



38AUZ/D
AIR-COOLED CONDENSING UNITS 60 HZ
WITH PURON® (R-410A) REFRIGERANT
SIZES 07-28

- **PERFORMANCE DATA**
- **CERTIFIED DIMENSION PRINTS**
- **CERTIFIED ROOF CURB DETAILS**



JOB NAME:	LOCATION:	
BUYER:	BUYER PO #:	CARRIER#:
UNIT NUMBER:	MODEL NUMBER:	
PERFORMANCE DATA CERTIFIED BY:		

DESCRIPTION

38AU units are air-cooled condensing units which are easily connected by refrigerant lines and low voltage control wiring to matching Carrier packaged air-handling units or other suitable evaporator units to provide customized packages covering a wide range of cooling requirements. Powerful, direct-drive axial-flow fans are mounted horizontally with vertical coils, resulting in a desirable low silhouette. They are ideal for new construction or renovation where quality and performance are required.

FEATURES

Standard Base Unit

- Puron® (R-410A) HFC refrigerant
- Single circuit two-stage cooling capacity control on 07 to 25 models
- Dual circuit, three stage cooling capacity on 12 to 28 models
- All models utilize Round Copper Tube/Aluminum Plate Fin (RTPF) condenser coils
- Cooling operating range up to 125°F (52°C) and down to 35°F (2°C)
- Brass suction and liquid line service valves
- Fully Hermetic Scroll compressor with crankcase heater
- New terminal board facilitating simple safety circuit troubleshooting and simplified control box arrangement, 24-volt 75 va control system.
- High and low pressure switches
- UL and UL, Canada apply to standard units; 575-volt units UL, Canada only
- ETL listed (16-28 models)
- Comfort Alert™ Diagnostic Board:
 - LED Go-No-Go and fault code
 - Built in time guard anti short cycle
 - Phase protection
 - Fault code retention logic
 - Low voltage compressor contactor protection
- Full perimeter base rails with built-in rigging adapters and fork truck slots
- Pre-painted exterior panels and primer-coated interior panels tested to 500 hours salt spray protection.
- Direct drive permanently lubricated condenser fan motors
- All units factory run tested

- Compressors mounted on independent vibration isolators
- High capacity filter drier is supplied for each circuit. Field installation is required.
- Standard limited parts warranty:
 - 5-year compressor parts
 - 1-year condenser coil parts
 - 1-year parts

Factory-installed Options (FIOPs)

- E-coated condenser coil
- Pre-coat on condenser coil
- Copper/copper condenser coil
- Motormaster® low ambient head pressure controller, down to -20°F (-29°C)
- Non-fused disconnect
- Powered 115-volt convenience outlet
- Non-powered 115-volt convenience outlet
- Condenser hail guard – louvered style

Field-Installed Accessories

- Motormaster® low ambient head pressure controller, down to -20°F (-29°C)
- Winter start kit, down to 25°F (-4°C)
- Liquid line solenoid valve
- Solenoid coil
- Sight glass
- Condenser coil hail guard — louvered style
- Thermostats and thermostat accessories

Optional Warranties

- Complete unit parts only up to 5 years
 - Complete unit parts and labor up to 5 years
- Many other optional warranties are available. See the Commercial Start-Up and Optional Extended Warranty Price pages for further information.

PERFORMANCE DATA

Cooling Capacity _____ Btuh Compressor Power Input _____ kW
Ambient Air Temperature _____ °F Compressor Fan Power Input _____ kW
Saturated Suction Temperature _____ °F Compressor Unloading Steps _____ %
Saturated Condenser Temperature _____ °F Minimum Ambient Air Temperature
Standard Unit: _____ °F

ELECTRICAL DATA

Power Supply to Unit _____
Volts _____
Phase _____ Hz
Maximum Circuit Amps _____
Maximum Overcurrent Protection _____

SUBMITTAL DATA

Job Name _____
Architect _____
Engineer _____
Contractor _____
Unit Designation _____



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

UNIT DIMENSION PRINT

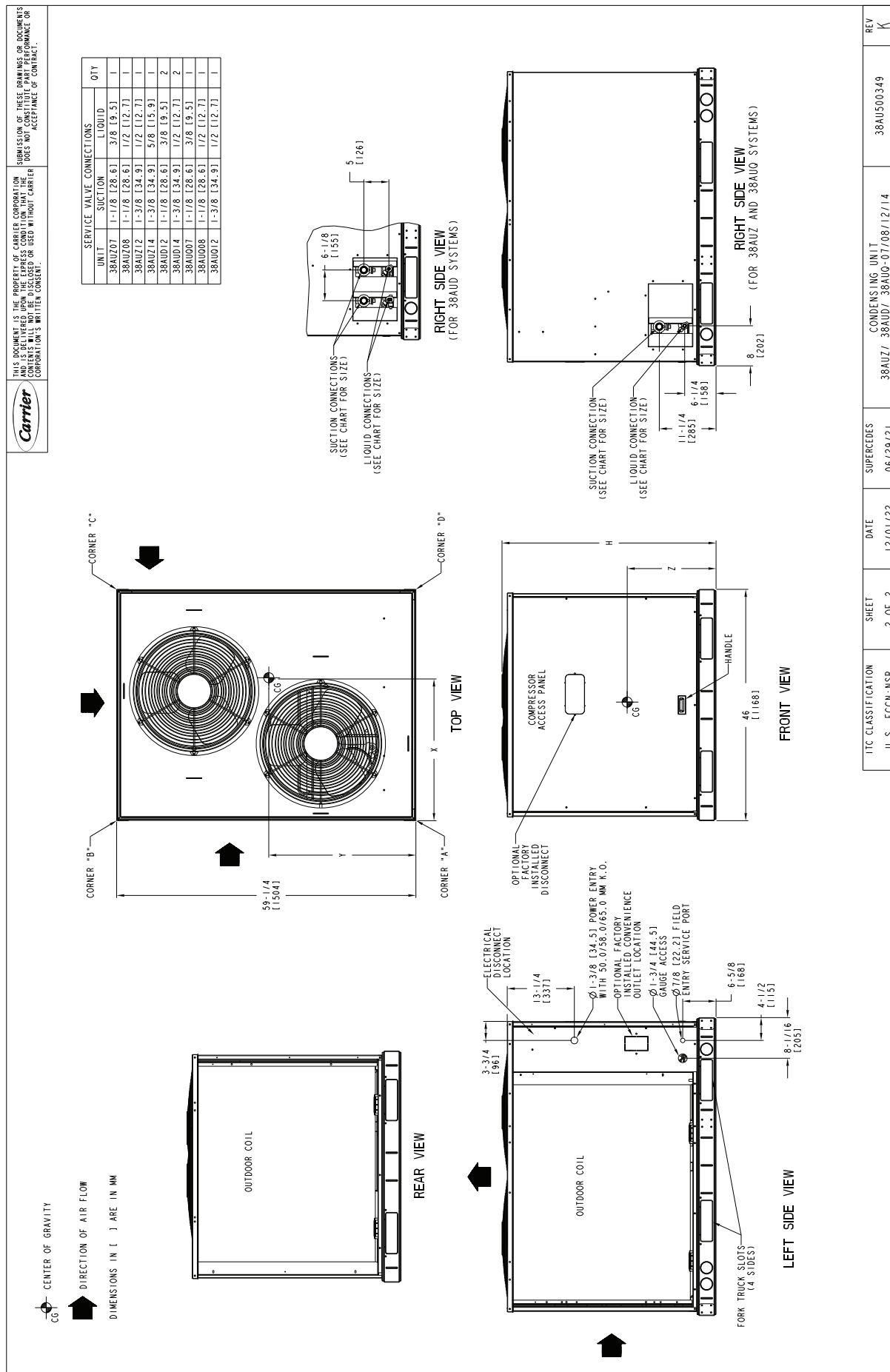


Fig. 1 — 38AUD/Z 07-14 Base Unit Dimensions

ITC CLASSIFICATION	SHEET	DATE	SUPERCEDES	CONDENSING UNIT	REV
U.S. ECCN: NSR	2 OF 2	12/01/22	06/29/21	38AUZ / 38AUD / 38AUO-07/08/12/14	K
				38AU500349	

UNIT DIMENSION PRINT

	THIS DOCUMENT IS THE PROPERTY OF CARRIER CORPORATION AND IS DELIVERED UPON THE EXPRESS CONDITION THAT THE USER SHALL NOT REPRODUCE OR USE WITHOUT CARRIER CORPORATION'S WRITTEN CONSENT.	SUBMISSION OF THESE DRAWINGS OR DOCUMENTS TO THE USER SHALL BE DEEMED AN ACCEPTANCE OF CONTRACT.

UNIT	ELECTRICAL CHARACTERISTICS	STD. UNIT WT.		CORNER A		CORNER B		CORNER C		CORNER D		CENTER OF GRAVITY			UNIT HEIGHT H
		LBS.	KG.	LBS.	KG.	LBS.	KG.	LBS.	KG.	LBS.	KG.	X	Y	Z	
38AUZ-07 (RTPF)	208/230-3-60,460-3-60,575-3-60	389	176	141	64	96	44	62	28	91	41	18 [457.2]	24 [609.6]	21 [533.4]	42-3/8 [1076.0]
38AUZ(A,B)08 (RTPF)	208/230-3-60,460-3-60,575-3-60	391	177	142	64	96	44	62	28	91	41	18 [457.2]	24 [609.6]	21 [533.4]	42-3/8 [1076.0]
38AUZ(D,E)08 (RTPF)	208/230-3-60,460-3-60,575-3-60	430	195	142	64	96	44	76	34	111	50	18 [457.2]	24 [609.6]	21 [533.4]	42-3/8 [1076.0]
38AUZ-12 (RTPF)	208/230-3-60,460-3-60,575-3-60	490	222	177	80	120	54	78	35	114	52	18 [457.2]	24 [609.6]	24 [609.6]	50-3/8 [1279.2]
38AUZ-14 (RTPF)	208/230-3-60,460-3-60,575-3-60	598	271	195	88	142	64	110	50	151	68	20 [508.0]	25 [635.0]	24 [609.6]	50-3/8 [1279.2]
38AUD-12 (RTPF)	208/230-3-60,460-3-60,575-3-60	516	234	185	84	117	53	83	38	131	59	19 [482.6]	23 [584.2]	24 [609.6]	50-3/8 [1279.2]
38AUD-14 (RTPF)	208/230-3-60,460-3-60,575-3-60	654	297	214	97	155	70	120	54	165	75	20 [508.0]	25 [635.0]	24 [609.6]	50-3/8 [1279.2]
38AUO-07	208/230-3-60,460-3-60,575-3-60	444	201	134	61	97	44	90	41	123	56	22 [558.8]	25 [635.0]	13 [330.2]	42-3/8 [1076.0]
38AUO(A,B)08	208/230-3-60,460-3-60,575-3-60	483	219	162	74	110	50	85	39	125	57	20 [508.0]	24 [609.6]	21 [533.4]	42-3/8 [1076.0]
38AUO(D,E,M,N)08	208/230-3-60,460-3-60,575-3-60	523	237	174	79	118	54	96	44	135	61	21 [533.4]	24 [609.6]	23 [584.2]	50-3/8 [1279.2]
38AUO-12	208/230-3-60,460-3-60,575-3-60	575	261	186	84	126	57	106	48	157	71	21 [533.4]	24 [609.6]	23 [584.2]	50-3/8 [1279.2]

NOTES:

- MINIMUM CLEARANCE (LOCAL CODES OR JURISDICTION MAY PREVAIL):
 - BOTTOM TO COMBUSTIBLE SURFACES: 0 INCHES.
 - OUTDOOR COIL, FOR PROPER AIR FLOW: 36 INCHES ONE SIDE, 12 INCHES THE OTHER. THE SIDE GETTING THE GREATER CLEARANCE IS OPTIONAL. STANDARD CLEARANCES ON REMAINING TWO SIDES.
 - OVERHEAD: 60 INCHES, TO ASSURE PROPER OUTDOOR FAN OPERATION.
 - BETWEEN UNITS: CONTROL BOX SIDE, 42 INCHES PER NEC.
 - BETWEEN UNIT AND UNGROUNDED SURFACES: CONTROL BOX SIDE - 36 INCHES PER NEC.
 - BETWEEN UNIT AND BLOCK OR CONCRETE WALLS AND OTHER GROUNDED SURFACES: CONTROL BOX SIDE, 42 INCHES PER NEC.
- WITH EXCEPTION OF THE CLEARANCE FOR THE OUTDOOR COIL AS STATED IN NOTE 1B, A REMOVABLE FENCE OR BARRICADE REQUIRES NO CLEARANCE.
- UNITS MAY BE INSTALLED ON COMBUSTIBLE FLOORS MADE FROM WOOD OR CLASS A, B OR C ROOF COVERING MATERIAL.

ITC CLASSIFICATION U.S. ECCN: NSR	SHEET 1 OF 2	DATE 12/01/22	SUPERCEDES 06/29/21	CONDENSING UNIT 38AUZ/ 38AUD/ 38AUO-07/08/12/14	REV K
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Fig. 1 — 38AUD/Z 07-14 Base Unit Dimensions (cont)

UNIT DIMENSION PRINT

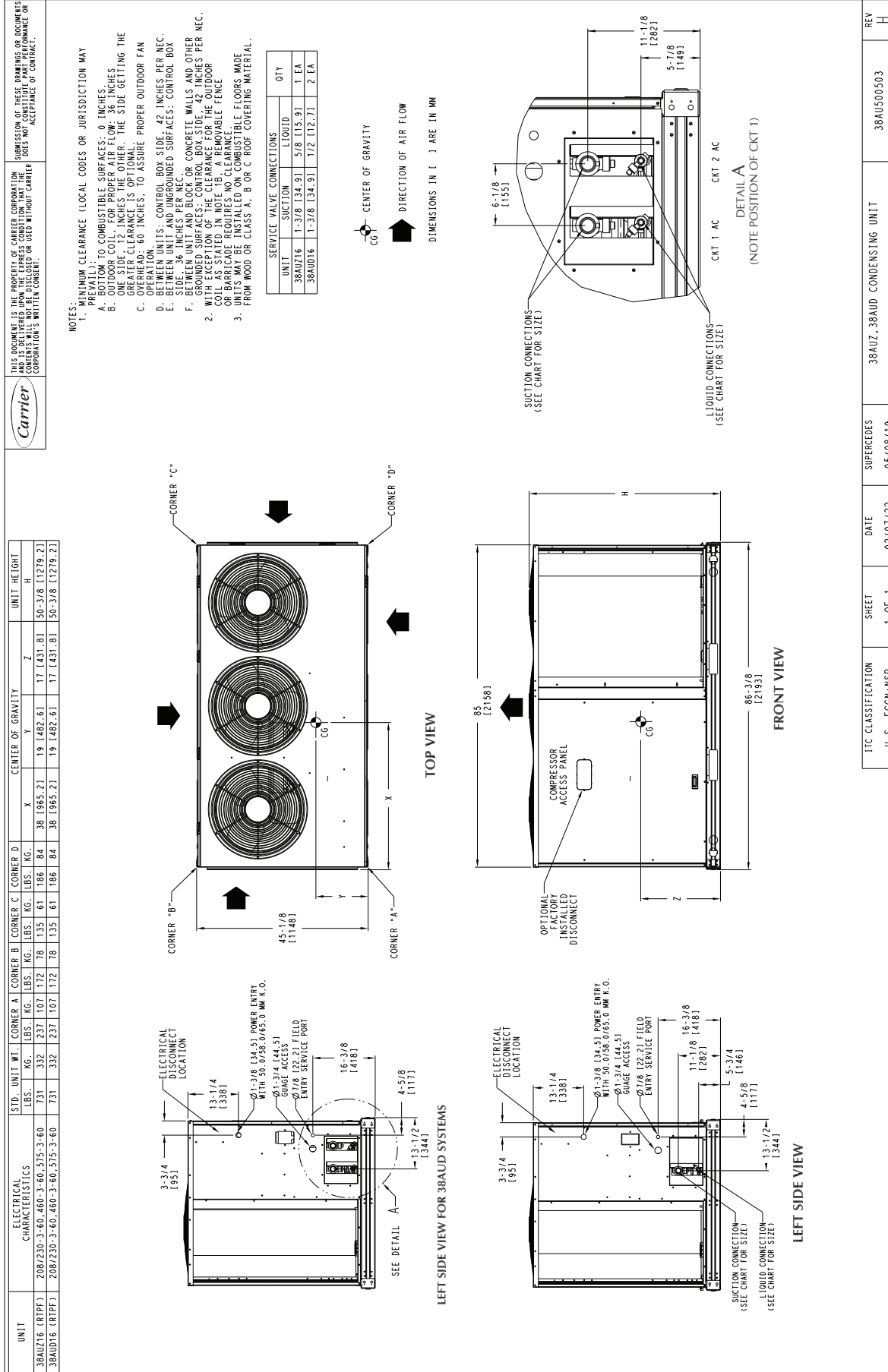


Fig. 2 — 38AUD/Z 16 Base Unit Dimensions

UNIT DIMENSION PRINT

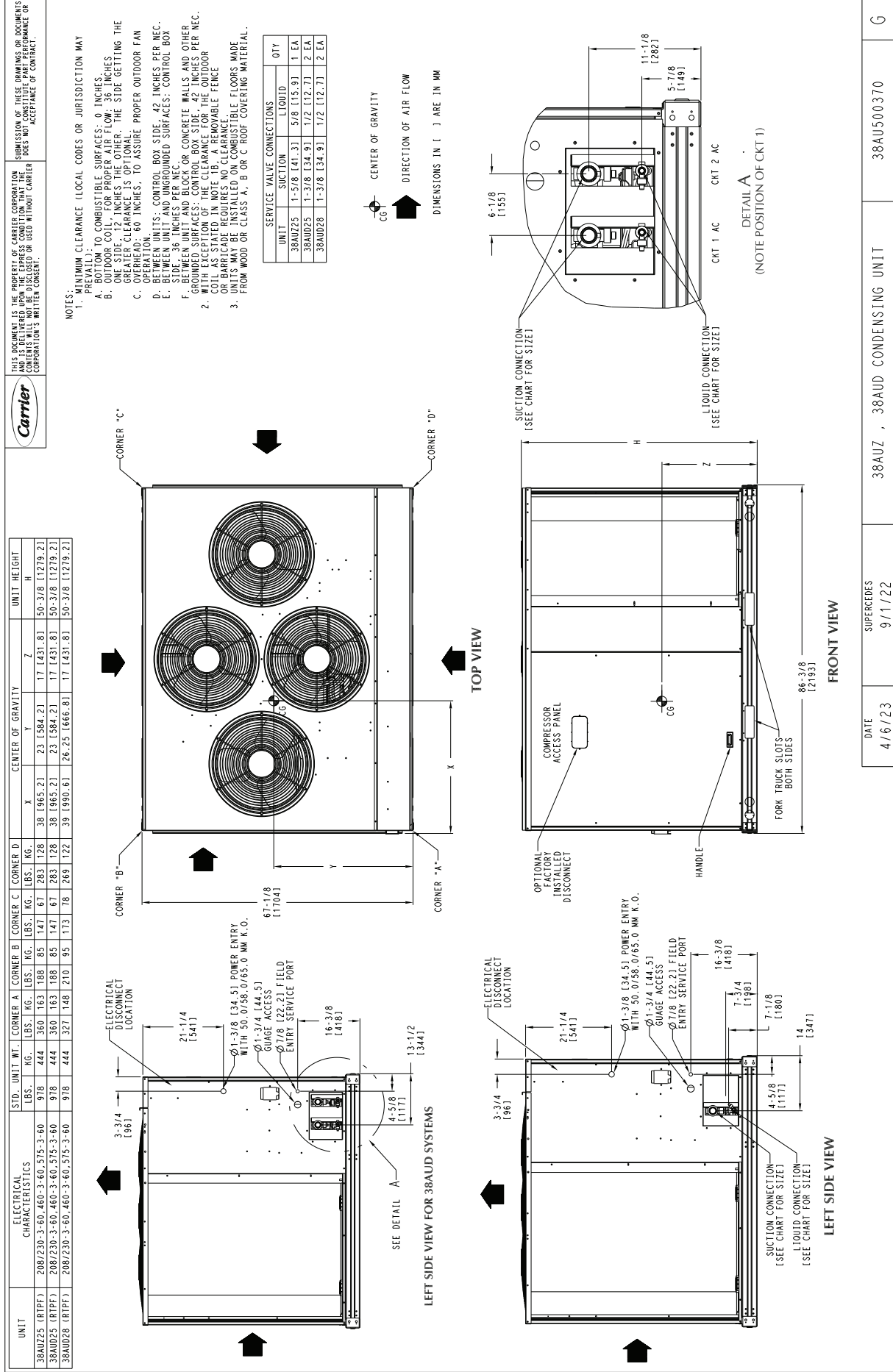


Fig. 3 — 38AUZ 25 / 38AUD 25-28 Base Unit Dimensions

