ICExp™

Increased Safety for Hazardous Locations

**Certified. Not Modified.**

Industrial Climate Engineering®
AIRXCEL®, Inc.
ISO 9001:2015 REGISTERED COMPANY

# EXNA/EONA12-72 and EXNDA/EONDA90-240
# 12,000 BTUH (3.5Kw) to 240,000 BTUH (70.3Kw)
# Increased Safety Vertical Wall Mount Air Conditioners

*EXNA60*

Intertek | NSF Registered to ISO 9001 | Designed, Engineered & Assembled In the USA

## General Description

The old approach to HVAC Safety in hazardous locations was to contain standard components in a big, heavy and expensive enclosure. The ICExp solution by Industrial Climate Engineering is designed to prevent an explosion by only using the latest technology in non-arcing components installed in our smaller and lighter NEC approved increased safety enclosure.

EXNA models are certified for use in Class I Division 2 outdoor/indoor environments, while EONA models are certified for use in Class I Division 2 outdoor environments with general purpose indoor environments.

Using this new and innovative strategy allows a more integrated, compact and reliable installation. And at a lower cost than previously possible.

Industrial Climate Engineering's third-party certified ICExp air conditioners are used primarily to cool buildings in Class I, Division II hazardous locations. ICExp increased safety air conditioners are available in capacities and configurations which can be used to cool equipment or people-occupied spaces. All models use the non-ozone depleting R-410A refrigerant.

ICExp air conditioners are installed on the exterior of the building – no interior space is required. Two openings in the wall allow for the conditioned (supply) air to be discharged into the building and for the indoor air to return to the air conditioner.

A sealed condenser fan motor permits operation in hot, dusty environments. All models except the EXNA/EONA12 feature a scroll compressor which ensures years of dependable service even in the harshest of operating conditions. EXNA/EONA12 models feature a rotary compressor.

When outside air is required to provide pressurization, optional intake stacks can be field installed in openings in both the left and right side panels. When no outside air is desired, these openings are covered with blank-off panels.


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## Features and Benefits

**Certified. Not Modified.**

- *NEMA-4, IP65 Rated Increased Safety Enclosure*
- *Cable Raceways Inside Electrical Box*
- *Solid State Non-Arcing Electrical Controls*
- *Programmable Logic Controller (PLC)*
- *Non-Arcing Fan & Blower Motors*
- *Aluminum Condenser Fan & Indoor Blower Wheels*
- *All Wiring Outside Control Box Covered in Protective Sheathing*
- *Retaining Clip On Compressor Electrical Connection*
- *External Fault Indicator LED*

**Options**

- *Corrosion Resistant Coating On Condenser and Evaporator Coils*
- *316 Stainless Steel Cabinet*
- *Room Pressurization*

## Hazardous Location Certified

The ICExp EXNA/EONA air conditioners are built to UL standard 1995, current edition and CAN/CSA C22.2, No. 236-11. The units are tested in accordance to the ASHRAE standard and are Safety Certified by an internationally recognized leader in explosion proof certification. All EXNA models are ETL listed. EONA models are pending.

**National Electric Code (NEC):**
Class I, Division 2 – Group A, B, C, D
Temp Code T3

INCREASED SAFETY FOR HAZARDOUS LOCATIONS CERTIFIED ICExp NOT MODIFIED

## ICExp Increased Safety Features and Benefits

- Increased Safety Certified by an internationally recognized third party leader in explosion proof certification *(pending)*

**National Electric Code (NEC):**
Class I, Division 2 – Group A, B, C, D, Temp Code T3

- Available from 12,000 BTUH (3.5Kw) to 240,000 BTUH (70Kw)

1. **NEMA-4, IP65 Rated Increased Safety Enclosure**
Compact & less expensive enclosure for electrical components

2. **Cable Raceways Inside Electrical Box**
Neater and easier to trace wiring installation

3. **Solid State Non-Arcing Electrical Controls**
IEC IP20 "Finger Safe" with no moving parts, relays, or contactors

4. **Programmable Logic Controller (PLC)**
Solid state construction for safe and reliable operation

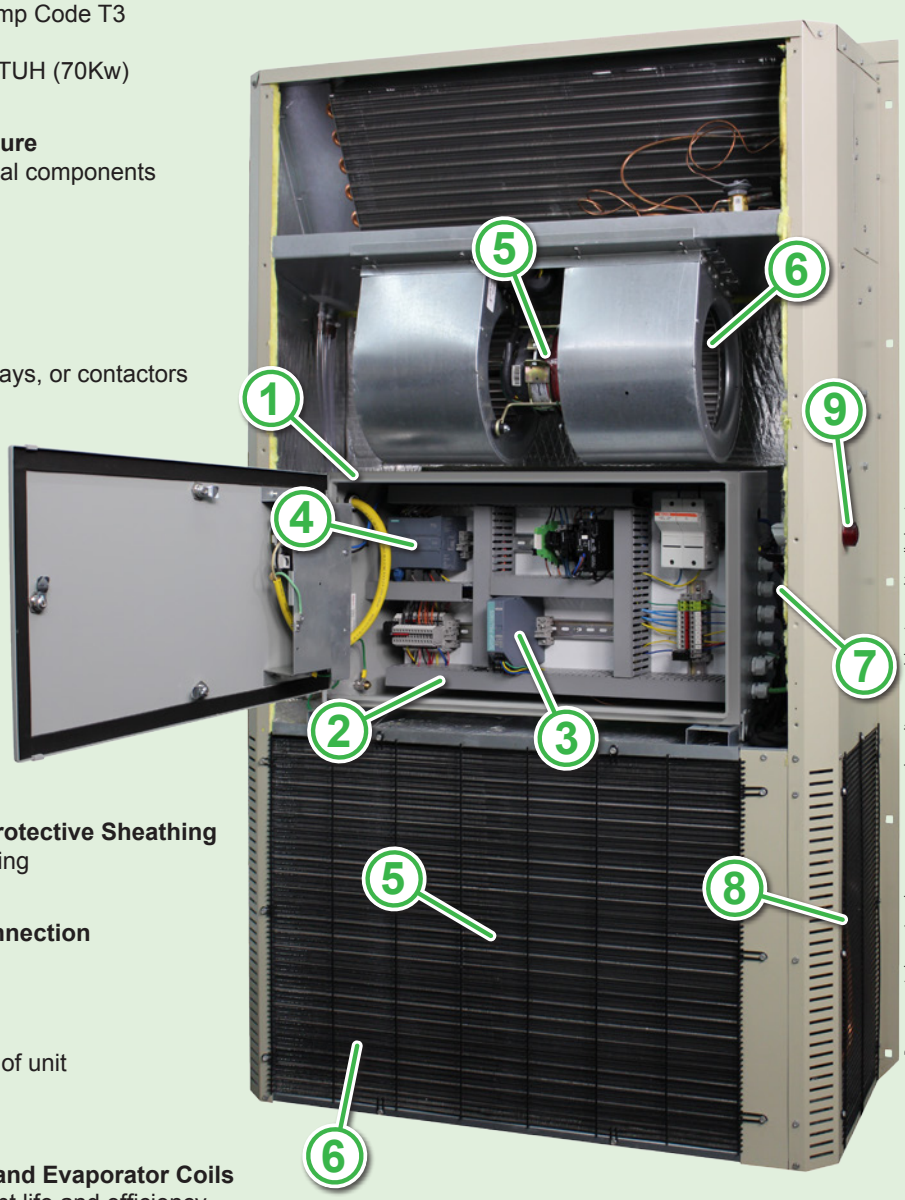
5. **Non-Arcing Fan & Blower Motors**
Sparkproof motor with overtemperature protection

6. **Aluminum Condenser Fan & Indoor Blower Wheels**
Will not create a spark if damaged or dislodged

7. **All Wiring Outside Control Box Covered in Protective Sheathing**
Prevents potential short circuits caused by chaffing

8. **Retaining Clip On Compressor Electrical Connection**
Can't vibrate loose and create a spark

9. **External Fault Indicator LED**
Flashing sequences indicate faults from outside of unit




Prototype unit shown. Actual appearance may vary depending on model, variant, and installed options.

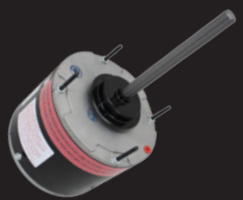
### Options

**Corrosion Resistant Coating On Condenser and Evaporator Coils**
Resists harsh environments to extend component life and efficiency

**316 Stainless Steel Cabinet**
Additional protection against harsh or corrosive environments

**Electric Heat**

**Solid State PLC**
Non-Arcing & Reliable Operation



**Non-Arcing Fan & Blower Motors**
Sparkproof Motor Protection

**Aluminum Fans & Blower Wheels**
Prevents Sparking

**Compressor Retainer Clip**
Connector Can't Loosen to Create a Spark

**External Fault LED**
Diagnose Faults from Outside of Cabinet

## Options

The ICExp air conditioners were designed and are built to stringent requirements of the electronic shelter. Applications occur that have special requirements. Numerous options are available for the air conditioners that meet these special needs.

➤ **Protective Coating Packages**
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.

**Notes:**

- The insulated internal sheet metal and the NEMA-4 Controls Enclosure are not coated
- The EXNA/EONA12 is available with the protective coatings and corrosion resistant fasteners, but does not have a sealed condenser fan motor.

➤ **Color**
ICE air conditioners are available in two cabinet colors - beige and gray (standard). The standard cabinet sides, top and front panels are constructed of 16 gauge painted steel. Contact your sales representative for color chips, custom colors and 316 stainless steel cabinets.

➤ **Dirty Filter Indicator**
A factory installed option that measures the difference in pressure across the internal filter and illuminates an LED or sends and alarm to a remote monitor/location when the pressure exceeds the desired difference.

➤ **Filter Access From Return Air Grille**
Factory or field installed filter bracket allows access to the filters from the return air grille. See model ID, special option code "I" (Standard on 1 ton - 6 ton models).

➤ **Reverse Air Flow Configuration (90–240 Models)**
Location of Supply and Return openings are reversed. See dimensional drawings.

➤ **Room Pressurization**
Preconfigured for 0.1" positive room pressure. EXNA/EONA air conditioners equipped with the optional pressurization module ship as a fully assembled unit.

➤ **Fire Dampers**
Return and/or supply fire dampers are available in a variety of configurations and sizes. Consult your sales representative for additional information.

## Programmable Logic Controller (PLC)

The ICExp unit uses a factory installed PLC along with a touch screen interface to control the operation of the HVAC system. LEDs on the PLC show operational status and provide assistance with diagnosis if troubleshooting is ever required. Various control functions are field selectable and programmable. The PLC is also capable of communicating to other ICExp PLCs to allow run time leveling and does not require additional equipment to be installed. The PLC provides improved reliability because of the reduction of components. The components utilized are more durable and the control box wiring has been simplified. Pertinent statistical data about the life of the refrigeration system can be accessed through the PLC.


The PLC is factory installed and tested, requires no adjustments or changes when the air conditioning system is installed.

**External LED Indicator Lights**

| Blink Count | Description |
|---|---|
| 1 | (HPS-A) High pressure switch has opened during call for cooling |
| 2 | (LPS-A) Low pressure switch has opened during call for cooling |
| 3 | (HPS-B) High pressure switch has opened during call for cooling (Dual Compressor) |
| 4 | (LPS-B) Low pressure switch has opened during call for cooling (Dual Compressor) |
| 5 | (PMF) Phase monitor fault has detected a phase fault (used only on 3 phase electrical systems) |
| 6 | (IBM-A) Indoor blower motor has faulted (only on EXNA/EONA90 – 240 units) |
| 7 | (OFM-A) Outdoor fan motor has faulted (only on EXNA/EONA90 – 240 units) |
| 8 | (IBM-B) Indoor blower motor has faulted (only on EXNA/EONA180 – 240 units) |
| 9 | (OFM-B) Outdoor fan motor has faulted (only on EXNA/EONA180 – 240 units) |

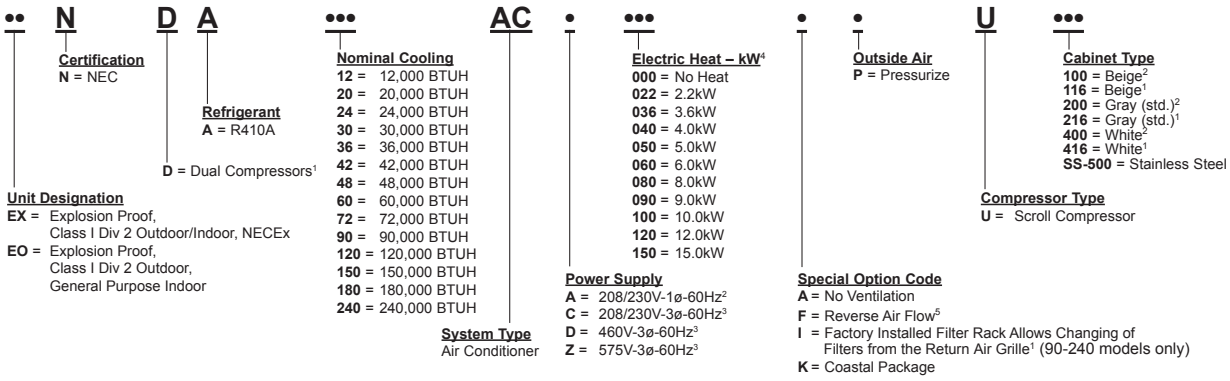
### ➤ Modes of Operation

***Normal Start-up:*** On a call for cooling, and with the high pressure switch closed, the cooling system (compressor, indoor blower motor and outdoor fan motor) will be energized. (Note: See the Delay on Make feature). The cooling system will remain energized during the three minute low pressure switch bypass cycle. If the low pressure is closed, the cooling system will continue to operate after the three-minute bypass. If the low pressure switch is open after the three-minute bypass, the cooling system will be de-energized.

***Lockout Mode:*** If either the high or low pressure switch opens on the same call for cooling, the PLC system enters into and indicates the lockout mode. In the lockout mode, the compressor is turned off, the alarm output is energized and the status LED's will blink to indicate which fault has occurred. If there is a call for air flow, the indoor blower will remain energized. When the lockout condition has cleared, the unit will reset if the demand of the thermostat is removed or when power is reset. The lockout circuit has a 3-second delay to prevent premature activation and is factory wired for normally open contacts. The user can select either normally closed or normally open remote alarm dry contacts.

***Delay on Make:*** On initial power up or on resumption of power, the air conditioner will wait 3 minutes from a call for cooling before allowing the contactor to energize.

## Model Identification




[1]Applies to 90–240 models

[2]Applies to 12-72 models only

[3]Three wire

[4]Electric heat only available for EONA General Purpose/Ordinary location Indoor Environment. Not all heat options are available for all models. See Electrical Data tables.

[5]The standard configuration is with the supply (conditioned) air at the top of the unit and the return air below it. In the reverse air flow configuration, the return is at the top and the supply air below it. Available only on 90–240 models.

## ICExp EXNA/EONA12-72 Standard Features & Benefits

➤ **Designed for Operation in a Wide Range of Ambient Conditions**
- Low ambient control cycles the condenser fan to maintain proper refrigerant pressures. This allows operation of mechanical cooling (compressor) in ambient temperatures as low as 0°F (-18°C) with EXNA/EONA20-72 models. The low temperature for the EXNA/EONA12 is 20ºF (-7ºC). Note: low temperature operation is affected by ambient conditions, e.g. wind and humidity.
- Operation in low/high ambient conditions from 0ºF (-18ºC) to 131ºF (55ºC) for EXNA/EONA20-72 models, and 20ºF (-7ºC) to 120ºF (49ºC) for the EXNA/EONA12.
- Three minute by-pass of the low pressure switch for start-up of compressor when outdoor temperatures are below 55°F (13°C).

➤ **High Efficiency**
- High efficiency compressor.
- Lanced fins standard on all evaporator and condenser coils.

➤ **Remote Alarm Capability**
- Dry contacts can be used for remote alarm or notification upon air conditioner lockout.

➤ **Built-in Reliability**
- High pressure switch and low pressure switch with lockout protects refrigerant circuit.
- 3 minute delay on make for short cycle protection.
- Internal motor overtemperature protection on the evaporator motor, condenser motor and compressor.

➤ **Ease of Service**
- Service access valves are standard.
- All major components are readily accessible.
- Front Control Panel allows easy access and complies with NEC clearance codes on redundant side-by-side systems.
- External LED indicates operational status and fault conditions.
- Foil backed insulation on the indoor air path.

➤ **Rugged Construction**
- Copper tube, aluminum fin evaporator & condenser coils.
- Baked on gray finish over galvanneal steel for maximum cabinet life. (Other finishes are available.)

➤ **Ease of Installation**
- Sloped top with flashing eliminates need of rainhood.
- Built-in mounting flanges facilitate installation and minimize chance of water leaks.
- Supply and return openings exactly match previous models.
- Factory installed disconnect on all units.
- Single Point Power Entry complies with latest edition of U.L. Standard 1995.

## ICExp EXNA/EONA12-72 Accessories

➤ **Supply Grilles**

For EXNA/EONA12 - *17" x 5" ( 432 mm x 127 mm)* ..... *P/N 80682*
For EXNA/EONA20/24 - *20" x 8" (508 mm x 203 mm)* ..... *P/N 80674*
For EXNA/EONA30/36 - *28" x 8" (711 mm x 203 mm)* ..... *P/N 80675*
For EXNA/EONA42/48/60/72 - *30" x 10" (762 mm x 254 mm)* ..... *P/N 80676*

➤ **Return Filter Grilles**

***Note:*** Filter used in Return Filter Grille is 1" (25 mm) thick. Filter is not included with Grille, except for EXNA/EONA12.

For EXNA/EONA12 - *17" x 10" (432 mm x 254) Includes Washable Filter* ..... *P/N 80683*
For EXNA/EONA20/24 - *20" x 12" (508 mm x 305 mm)* ..... *P/N 80671*
For EXNA/EONA30/36 - *28" x 14" (711 mm x 356 mm)* ..... *P/N 80672*
For EXNA/EONA42/48/60/72 - *30" x 16" (762 mm x 406 mm)* ..... *P/N 80673*

➤ **Return Air Filters**

For EXNA/EONA12 - *16½" x 9½" (419 mm x 241 mm) Optional Activated Charcoal Filter* ..... *P/N 93216*
For EXNA/EONA20/24 - *19½" x 11½" (495 mm x 292 mm)* ..... *P/N 91983*
*Optional Activated Charcoal Filter* ..... *P/N 91994*
For EXNA/EONA30/36 - *27½" x 13½" (699 mm x 343 mm)* ..... *P/N 80769*
*Optional Activated Charcoal Filter* ..... *P/N 92988*
For EXNA/EONA42/48/60/72 - *29½" x 15½" (749 mm x 394 mm)* ..... *P/N 80140*
*Optional Activated Charcoal Filter* ..... *P/N 92979*

## ICExp EXNDA/EONDA90-240 Standard Features & Benefits

➤ **Designed for Operation in High and Low Ambient Conditions**

- Hot gas bypass valve provides for precise capacity control in the cooling mode and to protect against coil freeze up during low load conditions.
- Three minute by-pass of the low pressure switch for start-up of compressor when outdoor temperatures are below 55°F (13°C).
- Standard low/high ambient conditions operation from 0ºF (-17.8ºC) to 131ºF (55ºC).

➤ **High Efficiency**

- Aluminum saw tooth blades on condenser fan deliver both excellent efficiency and extremely quiet operation.
- Aerodynamically efficient and compact direct drive backward inclined motorized impeller evaporator motor eliminates belts and pulleys and provides excellent air flow.
- Thermal Expansion Valve improves efficiency and cooling capacity at both high and low ambient temperatures.
- High efficiency scroll compressor.
- Lanced fins on the evaporator and condenser coils improve heat transfer.
- All 90-240 models feature dual compressors

➤ **Built-in Reliability**

- High pressure switch and low pressure switch with lockout protects refrigerant circuit.
- 3 minute delay on make for short cycle protection.
- Internal motor overtemperature protection on the evaporator motor, the condenser motor and the compressor.

➤ **Remote Alarm Capability**

- Dry contacts can be used for remote alarm or notification upon air conditioner lockout.

➤ **Ease of Installation**

- Sloped top with flashing eliminates need of rainhood.
- Built-in mounting flanges facilitate installation and minimize chance of water leaks.
- Supply air and return openings match many competitive models.
- Factory installed disconnect on all units.
- Stainless Steel side plates with lifting eyes provide safe and secure method for lifting the unit.

➤ **Rugged Construction**

- Copper tube, aluminum fin evaporator & condenser coils.
- Baked on neutral gray finish over galvanneal steel for maximum cabinet life. (Other finishes are available.)

➤ **Ease of Service**

- EXNDA90/120/150 - the upper panel opens to either the left or the right to facilitate access to the control box and the evaporator motor and coil. This panel can also be easily removed. As an option, these panels can be locked. Stainless steel hinges on the right side of the lower panel allow access to the compressor compartment.
- EXNDA180/240 - Stainless steel hinges on the outer side of the two upper panels facilitate access to the control box, the evaporator motor, and coil. As an option, these panels can be locked. Stainless steel hinges on the outer side of each lower panel allow access to the compressor compartment.
- Service access valves are standard.
- Standard 2" (50 mm) pleated filter with a MERV rating of 8 changeable from outside.
- All major components are readily accessible.
- Front Control Panel allows easy access and complies with NEC clearance codes on redundant systems mounted side by side.
- LEDs on the PLC indicate operational status and fault conditions.
- Foiled backed insulation on the indoor air path.
- Sight glass indicates proper refrigerant charge and, if ever required, facilitates charging the unit in the field.

## ICExp EXNDA/EONDA90-240 Accessories

➤ **Supply Grille**

For EXNDA/EONDA90/120/150 – *42½" x 15¼" (1,080 mm x 387 mm)* ..... *P/N 93189*

For EXNDA/EONDA180/240/300/360 – *54½" x 15½" (1,384 mm x 394 mm)* ..... *P/N 93190*

➤ **Return Filter Grille**

For EXNDA/EONDA90/120/150 – *42½" x 21½" (1,080 mm x 546 mm)* ..... *P/N 93188*

For EXNDA/EONDA180/240 – *54½" x 21½" (1,384 mm x 546 mm)* ..... *P/N 93191*

For EXNDA/EONDA300/360 – *54½" x 37½" (1,384 mm x 953 mm)* ..... *P/N 93192*

➤ **Return Air Filters**

See Dimensional Drawings for filter details.

## Capacity Ratings: EXNA/EONA Air Conditioners

| Model Number | EXNA/ EONA12 | EXNA/ EONA20 | EXNA/ EONA24 | | | EXNA/ EONA30 | | | EXNA/ EONA36 | | | EXNA/ EONA42 | | | EXNA/ EONA48 | | | EXNA/ EONA60 | | | EXNA/ EONA72 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ACA | ACA | ACA | ACC | ACD | ACA | ACC | ACD | ACA | ACC | ACD | ACA | ACC | ACD | ACA | ACC | ACD | ACA | ACC | ACD | ACA | ACC | ACD | ACZ |
| **Cooling BTUH[1]** | 10,800 | 19,600 | 24,000 | | | 29,000 | | | 35,000 | | | 42,000 | | | 46,000 | | | 54,500 | | | 62,000 | 70,000 | | |
| **EER[2]** | 9.00 | 9.00 | 9.25 | | | 9.25 | | | 9.25 | | | 9.25 | | | 9.50 | | | 9.25 | | | 10.00 | 10.00 | | |
| **ESP[3] @ Rated Conditions** | 0.10 | 0.10 | 0.10 | | | 0.15 | | | 0.15 | | | .20 | | | 0.20 | | | 0.20 | | | 0.20 | | | |

[1]Cooling rated at 95°F (35°C) outdoor and 80°F DB/67° WB (26.5°C DB/19.5°C WB) return air. [2]CFM=Cubic Feet per Minute [3]ESP=External Static Pressure
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), 460 volts for "D" models, and 575 volts for "Z" models.
Operation of units at a different voltage from that of the rating point will affect performance and air flow.

## Capacity Ratings: EXNDA/EONDA Air Conditioners

| Model Number | EXNDA/EONDA90 | | | | EXNDA/EONDA120 | | | | EXNDA/EONDA150 | | | | EXNDA/EONDA180 | | | | EXNDA/EONDA240 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ACC | ACD | ACE | ACZ | ACA | ACD | ACE | ACZ | ACC | ACD | ACE | ACZ | ACC | ACD | ACE | ACZ | ACC | ACD | ACE | ACZ |
| **Cooling BTUH[1]** | 94,000 | | | | 125,000 | | | | 150,000 | | | | 182,200 | | | | 216,600 | | | |
| **Rated Air Flow (CFM[2])** | 3,500 | | | | 4,000 | | | | 5,000 | | | | 5,000 | | | | 7,500 | | | |
| **ESP[3] @ Rated Conditions** | 0.25 | | | | 0.30 | | | | 0.35 | | | | 0.35 | | | | 0.40 | | | |

[1]Cooling rated at 95°F (35°C) outdoor and 80°F DB/67° WB (26.5°C DB/19.5°C WB) return air. [2]CFM=Cubic Feet per Minute [3]ESP=External Static Pressure
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), 460 volts for "D" models, and 575 volts for "Z" models.
Operation of units at a different voltage from that of the rating point will affect performance and air flow.

## Sensible Total Heat Ratio @ 95ºF (35ºC) Outside Air Dry Bulb: EXNA/EONA

| Model Number | EXNA/ EONA12 | EXNA/ EONA20 | EXNA/ EONA24 | | | EXNA/ EONA30 | | | EXNA/ EONA36 | | | EXNA/ EONA42 | | | EXNA/ EONA48 | | | EXNA/ EONA60 | | | EXNA/ EONA72 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ACA | ACA | ACA | ACC | ACD | ACA | ACC | ACD | ACA | ACC | ACD | ACA | ACC | ACD | ACA | ACC | ACD | ACA | ACC | ACD | ACA | ACC | ACD | ACZ |
| **Total Capacity** | 10,800 | 19,600 | 24,000 | | | 29,000 | | | 35,000 | | | 42,000 | | | 46,000 | | | 54,500 | | | 62,000 | 70,000 | | |
| **Sensible Heat Ratio** | 0.74 | 0.76 | 0.75 | | | 0.75 | | | 0.69 | | | 0.76 | | | 0.76 | | | 0.73 | | | 0.71 | 0.67 | | |
| **Sensible Capacity** | 8,000 | 14,800 | 18,000 | | | 21,740 | | | 24,155 | | | 31,900 | | | 34,940 | | | 39,800 | | | 43,815 | 46,800 | | |
| **Rated Air Flow (CFM[1])** | 400 | 755 | 840 | | | 1,000 | | | 1,100 | | | 1,575 | | | 1,725 | | | 1,850 | | | 1,925 | 1,925 | | |

[1]CFM=Cubic Feet per Minute
Sensible heat ratios based upon outdoor air conditions of 95°F (35°C) and 80°F DB/67° WB (26.5°C DB/19.5°C WB) return air.

## Sensible Total Heat Ratio @ 95ºF (35ºC) Outside Air Dry Bulb: EXNDA/EONDA

| Model Number | EXNDA/EONDA90 | | | | EXNDA/EONDA120 | | | | EXNDA/EONDA150 | | | | EXNDA/EONDA180 | | | | EXNDA/EONDA240 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ACC | ACD | ACE | ACZ | ACA | ACD | ACE | ACZ | ACC | ACD | ACE | ACZ | ACC | ACD | ACE | ACZ | ACC | ACD | ACE | ACZ |
| **Total Capacity** | 94,000 | | | | 125,000 | | | | 150,000 | | | | 182,200 | | | | 216,000 | | | |
| **Sensible Heat Ratio** | 0.72 | | | | 0.75 | | | | 0.75 | | | | 0.75 | | | | 0.75 | | | |
| **Sensible Capacity** | 67,680 | | | | 93,750 | | | | 112,500 | | | | 136,650 | | | | 162,000 | | | |
| **Rated Air Flow (CFM[1])** | 3,500 | | | | 4,000 | | | | 5,000 | | | | 5,000 | | | | 7,500 | | | |

[1]CFM=Cubic Feet per Minute
Sensible heat ratios based upon outdoor air conditions of 95°F (35°C) and 80°F DB/67° WB (26.5°C DB/19.5°C WB) return air.

## Cooling Performance (BTUH) at Various Outdoor Temperatures: EXNA/EONA & EXNDA/EONDA Air Conditioners

| Model Number | Outdoor Temperature | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 75ºF/24ºC | 80ºF/26.5ºC | 85ºF/29ºC | 90ºF/32ºC | 95ºF/35ºC | 100ºF/38ºC | 105ºF/40.5ºC | 110ºF/43.3ºC | 115ºF/46ºC | 120ºF/48.9ºC | 125ºF/51.7ºC | 130ºF/54.4ºC |
| **EXNA/EONA12AC** | 12,525 | 12,095 | 11,660 | 11,230 | 10,800 | 10,365 | 9,9935 | 9,500 | 9,285 | 8,640 | 8,205 | 7,775 |
| **EXNA/EONA20AC** | 22,735 | 21,950 | 21,165 | 20,380 | 19,600 | 18,815 | 18,30 | 17,245 | 16,855 | 15,680 | 14,895 | 14,110 |
| **EXNA/EONA24AC** | 27,840 | 26,880 | 25,920 | 24,960 | 24,000 | 23,040 | 22,080 | 21,120 | 20,640 | 19,200 | 18,240 | 17,280 |
| **EXNA/EONA30AC** | 33,640 | 32,480 | 31,320 | 30,160 | 29,000 | 27,840 | 26,680 | 25,520 | 24,940 | 23,200 | 22,040 | 20,880 |
| **EXNA/EONA36AC** | 40,600 | 39,200 | 37,800 | 36,400 | 35,000 | 33,600 | 32,200 | 30,800 | 30,100 | 28,000 | 26,600 | 25,200 |
| **EXNA/EONA42AC** | 48,720 | 47,040 | 45,360 | 43,680 | 42,000 | 40,320 | 38,640 | 36,960 | 36,120 | 33,600 | 31,920 | 30,240 |
| **EXNA/EONA48AC** | 53,360 | 51,520 | 49,680 | 47,840 | 46,000 | 44,160 | 42,320 | 40,480 | 39,560 | 36,800 | 34,960 | 33,120 |
| **EXNA/EONA60AC** | 63,220 | 61,040 | 58,860 | 56,680 | 54,500 | 52,320 | 50,140 | 47,960 | 46,870 | 43,600 | 41,420 | 39,240 |
| **EXNA/EONA72ACA** | 71,920 | 69,440 | 66,960 | 64,480 | 62,000 | 59,520 | 57,040 | 54,560 | 53,320 | 49,600 | 47,120 | 44,640 |
| **EXNA/EONA72ACC, ACD, ACZ** | 81,200 | 78,400 | 75,600 | 72,800 | 70,000 | 67,200 | 64,400 | 61,600 | 60,200 | 56,000 | 53,200 | 50,400 |
| **EXNDA/EONDA90AC** | 109,040 | 105,280 | 101,520 | 97,760 | 94,000 | 90,240 | 86,480 | 82,720 | 80,840 | 79,148 | 77,456 | 75,764 |
| **EXNDA/EONDA120AC** | 145,000 | 140,000 | 135,000 | 130,000 | 125,000 | 120,000 | 115,000 | 110,000 | 107,500 | 105,250 | 103,000 | 100,750 |
| **EXNDA/EONDA150AC** | 174,000 | 168,000 | 162,000 | 156,000 | 150,000 | 144,000 | 138,000 | 132,000 | 129,000 | 126,300 | 123,600 | 120,900 |
| **EXNDA/EONDA180AC** | 211,120 | 203,840 | 196,560 | 189,280 | 182,200 | 174,720 | 167,440 | 160,160 | 156,520 | 153,244 | 149,968 | 146,692 |
| **EXNDA/EONDA240AC** | 250,560 | 241,920 | 233,280 | 244,640 | 216,000 | 207,360 | 198,720 | 190,080 | 185,760 | 181,872 | 177,980 | 174,000 |

Based upon ANSI/AHRI std. 390 return air conditions of 80°F DB/67° WB (26.5°C DB/19.5°C WB) at various outdoor temperatures.
Note: Operation of units above 120°F (48.9°C) requires the Desert Duty package.

## Electrical Characteristics - Compressor, Fan & Blower Motors: EXNA/EONA & EXNDA/EONDA Air Conditioners (Single & Dual Compressors)

| Model Number | Compressor | | | Outdoor Fan Motor | Indoor Blower Motor |
|---|---|---|---|---|---|
| | Volts / Ph / Hz | RLA[1] | LRA[2] | FLA[4] | FLA[4] |
| EXNA/EONA12ACA | 208/230-1-60 | 4.7 | 25.0 | 0.65 | 0.85 |
| EXNA/EONA20ACA | | 13.4 | 43.0 | 1.8 | 1.0 |
| EXNA/EONA24ACA | | 12.8 | 64.0 | 1.8 | 1.0 |
| EXNA/EONA30ACA | | 14.1 | 77.0 | 1.8 | 2.5 |
| EXNA/EONA36ACA | | 17.9 | 112.0 | 1.8 | 2.5 |
| EXNA/EONA42ACA | | 19.8 | 109.0 | 2.9 | 3.1 |
| EXNA/EONA48ACA | | 21.8 | 117.0 | 2.9 | 3.1 |
| EXNA/EONA60ACA | | 26.2 | 134.0 | 2.9 | 4.0 |
| EXNA/EONA72ACA | | 30.1 | 158.0 | 2.9 | 4.0 |
| EXNA/EONA24ACC | 208/230-3-60 | 8.3 | 61.0 | 1.5 | 1.5 |
| EXNA/EONA30ACC | | 9.0 | 71.0 | 1.8 | 2.5 |
| EXNA/EONA36ACC | | 13.2 | 88.0 | 1.8 | 2.5 |
| EXNA/EONA42ACC | | 13.6 | 83.1 | 2.8 | 3.1 |
| EXNA/EONA48ACC | | 13.7 | 83.1 | 2.8 | 3.1 |
| EXNA/EONA60ACC | | 15.9 | 111.0 | 2.8 | 5.2 |
| EXNA/EONA72ACC | | 22.4 | 149.0 | 2.9 | 5.2 |
| EXNA/EONA24ACD | 460-3-60 | 5.1 | 28.0 | 1.5 | 1.5 |
| EXNA/EONA30ACD | | 5.6 | 38.0 | 1.8 | 2.5 |
| EXNA/EONA36ACD | | 6.0 | 44.0 | 1.8 | 2.5 |
| EXNA/EONA42ACD | | 6.1 | 41.0 | 2.8 | 3.1 |
| EXNA/EONA48ACD | | 6.2 | 41.0 | 2.8 | 3.1 |
| EXNA/EONA60ACD | | 7.7 | 52.0 | 2.8 | 5.2 |
| EXNA/EONA72ACD | | 10.6 | 75.0 | 2.9 | 5.2 |
| EXNDA/EONDA90ACD | | 7.1 (14.2) | 95.0 | 2.7 (5.4) | 2.1 (4.2) |
| EXNDA/EONDA120ACD | | 10.6 (21.2) | 125.0 | 2.7 (5.4) | 3.4 (6.8) |
| EXNDA/EONDA150ACD | | 8.9 (17.8) | 74.0 | 4.8 (9.6) | 4.5 (9.0) |
| EXNDA/EONDA180ACD | | 14.7 (29.4) | 95.0 | 4.8 (9.6) | 4.7 (9.4) |
| EXNDA/EONDA240ACD | | 17.9 (35.8) | 125.0 | 4.8 (9.6) | 4.7 (9.4) |
| EXNA/EONA24ACZ | 575-3-60 | 3.3 | 23.7 | 1.5 | 1.5 |
| EXNA/EONA30ACZ | | 4.7 | 36.5 | 1.5 | 1.5 |
| EXNA/EONA36ACZ | | 4.2 | 30.0 | 1.8 | 2.5 |
| EXNA/EONA42ACZ | | 4.2 | 33.0 | 1.8 | 2.5 |
| EXNA/EONA48ACZ | | 4.8 | 33.0 | 2.8 | 3.1 |
| EXNA/EONA60ACZ | | 5.8 | 38.9 | 2.8 | 3.1 |
| EXNA/EONA72ACZ | | 7.7 | 54.0 | 2.8 | 5.2 |
| EXNDA/EONDA90ACZ | | 5.1 (10.2) | 80.0 | 3.7 (7.4) | 1.7 (3.4) |
| EXNDA/EONDA120ACZ | | 7.7 (15.4) | 54.0 | 4.8 (9.6) | 4.7 (9.4) |
| EXNDA/EONDA150ACZ | | 7.9 (15.8) | 54.0 | 4.8 (9.6) | 4.5 (9.0) |
| EXNDA/EONDA180ACZ | | 12.2 (24.4) | 80.0 | 2.2 (4.4) | 1.7 (3.4) |
| EXNDA/EONDA240ACZ | | 12.9 (25.8) | 80.0 | 5.8 (11.6) | 2.8 (5.6) |

[1]RLA = Rated Load Amps [2]LRA = Locked Rotor Amps [3]FLA = Full Load Amps
Values in parentheses are for dual compressor air conditioners when both compressors are operating simultaneously.

# Summary Electrical Ratings (Wire and Circuit Breaker Sizing): EXNA/EONA12-72 Single Compressor Air Conditioners Power Supply: "A" (208/230V-1Ø-60Hz)

| Model Number | Heater (kW) | Circuit #1 | Circuit #2 | Circuit #1 | Circuit #2 | SPPE[3] MCA[1] | SPPE[3] MFS[2] | Incoming Power | | AC Power |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Cooling MCA[1] | Heating MCA[1] | Cooling MFS[2] | Heating MFS[2] | | | Overall MCA[1] | Bonding Conductors (Amps) | Bonding Conductors (AC - Amps) |
| **EXNA/EONA12ACA 000** | 0 | 7.15 | | 10 | | 7.99 | 15 | 7.15 | 152 | 82 |
| **EONA12ACA 022** | 2.2 | 7.15 | 11.46 | 10 | 15 | 12.30 | 15 | 11.46 | 152 | 82 |
| **EONA12ACA 036** | 3.6 | 7.15 | 18.75 | 10 | 20 | 19.59 | 20 | 18.75 | 152 | 82 |
| **EONA12ACA 040** | 4 | 7.15 | 20.83 | 10 | 25 | 21.67 | 25 | 20.83 | 152 | 82 |
| **EONA12ACA 050** | 5 | 7.15 | 26.04 | 10 | 30 | 26.88 | 30 | 26.04 | 152 | 82 |
| **EXNA/EONA20ACA 000** | 0 | 18.80 | | 30 | | 19.64 | 30 | 18.80 | 152 | 82 |
| **EONA20ACA 036** | 3.6 | 18.80 | 18.75 | 30 | 20 | 19.75 | 30 | 18.80 | 152 | 82 |
| **EONA20ACA 040** | 4 | 18.80 | 20.83 | 30 | 25 | 21.83 | 30 | 20.83 | 152 | 82 |
| **EONA20ACA 050** | 5 | 18.80 | 26.04 | 30 | 30 | 27.04 | 30 | 26.04 | 152 | 82 |
| **EONA20ACA 060** | 6 | 18.80 | 31.25 | 30 | 35 | 32.25 | 35 | 31.25 | 152 | 82 |
| **EONA20ACA 080** | 8 | 18.80 | 41.67 | 30 | 45 | 42.67 | 45 | 41.67 | 152 | 82 |
| **EONA20ACA 100** | 10 | 18.80 | 52.08 | 30 | 55 | 53.08 | 55 | 52.08 | 152 | 82 |
| **EXNA/EONA24ACA 000** | 0 | 18.00 | | 30 | | 18.84 | 30 | 18.00 | 152 | 82 |
| **EONA24ACA 036** | 3.6 | 18.00 | 18.8 | 30 | 20 | 19.75 | 30 | 18.75 | 152 | 82 |
| **EONA24ACA 040** | 4 | 18.00 | 20.8 | 30 | 25 | 21.83 | 30 | 20.83 | 152 | 82 |
| **EONA24ACA 050** | 5 | 18.00 | 26.0 | 30 | 30 | 27.04 | 30 | 26.04 | 152 | 82 |
| **EONA24ACA 060** | 6 | 18.00 | 31.3 | 30 | 35 | 32.25 | 35 | 31.25 | 152 | 82 |
| **EONA24ACA 080** | 8 | 18.00 | 41.7 | 30 | 45 | 42.67 | 45 | 41.67 | 152 | 82 |
| **EONA24ACA 100** | 10 | 18.00 | 52.1 | 30 | 55 | 53.08 | 55 | 52.08 | 152 | 82 |
| **EXNA/EONA30ACA 000** | 0 | 21.90 | | 35 | | 22.74 | 35 | 21.90 | 152 | 82 |
| **EONA30ACA 036** | 3.6 | 21.90 | 18.8 | 35 | 20 | 22.74 | 35 | 21.90 | 152 | 82 |
| **EONA30ACA 040** | 4 | 21.90 | 20.8 | 35 | 25 | 23.33 | 35 | 21.90 | 152 | 82 |
| **EONA30ACA 050** | 5 | 21.90 | 26.0 | 35 | 30 | 28.54 | 35 | 26.04 | 152 | 82 |
| **EONA30ACA 060** | 6 | 21.90 | 31.3 | 35 | 35 | 33.75 | 35 | 31.25 | 152 | 82 |
| **EONA30ACA 080** | 8 | 21.90 | 41.7 | 35 | 45 | 44.17 | 45 | 41.67 | 152 | 82 |
| **EONA30ACA 100** | 10 | 21.90 | 52.1 | 35 | 55 | 54.58 | 55 | 52.08 | 152 | 82 |
| **EONA30ACA 120** | 12 | 21.90 | 62.5 | 35 | 65 | 65.00 | 70 | 62.50 | 152 | 82 |
| **EXNA/EONA36ACA 000** | 0 | 26.70 | | 40 | | 27.54 | 40 | 26.70 | 152 | 82 |
| **EONA36ACA 036** | 3.6 | 26.70 | 18.8 | 40 | 20 | 27.54 | 40 | 26.70 | 152 | 82 |
| **EONA36ACA 040** | 4 | 26.70 | 20.8 | 40 | 25 | 27.54 | 40 | 26.70 | 152 | 82 |
| **EONA36ACA 060** | 6 | 26.70 | 31.3 | 40 | 35 | 33.75 | 40 | 31.25 | 152 | 82 |
| **EONA36ACA 080** | 8 | 26.70 | 41.7 | 40 | 45 | 44.17 | 45 | 41.67 | 152 | 82 |
| **EONA36ACA 100** | 10 | 26.70 | 52.1 | 40 | 55 | 54.58 | 55 | 52.08 | 152 | 82 |
| **EONA36ACA 120** | 12 | 26.70 | 62.5 | 40 | 65 | 65.00 | 70 | 62.50 | 152 | 82 |
| **EXNA/EONA42ACA 000** | 0 | 31.10 | | 50 | | 31.94 | 50 | 31.10 | 152 | 82 |
| **EONA42ACA 040** | 4 | 31.10 | 20.8 | 50 | 25 | 31.94 | 50 | 31.10 | 152 | 82 |
| **EONA42ACA 060** | 6 | 31.10 | 31.3 | 50 | 35 | 34.95 | 50 | 31.25 | 152 | 82 |
| **EONA42ACA 080** | 8 | 31.10 | 41.7 | 50 | 45 | 45.37 | 50 | 41.67 | 152 | 82 |
| **EONA42ACA 100** | 10 | 31.10 | 52.1 | 50 | 55 | 55.78 | 60 | 52.08 | 152 | 82 |
| **EONA42ACA 120** | 12 | 31.10 | 62.5 | 50 | 65 | 66.20 | 70 | 62.50 | 152 | 82 |
| **EXNA/EONA48ACA 000** | 0 | 33.50 | | 55 | | 34.34 | 55 | 33.50 | 152 | 82 |
| **EONA48ACA 050** | 5 | 33.50 | 26.0 | 55 | 30 | 34.34 | 55 | 33.50 | 152 | 82 |
| **EONA48ACA 080** | 8 | 33.50 | 41.7 | 55 | 45 | 45.37 | 55 | 41.67 | 152 | 82 |
| **EONA48ACA 100** | 10 | 33.50 | 52.1 | 55 | 55 | 55.78 | 60 | 52.08 | 152 | 82 |
| **EONA48ACA 120** | 12 | 33.50 | 62.5 | 55 | 65 | 66.20 | 70 | 62.50 | 152 | 82 |
| **EXNA/EONA60ACA 000** | 0 | 39.40 | | 65 | | 40.24 | 65 | 39.40 | 152 | 82 |
| **EONA60ACA 040** | 4 | 39.40 | 20.8 | 65 | 25 | 40.24 | 65 | 39.40 | 152 | 82 |
| **EONA60ACA 050** | 5 | 39.40 | 26.0 | 65 | 30 | 40.24 | 65 | 39.40 | 152 | 82 |
| **EONA60ACA 060** | 6 | 39.40 | 31.3 | 65 | 35 | 40.24 | 65 | 39.40 | 152 | 82 |
| **EONA60ACA 080** | 8 | 39.40 | 41.7 | 65 | 45 | 45.67 | 65 | 41.67 | 152 | 82 |
| **EONA60ACA 100** | 10 | 39.40 | 52.1 | 65 | 55 | 56.08 | 65 | 52.08 | 152 | 82 |
| **EONA60ACA 120** | 12 | 39.40 | 62.5 | 65 | 65 | 66.50 | 70 | 62.50 | 152 | 82 |
| **EXNA/EONA72ACA 000** | 0 | 44.50 | | 70 | | 45.34 | 70 | 44.50 | 152 | 82 |
| **EONA72ACA 050** | 5 | 44.50 | 26.0 | 70 | 30 | 45.34 | 70 | 44.50 | 152 | 82 |
| **EONA72ACA 080** | 8 | 44.50 | 41.7 | 70 | 45 | 45.67 | 70 | 44.50 | 152 | 82 |
| **EONA72ACA 100** | 10 | 44.50 | 52.1 | 70 | 55 | 56.08 | 70 | 52.08 | 152 | 82 |
| **EONA72ACA 120** | 12 | 44.50 | 62.5 | 70 | 65 | 66.50 | 70 | 62.50 | 152 | 82 |

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

MCA & MFS are calculated at 230 volts on the ACA & ACC models. The 460 volts ACD 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.

# Summary Electrical Ratings (Wire and Circuit Breaker Sizing): EXNA/EONA24-72 Single Compressor Air Conditioners Power Supply: "C" (208/230V-3Ø-60Hz)

| Model Number | Heater (kW) | Circuit #1 | Circuit #2 | Circuit #1 | Circuit #2 | SPPE[3] MCA[1] | SPPE[3] MFS[2] | Incoming Power | | AC Power |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Cooling MCA[1] | Heating MCA[1] | Cooling MFS[2] | Heating MFS[2] | | | Overall MCA[1] | Bonding Conductors (Amps) | Bonding Conductors (AC - Amps) |
| **EXNA/EONA24ACC 000** | 0 | 12.40 | | 20 | | 13.24 | 20 | 12.40 | 152 | 82 |
| **EONA24ACC 060** | 6 | 12.40 | 18.8 | 20 | 20 | 19.85 | 20 | 18.85 | 152 | 82 |
| **EONA24ACC 090** | 9 | 12.40 | 28.3 | 20 | 30 | 29.27 | 30 | 28.27 | 152 | 82 |
| **EONA24ACC 100** | 10 | 12.40 | 31.4 | 20 | 35 | 32.41 | 35 | 31.41 | 152 | 82 |
| **EXNA/EONA30ACC 000** | 0 | 15.50 | | 20 | | 16.34 | 20 | 15.50 | 152 | 82 |
| **EONA30ACC 060** | 6 | 15.50 | 18.8 | 20 | 20 | 21.35 | 25 | 18.85 | 152 | 82 |
| **EONA30ACC 090** | 9 | 15.50 | 28.3 | 20 | 30 | 30.77 | 35 | 28.27 | 152 | 82 |
| **EONA30ACC 100** | 10 | 15.50 | 31.4 | 20 | 35 | 33.91 | 35 | 31.41 | 152 | 82 |
| **EONA30ACC 120** | 12 | 15.50 | 37.7 | 20 | 40 | 40.20 | 45 | 37.70 | 152 | 82 |
| **EXNA/EONA36ACC 000** | 0 | 20.78 | | 30 | | 21.62 | 30 | 20.78 | 152 | 82 |
| **EONA36ACC 060** | 6 | 20.78 | 18.8 | 30 | 20 | 21.62 | 30 | 20.78 | 152 | 82 |
| **EONA36ACC 090** | 9 | 20.78 | 28.3 | 30 | 30 | 30.77 | 35 | 28.27 | 152 | 82 |
| **EONA36ACC 120** | 12 | 20.78 | 37.7 | 30 | 40 | 40.20 | 45 | 37.70 | 152 | 82 |
| **EXNA/EONA42ACC 000** | 0 | 23.26 | | 35 | | 24.10 | 35 | 23.26 | 152 | 82 |
| **EONA42ACC 060** | 6 | 23.26 | 18.8 | 35 | 20 | 24.10 | 35 | 23.26 | 152 | 82 |
| **EONA42ACC 090** | 9 | 23.26 | 28.3 | 35 | 30 | 31.97 | 35 | 28.27 | 152 | 82 |
| **EONA42ACC 120** | 12 | 23.26 | 37.7 | 35 | 40 | 41.40 | 45 | 37.70 | 152 | 82 |
| **EONA42ACC 150** | 15 | 23.26 | 47.1 | 35 | 50 | 50.82 | 55 | 47.12 | 152 | 82 |
| **EXNA/EONA48ACC 000** | 0 | 23.43 | | 35 | | 24.27 | 35 | 23.43 | 152 | 82 |
| **EONA48ACC 060** | 6 | 23.43 | 18.8 | 35 | 20 | 24.27 | 35 | 23.43 | 152 | 82 |
| **EONA48ACC 090** | 9 | 23.43 | 28.3 | 35 | 30 | 31.97 | 35 | 28.27 | 152 | 82 |
| **EONA48ACC 120** | 12 | 23.43 | 37.7 | 35 | 40 | 41.40 | 45 | 37.70 | 152 | 82 |
| **EXNA/EONA60ACC 000** | 0 | 26.13 | | 40 | | 26.97 | 40 | 26.13 | 152 | 82 |
| **EONA60ACC 060** | 6 | 26.13 | 18.8 | 40 | 20 | 26.97 | 40 | 26.13 | 152 | 82 |
| **EONA60ACC 090** | 9 | 26.13 | 28.3 | 40 | 30 | 32.27 | 40 | 28.27 | 152 | 82 |
| **EONA60ACC 120** | 12 | 26.13 | 37.7 | 40 | 40 | 41.70 | 45 | 37.70 | 152 | 82 |
| **EXNA/EONA72ACC 000** | 0 | 34.90 | | 55 | | 35.74 | 55 | 34.90 | 152 | 82 |
| **EONA72ACC 060** | 6 | 34.90 | 18.8 | 55 | 20 | 35.74 | 55 | 34.90 | 152 | 82 |
| **EONA72ACC 090** | 9 | 34.90 | 28.3 | 55 | 30 | 35.74 | 55 | 34.90 | 152 | 82 |
| **EONA72ACC 120** | 12 | 34.90 | 37.7 | 55 | 40 | 41.70 | 55 | 37.70 | 152 | 82 |
| **EONA72ACC 150** | 15 | 34.90 | 47.1 | 55 | 50 | 51.12 | 55 | 47.12 | 152 | 82 |

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

MCA & MFS are calculated at 230 volts on the ACA & ACC models. The 460 volts ACD 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.

# Summary Electrical Ratings (Wire and Circuit Breaker Sizing): EXNA/EONA24-72 Single Compressor Air Conditioners Power Supply: "D" (460V-3Ø-60Hz)

| Model Number | Heater (kW) | Circuit #1 | Circuit #2 | Circuit #1 | Circuit #2 | SPPE[3] MCA[1] | SPPE[3] MFS[2] | Incoming Power | | AC Power |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Cooling MCA[1] | Heating MCA[1] | Cooling MFS[2] | Heating MFS[2] | | | Overall MCA[1] | Bonding Conductors (Amps) | Bonding Conductors (AC - Amps) |
| **EXNA/EONA24ACD 000** | 0 | 7.40 | | 10 | | 7.82 | 15 | 7.40 | 152 | 82 |
| **EONA24ACD 050** | 5 | 7.40 | 7.9 | 10 | 15 | 8.85 | 15 | 7.85 | 152 | 82 |
| **EONA24ACD 060** | 6 | 7.40 | 9.4 | 10 | 15 | 10.42 | 15 | 9.42 | 152 | 82 |
| **EONA24ACD 090** | 9 | 7.40 | 14.1 | 10 | 15 | 15.14 | 20 | 14.14 | 152 | 82 |
| **EONA24ACD 100** | 10 | 7.40 | 15.7 | 10 | 20 | 16.71 | 20 | 15.71 | 152 | 82 |
| **EXNA/EONA30ACD 000** | 0 | 9.19 | | 15 | | 9.61 | 15 | 9.19 | 152 | 82 |
| **EONA30ACD 060** | 6 | 9.19 | 9.4 | 15 | 15 | 11.92 | 15 | 9.42 | 152 | 82 |
| **EONA30ACD 090** | 9 | 9.19 | 14.1 | 15 | 15 | 16.64 | 20 | 14.14 | 152 | 82 |
| **EONA30ACD 120** | 12 | 9.19 | 18.8 | 15 | 20 | 21.35 | 25 | 18.85 | 152 | 82 |
| **EXNA/EONA36ACD 000** | 0 | 9.59 | | 15 | | 10.01 | 15 | 9.59 | 152 | 82 |
| **EONA36ACD 060** | 6 | 9.59 | 9.4 | 15 | 15 | 11.92 | 15 | 9.59 | 152 | 82 |
| **EONA36ACD 090** | 9 | 9.59 | 14.1 | 15 | 15 | 16.64 | 20 | 14.14 | 152 | 82 |
| **EONA36ACD 120** | 12 | 9.59 | 18.8 | 15 | 20 | 21.35 | 25 | 18.85 | 152 | 82 |
| **EONA36ACD 150** | 15 | 9.59 | 23.6 | 15 | 25 | 26.06 | 30 | 23.56 | 152 | 82 |
| **EXNA/EONA42ACD 000** | 0 | 10.75 | | 15 | | 11.17 | 15 | 10.75 | 152 | 82 |
| **EONA42ACD 060** | 6 | 10.75 | 9.4 | 15 | 15 | 13.12 | 15 | 10.75 | 152 | 82 |
| **EONA42ACD 090** | 9 | 10.75 | 14.1 | 15 | 15 | 17.84 | 20 | 14.14 | 152 | 82 |
| **EONA42ACD 120** | 12 | 10.75 | 18.8 | 15 | 20 | 22.55 | 25 | 18.85 | 152 | 82 |
| **EONA42ACD 150** | 15 | 10.75 | 23.6 | 15 | 25 | 27.26 | 30 | 23.56 | 152 | 82 |
| **EXNA/EONA48ACD 000** | 0 | 10.91 | | 20 | | 11.33 | 20 | 10.91 | 152 | 82 |
| **EONA48ACD 060** | 6 | 10.91 | 9.4 | 20 | 15 | 13.12 | 20 | 10.91 | 152 | 82 |
| **EONA48ACD 090** | 9 | 10.91 | 14.1 | 20 | 15 | 17.84 | 20 | 14.14 | 152 | 82 |
| **EONA48ACD 120** | 12 | 10.91 | 18.8 | 20 | 20 | 22.55 | 25 | 18.85 | 152 | 82 |
| **EONA48ACD 150** | 15 | 10.91 | 23.6 | 20 | 25 | 27.26 | 30 | 23.56 | 152 | 82 |
| **EXNA/EONA60ACD 000** | 0 | 12.98 | | 20 | | 13.40 | 20 | 12.98 | 152 | 82 |
| **EONA60ACD 060** | 6 | 12.98 | 9.4 | 20 | 15 | 13.42 | 20 | 12.98 | 152 | 82 |
| **EONA60ACD 090** | 9 | 12.98 | 14.1 | 20 | 15 | 18.14 | 20 | 14.14 | 152 | 82 |
| **EONA60ACD 120** | 12 | 12.98 | 18.8 | 20 | 20 | 22.85 | 25 | 18.85 | 152 | 82 |
| **EONA60ACD 150** | 15 | 12.98 | 23.6 | 20 | 25 | 27.56 | 30 | 23.56 | 152 | 82 |
| **EXNA/EONA72ACD 000** | 0 | 16.65 | | 30 | | 17.07 | 30 | 16.65 | 152 | 82 |
| **EONA72ACD 060** | 6 | 16.65 | 9.4 | 30 | 15 | 17.07 | 30 | 16.65 | 152 | 82 |
| **EONA72ACD 090** | 9 | 16.65 | 14.1 | 30 | 15 | 18.14 | 30 | 16.65 | 152 | 82 |
| **EONA72ACD 120** | 12 | 16.65 | 18.8 | 30 | 20 | 22.85 | 30 | 18.85 | 152 | 82 |
| **EONA72ACD 150** | 15 | 16.65 | 23.6 | 30 | 25 | 27.56 | 30 | 23.56 | 152 | 82 |

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

MCA & MFS are calculated at 230 volts on the ACA & ACC models. The 460 volts ACD 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.

# Summary Electrical Ratings (Wire and Circuit Breaker Sizing): EXNA/EONA24-72 Single Compressor Air Conditioners Power Supply: "Z" (575V-3Ø-60Hz)

| Model Number | Heater (kW) | Circuit #1 | Circuit #2 | Circuit #1 | Circuit #2 | SPPE[3] MCA[1] | SPPE[3] MFS[2] | Incoming Power | | AC Power |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Cooling MCA[1] | Heating MCA[1] | Cooling MFS[2] | Heating MFS[2] | | | Overall MCA[1] | Bonding Conductors (Amps) | Bonding Conductors (AC - Amps) |
| **EXNA/EONA24ACZ 000** | 0 | 4.96 | | 5 | | 5.30 | 15 | 4.96 | 152 | 82 |
| **EONA24ACZ 060** | 6 | 4.96 | 7.5 | 5 | 15 | 8.54 | 15 | 7.54 | 152 | 82 |
| **EONA24ACZ 060** | 9 | 4.96 | 11.3 | 5 | 15 | 12.31 | 15 | 11.31 | 152 | 82 |
| **EONA24ACZ 120** | 12 | 4.96 | 15.1 | 5 | 20 | 16.08 | 20 | 15.08 | 152 | 82 |
| **EXNA/EONA30ACZ 000** | 0 | 7.56 | | 10 | | 7.89 | 15 | 7.56 | 152 | 82 |
| **EONA30ACZ 060** | 6 | 7.56 | 7.5 | 10 | 15 | 10.04 | 15 | 7.56 | 152 | 82 |
| **EONA30ACZ 090** | 9 | 7.56 | 11.3 | 10 | 15 | 13.81 | 15 | 11.31 | 152 | 82 |
| **EONA30ACZ 120** | 12 | 7.56 | 15.1 | 10 | 20 | 17.58 | 20 | 15.08 | 152 | 82 |
| **EXNA/EONA36ACZ 000** | 0 | 6.92 | | 10 | | 7.26 | 15 | 6.92 | 152 | 82 |
| **EONA36ACZ 060** | 6 | 6.92 | 7.5 | 10 | 15 | 10.04 | 15 | 7.54 | 152 | 82 |
| **EONA36ACZ 090** | 9 | 6.92 | 11.3 | 10 | 15 | 13.81 | 15 | 11.31 | 152 | 82 |
| **EONA36ACZ 120** | 12 | 6.92 | 15.1 | 10 | 20 | 17.58 | 20 | 15.08 | 152 | 82 |
| **EONA36ACZ 150** | 15 | 6.92 | 18.8 | 10 | 20 | 21.35 | 25 | 18.85 | 152 | 82 |
| **EXNA/EONA42ACZ 000** | 0 | 7.72 | | 15 | | 8.06 | 15 | 7.72 | 152 | 82 |
| **EONA42ACZ 060** | 6 | 7.72 | 7.5 | 15 | 15 | 11.24 | 15 | 7.72 | 152 | 82 |
| **EONA42ACZ 090** | 9 | 7.72 | 11.3 | 15 | 15 | 15.01 | 20 | 11.31 | 152 | 82 |
| **EONA42ACZ 120** | 12 | 7.72 | 15.1 | 15 | 20 | 18.78 | 20 | 15.08 | 152 | 82 |
| **EONA42ACZ 150** | 15 | 7.72 | 18.8 | 15 | 20 | 22.55 | 25 | 18.85 | 152 | 82 |
| **EXNA/EONA48ACZ 000** | 0 | 8.52 | | 15 | | 8.86 | 15 | 8.52 | 152 | 82 |
| **EONA48ACZ 060** | 6 | 8.52 | 7.5 | 15 | 15 | 11.24 | 15 | 8.52 | 152 | 82 |
| **EONA48ACZ 090** | 9 | 8.52 | 11.3 | 15 | 15 | 15.01 | 20 | 11.31 | 152 | 82 |
| **EONA48ACZ 120** | 12 | 8.52 | 15.1 | 15 | 20 | 18.78 | 20 | 15.08 | 152 | 82 |
| **EONA48ACZ 150** | 15 | 8.52 | 18.8 | 15 | 20 | 22.55 | 25 | 18.85 | 152 | 82 |
| **EXNA/EONA60ACZ 000** | 0 | 9.92 | | 15 | | 10.25 | 15 | 9.92 | 152 | 82 |
| **EONA60ACZ 060** | 6 | 9.92 | 7.5 | 15 | 15 | 11.54 | 15 | 9.92 | 152 | 82 |
| **EONA60ACZ 090** | 9 | 9.92 | 11.3 | 15 | 15 | 15.31 | 20 | 11.31 | 152 | 82 |
| **EONA60ACZ 120** | 12 | 9.92 | 15.1 | 15 | 20 | 19.08 | 20 | 15.08 | 152 | 82 |
| **EONA60ACZ 150** | 15 | 9.92 | 18.8 | 15 | 20 | 22.85 | 25 | 18.85 | 152 | 82 |
| **EXNA/EONA72ACZ 000** | 0 | 12.36 | | 20 | | 12.70 | 20 | 12.36 | 152 | 82 |
| **EONA72ACZ 090** | 9 | 12.36 | 11.3 | 20 | 15 | 15.31 | 20 | 12.36 | 152 | 82 |
| **EONA72ACZ 120** | 12 | 12.36 | 15.1 | 20 | 20 | 19.08 | 20 | 15.08 | 152 | 82 |
| **EONA72ACZ 150** | 15 | 12.36 | 18.8 | 20 | 20 | 22.85 | 25 | 18.85 | 152 | 82 |

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

MCA & MFS are calculated at 230 volts on the ACA & ACC models. The 460 volts ACD 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.

# Summary Electrical Ratings (Wire and Circuit Breaker Sizing): EXNDA/EONDA90-240 Dual Compressor Air Conditioners Power Supply: "D" (460V-3Ø-60Hz) & "Z" (575V-3Ø-60Hz)

| Model Number | Heater (kW) | Circuit #1 | Circuit #2 | Circuit #1 | Circuit #2 | SPPE[3] MCA[1] | SPPE[3] MFS[2] | Incoming Power | | AC Power |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Cooling MCA[1] | Heating MCA[1] | Cooling MFS[2] | Heating MFS[2] | | | Overall MCA[1] | Bonding Conductors (Amps) | Bonding Conductors (AC - Amps) |
| **EXNDA/EONDA90ACD 000** | 0 | 24.24 | | 30 | | 24.24 | 30 | 24.24 | 152 | 82 |
| **EONDA90ACD 060** | 6 | 24.24 | 9.42 | 30 | 10 | 24.24 | 30 | 24.24 | 152 | 82 |
| **EONDA90ACD 090** | 9 | 24.24 | 14.14 | 30 | 15 | 24.24 | 30 | 24.24 | 152 | 82 |
| **EONDA90ACD 120** | 12 | 24.24 | 18.85 | 30 | 20 | 24.24 | 30 | 24.24 | 152 | 82 |
| **EONDA90ACD 150** | 15 | 24.24 | 23.56 | 30 | 25 | 28.26 | 30 | 24.24 | 152 | 82 |
| **EXNDA/EONDA120ACD 000** | 0 | 32.02 | | 40 | | 32.44 | 40 | 32.02 | 152 | 82 |
| **EONDA120ACD 060** | 6 | 32.02 | 9.42 | 40 | 15 | 32.44 | 40 | 32.02 | 152 | 82 |
| **EONDA120ACD 090** | 9 | 32.02 | 14.14 | 40 | 15 | 32.44 | 40 | 32.02 | 152 | 82 |
| **EONDA120ACD 120** | 12 | 32.02 | 18.85 | 40 | 20 | 32.44 | 40 | 32.02 | 152 | 82 |
| **EONDA120ACD 150** | 15 | 32.02 | 23.56 | 40 | 25 | 32.96 | 40 | 32.02 | 152 | 82 |
| **EXNDA/EONDA150ACD 000** | 0 | 28.25 | | 35 | | 28.67 | 35 | 28.25 | 152 | 82 |
| **EONDA150ACD 060** | 6 | 28.25 | 9.42 | 35 | 15 | 28.67 | 35 | 28.25 | 152 | 82 |
| **EONDA150ACD 090** | 9 | 28.25 | 14.14 | 35 | 15 | 28.67 | 35 | 28.25 | 152 | 82 |
| **EONDA150ACD 120** | 12 | 28.25 | 18.85 | 35 | 20 | 28.67 | 35 | 28.25 | 152 | 82 |
| **EONDA150ACD 150** | 15 | 28.25 | 23.56 | 35 | 25 | 32.56 | 35 | 28.25 | 152 | 82 |
| **EXNDA/EONDA180ACD 000** | 0 | 49.64 | | 65 | | 50.06 | 65 | 49.64 | 152 | 82 |
| **EONDA180ACD 060** | 6 | 49.64 | 9.42 | 65 | 15 | 50.06 | 65 | 49.64 | 152 | 82 |
| **EONDA180ACD 090** | 9 | 49.64 | 14.14 | 65 | 15 | 50.06 | 65 | 49.64 | 152 | 82 |
| **EONDA180ACD 120** | 12 | 49.64 | 18.85 | 65 | 20 | 50.06 | 65 | 49.64 | 152 | 82 |
| **EONDA180ACD 150** | 15 | 49.64 | 23.56 | 65 | 25 | 50.06 | 65 | 49.64 | 152 | 82 |
| **EXNDA/EONDA240ACD 000** | 0 | 56.84 | | 80 | | 57.26 | 80 | 56.84 | 152 | 82 |
| **EONDA240ACD 060** | 6 | 56.84 | 9.42 | 80 | 15 | 57.26 | 80 | 56.84 | 152 | 82 |
| **EONDA240ACD 090** | 9 | 56.84 | 14.14 | 80 | 15 | 57.26 | 80 | 56.84 | 152 | 82 |
| **EONDA240ACD 120** | 12 | 56.84 | 18.85 | 80 | 20 | 57.26 | 80 | 56.84 | 152 | 82 |
| **EONDA240ACD 150** | 15 | 56.84 | 23.56 | 80 | 25 | 57.26 | 80 | 56.84 | 152 | 82 |
| **EXNDA/EONDA90ACZ 000** | 0 | 18.07 | | 20 | | 18.07 | 20 | 18.07 | 152 | 82 |
| **EONDA90ACZ 060** | 6 | 18.07 | 7.54 | 20 | 10 | 18.07 | 20 | 18.07 | 152 | 82 |
| **EONDA90ACZ 090** | 9 | 18.07 | 11.31 | 20 | 15 | 18.07 | 20 | 18.07 | 152 | 82 |
| **EONDA90ACZ 120** | 12 | 18.07 | 15.08 | 20 | 20 | 19.78 | 20 | 18.07 | 152 | 82 |
| **EONDA90ACZ 150** | 15 | 18.07 | 18.85 | 20 | 20 | 23.55 | 20 | 18.07 | 152 | 82 |
| **EXNDA/EONDA120ACZ 000** | 0 | 23.88 | | 30 | | 24.21 | 30 | 23.88 | 152 | 82 |
| **EONDA120ACZ 060** | 6 | 23.88 | 7.54 | 30 | 15 | 24.21 | 30 | 23.88 | 152 | 82 |
| **EONDA120ACZ 090** | 9 | 23.88 | 11.31 | 30 | 15 | 24.21 | 30 | 23.88 | 152 | 82 |
| **EONDA120ACZ 120** | 12 | 23.88 | 15.08 | 30 | 20 | 24.21 | 30 | 23.88 | 152 | 82 |
| **EONDA120ACZ 150** | 15 | 23.88 | 18.85 | 30 | 20 | 28.25 | 30 | 23.88 | 152 | 82 |
| **EXNDA/EONDA150ACZ 000** | 0 | 25.86 | | 30 | | 26.28 | 30 | 25.86 | 152 | 82 |
| **EONDA150ACZ 060** | 6 | 25.86 | 7.54 | 30 | 15 | 26.28 | 30 | 25.86 | 152 | 82 |
| **EONDA150ACZ 090** | 9 | 25.86 | 11.31 | 30 | 15 | 26.28 | 30 | 25.86 | 152 | 82 |
| **EONDA150ACZ 120** | 12 | 25.86 | 15.08 | 30 | 20 | 26.28 | 30 | 25.86 | 152 | 82 |
| **EONDA150ACZ 150** | 15 | 25.86 | 18.85 | 30 | 20 | 27.85 | 30 | 25.86 | 152 | 82 |
| **EXNDA/EONDA180ACZ 000** | 0 | 40.55 | | 50 | | 40.89 | 50 | 40.55 | 152 | 82 |
| **EONDA180ACZ 060** | 6 | 40.55 | 7.54 | 50 | 15 | 40.89 | 50 | 40.55 | 152 | 82 |
| **EONDA180ACZ 090** | 9 | 40.55 | 11.31 | 50 | 15 | 40.89 | 50 | 40.55 | 152 | 82 |
| **EONDA180ACZ 120** | 12 | 40.55 | 15.08 | 50 | 20 | 40.89 | 50 | 40.55 | 152 | 82 |
| **EONDA180ACZ 150** | 15 | 40.55 | 18.85 | 50 | 20 | 40.89 | 50 | 40.55 | 152 | 82 |
| **EXNDA/EONDA240ACZ 000** | 0 | 42.31 | | 60 | | 42.65 | 60 | 42.31 | 152 | 82 |
| **EONDA240ACZ 060** | 6 | 42.31 | 7.54 | 60 | 15 | 42.65 | 60 | 42.31 | 152 | 82 |
| **EONDA240ACZ 090** | 9 | 42.31 | 11.31 | 60 | 15 | 42.65 | 60 | 42.31 | 152 | 82 |
| **EONDA240ACZ 120** | 12 | 42.31 | 15.08 | 60 | 20 | 42.65 | 60 | 42.31 | 152 | 82 |
| **EONDA240ACZ 150** | 15 | 42.31 | 18.85 | 60 | 20 | 42.65 | 60 | 42.31 | 152 | 82 |

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

MCA & MFS are calculated at 230 volts on the ACA & ACC models. The 460 volts ACD 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: EXNA/EONA & EXNDA/EONDA Air Conditioners

| Model Number | Volts / Ph / Hz | AC Unit Amps | | | Optional Heating Element Amps (kW, Maximum)[4] | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AC[1] | IBM[2] | OFM[3] | 2.2 | 3.6 | 4.0 | 5.0 | 6.0 | 8.0 | 9.0 | 10.0 | 12.0 | 15.0 |
| EXNA/EONA12ACA | 208/230-1-60 | 7.5 | 1.4 | 0.6 | 9.2 | 15.0 | 16.7 | 20.8 | | | | | | |
| EXNA/EONA20ACA | | 17.8 | 1.0 | 1.0 | | 15.0 | 16.7 | 20.8 | 25.0 | 33.3 | | 41.7 | | |
| EXNA/EONA24ACA | | 17.1 | 1.0 | 1.0 | | 15.0 | 16.7 | 20.8 | 25.0 | 33.3 | | 41.7 | | |
| EXNA/EONA30ACA | | 20.8 | 2.5 | 1.8 | | 15.0 | 16.7 | 20.8 | 25.0 | 33.3 | | 41.7 | 50.0 | |
| EXNA/EONA36ACA | | 25.1 | 2.5 | 1.8 | | 15.0 | 16.7 | | 25.0 | 33.3 | | 41.7 | 50.0 | |
| EXNA/EONA42ACA | | 29.2 | 3.7 | 2.6 | | | 16.7 | | 25.0 | 33.3 | | 41.7 | 50.0 | |
| EXNA/EONA48ACA | | 31.4 | 3.7 | 2.6 | | | | 20.8 | | 33.3 | | 41.7 | 50.0 | |
| EXNA/EONA60ACA | | 36.7 | 4.0 | 2.6 | | | 16.7 | 20.8 | 25.0 | 33.3 | | 41.7 | 50.0 | |
| EXNA/EONA72ACA | | 41.3 | 4.0 | 2.9 | | | | 20.8 | | 33.3 | | 41.7 | 50.0 | |
| EXNA/EONA24ACC | 230-3-60 | 12.1 | 1.0 | 1.0 | | | | | 15.1 | | 22.6 | 25.1 | | |
| EXNA/EONA30ACC | | 15.1 | 2.5 | 1.8 | | | | | 15.1 | | 22.6 | 25.1 | 30.2 | |
| EXNA/EONA36ACC | | 19.8 | 2.5 | 1.8 | | | | | 15.1 | | 22.6 | | 30.2 | |
| EXNA/EONA42ACC | | 22.2 | 3.7 | 2.6 | | | | | 15.1 | | 22.6 | | 30.2 | 37.7 |
| EXNA/EONA48ACC | | 22.7 | 3.7 | 2.6 | | | | | 15.1 | | 22.6 | | 30.2 | |
| EXNA/EONA60ACC | | 24.8 | 4.0 | 2.6 | | | | | 15.1 | | 22.6 | | 30.2 | |
| EXNA/EONA72ACC | | 32.7 | 4.0 | 2.9 | | | | | 15.1 | | 22.6 | | 30.2 | 37.7 |
| EXNA/EONA24ACD | 460-3-60 | 8.54 | 1.0 | 1.0 | | | | 6.3 | 7.5 | | 11.3 | 12.6 | | |
| EXNA/EONA30ACD | | 11.4 | 2.5 | 1.8 | | | | | 7.5 | | 11.3 | | 15.1 | |
| EXNA/EONA36ACD | | 11.7 | 2.5 | 1.8 | | | | | 7.5 | | 11.3 | | 15.1 | 18.8 |
| EXNA/EONA42ACD | | 13.9 | 3.7 | 2.6 | | | | | 7.5 | | 11.3 | | 15.1 | 18.8 |
| EXNA/EONA48ACD | | 14.0 | 3.7 | 2.6 | | | | | 7.5 | | 11.3 | | 15.1 | 18.8 |
| EXNA/EONA60ACD | | 16.0 | 4.0 | 2.6 | | | | | 7.5 | | 11.3 | | 15.1 | 18.8 |
| EXNA/EONA72ACD | | 19.5 | 4.0 | 2.9 | | | | | 7.5 | | 11.3 | | 15.1 | 18.8 |
| EXNDA/EONDA90ACD | | 26.7 | 4.7 (9.4) | 4.8 (9.6) | | | | | 7.5 | | 11.3 | | 15.1 | 18.8 |
| EXNDA/EONDA120ACD | | 30.3 | 4.7 (9.4) | 4.8 (9.6) | | | | | 7.5 | | 11.3 | | 15.1 | 18.8 |
| EXNDA/EONDA150ACD | | 35.8 | 4.7 (9.4) | 4.8 (9.6) | | | | | 7.5 | | 11.3 | | 15.1 | 18.8 |
| EXNDA/EONDA180ACD | | 52.6 | 4.7 (9.4) | 4.8 (9.6) | | | | | 7.5 | | 11.3 | | 15.1 | 18.8 |
| EXNDA/EONDA240ACD | | 59.8 | 4.7 (9.4) | 4.8 (9.6) | | | | | 7.5 | | 11.3 | | 15.1 | 18.8 |
| EXNA/EONA24ACZ | 575-3-60 | 6.5 | 1.0 | 1.0 | | | | | 6.0 | | 9.0 | | 12.1 | |
| EXNA/EONA30ACZ | | 9.3 | 2.5 | 1.8 | | | | | 6.0 | | 9.0 | | 12.1 | |
| EXNA/EONA36ACZ | | 9.7 | 2.5 | 1.8 | | | | | 6.0 | | 9.0 | | 12.1 | 15.1 |
| EXNA/EONA42ACZ | | 11.7 | 3.7 | 2.6 | | | | | 6.0 | | 9.0 | | 12.1 | 15.1 |
| EXNA/EONA48ACZ | | 11.9 | 3.7 | 2.6 | | | | | 6.0 | | 9.0 | | 12.1 | 15.1 |
| EXNA/EONA60ACZ | | 13.9 | 4.0 | 2.6 | | | | | 6.0 | | 9.0 | | 12.1 | 15.1 |
| EXNA/EONA72ACZ | | 16.3 | 4.0 | 2.9 | | | | | | | 9.0 | | 12.1 | 15.1 |
| EXNDA/EONDA90ACZ | | 21.0 | 4.7 (9.4) | 4.8 (9.6) | | | | | 6.0 | | 9.0 | | 12.1 | 15.1 |
| EXNDA/EONDA120ACZ | | 24.7 | 4.7 (9.4) | 4.8 (9.6) | | | | | 6.0 | | 9.0 | | 12.1 | 15.1 |
| EXNDA/EONDA150ACZ | | 32.2 | 4.7 (9.4) | 4.8 (9.6) | | | | | 6.0 | | 9.0 | | 12.1 | 15.1 |
| EXNDA/EONDA180ACZ | | 41.2 | 4.7 (9.4) | 4.8 (9.6) | | | | | 6.0 | | 9.0 | | 12.1 | 15.1 |
| EXNDA/EONDA240ACZ | | 48.6 | 4.7 (9.4) | 4.8 (9.6) | | | | | 6.0 | | 9.0 | | 12.1 | 15.1 |

[1]AC = Air Conditioner Unit Amps [2]IBM = Indoor Blower Motor [3]OFM = Outdoor Fan Motor

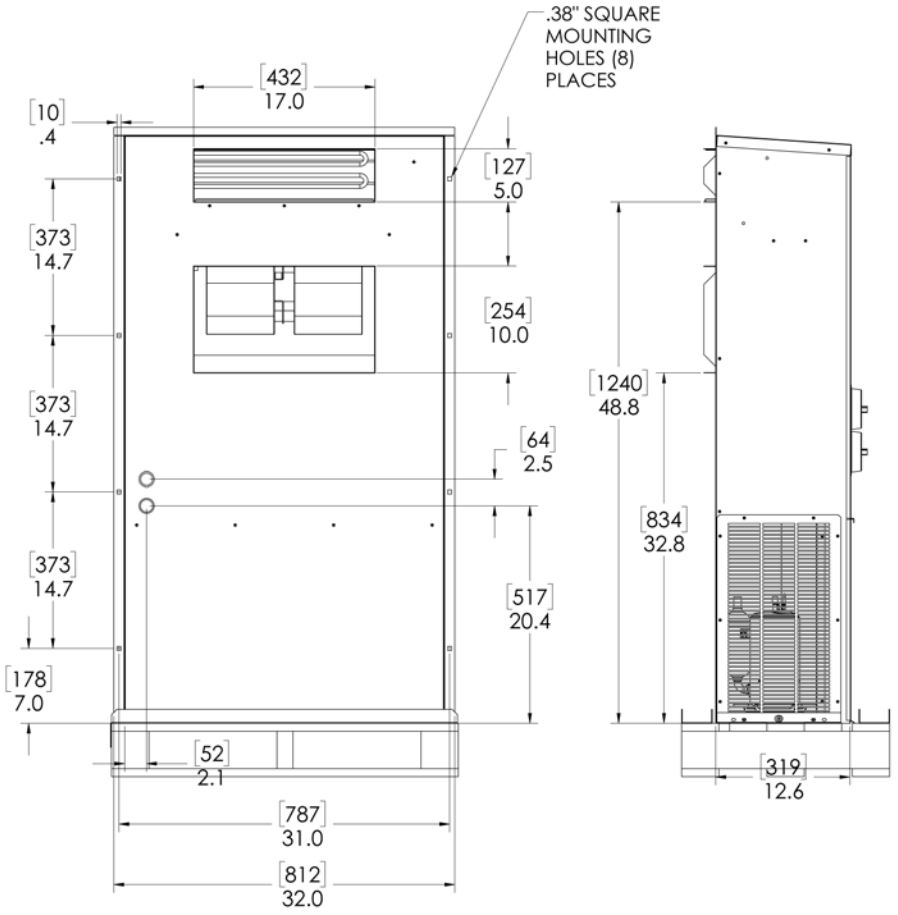
[4]Electric Heat is optional on EONA/EONDA models only. Electric heat is not available for EXNA/EXNDA models.

## Unit Shipping Weights

| Model Number | Pounds | Kilograms |
|---|---|---|
| EXNA/EONA12 | 185 | 84 |
| EXNA/EONA20/24 | 350 | 159 |
| EXNA/EONA30/36 | 420 | 191 |
| EXNA/EONA42/48/60 | 540 | 246 |
| EXNA/EONA72 | 680 | 309 |

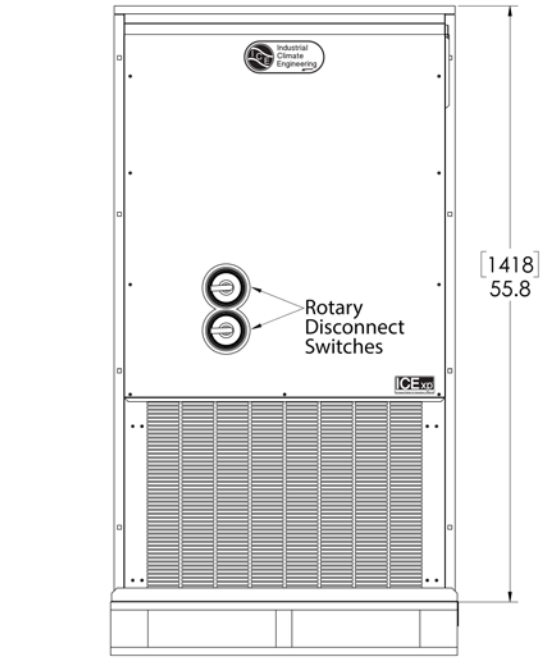
| Model Number | Pounds | Kilograms |
|---|---|---|
| EXNA/EONA90 | 1053 | 479 |
| EXNA/EONA120 | 1160 | 527 |
| EXNA/EONA150 | 1166 | 530 |
| EXNA/EONA180 | 2307 | 1049 |
| EXNA/EONA240 | 2523 | 1148 |

# Dimensional Data - EXNA/EONA12 Air Conditioners

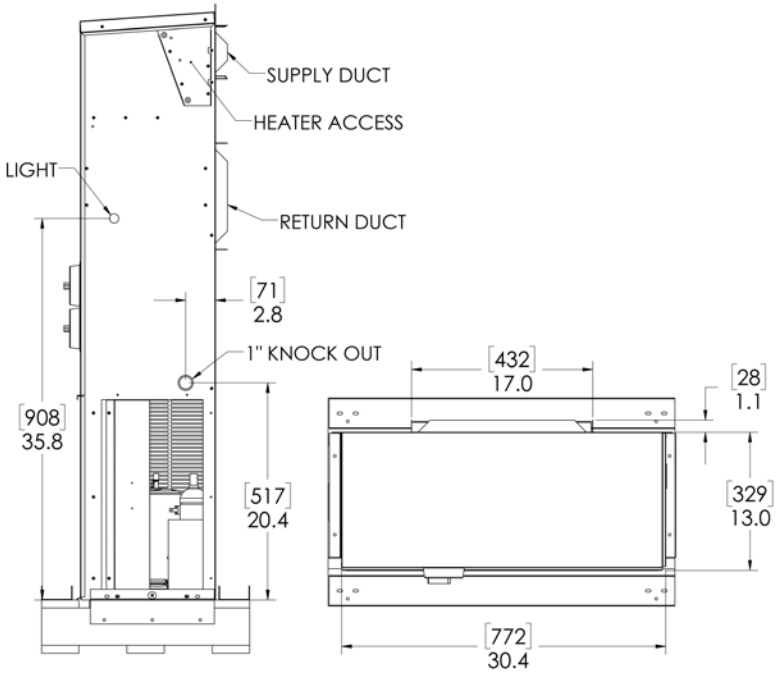



FRONT VIEW

LH SIDE VIEW



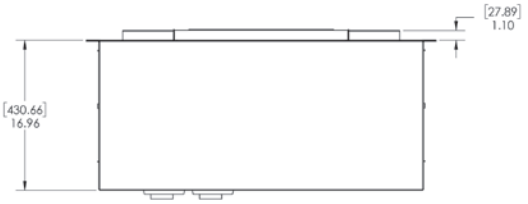

REAR VIEW



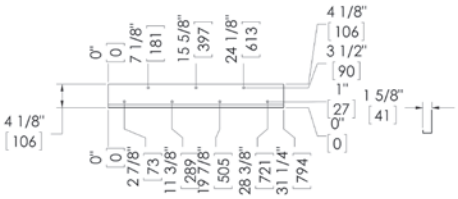

RH SIDE VIEW

TOP VIEW

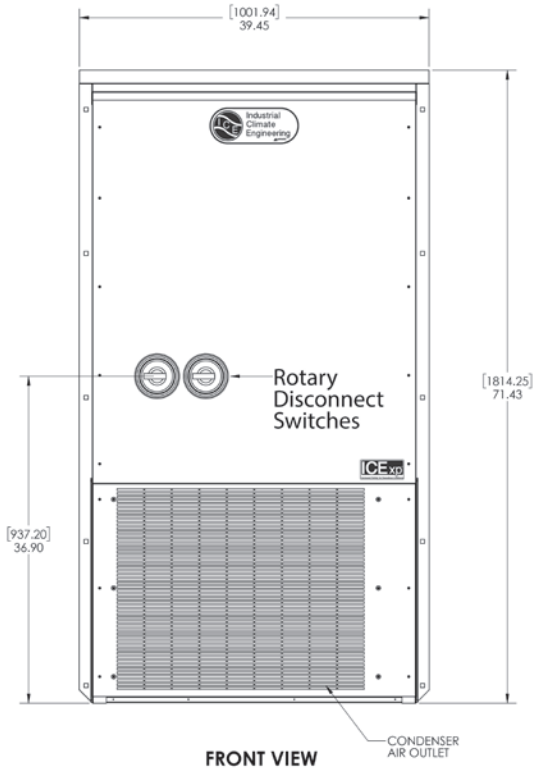
# Dimensional Data - EXNA/EONA20/24 Air Conditioners



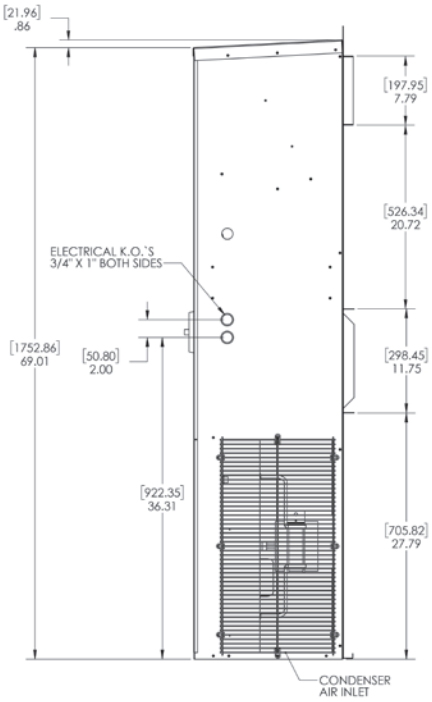

TOP VIEW



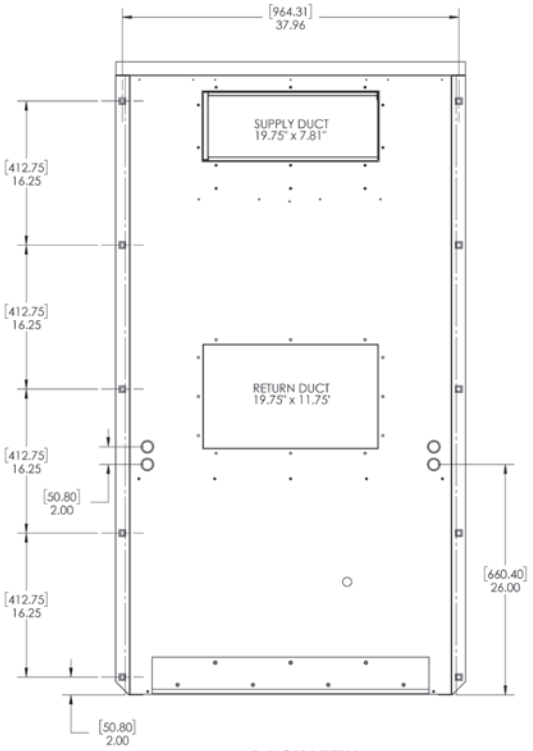

BOTTOM MOUNTING BRACKET



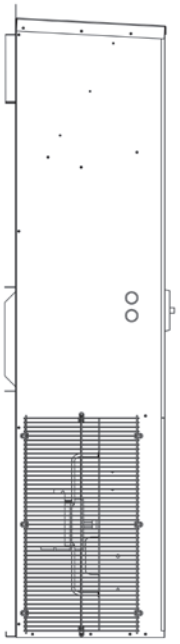

FRONT VIEW




RIGHT SIDE VIEW

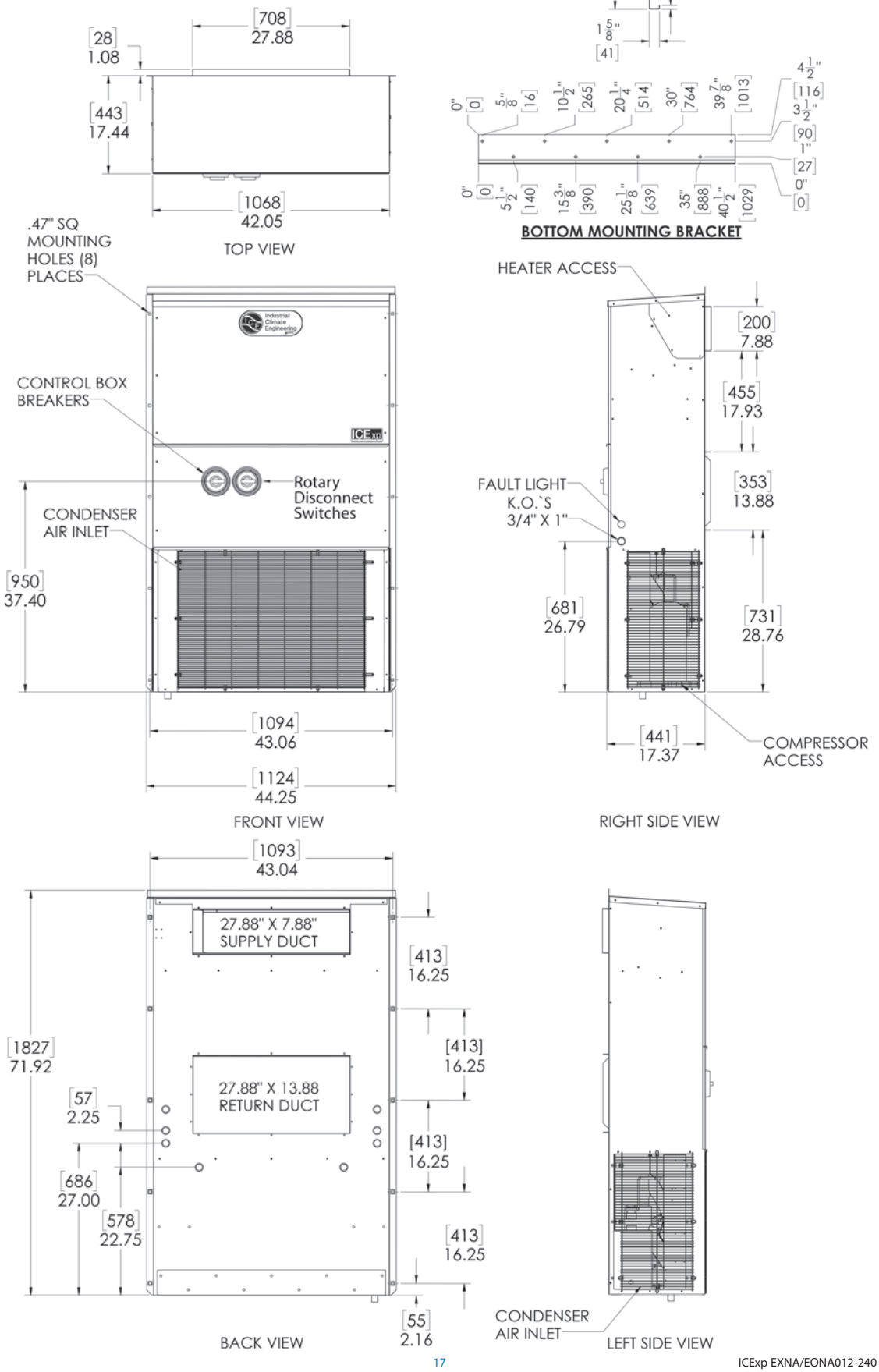



BACK VIEW

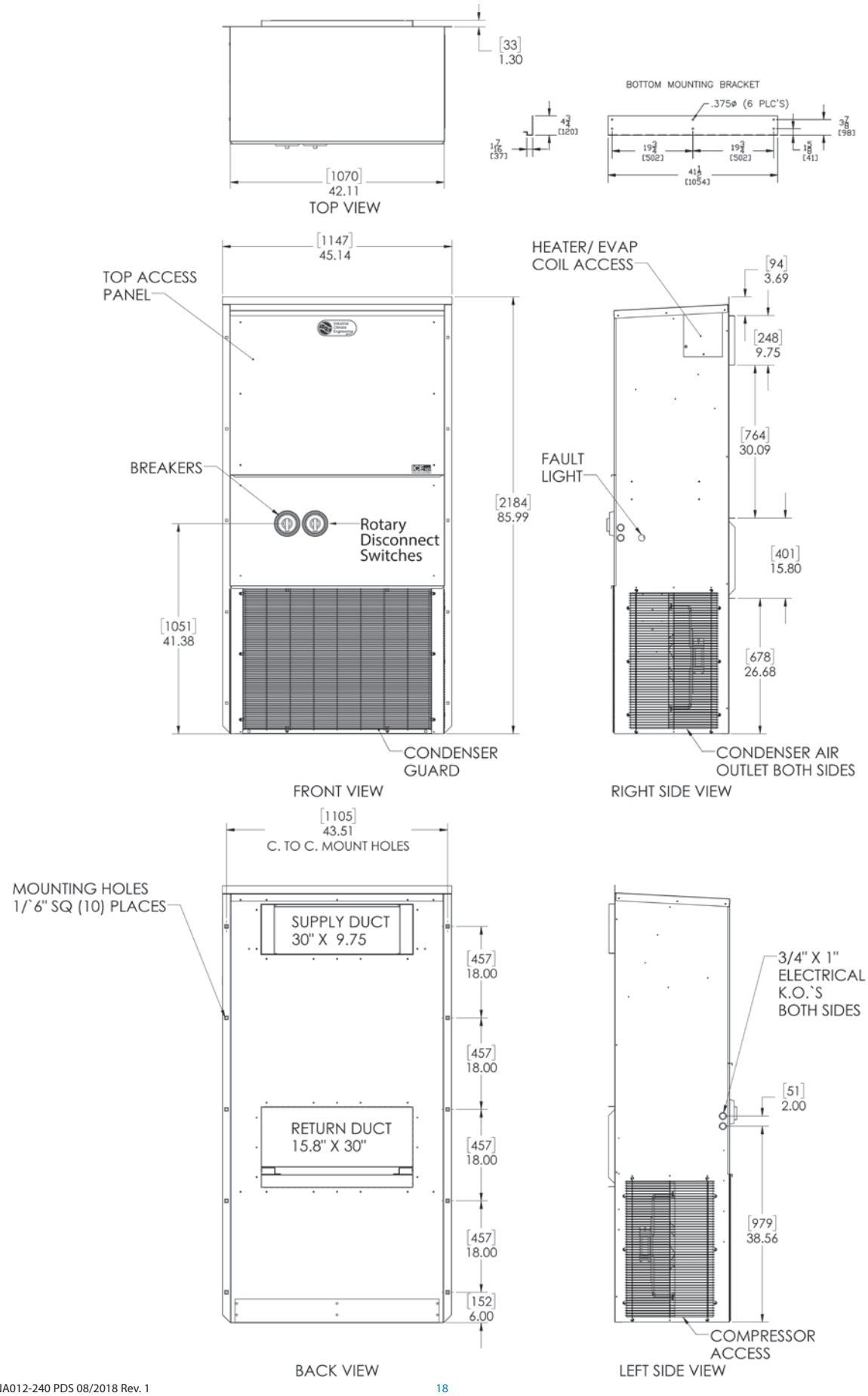


LEFT SIDE VIEW

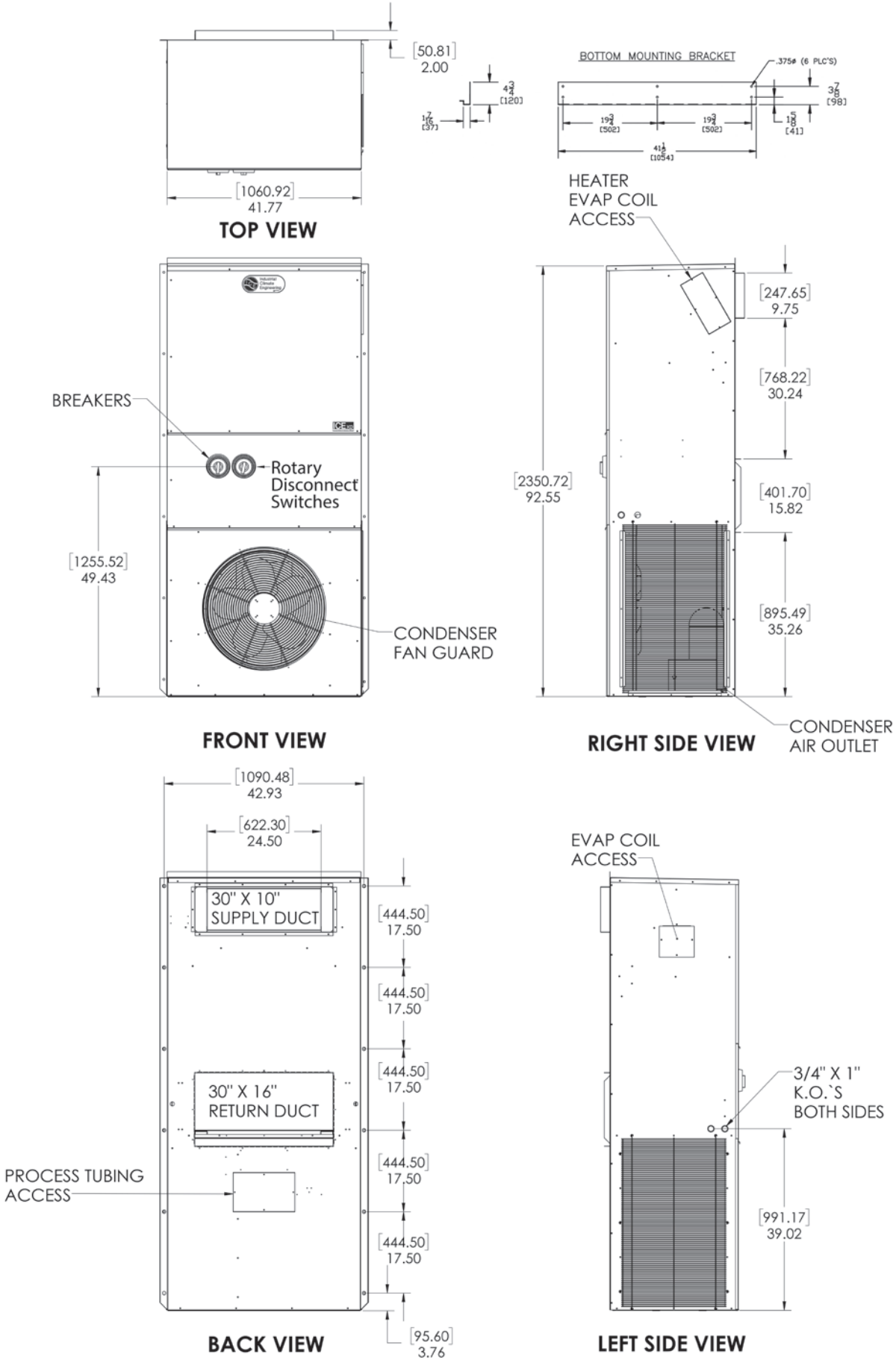
# Dimensional Data - EXNA/EONA30/36 Air Conditioners



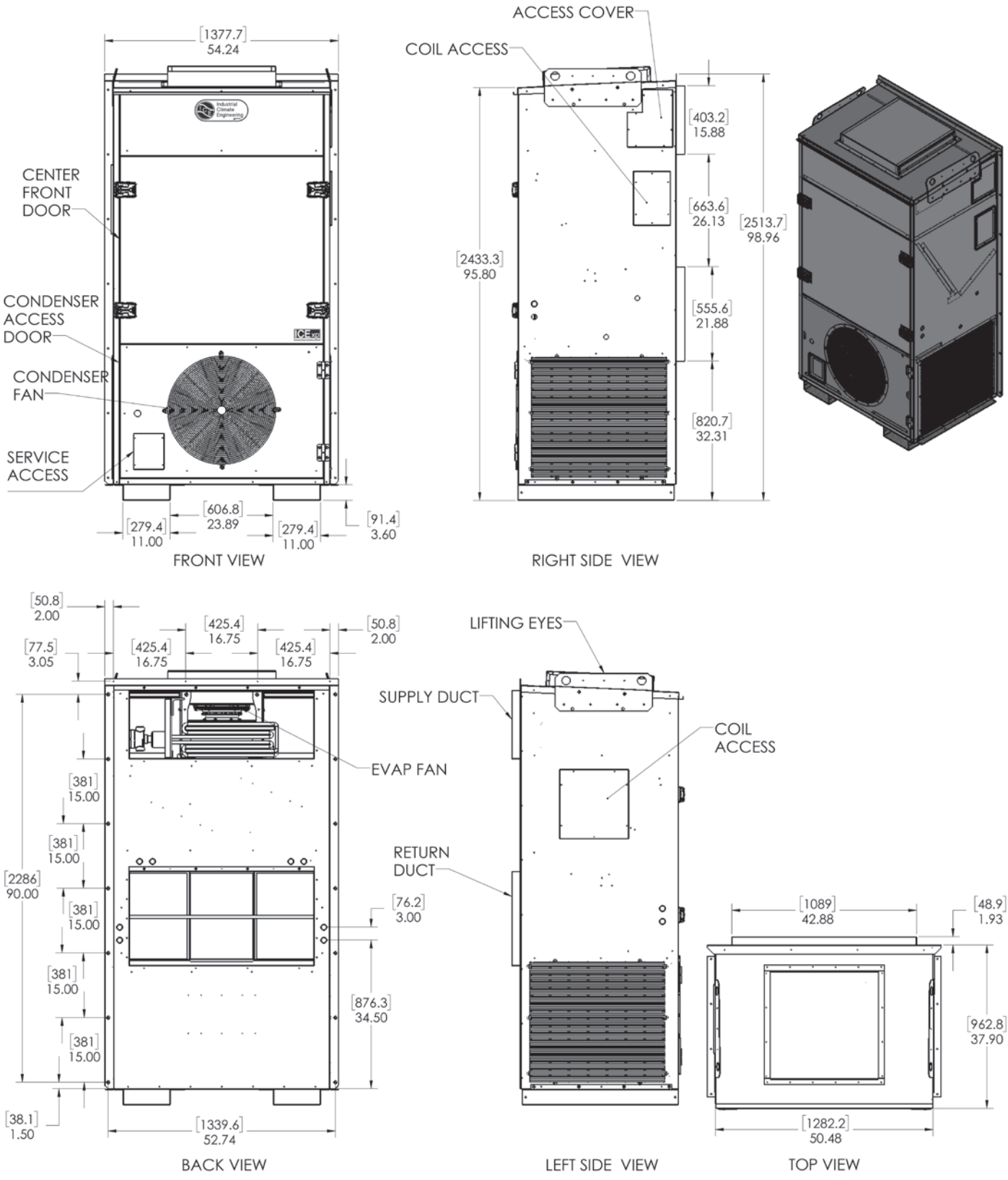
# Dimensional Data - EXNA/EONA42/48/60 Air Conditioners



# Dimensional Data - EXNA/EONA72 Air Conditioners



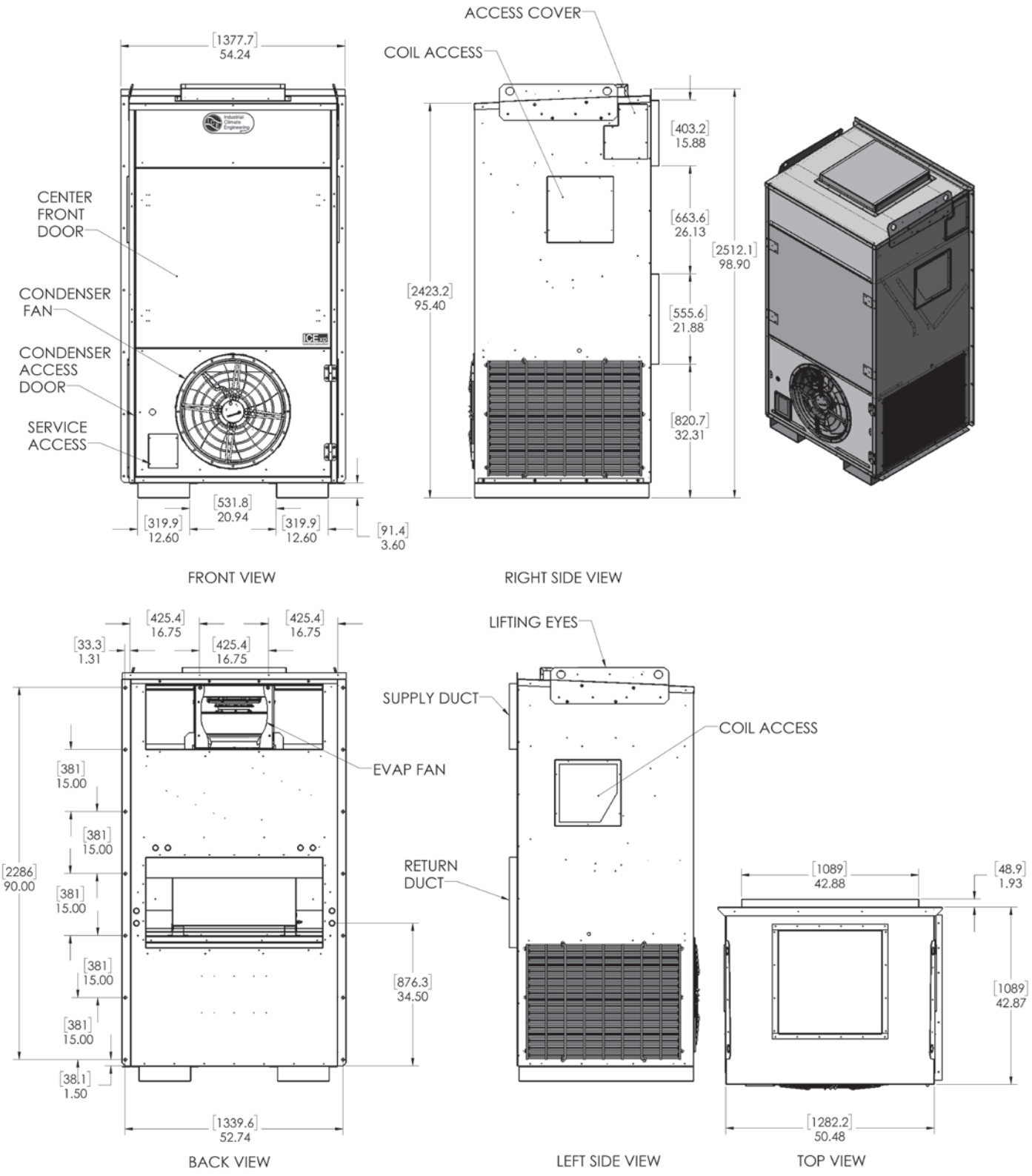
# Dimensional Data - EXNDA/EONDA90 Air Conditioner




## Filter Size

| EXNDA/EONDA90 | INCHES | MILLIMETERS | PART NUMBER | FILTERS PER UNIT | MERV RATING |
|---|---|---|---|---|---|
| Exterior Access Return Air Filter | 25” x 16” x 2” | 635 x 406 x 51 | 80137 | 3 | 8 |
| Interior Access Return Air Filter | 15” x 20” x 2” | 381 x 508 x 51 | 92365 | 3 | 8 |

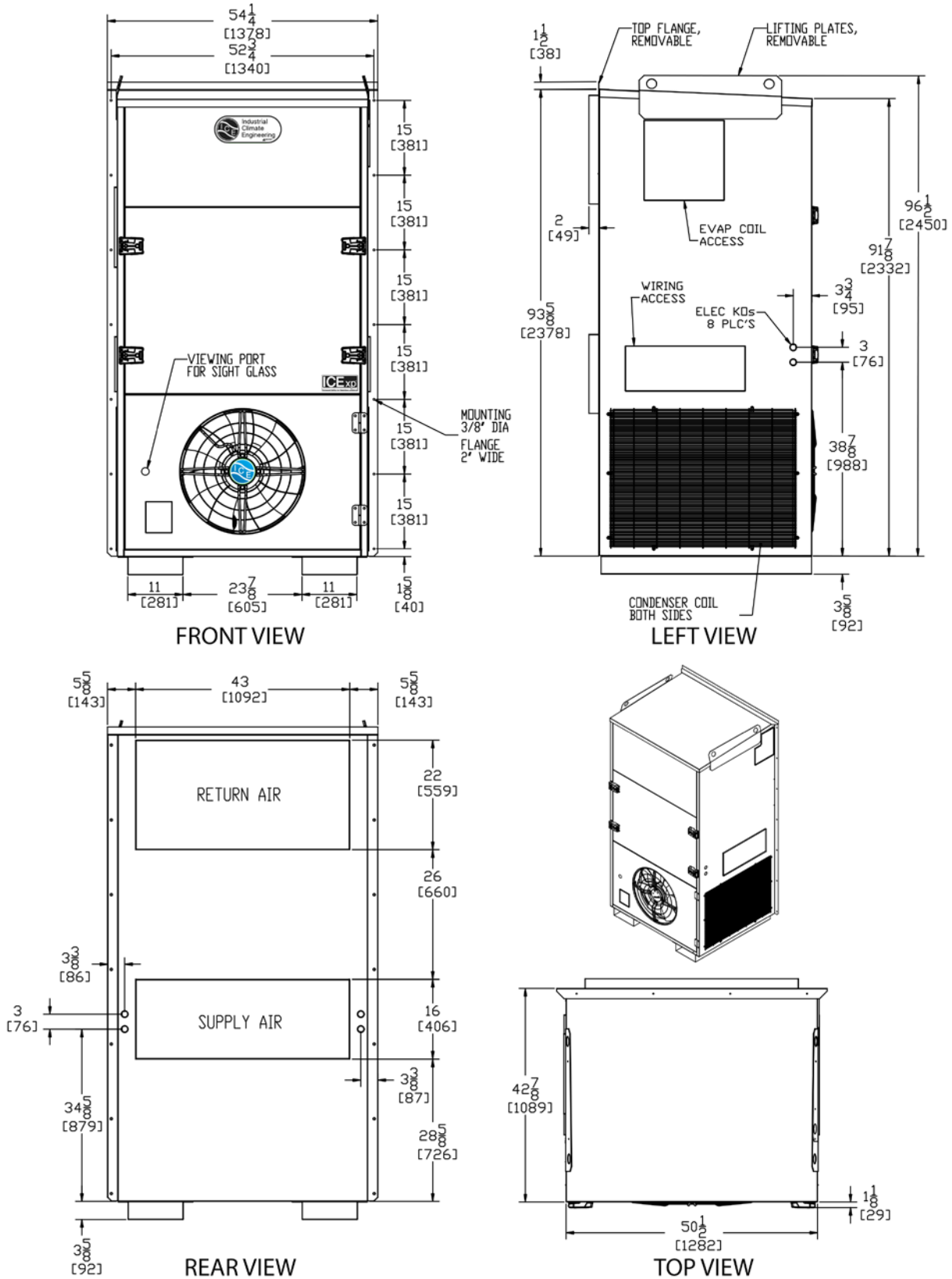
# Dimensional Data - EXNDA/EONDA120 & 150 Air Conditioner




## Filter Size

| EXNA/EONA120/150 | INCHES | MILLIMETERS | PART NUMBER | FILTERS PER UNIT | MERV RATING |
|---|---|---|---|---|---|
| Exterior Access Return Air Filter | 25” x 16” x 2” | 635 x 406 x 51 | 80137 | 3 | 8 |
| Interior Access Return Air Filter | 15” x 20” x 2” | 381 x 508 x 51 | 92365 | 3 | 8 |

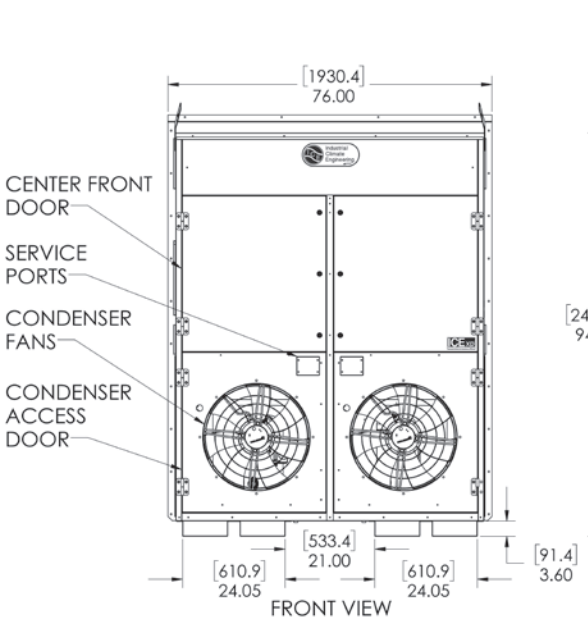
# Dimensional Data - EXNDA/EONDA120 & 150 Air Conditioner - Reverse Air Flow



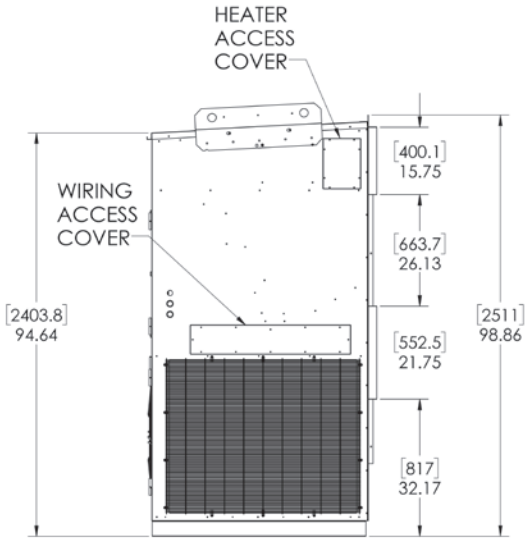

## Filter Size

| EXNA/EONA120/150 | INCHES | MILLIMETERS | PART NUMBER | FILTERS PER UNIT | MERV RATING |
|---|---|---|---|---|---|
| Exterior Access Return Air Filter | 25" x 16" x 2" | 635 x 406 x 51 | 80137 | 3 | 8 |
| Interior Access Return Air Filter | 15" x 20" x 2" | 381 x 508 x 51 | 92365 | 3 | 8 |

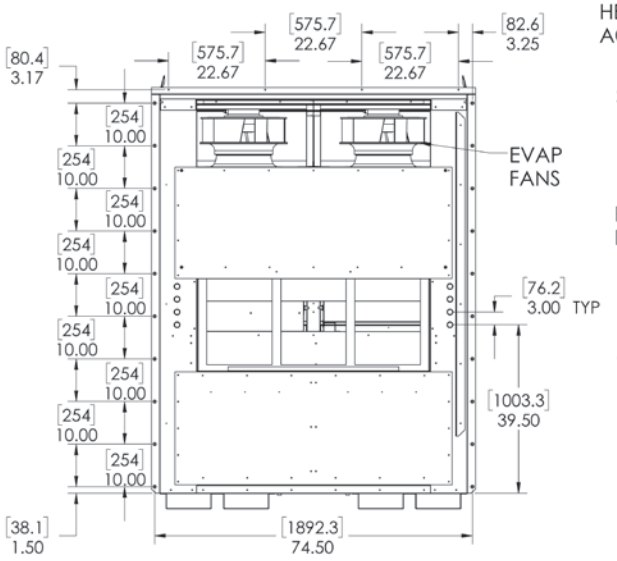
# Dimensional Data - EXNDA/EONDA180 & 240 Air Conditioner



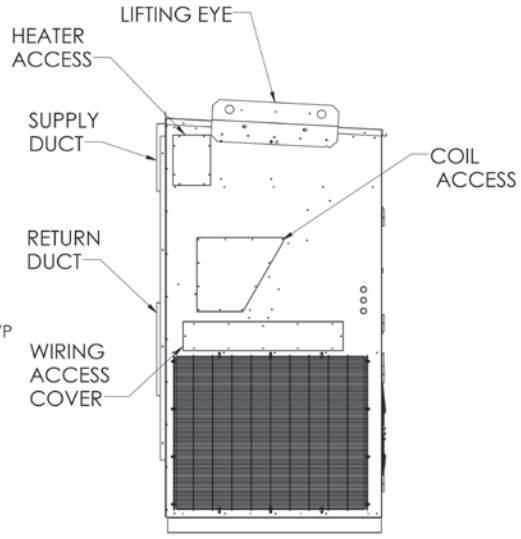

FRONT VIEW



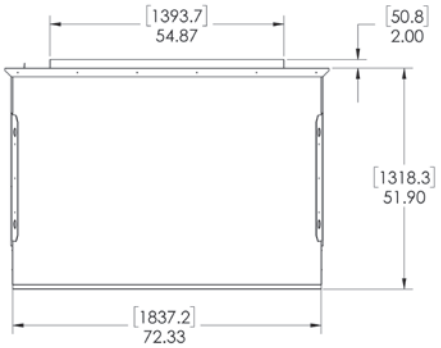

RIGHT SIDE VIEW



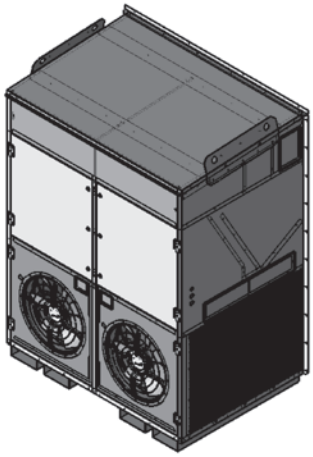

BACK SIDE VIEW




LEFT SIDE VIEW



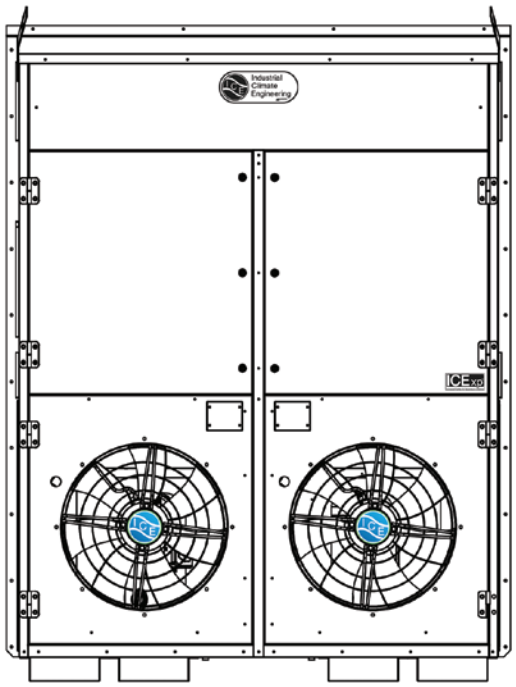

TOP VIEW



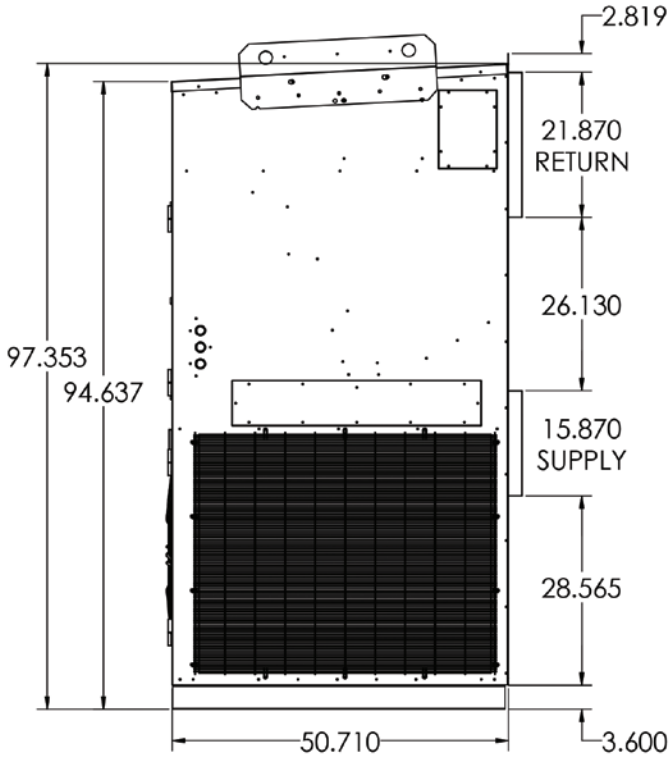
## Filter Size

| EXNDA/EONDA180/240 | INCHES | MILLIMETERS | PART NUMBER | FILTERS PER UNIT | MERV RATING |
|---|---|---|---|---|---|
| Exterior Access Return Air Filter | 25” x 16” x 2” | 635 x 406 x 51 | 80137 | 4 | 8 |
| Interior Access Return Air Filter | 24” x 18” x 2” | 610 x 457 x 51 | 81257 | 4 | 8 |

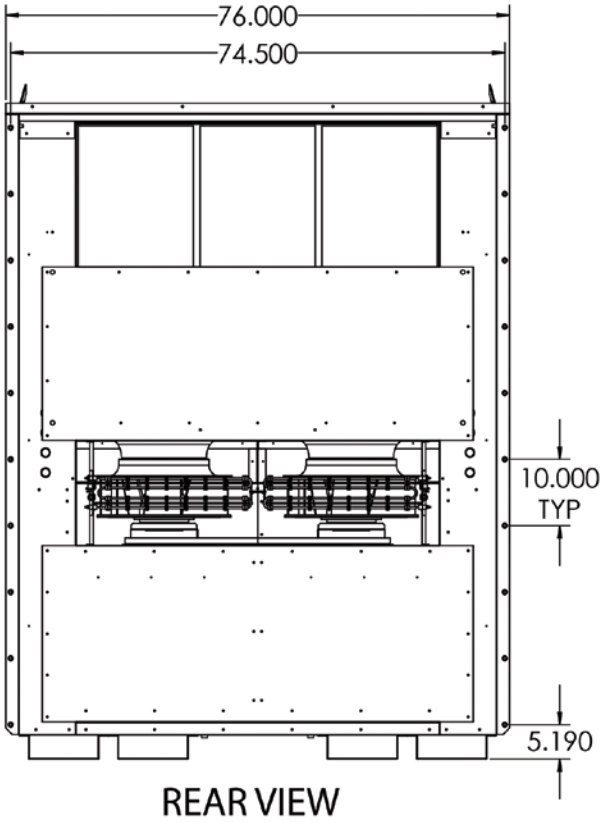
## Dimensional Data - EXNDA/EONDA180 & 240 Air Conditioner - Reverse Air Flow



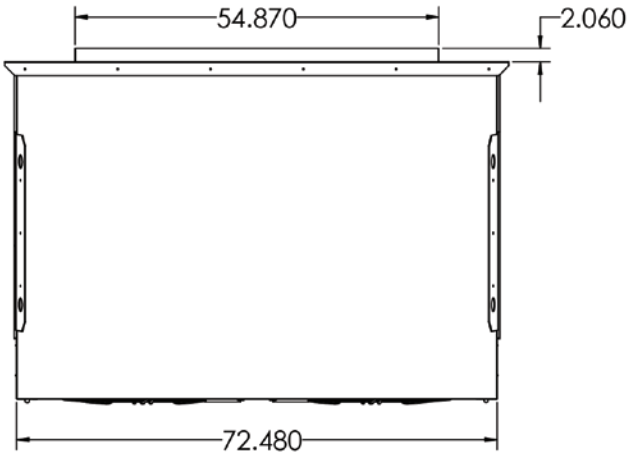
FRONT VIEW




RIGHT SIDE VIEW




REAR VIEW

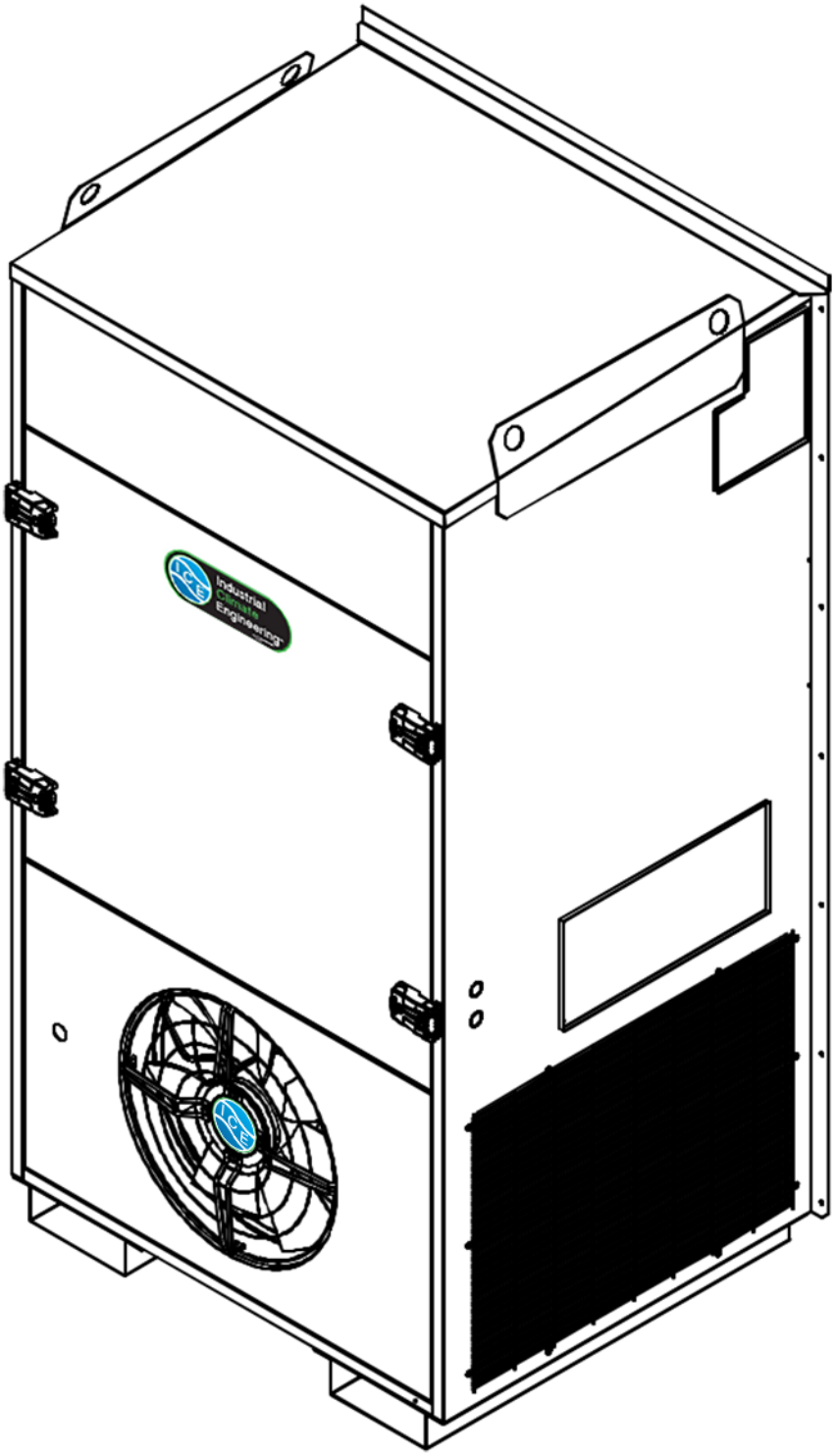



TOP VIEW

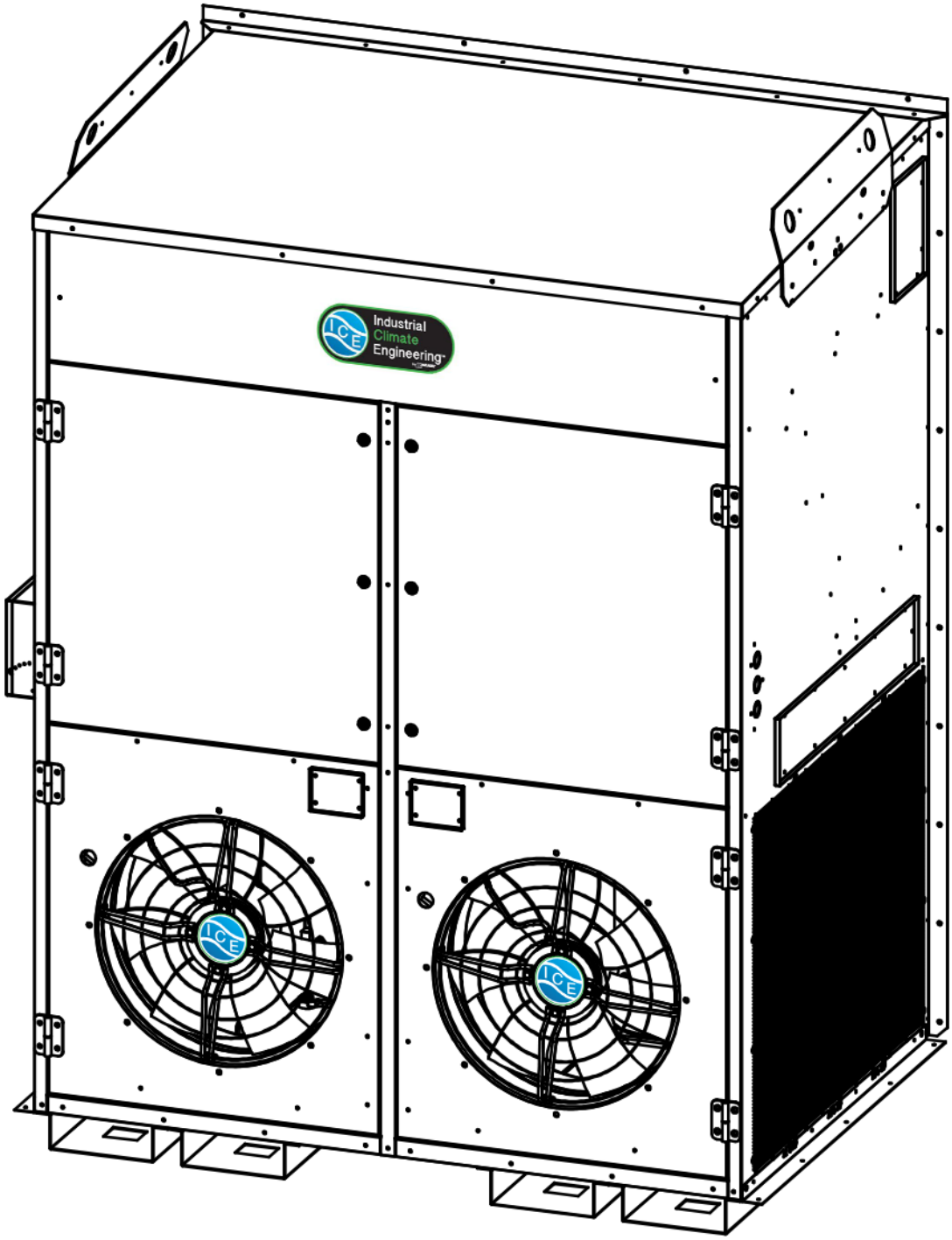
## Filter Size

| EXNDA/EONDA180/240 | INCHES | MILLIMETERS | PART NUMBER | FILTERS PER UNIT | MERV RATING |
|---|---|---|---|---|---|
| Exterior Access Return Air Filter | 25” x 16” x 2” | 635 x 406 x 51 | 80137 | 4 | 8 |
| Interior Access Return Air Filter | 24” x 18” x 2” | 610 x 457 x 51 | 81257 | 4 | 8 |

## EXNDA/EONDA90, 120 & 150 Air Conditioner Isometric View



## EXNDA/EONDA180 & 240 Air Conditioner Isometric View



## Notes


*Please consult the Industrial Climate Engineering website at www.acice.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. As part of the ICE continuous improvement program, specifications are subject to change without notice.*

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