

ACCESSORY KIT INSTALLATION MANUAL

HURRICANE KIT S1-1HK0701 (GROUND MOUNT)

HURRICANE KIT S1-1HK0801 (ROOF MOUNT, A & B Base)

HURRICANE KIT S1-1HK0901 (ROOF MOUNT, C & D Base)

FOR AC MODELS: YCD, TC3B, RAC13L, QC3B, GAW14L, YCE, TC4B, RAC14L, QC4B, TCD,

YCS, TW4B, RAW14L, QW4B, YFD, TF3B, RAC13F, YFE, TF4B, RAC14F,

YCG, CC7B, TC7B, RAC17L, TCG, YXT, AC19B, AL19B, YXV, AC21B, AL21B

FOR HP MODELS: YHE, TH4B, RHP14L, QH4B, THE, TH4B, RHP14L, QH4B, YHM, CH16B, TH16B,

YHG, CH6B, TH6B, RHP16L, YEE, TE4B, REP14L, YZT, HC19, HL19, YZV, HC20, HL20

GENERAL INFORMATION

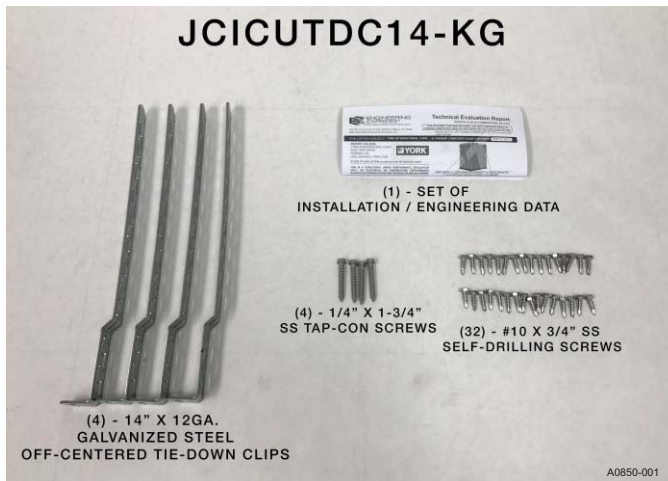
The purpose of this hurricane accessory kit is to keep the unit intact and secured to the concrete pad or equivalent approved support in the event of hurricane force winds.

TOOLS REQUIRED

- Hammer Drill
- 1/4" Masonry Drill Bit
- Hammer
- Socket Set
- Cordless Drill
- 5/16" Hex Driver
- Center Punch
- Scissors
- Tape
- 1/4" Twist Drill Bit (FOR ROOF INSTALL ONLY)

CONTENTS

The Ground Mount Hurricane Kit has a Source 1 Part Number of S1-1HK0701 and Miami Tech Part Number of JCICUTDC14-KG. This kit contains the following parts:



The Roof Mount Hurricane Kit for the A & B Base has a Source 1 Part Number of S1-1HK0801 and a Miami Tech Part Number of JCICUTDC14-33KR. This kit contains the following parts:



The Roof Mount Hurricane Kit for the C & D Base has a Source 1 Part Number of S1-1HK0901 and a Miami Tech Part Number of JCICUTDC14-42KR. This kit contains the following parts:



INSTALLATION

Using these instructions as a guide, install the appropriate number of Tie Down Brackets as supplied in the kit. There are 4 Tie Down Brackets required for Ground Mount applications and 8 for Roof Mount applications. The Tie Down Brackets applied on either side of the chamfered corner engage into existing holes in the end sheet of the coil. The template provided within these instructions can aid in aligning to those existing holes. The remaining Tie Down locations around the unit do not have pre-existing holes and will be drilled at the locations determined in the attached TER.

1. Locate Alignment Template.
2. Cut out Alignment Template from instruction page and take this to the outdoor unit.
3. Remove lower block-off screw from the outdoor unit.

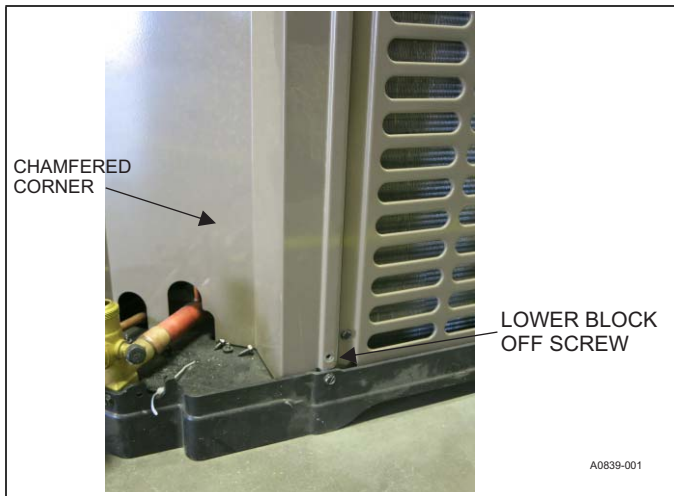


FIGURE 1: Lower Block-Off Screw

4. Push screw through bottom hole of the template labeled Block Off.

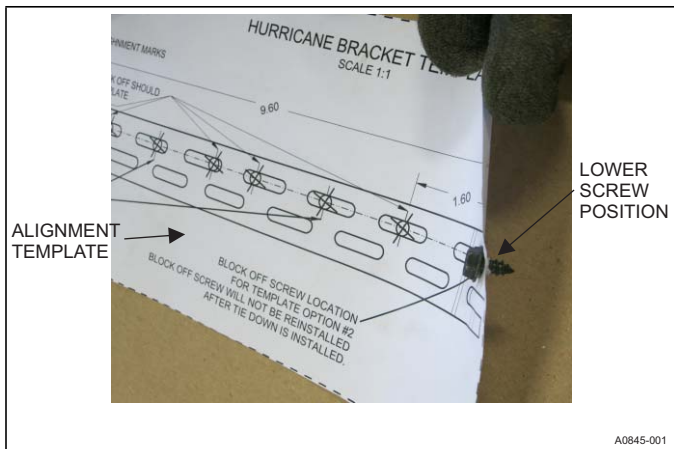


FIGURE 2: Alignment Template

5. With the template aligned vertically along the block off ridge, reinstall screw. Tape the top of the template to the unit to hold it in place.

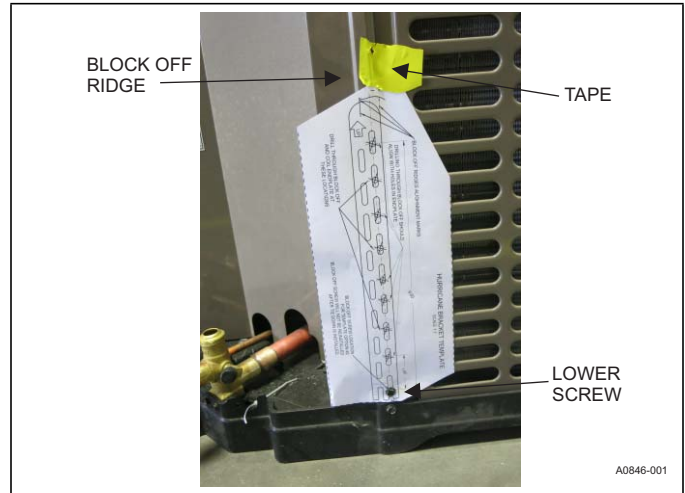


FIGURE 3: Alignment Template Location

6. The template shows the required hole locations. Center punch the 8 hole locations along the block off ridge.



FIGURE 4: Center Punch

7. Remove Alignment Template and lower block off screw. The lower block off screw is no longer needed. For Roof Mount installations, retain the Alignment Template to use on other side of chamfered corner.

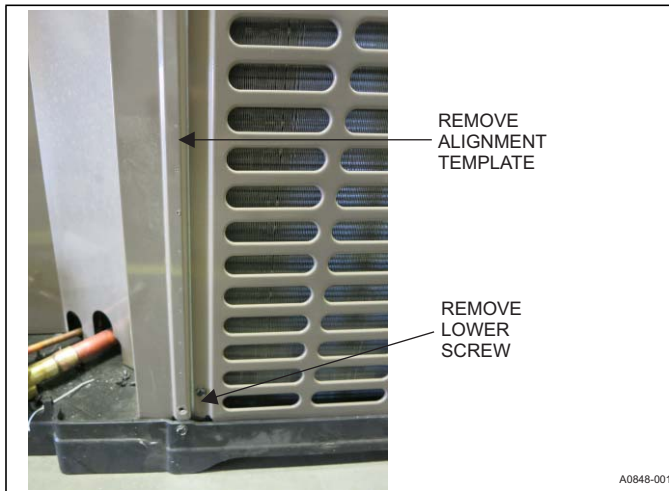


FIGURE 5: Tie Down Bracket Holes

8. Align tie down with the center punch holes. Drive the 8 required #10 x3/4" SS Self Taping Screws into the block off panel and coil end sheet behind it.

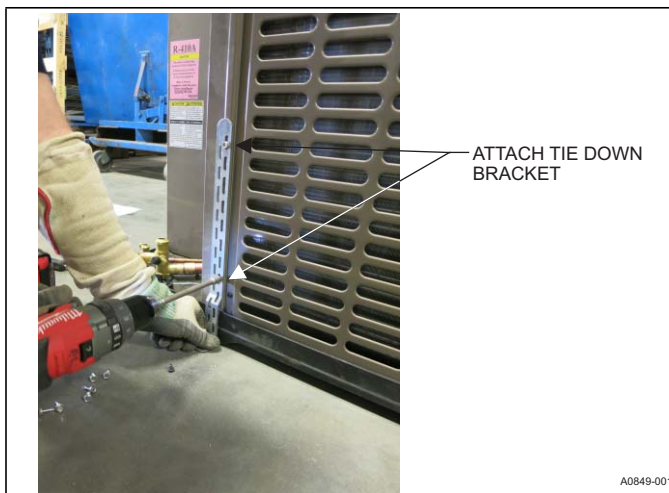


FIGURE 6: Tie Down Bracket

9. FOR ROOF MOUNT KITS: Repeat the process on the other side of the chamfered corner, as shown on Page 3 of the TER.
10. Attach the remaining Tie Down Brackets at locations around the unit, as shown on Page 3 of the TER. These locations do not have pre-existing holes and will be drilled at the locations determined in the attached TER.

⚠ CAUTION

Use caution when drilling pilot holes through unit. **DO NOT** drill into outdoor coil or any other components that contain refrigerant.

11. Attach all Tie Down Brackets to the concrete pad or equivalent approved support. For Anchor to Host Structure Schedule refer to Page 4 the TER, included in this Installation Manual.
12. FOR ROOF MOUNT KITS: Detailed roof installation instructions are located in the TER included in this Installation Manual. Roof Mount kits include 5 aluminum angles to attach to existing roof rails. The Tie Down Brackets are bolted to 4 of the aluminum angles. These 4 aluminum angles are bolted to the roof rails. The aluminum angles do not have holes pre-drilled. They require marking and drilling with a 1/4" Twist Drill for assembly.
13. FOR ROOF MOUNT KITS: The fifth aluminum angle supplied in the kit is to provide support under the center of the unit where the compressor is located. This aluminum angle needs to be located perpendicular to the existing roof rails. Measure the depth of the existing roof rail from inside of the i-beam to the inside of the other i-beam, as shown in Figure 7. Cut the angle to fit. Drill holes in the roof rail and aluminum angle where the center of the unit will be located. Bolt this rail in place with angle down.

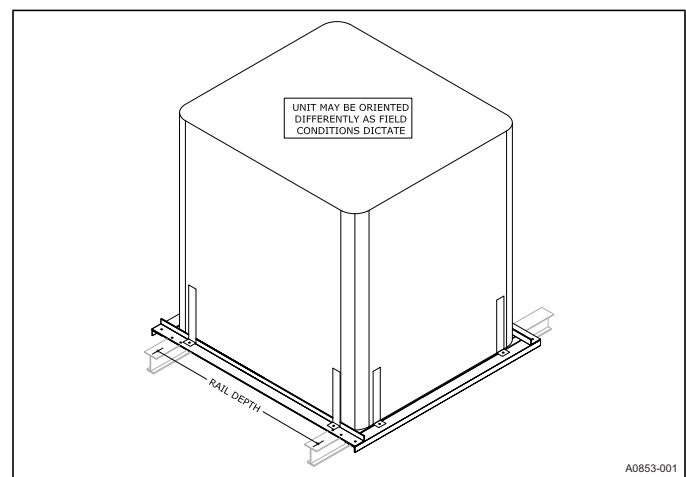


FIGURE 7: Roof Rail Depth



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

York International, Inc. subs. of Johnson Controls
3110 N. Mead Street
Wichita, Kansas 67219

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: OD Condensing Units with Steel Tie-Down Clips for At-Grade and Rooftop Applications

APPROVAL DOCUMENT: Drawing No. 15-2783, titled "OD Condensing Units At-Grade and Rooftop Structural Applications", sheets 1 through 6 of 6, dated 02/24/2016, with last revision dated 05/29/2018, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E. on 09/05/2019, bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/ series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/ or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 19-0401.05 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Sifang Zhao, P.E.**



S.Z.
10/10/2019

NOA No. 19-0911.07
Expiration Date: July 12, 2023
Approval Date: October 10, 2019
Page 1

York International, Inc. subs. of Johnson ControlsNOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**1. Evidence submitted under previous NOAs****A. DRAWINGS**

1. Drawing No. **15-2783**, titled "OD Condensing Units At-Grade and Rooftop Structural Applications", sheets 1 through 10 of 10, dated 02/24/2016, with last revision dated 05/29/2018, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E.

B. TESTS

1. Test report on Uniform Static Air Pressure Test per FBC, TAS 202-94 of OD Condensing Units with Composite Base Pan with YXV, YZV, YXT, and YZT Cabinetry, prepared by American Test Lab of South Florida, Test Report No. **0127.01-17**, dated 03/01/2017, signed and sealed by Stephen W. Warter, P.E. **(submitted under NOA # 16-0418.09)**
2. Test report on Uniform Static Air Pressure Test per FBC, TAS 202-94 along with marked-up drawings and installation diagram of OD Condensing Units with YCJF, CZF, YFE, RAC, YHE and RHP Cabinetry, prepared by American Test Lab of South Florida, Test Report No. **1029.01-15**, dated 12/12/2015, signed and sealed by Stephen W. Warter, P.E. **(submitted under NOA # 16-0418.09)**

C. CALCULATIONS

1. Anchorage calculations prepared by Engineering Express, dated 03/15/2018 and 03/18/2016, signed and sealed by Frank L. Bennardo, P.E. **(submitted under NOA # 16-0418.09)**

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENT submitted under NOA # 16-0418.09

1. Statement letter of code conformance to the 5th edition (2014) FBC dated 04/04/2016 and no financial interest dated 03/18/2016 issued by Engineering Express, signed and sealed by Frank L. Bennardo, P.E. **(submitted under NOA # 16-0418.09)**
2. Drawing No. **15-2783** statement of code conformance to the 6th edition (2017) FBC issued by Engineering Express, dated 04/30/2019, signed and sealed by Frank L. Bennardo, P.E. **(submitted under NOA # 19-0401.05)**



Sifang Zhao, P.E.

Product Control Examiner

NOA No. 19-0911.07

Expiration Date: July 12, 2023

Approval Date: October 10, 2019

York International, Inc. subs. of Johnson Controls

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. New evidence submitted

A. DRAWINGS

1. Drawing No. **15-2783**, titled "OD Condensing Units At-Grade and Rooftop Structural Applications", sheets 1 through 6 of 6, dated 02/24/2016, with last revision dated 05/29/2018, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E. on 09/05/2019.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENT

1. None.



Sifang Zhao, P.E.
Product Control Examiner
NOA No. 19-0911.07
Expiration Date: July 12, 2023
Approval Date: October 10, 2019

YORK INTERNATIONAL CORP.

OD CONDENSING UNITS

AT-GRADE AND ROOFTOP STRUCTURAL APPLICATIONS

SCOPE:

THIS ENGINEERED DRAWING IS INTENDED TO BE USED IN CONJUNCTION WITH THE UNIT ATTACHMENTS FOR THE UNIT MODELS DESCRIBED HEREIN FOR WIND LOADING ONLY. THIS CERTIFICATION DOES NOT INCLUDE IMPACT RESISTANCE.

TEST REPORT(S):

#1029-01-15 AND #0127-01-17 BY AMERICAN TEST LAB OF SOUTH FLORIDA

APPROVED DESIGN CRITERIA:

ROOF MOUNT	LATERAL	UPLIFT
200 PSF	200 PSF	100 PSF
GROUND MOUNT	60 PSF	30 PSF

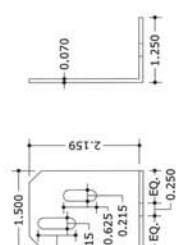
CHASSIS TYPE	APPROVED CHASSIS TYPES*	SHEET	CLIP
F-CHASSIS	34.25" x 38.00" x 46.50"	2/6	C
Z-CHASSIS	34.00" x 34.00" x 40.25"	3/6	B
Y-CHASSIS	42.25" x 34.00" x 40.00"	4/6	A

*THE UNIT CHASSIS LISTED ABOVE WERE TESTED AND DESIGNED AS WORST CASE CONFIGURATIONS. A LIST OF ALL APPROVED CHASSIS TYPES CAN BE REFERENCED TO PAGES 5-10 OF THE UNIT MANUAL. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE LISTED ADDITIONAL UNITS HAVE IDENTICAL CONSTRUCTION AND COMPONENTS AS THOSE LISTED ABOVE AND ARE OF EQUAL OR LESSER SIZE (WIDTH, DEPTH, HEIGHT). DIMENSIONS SHOWN MEASURED FROM OUTERMOST POINTS OF UNIT, INCLUDING SCREW HEADS.

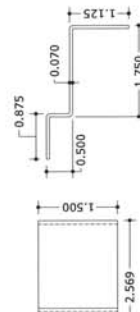
TABLE 1: UNIT ANCHORAGE TO HOST (ALL UNITS)

SUBSTRATE	ANCHOR TYPE
CONCRETE (3 KSI MIN)	1/4" POWERS WEDGE BOLT W/ 2" MIN EMBED & 3" MIN EDGE DIST OR 1/4" TW TAPON W/ 1 1/2" EMBED & 2 1/2" MIN EDGE DIST
WOOD (G=0.55 MIN)	1/4" ELCO ULTRACON W/ 1 1/2" EMBED & 2 1/2" MIN EDGE DIST
ALUMINUM (11.8" 6063-T6 MIN)	3/8" LAG SCREW W/ 1 3/4" MIN THREAD PENETRATION & 1" MIN EDGE DIST
STEEL (15 GA MIN)	1/4" -20X1/2" LONG SS HI BOLTS W/ WASHERS AND NUTS

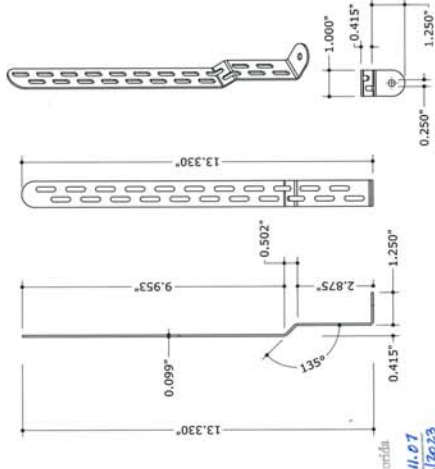
- WOOD AND CONCRETE SUBSTRATES NOT APPROVED FOR ROOFTOP APPLICATIONS



1 TIE DOWN CLIP 'A'
1 N.T.S. PAINTED GALV. STEEL (Fy=33KSI MIN.)



2 TIE DOWN CLIP 'B'
1 N.T.S. GALV. STEEL (Fy=33KSI MIN.)



3 TIEDOWN CLIP 'C'
1 N.T.S. GALV. STEEL (Fy=33KSI MIN.)

PRODUCT REVIEWED
in compliance with the Florida
Building Code
Acceptance No. 19-0911.07
Expiration Date: 07/18/2023
By: Miami Dade Product Council

LATERAL AND UPLIFT DESIGN PRESSURES CALCULATED FOR USE WITH THESE UNITS SHALL BE DETERMINED BY OTHERS ON A JOB-SPECIFIC BASIS IN ACCORDANCE WITH THE GOVERNING CODE. SITE-SPECIFIC WIND SPEEDS SHALL BE DETERMINED BY OTHERS IN ACCORDANCE WITH ASCE 7-10 AND LOCAL ORDINANCES. THE BUILDING CODE SIXTH EDITION (2017) (AS APPLICABLE) BY SEPARATE ENGINEERING CERTIFICATION AND SHALL BE LESS THAN OR EQUAL TO THE LATERAL DESIGN PRESSURE CAPACITY VALUES LISTED HEREIN FOR ANY ASSEMBLY AS SHOWN.

ALLOWABLE LOAD VALUES ARE DERIVED FROM THE TEST REPORTS #1029-01-15 AND 0127-01-17 BY AMERICAN TEST LAB OF SOUTH FLORIDA

GENERAL NOTES:

- THESE SYSTEMS HAVE BEEN DESIGNED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE SIXTH EDITION (2017) & ASCE 7-10. THESE SYSTEMS MAY BE USED WITHIN AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE. THESE SYSTEMS SHALL BE DESIGNED TO PROVIDE THE RESISTANCE OF THE MECHANICAL UNIT CABINETS. TESTS WERE PERFORMED IN ACCORDANCE WITH TAS 202 AND ASTM E330.
- NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM.
- ALL UNITS SHALL BE INSTALLED IN ACCORDANCE WITH THE APPROVED THROUGH TEST REPORT #1029-01-15 & #0127-01-17 BY AMERICAN TEST LAB OF SOUTH FLORIDA. ALL DIMENSIONS AND THE MINIMUM WEIGHTS OF MECHANICAL UNITS SHALL CONFORM TO LIMITATIONS STATED HEREIN. ALL MECHANICAL SPECIFICATIONS (CLEARANCES, CONNECTIONS, ETC.) SHALL BE THE MANUFACTURER'S RESPONSIBILITY OF THE CONTRACTOR.
- ALL SHEET METAL SCREWS USED TO FASTEN BRACKETS TO MECHANICAL UNITS SHALL BE #10 (14 MIN THREADS PER INCH) ASTM F993 410 STAINLESS STEEL OR EQUIVALENT. ALL BOLTS USED TO FASTEN ALUMINUM ANCHORS SHALL BE 304 STAINLESS STEEL OR EQUIVALENT AND SHALL UTILIZE SAE GRADE WASHERS & NUTS. PROVIDE (5) PITCHES MINIMUM PAST THE THREAD PLANE FOR SHEET METAL SCREWS. ALL FASTENERS SHALL HAVE APPROPRIATE CORROSION PROTECTION TO PREVENT ELECTROLYSIS. ALL PASTERHOLE DISTANCE TO ALUMINUM SHALL PROVIDE 2x DIAMETER EDGE DISTANCE.
- THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
- ELECTRICAL GROUND, WHEN REQUIRED, TO BE DESIGNED BY OTHERS. THE CONTRACTOR SHALL VERIFY THE ADEQUACY OF ANY EXISTING STRUCTURE TO WITHSTAND SUPERIMPOSED LOADS SHALL BE VERIFIED BY THE ON-SITE DESIGN PROFESSIONAL AND IS NOT INCLUDED IN THIS CERTIFICATION. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR CONDITIONS SHALL BE REQUIRED.
- THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE-SPECIFIC DOCUMENTS AND SHALL BE RESPONSIBLE FOR VERIFYING THE WATER-TIGHTNESS OF EXISTING OR NEW SUBSTRATE SHALL BE THE FULL RESPONSIBILITY OF THE INSTALLING CONTRACTOR. CONTRACTOR SHALL ENSURE THAT ANY REMOVED OR ALTERED WATERPROOFING MEMBRANE IS RESTORED AFTER FABRICATION AND INSTALLATION OF UNITS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY WATERPROOFING OR LEAKAGE ISSUES WHICH MAY OCCUR AS WATER-TIGHTNESS SHALL BE THE FULL RESPONSIBILITY OF THE INSTALLING CONTRACTOR.
- CONDENSING UNIT COMPONENTS SHALL BE FASTENED WITH 3/8" -16X1/2" LONG HI SMS AT PRE-PUNCHED HOLES.
- ALL STEEL UNIT COMPONENTS SHALL HAVE AN Fy=33KSI MIN.

YORK INTERNATIONAL CORP.
CORPORATE OFFICE
2110 North Mead Street
Wichita, KS 67219

FLORIDA BUILDING CODE
MIAMI-DADE NOTICE OF ACCEPTANCE

OD CONDENSING UNIT CABINETS

09/05/2019

BRUNO L. BRUNO, P.E.
REGISTERED PROFESSIONAL ENGINEER
CERT. OF AUTH. #9885

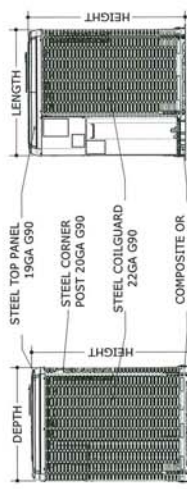
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4	09/05/19	BRUNO	REVISED FOR COMMENTS
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6	09/05/19	BRUNO	REVISED FOR COMMENTS

SCALE: NTS UNLESS NOTED

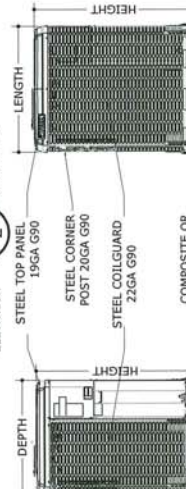
15-2783

YORK INTERNATIONAL CORP.

OD CONDENSING UNITS (E-CHASSIS)

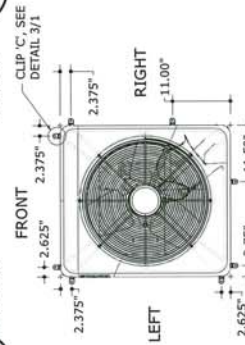


1 E-CHASSIS FRONT VIEW
ELEVATION
SCALE: NTS

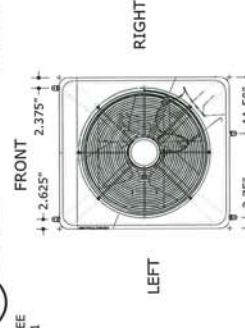


2 E-CHASSIS RIGHT VIEW
ELEVATION
SCALE: NTS

3 E-CHASSIS BACK VIEW
ELEVATION
SCALE: NTS



4 E-CHASSIS LEFT VIEW
ELEVATION
SCALE: NTS



5 E-CHASSIS TIEDOWN (ROOF INSTALL)
PLAN VIEW
SCALE: NTS



6 E-CHASSIS TIEDOWN (GROUND INSTALL)
PLAN VIEW
SCALE: NTS



FIGURES 5/2 AND 6/2 NOTE: THE CLIP LOCATIONS SHOWN PERTAIN TO THE TESTED UNIT MODELS (YX46821 AND YX6821S). THE CLIP LOCATIONS SHOWN IN FIGURES 5/1 AND 6/1 ARE FOR THE UNITS SHOWN IN FIGURES 1 AND 2. THE CLIP LOCATIONS SHOWN IN FIGURES 5/3 AND 6/3 SHALL HAVE AN EQUAL NUMBER OF CLIPS PER SIDE AS SHOWN (ROOF INSTALL - 2 CLIPS PER SIDE; GROUND INSTALL - 2 CLIPS ON FRONT SIDE AND 2 CLIPS ON BACK SIDE). CONCRETE PAD DESIGNS FOR GROUND INSTALLATION ARE NOT INCLUDED IN THIS CERTIFICATION.

as complying with the Florida Building Code Acceptance No. 19-0911-07 Expiration Date 07/12/2023

BY: [Signature] Miscal Data Product Control

09/05/2019

UNIT PER TABLE 2

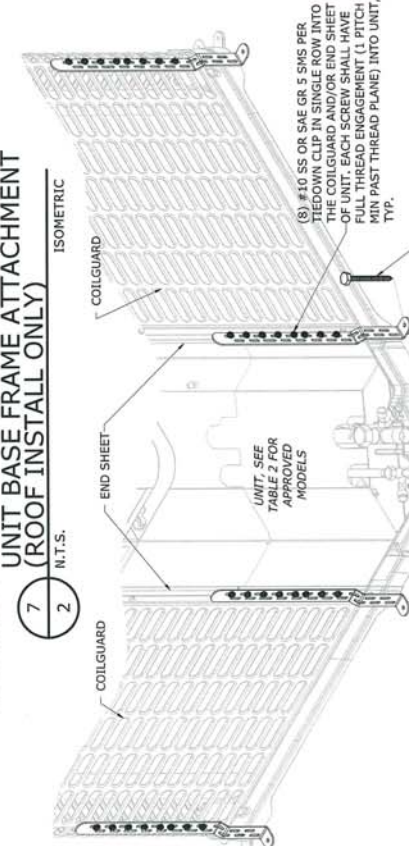
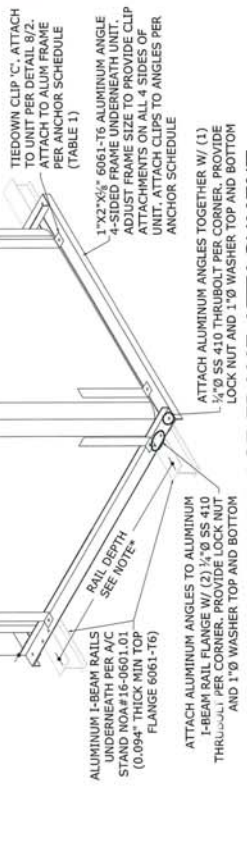
UNIT DEPTH PER TABLE 2

UNIT HEIGHT PER TABLE 2

UNIT LENGTH PER TABLE 2

UNIT MAY BE ORIENTED DIFFERENTLY AS FIELD CONDITIONS DICTATE

NOTE: FOR SCENARIOS WHERE THE A/C STAND RAIL DEPTH IS GREATER THAN THE ALUMINUM CROSS ANGLE, THE STAND RAIL SHALL BE INSTALLED PER NOA#16-0601.01. ALL FOUR SIDES OF THE UNIT SHALL BE SUPPORTED TO PROVIDE CLIP ATTACHMENTS



7 UNIT BASE FRAME ATTACHMENT (ROOF INSTALL ONLY)
ISOMETRIC
SCALE: N.T.S.

8 E-CHASSIS TIEDOWN DIRECTIVE (CLIP C)
ISOMETRIC
SCALE: N.T.S.

ENGINEERING EXPRESS

160 SW 12th AVE, SUITE 106
DEERFIELD BEACH, FL 33442

310 North Mead Street
Wichita, KS 67219

FLORIDA BUILDING CODE
OD CONDENSING UNIT CABINETRY

MIAMI-MADE NOTICE OF ACCEPTANCE

ENGINEERING EXPRESS, INC.
E: HELLO@ENGINEERINGEXPRESS.COM
P: (561) 354-6666 F: (561) 354-6644
CERT OF AUTH #9885

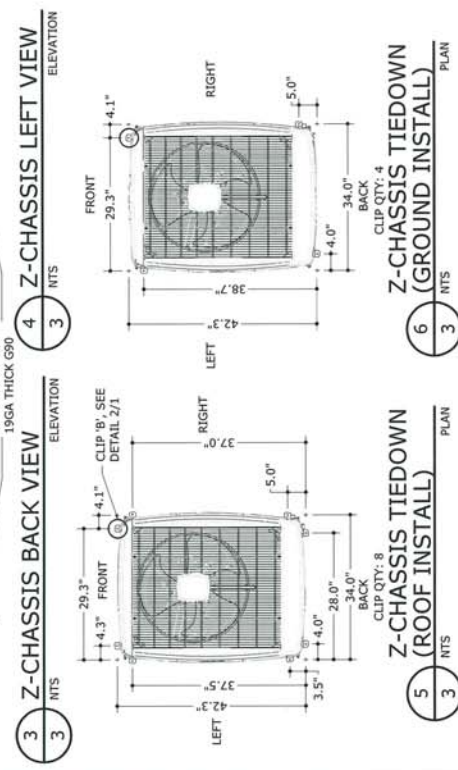
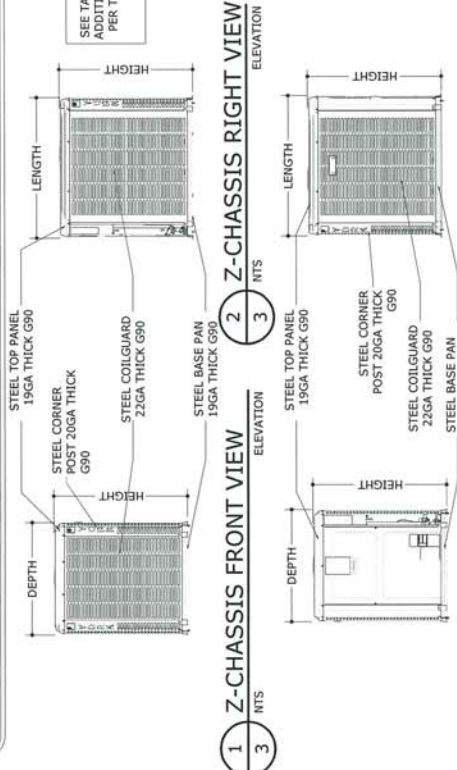
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SCALE: N.T.S. UNLESS NOTED

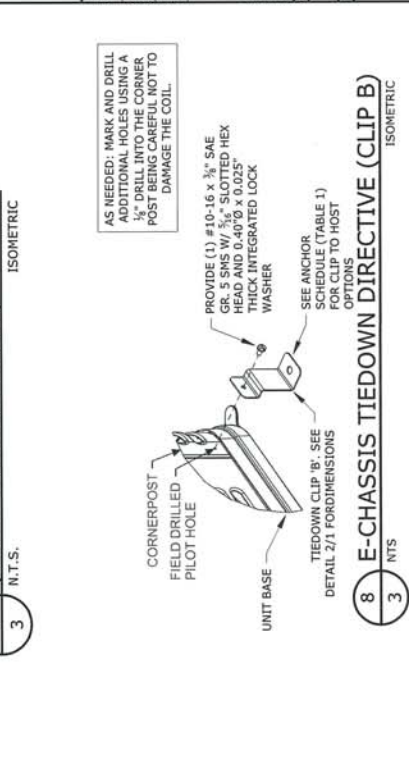
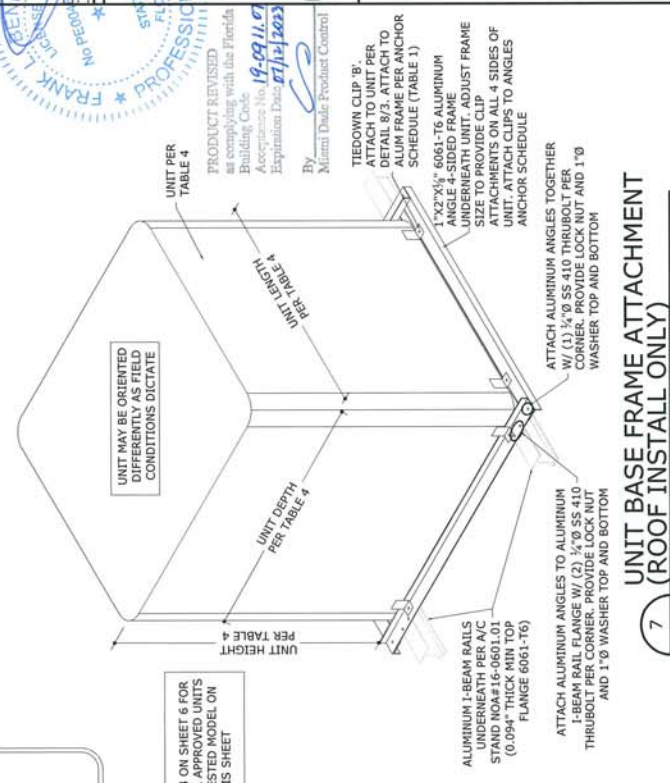
15-2783

2

YORK INTERNATIONAL CORP. OD CONDENSING UNITS (Z-CHASSIS)



FIGURES 5/3 AND 6/3 NOTE: THE CLIP LOCATIONS SHOWN PERTAIN TO THE TESTED UNIT MODEL (CZ704814C). THE CLIP LOCATIONS FOR ALTERNATE MODELS (TABLE A) MAY DIFFER SLIGHTLY BUT SHALL BE WITHIN 4.0" MAXIMUM OF THE LOCATIONS SHOWN AND SHALL HAVE AN EQUAL NUMBER OF CLIPS PER SIDE AS SHOWN (ROOF INSTALL - 2 CLIPS PER SIDE; GROUND INSTALL - 1 CLIP PER SIDE). CONCRETE PAD DESIGNS FOR GROUND INSTALLATION ARE NOT INCLUDED IN THIS CERTIFICATION.



AS NEEDED: MARK AND DRILL ADDITIONAL HOLES USING A 1/8" DRILL INTO THE CORNER POST BEING CAREFUL NOT TO DAMAGE THE COIL.

PROVIDE (1) #10-16 x 3/4" SAE GR. 5 SWS W/ 1/16" SLOTTED HEX HEAD AND 1/16" THICK INTEGRATED LOCK WASHER

SEE ANCHOR SCHEDULE (TABLE 1) OPTIONS

8 E-CHASSIS TIEDOWN DIRECTIVE (CLIP B) ISOMETRIC

YORK INTERNATIONAL CORP.
3110 North Mead Street
Wichita, KS 67219

OD CONDENSING UNIT CABINETRY
FLORIDA BUILDING CODE
MIAMI-DADE NOTICE OF ACCEPTANCE

ENGINEERING
CORPORATE OFFICE
160 SW 12th Ave, Suite 1306
Deerfield Beach, FL 33442
E: HELLO@ENGINEERINGEXPRESS.COM
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CERT OF AUTH #5985

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SCALE: NTS UNLESS NOTED
15-2783
3

FRANK L. BERNARDO, P.E.
P.E. #0045549
09/05/2019

REVISIONS: 09/05/2019
NO. 0045549
FRANK L. BERNARDO, P.E.
P.E. #0045549

YORK INTERNATIONAL CORP.

OD CONDENSING UNITS (Y-CHASSIS)

YORK INTERNATIONAL CORP. 3110 North Mead Street Wichita, KS 67219	MIAMI-DADE NOTICE OF ACCEPTANCE OD CONDENSING UNIT CABINETRY FLORIDA BUILDING CODE	15-2783 SCALE: NTS UNLESS NOTED 4
FRANK L. BERNARDO, P.E. LICENSE # 10035299 09/05/2019	DEERFIELD BEACH, FL 33442 160 SW 12TH AVE, SUITE 106 CORPORATION OFFICE EXPRESS® EXPRESS® EXPRESS®	REMARKS DATE DRAWN CHECKED REVISIONS COMMENTS & 2017 REC DATE DRAWN CHECKED REVISIONS COMMENTS

UNIT MAY BE ORIENTED DIFFERENTLY AS FIELD CONDITIONS DICTATE

UNIT BASE FRAME ATTACHMENT (ROOF INSTALL ONLY)
ISOMETRIC
7
4
N.T.S.

UNIT PER TABLE 3
UNIT LENGTH PER TABLE 3
UNIT DEPTH PER TABLE 3
UNIT HEIGHT PER TABLE 3

UNIT PER TABLE 3

ALUMINUM I-BEAM RAILS UNDERNEATH PER A/C STAND NOA#16-0601.01 (0.094" THICK MIN TOP FLANGE 6061-T6)

ATTACH ALUMINUM ANGLES TO ALUMINUM I-BEAM RAIL FLANGE W/ (2) 3/4" Ø SS 410 THRU BOLT PER CORNER. PROVIDE LOCK NUT AND 1" Ø WASHER TOP AND BOTTOM

1"X2"X3/8" 6061-T6 ALUMINUM ANGLE 4-SIDED FRAME UNDERNEATH UNIT. ADJUST FRAME SIZE TO PROVIDE CLIP ATTACHMENTS ON ALL 4 SIDES OF UNIT. ATTACH CLIPS TO ANGLES ANCHOR SCHEDULE

ATTACH ALUMINUM ANGLES TOGETHER W/ (1) 3/4" Ø SS 410 THRU BOLT PER CORNER. PROVIDE LOCK NUT AND 1" Ø WASHER TOP AND BOTTOM

AS NEEDED: MARK AND DRILL ADDITIONAL HOLES USING A 3/8" DRILL INTO THE BASE FLANGE BEING CAREFUL NOT TO DAMAGE THE COIL.

PROVIDE (2) #10-16 x 3/4" SAE HEX HEAD SCREW, CUTTED HEX HEAD WASHER, (2) 1/2" THICK INTEGRATED LOCK WASHER

STEEL UNIT BASE
TIEDOWN CLIP 'A'. SEE DETAIL 1/1 FOR DIMENSIONS
SEE TABLE 1 FOR HOST ANCHORAGE OPTIONS

SEE TABLE 3 ON SHEET 6 FOR DIMENSIONS PER THE TESTED MODEL ON THIS SHEET

1 Y-CHASSIS FRONT VIEW
ELEVATION
4
4
NTS

STEEL TOP PANEL 20GA THICK G90
STEEL CORNER POST 20GA THICK G90
STEEL COILGUARD 22GA THICK G90
STEEL BASE PAN 19GA THICK G90

2 Y-CHASSIS RIGHT VIEW
ELEVATION
4
4
NTS

LENGTH
HEIGHT

3 Y-CHASSIS BACK VIEW
ELEVATION
4
4
NTS

STEEL TOP PANEL 20GA THICK G90
STEEL CORNER POST 20GA THICK G90
STEEL COILGUARD 22GA THICK G90
STEEL BASE PAN 19GA THICK G90

4 Y-CHASSIS LEFT VIEW
ELEVATION
4
4
NTS

LENGTH
HEIGHT

5 Y-CHASSIS TIEDOWN (GROUND INSTALL)
PLAN
4
4
NTS

FRONT 30.1"
LEFT 34.0"
RIGHT 30.7"
BACK 34.0"
CLIP QTY: 12

6 Y-CHASSIS TIEDOWN (GROUND INSTALL)
PLAN
4
4
NTS

FRONT 30.7"
LEFT 30.6"
RIGHT 12.2"
BACK 34.0"
CLIP QTY: 6

FIGURES 5/4 AND 6/4 NOTE: THE CLIP LOCATIONS SHOWN PERTAIN TO THE TESTED UNIT MODELS (TCF60S41S2, BAC14604S21 & BAC14604B21S). THE CLIP LOCATIONS FOR ALTERNATE MODELS (TABLE 3) MAY DIFFER SLIGHTLY BUT SHALL BE WITHIN 4.0" MAXIMUM OF THE LOCATIONS SHOWN AND SHALL HAVE AN EQUAL NUMBER OF CLIPS PER SIDE AS SHOWN (ROOF INSTALL - 3 CLIPS PER SIDE; GROUND INSTALL - 2 CLIPS PER SIDE). CONCRETE PAD DESIGNS FOR CLIPS ARE NOT INCLUDED IN THIS CERTIFICATION

8 Y-CHASSIS TIEDOWN DIRECTIVE (CLIP 'A')
ISOMETRIC
4
4
NTS

PRODUCT REVISED 1/11/11
as complying with the Florida Building Code
Acceptance No. 19-0911.07
Expiration Date: 07/12/2023

By Miami Dade Product Control

TIEDOWN CLIP 'A'. ATTACH TO DETAIL 8/4. ATTACH TO ALUM FRAME PER ANCHOR SCHEDULE (TABLE 1)

DATE	CHKD	DRWN	REMARKS
09/05/2019			
09/05/2019			
09/05/2019			
09/05/2019			

15-2783

SCALE(S) UNLESS NOTED

CONTRACT MODIFICATIONS

ENGINEERING EXPRESS

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TABLE 2: CONTINUED

CC78182*	RAC1314882*	TC48362*	TF48362*	YFD4882*
CC78242*	RAC1316082*	TC48422*	TF48422*	YFD6082*
CC78302*	RAC14F1882*	TC48482*	TF48482*	YFE1882*
CC78362*	RAC14F2482*	TC48602*	TF48602*	YFE2482*
CC78422*	RAC14F3082*	TC78182*	TW481822*	YFE3082*
CC78482*	RAC14F3682*	TC78242*	TW48242*	YFE3682*
CC78602*	RAC14F4282*	TC78302*	TW48302*	YFE4282*
GAW14L18C2*	RAC14F4882*	TC78362*	TW48362*	YFE4882*
GAW14L24C2*	RAC14F6082*	TC78422*	TW48422*	YFE6082*
GAW14L30C2*	RAC14L1882*	TC78482*	TW48482*	YFK2482*
GAW14L36C2*	RAC14L2482*	TC78602*	TW48602*	YFK3682*
GAW14L42C2*	RAC14L3082*	TC78682*	YCD1882*	YFK4882*
GAW14L48C2*	RAC14L3682*	TC78802*	YCD2482*	YFK6082*
GAW14L60C2*	RAC14L4282*	TC78902*	YCD3082*	YKT2482*
QC3B2482*	RAC14L4882*	TC78982*	YCD3682*	YKT3682*
QC3B3082*	RAC14L6082*	TC78982*	YCD4282*	YKT4882*
QC3B3682*	RAC17L1882*	TC78982*	YCD4882*	YKT6082*
QC3B4282*	RAC17L2482*	TC78982*	YCD6082*	YV2482*
QC3B4882*	RAC17L3082*	TC78982*	YCD682*	YV3682*
QC4B2482*	RAC17L3682*	TC78982*	YCD882*	YV4882*
QC4B3082*	RAC17L4282*	TC78982*	YCD882*	YV6082*
QC4B3682*	RAC17L4882*	TC78982*	YCD882*	
QC4B4282*	RAC17L6082*	TC78982*	YCD882*	
QC4B4882*	RAW14L1882*	TC78982*	YCD882*	
CH168242*	HL208602*	RHP16L4882*	TH168482*	YHE4282*
CH168362*	CH482482*	RHP16L6082*	TH168602*	YHE4882*
CH168482*	QH483082*	TE48182*	THE3083*	YHE6082*
CH168602*	QH483682*	TE48242*	THE3084*	YHG1882*
CH68182*	QH484282*	TE48302*	THE3584*	YHG2482*
CH68242*	QH484882*	TE48362*	THE3584*	YHG3082*
CH68302*	REP14L1882*	TE48422*	THE3684*	YHG3682*
CH68362*	REP14L2482*	TE48482*	THE4282*	YHG4282*
CH68422*	REP14L3082*	TE48602*	THE4282*	YHG4882*
CH68482*	REP14L3682*	TE48182*	THE4282*	YHG6082*
CH68602*	REP14L4282*	TE48182*	THE4883*	YHM2482*
HCL198242*	REP14L4882*	TE48302*	THE4884*	YHM3682*
HCL198362*	REP14L6082*	TE48352*	THE6083*	YHM4882*
HCL198482*	RHP14L1882*	TE48362*	THE6084*	YHM6082*
HCL198602*	RHP14L2482*	TE48422*	YEE1882*	YZT2482*
HC208242*	RHP14L3082*	TE48482*	YEE2482*	YZT3682*
HC208362*	RHP14L3582*	TE48602*	YEE3082*	YZT4882*
HC208482*	RHP14L4282*	TE48682*	YEE3682*	YZT6082*
HC208602*	RHP14L4882*	TE48182*	YEE4282*	YZV2482*
HL198242*	RHP14L5082*	TE48182*	YEE4882*	YZV3682*
HL198362*	RHP14L6082*	TE48182*	YEE6082*	YZV4882*
HL198482*	RHP16L1882*	TE48182*	YHE1882*	YHE2482*
HL198602*	RHP16L2482*	TE48182*	YHE3082*	YHE3682*
HL208242*	RHP16L3082*	TE48182*	YHE3682*	YHE4882*
HL208362*	RHP16L3682*	TE48182*	YHE4882*	YHE6082*
HL208482*	RHP16L4282*	TE48182*	YHE6082*	YV6082*

*May end in any character.

Table 2: Tested Unit Construction E-Case

OD Model	Operating Dimensions w/ screw heads			Tested Weight (lbs)
	Depth (in)	Length (in)	Height (in)	
YFE6082*	34.25	38.00	39.50	256
RAC14F6082*	34.25	38.00	39.50	266
YHE6082*	34.25	38.00	42.75	261
RHP14L6082*	34.25	38.00	42.75	261
YXT6082*	34.50	38.25	46.50	253
YV6082*	34.50	38.25	46.50	253

The unit models listed above were tested and designed as worst case configurations. Additional unit models may be certified by the accompanying approval as long as they have identical construction and components as those listed above and are of equal or lesser size (length, width, height). Tabular Datasheet supplied with the outdoor equipment will show the unit dimensions.

Models listed below are of same construction as the tested units listed above. *** in model denotes any other character or number.

OD Models	
AC198242*	QC4B4882*
AC198362*	QC4B6082*
AC198482*	QC4B2482*
AC198602*	QC4B3082*
AC218242*	QC4B3682*
AC218362*	QC4B4282*
AC218482*	QC4B4882*
AC218602*	QC4B6082*
AL198242*	QC4B31882*
AL198362*	QC4B372482*
AL198482*	QC4B39082*
AL198602*	QC4B39682*
AL218242*	QC4B34282*
AL218362*	QC4B34882*
AL218482*	QC4B35482*
AL218602*	QC4B36082*
CC178242*	QC4B36602*
CC178362*	QC4B372482*
CC178482*	QC4B378482*
CC178602*	QC4B384282*

OD Model	Operating Dimensions w/screw heads			Operating Weight (lbs)
	Width (in)	Length (in)	Height (in)	
YCF605415Z	34.00	40.25	40.25	231
RAC141604521	34.00	34.00	40.25	231

The unit models listed above were tested and designed as worst case configurations. Additional unit models may be certified by the accompanying approval as long as they have identical construction and components as those listed above and are of equal or lesser size (length, width, height). Tabular Datasheet supplied with the outdoor equipment will show the unit dimensions.

Models listed below are of same construction as the tested units listed above. ** in model denotes any other character or number.

OD Model	OD Model
GCGD185215Z	RAC14124521
CCGD24541Q3	RAC141304521
CCGD30541Q3	RAC141364521
CCGD36541Q3	RAC141484521
CCGD48541Q3	RAC141604521
CCGD60541Q3	RHP131184521
CHD24541Q4	RHP131244521
CHD30541Q4	RHP131304521
CHD36541Q4	RHP131364521
CHD48541Q4	RHP131424521
GCGD245215Z	RHP131484521
GCGD305215Z	RHP131544521
GCGD365215Z	RHP131604521
GCGD485215Z	RHP131664521
GCGD605215Z	RHP131724521
GHGD24521S1	RHP131784521
GHGD30521S1	RHP131844521
GHGD36521S1	RHP131904521
GHGD48521S1	RHP131964521
GHGD60521S1	RHP132024521
RAC13184521	RHP132084521
RAC131904521	RHP132144521
RAC131964521	RHP132204521
RAC132024521	RHP132264521
RAC132084521	RHP132324521
RAC132144521	RHP132384521
RAC132204521	RHP132444521
RAC132264521	RHP132504521
RAC132324521	RHP132564521
RAC132384521	RHP132624521
RAC132444521	RHP132684521
RAC132504521	RHP132744521
RAC132564521	RHP132804521
RAC132624521	RHP132864521
RAC132684521	RHP132924521
RAC132924521	RHP132984521
RAC13304521	RHP133044521
RAC13304521	RHP133104521
RAC13304521	RHP133164521
RAC13304521	RHP133224521
RAC13304521	RHP133284521
RAC13304521	RHP133344521
RAC13304521	RHP133404521
RAC13304521	RHP133464521
RAC13304521	RHP133524521
RAC13304521	RHP133584521
RAC13304521	RHP133644521
RAC13304521	RHP133704521
RAC13304521	RHP133764521
RAC13304521	RHP133824521
RAC13304521	RHP133884521
RAC13304521	RHP133944521
RAC13304521	RHP134004521
RAC13304521	RHP134064521
RAC13304521	RHP134124521
RAC13304521	RHP134184521
RAC13304521	RHP134244521
RAC13304521	RHP134304521
RAC13304521	RHP134364521
RAC13304521	RHP134424521
RAC13304521	RHP134484521
RAC13304521	RHP134544521
RAC13304521	RHP134604521
RAC13304521	RHP134664521
RAC13304521	RHP134724521
RAC13304521	RHP134784521
RAC13304521	RHP134844521
RAC13304521	RHP134904521
RAC13304521	RHP134964521
RAC13304521	RHP135024521
RAC13304521	RHP135084521
RAC13304521	RHP135144521
RAC13304521	RHP135204521
RAC13304521	RHP135264521
RAC13304521	RHP135324521
RAC13304521	RHP135384521
RAC13304521	RHP135444521
RAC13304521	RHP135504521
RAC13304521	RHP135564521
RAC13304521	RHP135624521
RAC13304521	RHP135684521
RAC13304521	RHP135744521
RAC13304521	RHP135804521
RAC13304521	RHP135864521
RAC13304521	RHP135924521
RAC13304521	RHP135984521
RAC13304521	RHP136044521
RAC13304521	RHP136104521
RAC13304521	RHP136164521
RAC13304521	RHP136224521
RAC13304521	RHP136284521
RAC13304521	RHP136344521
RAC13304521	RHP136404521
RAC13304521	RHP136464521
RAC13304521	RHP136524521
RAC13304521	RHP136584521
RAC13304521	RHP136644521
RAC13304521	RHP136704521
RAC13304521	RHP136764521
RAC13304521	RHP136824521
RAC13304521	RHP136884521
RAC13304521	RHP136944521
RAC13304521	RHP137004521
RAC13304521	RHP137064521
RAC13304521	RHP137124521
RAC13304521	RHP137184521
RAC13304521	RHP137244521
RAC13304521	RHP137304521
RAC13304521	RHP137364521
RAC13304521	RHP137424521
RAC13304521	RHP137484521
RAC13304521	RHP137544521
RAC13304521	RHP137604521
RAC13304521	RHP137664521
RAC13304521	RHP137724521
RAC13304521	RHP137784521
RAC13304521	RHP137844521
RAC13304521	RHP137904521
RAC13304521	RHP137964521
RAC13304521	RHP138024521
RAC13304521	RHP138084521
RAC13304521	RHP138144521
RAC13304521	RHP138204521
RAC13304521	RHP138264521
RAC13304521	RHP138324521
RAC13304521	RHP138384521
RAC13304521	RHP138444521
RAC13304521	RHP138504521
RAC13304521	RHP138564521
RAC13304521	RHP138624521
RAC13304521	RHP138684521
RAC13304521	RHP138744521
RAC13304521	RHP138804521
RAC13304521	RHP138864521
RAC13304521	RHP138924521
RAC13304521	RHP138984521
RAC13304521	RHP139044521
RAC13304521	RHP139104521
RAC13304521	RHP139164521
RAC13304521	RHP139224521
RAC13304521	RHP139284521
RAC13304521	RHP139344521
RAC13304521	RHP139404521
RAC13304521	RHP139464521
RAC13304521	RHP139524521
RAC13304521	RHP139584521
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RAC13304521	RHP139764521
RAC13304521	RHP139824521
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RAC13304521	RHP139944521
RAC13304521	RHP139994521
RAC13304521	RHP140054521
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RAC13304521	RHP140174521
RAC13304521	RHP140234521
RAC13304521	RHP140294521
RAC13304521	RHP140354521
RAC13304521	RHP140414521
RAC13304521	RHP140474521
RAC13304521	RHP140534521
RAC13304521	RHP140594521
RAC13304521	RHP140654521
RAC13304521	RHP140714521
RAC13304521	RHP140774521
RAC13304521	RHP140834521
RAC13304521	RHP140894521
RAC13304521	RHP140954521
RAC13304521	RHP141014521
RAC13304521	RHP141074521
RAC13304521	RHP141134521
RAC13304521	RHP141194521
RAC13304521	RHP141254521
RAC13304521	RHP141314521
RAC13304521	RHP141374521
RAC13304521	RHP141434521
RAC13304521	RHP141494521
RAC13304521	RHP141554521
RAC13304521	RHP141614521
RAC13304521	RHP141674521
RAC13304521	RHP141734521
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RAC13304521	RHP141974521
RAC13304521	RHP142034521
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RAC13304521	RHP142634521
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RAC13304521	RHP143234521
RAC13304521	RHP143294521
RAC13304521	RHP143354521
RAC13304521	RHP143414521
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RAC13304521	RHP143654521
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RAC13304521	RHP143774521
RAC13304521	RHP143834521
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RAC13304521	RHP143954521
RAC13304521	RHP144014521
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RAC13304521	RHP144314521
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RAC13304521	RHP145574521
RAC13304521	RHP145634521
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