLV) of up to 15.00. EAA 2-Stage models are available in cooling capacities of 3½, 4 and 5 tons (42,000 to 60,000 BTUH).

➤ Outside Air for Ventilation or Free Cooling

A full range of accessories and options allows Eubank heat pumps to be optimized for each application. For classrooms, a complete range of ventilation options are available to meet the fresh air requirements of the ASHRAE 62 standard, "Ventilation for Acceptable Indoor Air Quality". Where cooling is required during cool or cold weather, e.g., telecommunications shelters, a factory installed economizer should be used. To insure proper operation and optimum performance, all outside air ventilation packages are non-removable, factory installed and factory calibrated.

➤ Safety Listed and Energy Certified

All Eubank heat pumps are built to UL standard 1995, 4th edition and CAN/CSA C22.2, No. 236-11. For energy efficiency and performance, the units are tested and rated in accordance to the ANSI/AHRI (Air-Conditioning Heating and Refrigeration Institute) Standard 390 (Single Package Vertical Units). All units meet or exceed the efficiency requirements of ANSI/ASHRAE/IESNA 90.1.2016. Eubank heat pumps are commercial units and are not intended for use in residential applications.



EAA1042H



FEATURES AND BENEFITS

Meets DOE Efficiency Requirements

- All Models 11EER
- All Models 3.3 COP

R-410A Refrigerant

- Efficient Heat Release
- Non-Ozone Depleting Refrigerant
- Synthetic Lubricant
- Reduced Compressor Wear

High Efficiency and Reliability

- No Wall Mount Heat Pump is More Efficient
- Optional Economizer Reduces Energy Usage
- High Efficiency Compressor and Lanced Coil Fins
- High/Low Pressure Switches with Lockout & Short Cycle Protection

Ease of Installation and Service

- Single Point Power Entry
- Built-In Mounting Flanges and Internal Disconnect
- Standard Access Valves and Filters, Status LEDs

Eubank® Heat Pump Features

► High Efficiency

- Scroll compressors are standard on all units.
- Lanced fins and rifled tubing on the indoor & outdoor coils maximize heat transfer.
- Electronically commutated indoor blower motor on all models

► Engineered Reliability

- PC board simplifies wiring, consolidates several of the electrical functions in one device.
- High refrigerant pressure switch with lockout relay protects the compressor in the event of insufficient condenser air flow.
- Loss of charge pressure switch with lockout relay protects the compressor in the event of a loss of refrigerant or inadequate evaporator air flow.
- Time delay for short cycle protection.

► Ease of Installation

- Sloped top with flashing eliminates need of rain hood.
- Built-in mounting flanges facilitate installation and minimize chance of water leaks.
- Factory installed phase monitor is standard on all 3Ø units and will turn the air conditioner off if power supply is not phased properly.
- Factory installed disconnect on all units, including 460v. models.
- Outside air hood included with each unit.
- Single Point Power Entry complies with latest edition of U.L. Standard 1995.

► Rugged Construction

- Baked on beige finish over galvaneel steel on exterior sheet metal.
- Copper tube, aluminum fin evaporator and condenser coils.
- Corrosion resistant Dacromet® external fasteners.

► Designed for Operation on Generator Power

- All Eubank single & three phase air conditioners are designed to operate on Generator Power. See *Summary Electrical Ratings* for your specific model

► Ease of Service

- LED's on the control board indicate operational status and fault conditions.
- Refrigerant access valves are standard
- All major components are readily accessible
- Front control panel allows easy access and complies with NEC clearance codes on side by side units.
- Major components accessible from either side.

Options for Outside Air for Ventilation

ASHRAE standard 62 requires 15 cfm of outside air per occupant of a classroom. To meet this requirement, Eubank® offers seven ventilation packages for every budget and requirement.

► Configuration “C”: Up to 100% Modulating Economizer

The economizer reduces the cost of air conditioning by using outside air when acceptable to cool the room (Free Cooling). The factory installed Eubank economizer has integral pressure relief.

Control Board Logic: Upon a “Call for Cooling”, the economizer control board calculates whether the HVAC operates in economizer mode or mechanical cooling mode based on outdoor temperature (dry bulb) or temperature/humidity (enthalpy). When outdoor conditions are favorable for economizer cooling, the damper drives open and modulates to maintain a 55°F mixed air temperature through the supply grille. When outdoor conditions are not favorable for economizer cooling, the economizer damper remains closed, and the HVAC unit will operate in mechanical cooling mode.

Features Designed for Telecommunication applications:

Hydrogen Fault Input: When 24VAC is applied to the H_FLT input, the economizer board forces the damper to open 100% for emergency ventilation. The compressor does not operate during Hydrogen Fault/Emergency Ventilation. Thermostat must provide the fan “G” signal to HVAC to activate the indoor blower.

Forced Mechanical Cooling: When 24VAC is applied to the FC input of the economizer board, the economizer damper is forced closed, and the HVAC will operate in mechanical cooling mode. This is considered as economizer override in the event economizer cooling is not sufficient for the heat load. Thermostat must provide the fan “G” signal to HVAC to activate the indoor blower.

Economizer Status: The economizer board has contacts that when used with the Marvair CommStat 4 Telecom HVAC Controller, change state to provide feedback to the CommStat 4 to indicate when the HVAC is in economizer mode versus mechanical cooling mode. This feedback allows the CommStat 4 to initiate the forced cooling feature to override economizer cooling and force mechanical cooling.

When used with minimum position potentiometer (optional), the Eubank economizer can meet requirements of ASHRAE Std. 62.

➤ **Configuration “D”: Two-Position Motorized Fresh Air Damper w/Pressure Relief Ventilation**

Factory Installed Relay Logic: Upon a “Call for indoor blower” via a 24V signal (G), the motorized damper opens to a maximum of 50% of the fully open position. The open position can be decreased from 50% by adjusting the rod position on the drive linkage. In this case, the damper will not open unless there’s a call for the indoor blower.

Note: This circuit does not interrupt the compressor or heater operation.

➤ **Configuration “E”: Two-Position Motorized Fresh Air Damper w/Pressure Relief Ventilation & Independent Control**

Factory Installed Relay Logic: Upon a “Call for Motorized damper” via a 24V signal from an external user-installed device, the motorized damper opens to a maximum of 50% of the fully open position. The open position can be decreased from 50% by adjusting the rod position on the drive linkage.

The motorized damper Does NOT open when there is a call for the indoor fan (G). A 24VAC signal {sourced from LVTB pin 10 and supplied through a user-provided Normally Open (NO) contact} activates (opens) the Motorized Damper and connected Relief Damper. When the 24VAC signal is removed, the Motorized Damper and connected Relief Damper close (spring return).

Note: This circuit does not interrupt the compressor or heater operation.

➤ **Configuration “N”: Barometric Fresh Air Damper (Standard)**

Barometric damper capable of up to 15% of rated airflow of outside air; field adjustable, no pressure relief.

Heat Pump PC Board

Every Eubank heat pump has a PC board that controls the operation of the indoor blower, the compressor and the reversing valve while providing high refrigerant pressure and loss of refrigerant protection with an integral defrost function. In addition, the board has user selectable pins and potentiometers for multi-function control.

➤ **High & Loss of Refrigerant Protection**

If either of these fault conditions occur twice within an one hour, the control board will enter into and indicate the lockout mode. In the lockout mode, the compressor will not operate, the alarm output is energized and the red LED will blink to indicate which fault has occurred. The user can select either Normally Open or Normally Closed contacts.

➤ **Compressor Anti-Short Cycle Protection**

An integral three minute delay prevents compressor from destructive short cycling.

➤ **Loss of Refrigerant By-pass Timer**

To prevent nuisance fault alarms, the board ignores a loss of charge fault for three minutes on start-up of the compressor.

➤ **Defrost Control**

The defrost cycle removes ice build-up on the outdoor coil during the heating cycle. If the defrost sensor senses a coil temperature of 32°F while in the heat mode, a 30, 60 or 90 minute (user selectable) delay period will begin. After the delay period if the sensor is still calling for a defrost cycle, the outdoor fan will be stopped and the reversing valve energized. The defrost cycle will stop if the defrost sensor registers a temperature of 50°F or after 10 minutes. By moving the EHDD pin, the user can have electric heat operate during the defrost cycle or not operate.

➤ **Electric Heat During Defrost (EHDD)**

The control board has an EHDD jumper pin marked YES or NO. When the YES pins are jumped, electric heat WILL operate during a defrost cycle. When the NO pins are jumped, electric heat will NOT operate during a defrost cycle.

Note: When EHDD is set to YES, the S-circuit jumpers must be set to NO.

➤ **S-Circuit**

The control board has an S-CIRCUIT jumper pin marked YES or NO. When the YES pins are jumped, electric heat will NOT operate with the compressor. When the NO pins are jumped, electric heat WILL operate with the compressor.

Note: When S-Circuit is set to YES, the EHDD jumpers must be set to NO.

➤ **Indoor Blower Speed Control**

A speed control potentiometer mounted on the board allows the user to vary the blower speed on the EAA heat pumps from 40% to 100% of rated air flow. (Not applicable on models with the electronically commutated indoor blower motor).

➤ **Ventilation Damper Relay**

The control board has an DRO/DRC jumper pin marked YES and NO. When the YES pins are jumped, the “D” Damper will drive open when the indoor fan operates. When the NO pins are jumped, the “D” Damper will NOT drive open when the indoor fan operates. This control is for two position - Open & Closed motorized fresh air damper (Ventilation Configuration “D”). Independent damper control from an external input such as a time clock, CO2 sensor, energy management system or a manual switch upon request.

Protection of the Refrigerant Components

➤ High Refrigerant Pressure Switch

The high pressure switch is located on the liquid line. It is electrically connected to the PC board and will turn the compressor off if the pressure rises above the set point twice within one hour. This protects the compressor if airflow is significantly reduced or lost through the coil performing the condenser function.

➤ Loss of Charge Switch

The loss of charge switch is located on the liquid line. It is electrically connected to the PC board and will turn the compressor off if the pressure drops below the set point twice within one hour. This protects the compressor if airflow is significantly reduced or lost through the coil performing the evaporator function or there is a loss of refrigerant.

Eubank EAA Heat Pump Options

Eubank® options can be used to provide optimum performance over a full range of operating conditions.

➤ Adjustable Outdoor Thermostat

Will not allow electric resistance heat to be energized unless the outdoor temperature is below the desired set point. Field or factory installed. Available on all EAA units.

➤ Energy Management System (EMS) Relay Kit

Relay to control the unit. Available in 24, 120 or 240 VAC. Field or factory installed.

➤ Electric Reheat

Control provides simultaneous operation of compressor when in cooling mode and the electric elements to provide dehumidification without over cooling the room. The electric element (kW) must be properly sized for each model for proper operation. Factory installed. Available on all EAA units. Consult factory for details.

➤ Compressor Sound Jackets

Reduces sound of compressor.

Special Application Packages and Coil Coatings

➤ Protective Coating Packages

Typically, only non-economizer units are used in corrosive environments, but all Eubank air conditioner are available with corrosion protection. Two corrosion protection packages are offered - one for the condenser section (Coastal Environmental Package) and the other for the entire unit (Coat-All Package).

The Coastal Environmental Package includes:

- Corrosion resistant fasteners
- Sealed or partially sealed condenser fan motor
- Protective coating applied to all exposed internal copper and metal in the condenser section
- Protective coating on the condenser coil (Luvata Insitu®) contains ES2 (embedded stainless steel pigment) technology.

The Coat all Package includes all of the above, plus:

- Protective coating on the evaporator coil (Luvata Insitu®) contains ES2 (embedded stainless steel pigment) technology
- Protective coating on exterior and interior components and sheet metal.

Note 1: The insulated internal sheet metal and the internal control box are not coated.

Note 2: The corrosion prevention coating can not be applied to stainless steel.

➤ Protective Coil Coatings

The Condenser Coil or the Evaporator Coil or Both can be coated. Coating the Evaporator Coil is not common. For harsh conditions, e.g., power plants, paper mills or sites where the unit will be exposed to salt water, the coils should be protected by a protective coating.

Note: Cooling capacity may be reduced by up to 5% on units with coated coils.

Accessories

➤ Thermostats for Single Stage Heat Pumps (no electric heat)

Digital, Seven Day Programmable ThermostatP/N 50123
1 stage heat, 1 stage cool. Fan switch: Auto & On. Auto-changeover. Keypad lockout. Non-volatile program memory. Title 24 compliant.

Digital, Non-Programmable ThermostatP/N 50186
One stage cool/One stage heat. Manual or auto changeover. Fan mode: Auto or On. Permanent retention of settings upon power loss. Field adjustable temperature calibration. Max heat and minimum cool set points. Adjustable temperature differential. Remote sensor capable. Keypad lock out. Status LED. °F or °C selectable.

➤ **Thermostats for Heat Pumps with 2-Stage Heat**

Digital, 7 Day, 5-2 and 5-1-1 Day Programmable Thermostat.....P/N 50107
Two stage heat/Two stage cool. Manual or auto changeover. Fan: Auto & On. Permanent retention of setting on power loss. Field adjustable temperature calibration. Adjustable max. setpoint for heating and min. adjustable setpoints for cooling. Adjustable temperature differential. Keypad lockout. Status LED. °F or °C selectable. Title 24 compliant.

Digital, 7 Day, 2 Occupied & 2 Unoccupied Periods for Each Day of the Week Programmable Thermostat.....P/N 50248
Three stage heat/Three stage cool. Manual or auto changeover. Fan: Auto & On. Ten year retention of programming settings and 48 hour clock and day settings on power loss. Adjustable max. setpoint for heating and min. adjustable setpoints for cooling. Adjustable temperature differential. Keypad lockout. Status LED. °F or °C selectable. Optional remote sensors for outdoor air, supply air and humidity. Title 24 compliant.

➤ **MAR7000 Thermostat/Controller**

The MAR7000 thermostat/controller is a stand alone, self-programming HVAC controller designed to optimize performance of Eubank's heat pumps and air conditioners. It can function as an independent controller or be used in conjunction with a BACnet network.

With built-in temperature, humidity sensors, motion sensing and an optional CO2 detection sensor, the MAR7000 can control:

- Temperature and humidity,
- Single or 2-stage air conditioners or heat pumps with supplemental hot water or electric heat,
- Hot gas dehumidification operation,
- An economizer cycle, and
- Eubank's various ventilation options including the GreenWheel® Energy Recovery Ventilator.



The intelligent occupancy anticipation feature of the MAR7000 automatically programs occupied and unoccupied settings for temperature, humidity, and ventilation requirements. The ventilation control can be based on occupancy, demand, time, or a combination of these features. When vacant, the thermostat automatically reduces the run time of the unit and adjusts ventilation to save energy. The intelligent occupancy feature can be turned off, and the MAR7000 can be connected to a BACnet control system for remote control and operation of Eubank heat pumps or air conditioners. The MAR7000 thermostat includes a precise, real time clock with capacitor back up to maintain the program and set points for extended power outages.

Features include:

- User-friendly English-language menus (no obscure numeric codes) on a 64 x 128 pixel, dot-matrix LCD display with 5 buttons for data selection and entry,
- Built-in, factory-tested libraries of configurable application control sequences,
- Schedules that can easily be set uniquely by weekdays (Mon.–Fri.), weekend (Sat.–Sun.), entire week (Mon.–Sun.), individual days, and/or holidays,
- Six On/Off and independent heating and cooling set point periods are available per day, and
- Three levels of password-protected access (user/operator/administrator) prevent disruption of operation and configuration

➤ **Thermostat Guards**

Clear Thermostat Guard with Keylock & Clear Plastic Cover & Base.....P/N 50092
For use with 50123, 50186 and 50107 thermostats.

Clear Thermostat Guard with Keylock & Clear Plastic Cover & Base.....P/N 50119
For use with 50248 thermostat.

➤ **Humidity Controller**

Digital Humidity Controller.....P/N 51731
To be used with units with Hot Gas or electric reheat. Programmable dehumidistat, ventilation control. Permanent memory retention of set points. Humidity sensor can be field calibrated. High & low dehumidification set points. Outdoor temperature and humidity sensor included. °F or °C selectable.

➤ Grilles

Description	Size	Eubank P/N
<i>For the EAA1042H/1048H/1060H & EAA2042H/2048H/2060H</i>		
Double Deflection, Aluminum Supply Grille	30" x 10" (762mm x 254mm)	80676
Aluminum Return Grille	30" x 16" (762mm x 406mm)	80679
Return Filter Grille	30" x 16" (762mm x 406mm)	80673
Note: Return filter grilles should be used when the 2" (51mm) filter in the EAA unit is not accessible from the exterior of the building. Filter used in the return filter grille is a 1" (25mm) thick filter. The return filter grille is not recommended for use with the EAA heat pumps with economizers.		

EER Comparison by Model

Nominal Cooling Capacity (BTUH)	Basic Model	EER
42,000	EAA1042H	11.00
	EAA2042H	11.00
48,000	EAA1048H	11.00
	EAA2048H	11.00
60,000	EAA1060H	11.00
	EAA2060H	11.00

Air Flow (Cubic Feet per Minute)

Model Number	External Static Pressure (WET COIL)					
	0.10	0.20	0.25	0.30	0.40	0.50
EAA1042H/2042H		1650	1585	1520	1450	1360
EAA1048H/2048H		1693	1650	1619	1591	1529
EAA1060H/2060H		1693	1650	1619	1591	1529
Air flow ratings of 208-230v. Units are at 230v. Air flow ratings of 480 v. units are at 460 volts. Operation of units at a different voltage from the rating point will affect air flow.						

Eubank Heat Pump Model Identification

Example	E	A	A	1	0	4	2	H	A	0	5	0	C	+	+	+	+	1	C	A	+	A	1	1	+	+	+	+	+	+															
Position	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30															
1	Unit Designation/Family				E = Eubank Wall Mount S = Stock Unit											17	Indoor Air Quality Features				A = UV Light D = Dry Bulb Sensor E = Dry Bulb Sensor w/Dirty Filter G = Dirty Filter Sensor + = None \$ = Special																								
2	Energy Efficiency Ratio (EER)				A = 11												18	Air Flow				1 = Top Supply/Bottom Return \$ = Special																							
3	Refrigerant Type				A = R-410a													19	Compressor Access				C = Center/Front																						
4	Compressor Type/Quantity				1 = Single Stage Compressor 2 = 2-Stage Compressor														Filter Option				A = 2" Pleated (MERV 8, AC/HP-C) C = 2" Charcoal D = MERV 11 High Filtration Package E = MERV 13 High Filtration Package F = Filter Access Through Return Air Grille W = Aluminum Washable + = None \$ = Special																						
5	Unit Capacity/Nominal Cooling (BTUH)				042 = 42,000 048 = 48,000 060 = 60,000											20	Corrosion Protection				A = Condenser Coil Only C = Evaporator Coil Only D = Both Coils Condenser & Evaporator E = All Coils Cond/Evap/Reheat F = Coat All G = Coastal Package & Evaporator Coil K = Coastal Package + = None \$ = Special																								
6					System Type				H = Heat Pump																																				
7									Power Supply (Volts-Phase-Hz)				A = 208/230-60-1 C = 208/230-60-3																			D = 460-60-3													
8	Heat Designation @ Rated Voltage				000 = No Heat 040 = 4KW 050 = 5KW 060 = 6KW 080 = 8KW												090 = 9KW 100 = 10KW 120 = 12KW 150 = 15KW				21	Engineering Revision Level				B1																			
9					Ventilation Configuration				C = Economizer D = Motorized Damper w/Pressure Relief E = Motorized Damper w/Pressure Relief & Independent Motorized Damper Control N = Barometric Damper w/15% OSA + = None \$ = Special																																				
10									Dehumidification				G = Hot Gas Reheat R = Electric Reheat T = Electric Reheat w/Humidity Control + = None \$ = Special																																
11	Controls				A = Power Fail Alarm w/Additional Lockouts C = 24V EMS Relay Kit D = 24V EMS Relay Kit w/Factory Installed T-Stat E = Factory Installed T-Stat + = None \$ = Special											22	Cabinet Color					1 = Marvair Beige 2 = Gray 3 = Carlsbad Canyon 4 = White 5 = Stainless Steel Exterior 6 = Dark Bronze 7 = .050 Aluminum Stucco 9 = Pebble Gray A = Stainless Steel - Unit \$ = Custom Color (Powder Coat)																							
12					Operating Condition				A = Evaporator Freeze Sensor (EFS) C = EFS w/Hot Gas Bypass N = Hard Start P = Hard Start w/Low Ambient & CCH Q = Hard Start w/Low Ambient & Fan Cycle Control (FCC) R = Crank Case Heater (CCH) T = Hard Start w/EFS U = Hard Start w/Hot Gas Bypass V = Hard Start w/Low Ambient & CCH & EFS W = Low Ambient w/CCH X = Hot Gas Bypass Y = Low Ambient w/CCH & FCC Z = Low Ambient w/CCH & EFS 1 = Low Ambient w/FCC 2 = Low Ambient w/FCC & EFS 3 = CCH w/Hot Gas Bypass + = None \$ = Special												2 = Compressor Blanket + = None																								
															23						Security Option												A = Lockable Access Plate/Tamper Proof C = Tamper Proof Screws D = Lockable Access Plate w/Tamper Proof + = None \$ = Special												
																	Fastener/Drain Pan Option								A = Stainless Steel Fasteners C = Stainless Steel Drain Pan D = Stainless Steel Fasteners & Drain Pan + = None \$ = Special																				
																Unused																												+ = None \$ = Special	
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															24	Special Variation				+ = None \$ = Special Configuration Not Covered by Model Nomenclature																									

Note: Not all options are available with all configurations. Contact your Eubank sales representative for configuration details and feature compatibility.

Eubank EAA Single Stage Heat Pump Certified Ratings & Performance

Certified Efficiency and Capacity Ratings at ANSI/AHRI Standard 390 - EAA Heat Pumps

Model Number	EAA1042H			EAA1048H			EAA1060H		
	A	C	D	A	C	D	A	C	D
Cooling BTUH ¹	40,000			46,000			54,000		
EER ²	11.00			11.00			11.00		
High Temperature Heating ³	34,000			42,000			48,000		
High Temperature COP ⁴	3.30			3.30			3.30		
Rated Air Flow (CFM ⁵)	1,350			1,700			1,800		

¹Cooling is rated at 95°F (35°C) outdoor and 80°F DB/67°F WB (26.5°C DB/19.5°C WB) return air.

²EER = Energy Efficiency Ratio

³High Temperature Heating & COP are rated at 47°F DB/43°WB (8.3°C DB/6.1°C WB) outdoor and 70°F (21.1°C) return air.

⁴COP = Coefficient of Performance

⁵CFM = Cubic Feet per Minute

Ratings are with no outside air. Performance will be affected by altitude. Ratings are at 230 volts for 208/230 volt units ("A" & "C" models) and 460 volts for "D" models.

Operation of units at a different voltage from that of the rating point will affect performance and air flow.

Sensible Total Heat Ratio @ 95°F (35°C) Outside Air DB - EAA Heat Pumps

Model Number	EAA1042H			EAA1048H			EAA1060H		
	A	C	D	A	C	D	A	C	D
Total Capacity	40,000			46,000			54,000		
Sensible Heat Ratio	0.67			0.67			0.67		
Sensible Capacity	27,000			31,000			36,500		
Rated Air Flow (CFM ¹)	1,350			1,700			1,800		

¹CFM=Cubic Feet per Minute

Sensible Heat Ratios based upon ANSI/AHRI std. 390 outdoor conditions of 95°F (35°C) outdoor and 80°F DB/67°F WB (26.5°C DB/19.5°C WB) return air.

Cooling Performance (BTUH) at Various Outdoor Temperatures - EAA Heat Pumps

Model Number	Outdoor Temperature											
	75°F/24°C	80°F/26.5°C	85°F/29°C	90°F/32°C	95°F/35°C	100°F/38°C	105°F/40.5°C	110°F/43.3°C	115°F/46°C	120°F/49°C	125°F/52°C	130°F/54°C
EAA1042H	46,400	44,800	43,200	41,600	40,000	38,400	36,800	35,200	34,400	32,000	30,400	28,800
EAA1048H	53,360	51,520	49,680	47,840	46,000	44,160	42,320	40,480	39,560	36,800	34,960	33,120
EAA1060H	62,640	60,480	58,320	56,160	54,000	51,840	49,680	47,520	46,440	43,200	41,040	38,880

Based upon ANSI/AHRI std. 390 return air conditions of 80°F DB/67°F WB (26.5°C DB/19.5°C WB). Return air at rated air flow.

Heating Performance (BTUH) at Various Outdoor Temperatures - EAA Heat Pumps

Model Number	Outdoor Temperature								
	10°F/-12.2°C	17°F/-8.3°C	20°F/-6.7°C	30°F/-1.1°C	40°F/4.4°C	47°F/8.3°C	50°F/10°C	60°F/15.6°C	70°F/21.1°C
EAA1042H	18,700	22,000	23,340	28,030	32,050	35,400	36,462	38,055	39,825
EAA1048H	20,400	24,000	25,800	32,100	37,500	42,000	43,260	45,150	47,250
EAA1060H	28,050	33,000	34,500	39,750	44,250	48,000	49,440	51,600	54,000

Based upon ANSI/AHRI std. 390 return air conditions of 70°F DB (21.1°C DB). Return air at rated air flow.

Electrical Characteristics - Compressor, Fan, Ventilation & Blower Motors

Model Number	COMPRESSOR			OTHER MOTORS	OUTDOOR FAN MOTOR			INDOOR BLOWER MOTOR		
	VOLTS-HZ-PH	RLA ¹	LRA ²	VOLTS-HZ-PH	RPM ³	FLA ⁴	HP ⁵	RPM ³	FLA ⁴	HP ⁵
EAA1042HA	208/230-60-1	17.92	112.00	208/230-60-1	1,200	5.30	1/2	1,050	7.30	3/4
EAA1048HA	208/230-60-1	19.60	130.00	208/230-60-1	1,200	5.30	1/2	1,050	7.30	3/4
EAA1060HA	208/230-60-1	26.20	134.00	208/230-60-1	1,200	6.30	3/4	1,050	7.30	3/4
EAA1042HC	208/230-60-3	13.50	88.00	208/230-60-1	1,200	5.30	1/2	1,050	7.30	3/4
EAA1048HC	208/230-60-3	13.70	83.10	208/230-60-1	1,200	5.30	1/2	1,050	7.30	3/4
EAA1060HC	208/230-60-3	15.60	110.00	208/230-60-1	1,200	6.30	3/4	1,050	7.30	3/4
EAA1042HD	460-60-3	6.00	44.00	208/230-60-1	1,200	5.30	1/2	1,050	7.30	3/4
EAA1048HD	460-60-3	6.20	41.00	208/230-60-1	1,200	5.30	1/2	1,050	7.30	3/4
EAA1060HD	460-60-3	7.74	52.00	208/230-60-1	1,200	6.30	3/4	1,050	7.30	3/4

¹RLA = Rated Load Amps ²LRA = Locked Rotor Amps ³RPM = Revolutions per Minute ⁴FLA = Full Load Amps ⁵HP = Horsepower
⁶OAM = Outside Air Mover ⁷EXM = Exhaust Air Mover ⁸WD = Wheel Drive Motor
The 460 volt units have a step down transformer for the 230 volt motors.

EAA Heat Pumps Summary Electrical Ratings (Wire and HACR Circuit Breaker Sizing) - Ventilation Configuration:

C: Economizer, Outside Air with Pressure Relief

D: Motorized 2-Position Damper, up to 450 CFM of Outside Air w/Pressure Relief

E: Motorized Damper w/Pressure Relief & Independent Motorized Damper Control

N: Barometric Damper, up to 15% Outside Air

ELECTRIC HEAT		000 = None		040 = 4 kw		050 = 5 kw		060 = 6 kw		080 = 8 kw		090 = 9 kw		100 = 10 kw		120 = 12 kw		150 = 15 kw	
BASIC MODEL	VOLTS-HZ-PH	SPPE ³		SPPE ³		SPPE ³		SPPE ³		SPPE ³		SPPE ³		SPPE ³		SPPE ³		SPPE ³	
		MCA ¹	MFS ²	MCA ¹	MFS ²	MCA ¹	MFS ²	MCA ¹	MFS ²	MCA ¹	MFS ²	MCA ¹	MFS ²	MCA ¹	MFS ²	MCA ¹	MFS ²	MCA ¹	MFS ²
EAA1042HA	208/230-60-1	35.0	50			61.0	70							87.1	90	97.5	100	113.0	120
EAA1048HA	208/230-60-1	39.8	60			65.8	70							91.9	100	102.3	110	117.9	120
EAA1060HA	208/230-60-1	46.4	70			72.4	80							98.4	100	108.9	110	124.5	130
EAA1042HC	208/230-60-3	29.5	40					47.5	50			56.6	60			65.6	70	74.6	80
EAA1048HC	208/230-60-3	29.7	40					47.8	50			56.8	60			65.6	70	74.9	80
EAA1060HC	208/230-60-3	33.1	45					51.2	60			60.2	70			69.2	70	78.3	80
EAA1042HD	460-60-3	13.7	15					22.8	25			27.3	30			31.8	35	36.3	40
EAA1048HD	460-60-3	14.1	20					23.1	25			27.6	30			32.1	35	36.6	40
EAA1060HD	460-60-3	16.5	20					25.5	30			30.0	35			34.5	35	39.1	40

S-Circuit - The user can move a pin on the board to control whether the electric heat will operate simultaneously with the compressor (S Circuit - NO) or will not run simultaneously with the compressor (S Circuit - Yes).

¹MCA = Minimum Circuit Ampacity (Wiring Size Amps) ²MFS = Maximum Fuse or HACR Breaker Size ³SPPE = Single Point Power Entry

MCA & MFS are calculated at 230 volts on the 208-230v. (HPA & HPC) models. The 460 volt HPD models are calculated at 460 volts. This chart should only be used as a guideline for estimating conductor size and overcurrent protection. For the requirements of specific units, always refer to the data label on the unit.

EAA Heat Pumps Summary Electrical Ratings (Wire and HACR Circuit Breaker Sizing) - EAA Heat Pumps with the “S” Circuit Jumper Set to “Yes” and Ventilation Configuration:
C: Economizer, Outside Air with Pressure Relief
D: Motorized 2-Position Damper, up to 450 CFM of Outside Air w/Pressure Relief
E: Motorized Damper w/Pressure Relief & Independent Motorized Damper Control
N: Barometric Damper, up to 15% Outside Air

ELECTRIC HEAT		000 = None		040 = 4 kw		050 = 5 kw		060 = 6 kw		080 = 8 kw		090 = 9 kw		100 = 10 kw		120 = 12 kw		150 = 15 kw	
		SPPE ³		SPPE ³		SPPE ³		SPPE ³		SPPE ³		SPPE ³		SPPE ³		SPPE ³		SPPE ³	
BASIC MODEL	VOLTS-HZ-PH	MCA ¹	MFS ²	MCA ¹	MFS ²	MCA ¹	MFS ²	MCA ¹	MFS ²	MCA ¹	MFS ²	MCA ¹	MFS ²	MCA ¹	MFS ²	MCA ¹	MFS ²	MCA ¹	MFS ²
EEA1042HA	208/230-60-1	35.0	50			35.0	50							59.4	60	69.8	70	85.4	90
EEA1048HA	208/230-60-1	39.8	60			39.8	60							59.4	60	69.8	70	85.4	90
EEA1060HA	208/230-60-1	46.4	70			46.4	70							59.4	60	69.8	70	85.4	90
EEA1042HC	208/230-60-3	29.5	40					29.5	40			34.4	40			43.4	45	52.5	60
EEA1048HC	208/230-60-3	29.7	40					29.7	40			34.4	40			43.4	45	52.5	60
EEA1060HC	208/230-60-3	33.1	45					33.1	45			34.4	45			43.4	45	52.5	60
EEA1042HD	460-60-3	13.7	15					13.7	15			17.1	20			21.7	25	26.2	30
EEA1048HD	460-60-3	14.1	20					14.1	20			17.1	20			21.7	25	26.2	30
EEA1060HD	460-60-3	16.5	20					16.5	20			17.1	20			21.7	25	26.2	30

S-Circuit - The user can move a pin on the board to control whether the electric heat will operate simultaneously with the compressor (S Circuit – NO) or will not run simultaneously with the compressor (S Circuit – Yes).
¹MCA = Minimum Circuit Ampacity (Wiring Size Amps) ²MFS = Maximum Fuse or HACR Breaker Size ³SPPE = Single Point Power Entry
MCA & MFS are calculated at 230 volts on the 208-230v. (HPA & HPC) models. The 460 volt HPD models are calculated at 460 volts. This chart should only be used as a guideline for estimating conductor size and overcurrent protection. For the requirements of specific units, always refer to the data label on the unit.

Unit Load Amps (Heating) -

EAA Heat Pumps with Ventilation Configurations:

C: Economizer, Outside Air with Pressure Relief

D: Motorized 2-Position Damper, up to 450 CFM of Outside Air w/Pressure Relief

E: Motorized Damper w/Pressure Relief & Independent Motorized Damper Control

N: Barometric Damper, up to 15% Outside Air

MODEL NUMBER	VOLTAGE HERTZ PHASE	CURRENT (AMPS)		LOAD OF RESISTIVE HEATING - ELEMENTS ONLY (AMPS) ALL HEATING ELEMENTS ARE ON A SEPARATE CIRCUIT								TOTAL MAXIMUM HEATING AMPS INCLUDES AMPS FROM MOTOR(S) THAT ARE LOCATED ON AN ELECTRICAL CIRCUIT THAT DOES NOT HAVE HEATERS							
		HP ¹	IBM ²																
				04 kW	05 kW	06 kW	08 kW	09 kW	10 kW	12 kW	15 kW	04 Kw	05 Kw	06 Kw	08 Kw	09 Kw	10 Kw	12 Kw	15 Kw
EEA1042HA	208/230-60-1	30.5	7.3		20.8				41.7	50.0	62.5		28.1				49.0	57.3	69.8
EEA1048HA	208/230-60-1	32.2	7.3		20.8				41.7	50.0	62.5		28.1				49.0	57.3	69.8
EEA1060HA	208/230-60-1	59.0	7.3		20.8					50.0	62.5		28.1				49.0	57.3	69.8
EEA1042HC	208/230-60-3	26.1	7.3			14.4		21.7		28.9	36.1			21.7		29.0		36.2	43.4
EEA1048HC	208/230-60-3	26.3	7.3			14.4		21.7		28.9	36.1			21.7		29.0		36.2	43.4
EEA1060HC	208/230-60-3	28.2	7.3			14.4		21.7		28.9	36.1			21.7		29.0		36.2	43.4
EEA1042HD	460-60-3	12.8	3.6			7.2		10.8		14.4	18.0			10.8		14.4		18.0	21.6
EEA1048HD	460-60-3	13.0	3.6			7.2		10.8		14.4	18.0			10.8		14.4		18.0	21.6
EEA1060HD	460-60-3	14.5	3.6			7.2		10.8		14.4	18.0			10.8		14.4		18.0	21.6

¹HP = Heat Pump Unit Amps (includes Indoor Motor amps) ²IBM = Indoor Blower Motor

Heating kW is rated at 240 volts on the 208-230v. (HPA & HPC) models. Derate heater output by 25% for operation at 208 volts. Heating kW is rated at 480 volts on the HPD models.

Total heating amps for single phase units with two circuits (#1 and #2) includes both circuits. Total heating and cooling amps includes all motors. Three phase models contain single phase motor loads. Values shown are maximum phase loads. Loads are not equally balanced on each phase.

Eubank EAA 2-Stage Heat Pump Certified Ratings & Performance

Certified Efficiency and Capacity Ratings at ANSI/AHRI Standard 390 - EAA Heat Pumps

Model Number	EAA2042H			EAA2048H			EAA2060H	
	A	C	D	A	C	D	C	D
Cooling BTUH ¹	40,000			46,000			54,000	
EER ²	11.00			11.00			11.00	
High Temperature Heating ³	35,400			42,000			48,000	
High Temperature COP ⁴	3.30			3.30			3.30	
Rated Air Flow (CFM ⁵)	1,350			1,700			1,800	

¹Cooling is rated at 95°F (35°C) outdoor and 80°F DB/67°F WB (26.5°C DB/19.5°C WB) return air.
²EER = Energy Efficiency Ratio
³High Temperature Heating & COP are rated at 47°F DB/43°WB (8.3°C DB/6.1°C WB) outdoor and 70°F (21.1°C) return air.
⁴COP = Coefficient of Performance
⁵CFM = Cubic Feet per Minute
Ratings are with no outside air. Performance will be affected by altitude. Ratings are at 230 volts for 208/230 volt units ("A" & "C" models) and 460 volts for "D" models.
Operation of units at a different voltage from that of the rating point will affect performance and air flow.

Sensible Total Heat Ratio @ 95°F (35°C) Outside Air DB - EAA Heat Pumps

Model Number	EAA2042H			EAA2048H			EAA2060H	
	A	C	D	A	C	D	C	D
Total Capacity	40,000			46,000			54,000	
Sensible Heat Ratio	0.68			0.67			0.67	
Sensible Capacity	27,200			31,000			36,500	
Rated Air Flow (CFM ¹)	1,350			1,700			1,800	

¹CFM=Cubic Feet per Minute
Sensible Heat Ratios based upon ANSI/AHRI std. 390 outdoor conditions of 95°F (35°C) outdoor and 80°F DB/67°F WB (26.5°C DB/19.5°C WB) return air.

Cooling Performance (BTUH) at Various Outdoor Temperatures - EAA Heat Pumps

Model Number	Outdoor Temperature											
	75°F/24°C	80°F/26.5°C	85°F/29°C	90°F/32°C	95°F/35°C	100°F/38°C	105°F/40.5°C	110°F/43.3°C	115°F/46°C	120°F/49°C	125°F/52°C	130°F/54°C
EAA2042H	46,400	44,800	43,200	41,600	40,000	38,400	36,800	35,200	34,400	32,000	30,400	28,800
EAA2048H	53,360	51,520	49,680	47,840	46,000	44,160	42,320	40,480	39,560	36,800	34,960	33,120
EAA2060H	62,640	60,480	58,320	56,160	54,000	51,840	49,680	47,520	46,440	43,200	41,040	38,880

Based upon ANSI/AHRI std. 390 return air conditions of 80°F DB/67°F WB (26.5°C DB/19.5°C WB). Return air at rated air flow.

Heating Performance (BTUH) at Various Outdoor Temperatures - EAA Heat Pumps

Model Number	Outdoor Temperature								
	10°F/-12.2°C	17°F/-8.3°C	20°F/-6.7°C	30°F/-1.1°C	40°F/4.4°C	47°F/8.3°C	50°F/10°C	60°F/15.6°C	70°F/21.1°C
EAA2042H	18,700	22,000	23,340	28,030	32,050	35,400	36,462	38,055	39,825
EAA2048H	20,400	24,000	25,800	32,100	37,500	42,000	43,260	45,150	47,250
EAA2060H	28,050	33,000	34,500	39,750	44,250	48,000	49,400	51,600	54,000

Based upon ANSI/AHRI std. 390 return air conditions of 70°F DB (21.1°C DB). Return air at rated air flow.

Electrical Characteristics - Compressor, Fan, Ventilation & Blower Motors

Model Number	COMPRESSOR			OTHER MOTORS	OUTDOOR FAN MOTOR			INDOOR BLOWER MOTOR		
	VOLTS-HZ-PH	RLA ¹	LRA ²	VOLTS-HZ-PH	RPM ³	FLA ⁴	HP ⁵	RPM ³	FLA ⁴	HP ⁵
EAA2042HA	208/230-60-1	17.90	96.00	208/230-60-1	1,200	5.3	1/2	1,050	7.3	3/4
EAA2048HA	208/230-60-1	21.12	104.00	208/230-60-1	1,200	5.3	1/2	1,050	7.3	3/4
EAA2060HA	208/230-60-1	27.07	152.90	208/230-60-1	1,200	6.3	3/4	1,050	7.3	3/4
EAA2042HC	208/230-60-3	14.14	88.00	208/230-60-1	1,200	5.3	1/2	1,050	7.3	3/4
EAA2048HC	208/230-60-3	14.02	83.10	208/230-60-1	1,200	5.3	1/2	1,050	7.3	3/4
EAA2060HC	208/230-60-3	16.50	110.00	208/230-60-1	1,200	6.3	3/4	1,050	7.3	3/4
EAA2042HD	460-60-3	6.21	44.00	208/230-60-1	1,200	5.3	1/2	1,050	7.3	3/4
EAA2048HD	460-60-3	6.40	41.00	208/230-60-1	1,200	5.3	1/2	1,050	7.3	3/4
EAA2060HD	460-60-3	7.20	52.00	208/230-60-1	1,200	6.3	3/4	1,050	7.3	3/4

¹RLA = Rated Load Amps
⁶OAM = Outside Air Mover

²LRA = Locked Rotor Amps
⁷EXM = Exhaust Air Mover

³RPM = Revolutions per Minute
⁸WD = Wheel Drive Motor

⁴FLA = Full Load Amps

⁵HP = Horsepower

The 460 volt units have a step down transformer for the 230 volt motors.

EAA Heat Pumps Summary Electrical Ratings (Wire and HACR Circuit Breaker Sizing) - Ventilation Configuration:

C: Economizer, Outside air with Pressure Relief

D: Motorized 2-Position Damper, up to 450 cfm of Outside Air w/Pressure Relief

N: Barometric Damper, up to 15% Outside Air

ELECTRIC HEAT		000 = None		040 = 4 kw		050 = 5 kw		060 = 6 kw		080 = 8 kw		090 = 9 kw		100 = 10 kw		120 = 12 kw		150 = 15 kw	
BASIC MODEL	VOLTS-HZ-PH	SPPE ³		SPPE ³		SPPE ³		SPPE ³		SPPE ³		SPPE ³		SPPE ³		SPPE ³		SPPE ³	
		MCA ¹	MFS ²	MCA ¹	MFS ²	MCA ¹	MFS ²	MCA ¹	MFS ²	MCA ¹	MFS ²	MCA ¹	MFS ²	MCA ¹	MFS ²	MCA ¹	MFS ²	MCA ¹	MFS ²
EAA2042HA	208/230-60-1	35.0	50	55.8	60	61.0	70	66.3	70	76.7	80			87.1	90	97.5	100	113.1	120
EAA2048HA	208/230-60-1	39.0	70	59.8	70	65.0	70	70.3	80	80.7	90			91.1	100	101.5	110	117.1	120
EAA2060HA	208/230-60-1	47.4	80	68.3	80	73.5	80	78.7	80	89.1	90			99.5	100	109.9	115	125.6	130
EAA2042HC	208/230-60-3	30.3	40					48.3	50			57.4	60			66.4	70	74.5	80
EAA2048HC	208/230-60-3	30.1	40					48.2	50			57.2	60			66.3	70	75.3	80
EAA2060HC	208/230-60-3	34.2	50					52.3	60			61.3	70			70.4	80	79.4	80
EAA2042HD	460-60-3	14.1	20					23.1	25			27.6	30			32.1	35	36.6	40
EAA2048HD	460-60-3	14.3	20					23.3	25			27.8	30			32.4	35	36.9	40
EAA2060HD	460-60-3	15.8	20					24.8	25			29.3	30			33.9	35	38.4	40

S-Circuit - The user can move a pin on the board to control whether the electric heat will operate simultaneously with the compressor (S Circuit - NO) or will not run simultaneously with the compressor (S Circuit - Yes).

¹MCA = Minimum Circuit Ampacity (Wiring Size Amps) ²MFS = Maximum Fuse or HACR Breaker Size ³SPPE = Single Point Power Entry

MCA & MFS are calculated at 230 volts on the 208-230v. (HPA & HPC) models. The 460 volt HPD models are calculated at 460 volts. This chart should only be used as a guideline for estimating conductor size and overcurrent protection. For the requirements of specific units, always refer to the data label on the unit.

EAA Heat Pumps Summary Electrical Ratings (Wire and HACR Circuit Breaker Sizing) - EAA Heat Pumps with the "S" Circuit Jumper Set to "Yes" and Ventilation Configuration:

C: Economizer, Outside air with Pressure Relief

D: Motorized 2-Position Damper, up to 450 cfm of Outside Air w/Pressure Relief

N: Barometric Damper, up to 15% Outside Air

ELECTRIC HEAT		000 = None		040 = 4 kw		050 = 5 kw		060 = 6 kw		080 = 8 kw		090 = 9 kw		100 = 10 kw		120 = 12 kw		150 = 15 kw	
BASIC MODEL	VOLTS-HZ-PH	SPPE ³		SPPE ³		SPPE ³		SPPE ³		SPPE ³		SPPE ³		SPPE ³		SPPE ³		SPPE ³	
		MCA ¹	MFS ²	MCA ¹	MFS ²	MCA ¹	MFS ²	MCA ¹	MFS ²	MCA ¹	MFS ²	MCA ¹	MFS ²	MCA ¹	MFS ²	MCA ¹	MFS ²	MCA ¹	MFS ²
EAA2042HA	208/230-60-1	35.0	50	35.0	50	35.0	50	38.6	50	48.9	50			59.4	60	69.8	70	85.4	90
EAA2048HA	208/230-60-1	39.0	70	39.0	70	39.0	70	39.0	70	48.9	70			59.4	70	69.8	70	85.4	90
EAA2060HA	208/230-60-1	47.4	80	47.4	80	47.4	80	47.4	80	48.9	80			59.4	80	69.8	80	85.4	90
EAA2042HC	208/230-60-3	30.3	40					30.3	40			34.4	40			43.4	45	52.4	60
EAA2048HC	208/230-60-3	30.1	40					30.1	40			34.4	40			43.4	45	52.4	60
EAA2060HC	208/230-60-3	34.2	50					34.2	50			34.4	50			43.4	45	52.4	60
EAA2042HD	460-60-3	14.1	20					14.1	20			17.2	20			21.7	25	26.2	30
EAA2048HD	460-60-3	14.3	20					14.3	20			17.2	20			21.7	25	26.2	30
EAA2060HD	460-60-3	15.8	20					15.8	20			17.2	20			21.7	25	26.2	30

S-Circuit - The user can move a pin on the board to control whether the electric heat will operate simultaneously with the compressor (S Circuit - NO) or will not run simultaneously with the compressor (S Circuit - Yes).

¹MCA = Minimum Circuit Ampacity (Wiring Size Amps) ²MFS = Maximum Fuse or HACR Breaker Size ³SPPE = Single Point Power Entry

MCA & MFS are calculated at 230 volts on the 208-230v. (HPA & HPC) models. The 460 volt HPD models are calculated at 460 volts. This chart should only be used as a guideline for estimating conductor size and overcurrent protection. For the requirements of specific units, always refer to the data label on the unit.

**Unit Load Amps (Heating) -
EAA Heat Pumps with Ventilation Configurations:**
C: Economizer, Outside air with Pressure Relief
D: Motorized 2-Position Damper, up to 450 cfm of outside air w/Pressure Relief
N: Barometric Damper, up to 15% outside air

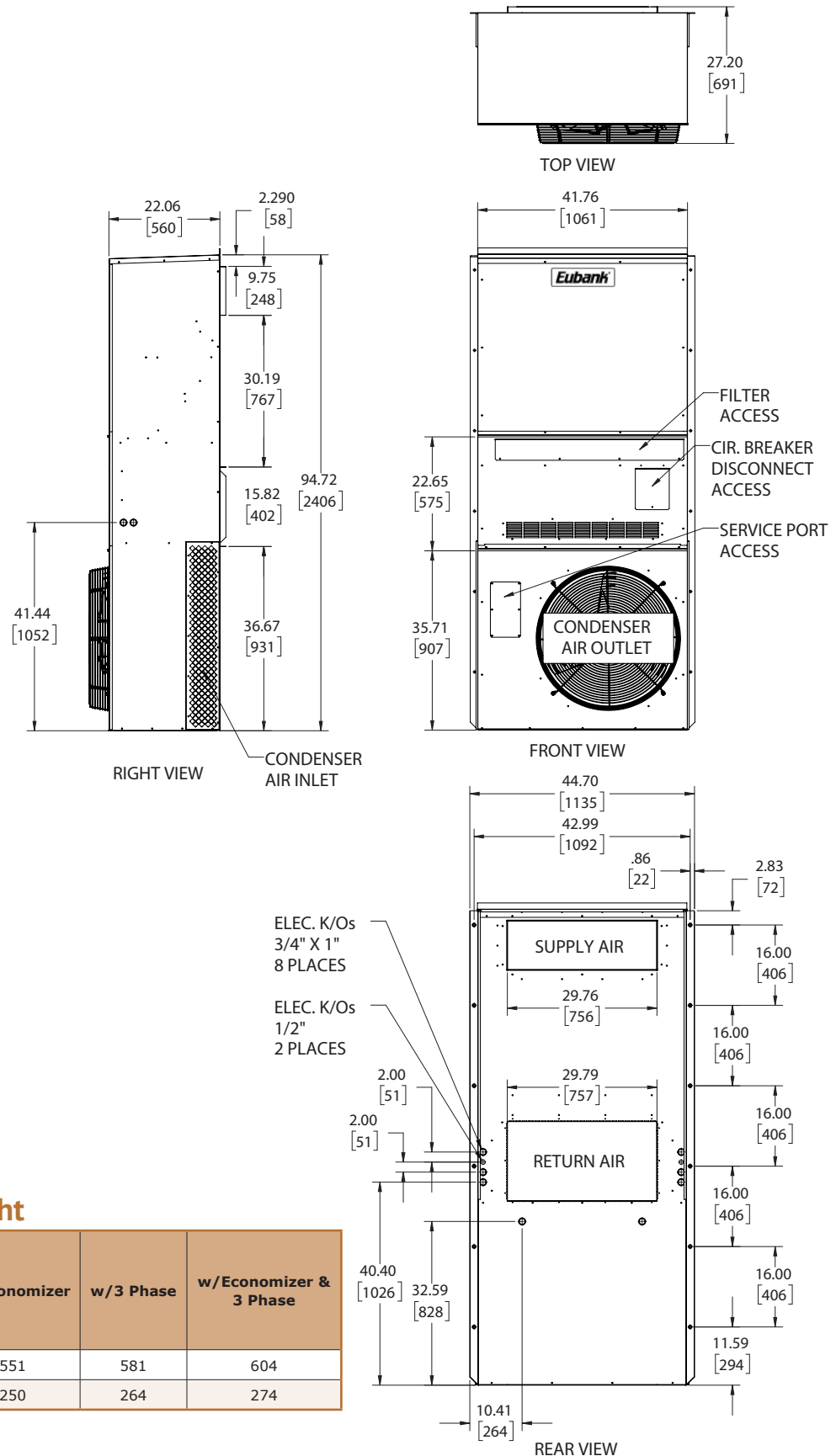
MODEL NUMBER	VOLTAGE PHASE HERTZ	CURRENT (AMPS)		LOAD OF RESISTIVE HEATING - ELEMENTS ONLY (AMPS) (1) ALL HEATING ELEMENTS ARE ON A SEPARATE CIRCUIT (2) SHADED VALUES (12 & 15 kW) UTILIZE TWO CIRCUITS									TOTAL MAXIMUM HEATING AMPS INCLUDES AMPS FROM MOTOR(S) THAT ARE LOCATED ON AN ELECTRICAL CIRCUIT THAT DOES NOT HAVE HEATERS							
		HP ¹	IBM ²	04 kW	05 kW	06 kW	08 kW	09 kW	10 kW	12 kW	15 kW	04 Kw	05 Kw	06 Kw	08 Kw	09 Kw	10 Kw	12 Kw	15 Kw	
EAA2042HA	208/230-60-1	30.5	7.3	16.7	20.8	25.0	33.3		41.7	50.0	62.5	24.0	28.1	32.3	40.6		49.0	57.3	69.8	
EAA2048HA	208/230-60-1	33.7	7.3	16.7	20.8	25.0	33.3		41.7	50.0	62.5	24.0	28.1	32.3	40.6		49.0	57.3	69.8	
EAA2060HA	208/230-60-1	40.7	7.3	16.7	20.8	25.0	33.3		41.7	50.0	62.5	24.0	28.1	32.3	40.6		49.0	57.3	69.8	
EAA2042HC	208/230-60-3	26.7	7.3			14.4		21.7		28.9	36.1			21.7		29.0		36.2	43.4	
EAA2048HC	208/230-60-3	26.6	7.3			14.4		21.7		28.9	36.1			21.7		29.0		36.2	43.4	
EAA2060HC	208/230-60-3	30.1	7.3			14.4		21.7		28.9	36.1			21.7		29.0		36.2	43.4	
EAA2042HD	460-60-3	12.5	3.7			7.2		10.8		14.4	18.0			10.9		14.5		18.1	21.7	
EAA2048HD	460-60-3	12.7	3.7			7.2		10.8		14.4	18.0			10.9		14.5		18.1	21.7	
EAA2060HD	460-60-3	14.0	3.7			7.2		10.8		14.4	18.0			10.9		14.5		18.1	21.7	

¹HP = Heat Pump Unit Amps (includes Indoor Motor amps) ²IBM = Indoor Blower Motor

Heating kW is rated at 240 volts on the 208-230v. (HPA & HPC) models. Derate heater output by 25% for operation at 208 volts. Heating kW is rated at 480 volts on the HPD models.

Total heating amps for single phase units with two circuits (#1 and #2) includes both circuits. Total heating and cooling amps includes all motors. Three phase models contain single phase motor loads. Values shown are maximum phase loads. Loads are not equally balanced on each phase.

Dimensional Data: EAA1042H/1048H/1060H & EAA2042H/2048H/2060H (in & mm)



Installation Weight

EAA1042H EAA1048H EAA1060H EAA2042H EAA2048H EAA2060H	Base	w/Economizer	w/3 Phase	w/Economizer & 3 Phase
Pounds	528	551	581	604
Kilograms	239	250	264	274

Filter Size

EAA1042H/1048H/1060H EAA2042H/2048H/2060H	INCHES	MILLIMETERS	PART NUMBER	FILTERS PER UNIT	MERV RATING
RETURN AIR FILTER	18 x 20 x 1	457 x 508 x 25	91943	2	8

Notes

Please consult the Eubank® website at www.EubankWallmount.com for the latest product literature. Detailed dimensional data is available upon request. A complete warranty statement can be found in each product's Installation/Operation Manual, on our website or by contacting Eubank at 229-273-3636. As part of the Eubank continuous improvement program, specifications are subject to change without notice.



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