

38AUZ/D

60Hz

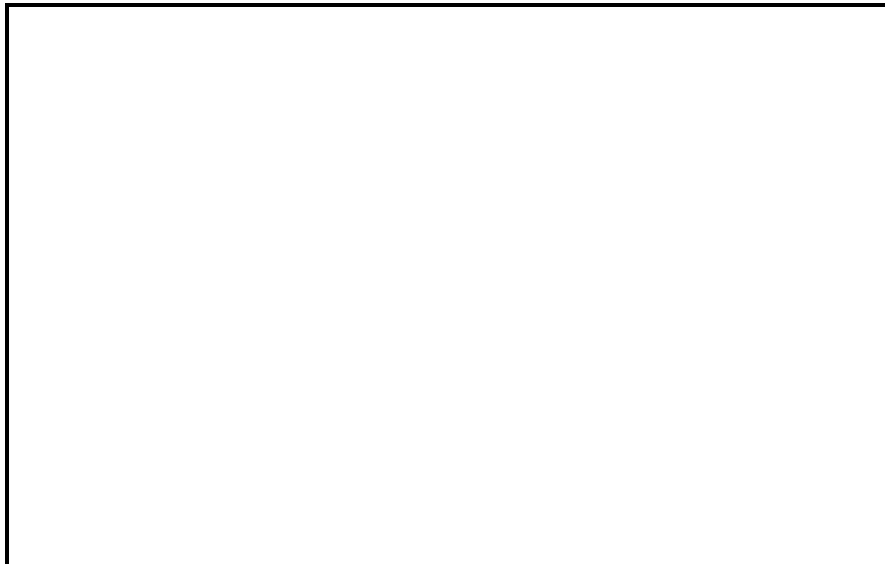
Sizes 07 – 25

**Air-Cooled Condensing Units
with Puron® (R-410A) Refrigerant**



Submittal Data

- **PERFORMANCE DATA**
- **CERTIFIED DIMENSION PRINTS**



Job Data: _____ Location: _____

Buyer: _____ Buyer P.O.#: _____ Carrier: _____

Unit Number: _____ Model Number: _____

Unit Designation: _____

Performance Data Certified By: _____



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.



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.



STANDARD FEATURES

- Puron (R-410A) HFC refrigerant
- Single Circuit (38AUZ) are available in size 07 to 25 units.
- Dual Circuit (38AUD) are available in size 12 to 25 units.
- Novation™ condenser coil available on size 07 - 16 units.
- Round Copper Tube/Aluminum Plate Fin (RTPF) condenser coil available on size 07, 08, 12, 16 and 25 units.
- 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 75va control system.
- High and low pressure switches.
- UL and UL, Canada apply to standard units; 575-volt units UL, Canada only.
- 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
- Standard parts warranty,
 - 5-year compressor parts
 - 3-year Novation condenser coil parts
 - 1-year RTPF condenser coil parts
 - 1-year parts

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 Condensing Temperature: _____ °F Minimum Ambient Air Temperature
Standard Unit: _____ °F

ELECTRICAL DATA

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

38AU

SUBMITTAL DATA

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

OPTIONS AND ACCESSORIES

FACTORY-INSTALLED OPTIONS (FIOPs)

- ☐ E-Coated Condenser Coil
- ☐ Additional Pre Coat on RTPF units
- ☐ Copper/Copper Coils on RTPF units
- ☐ 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
- ☐ Wired Grille - Condenser Coil guard
- ☐ 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* price pages for further information.

CERTIFIED DIMENSION 38AU*07, 08, 12, 14

		UNITED TECHNOLOGIES STRACOIL, NY CARRIER		P.O. BOX 4888 LIZET		THIS DOCUMENT IS THE PROPERTY OF CARRIER CORPORATION AND IS DELIVERED UPON THE EXPRESS CONDITION THAT THE CONTRACTOR SHALL NOT BE DISCLOSED OR USED WITHOUT CARRIER CORPORATION'S WRITTEN CONSENT.		SUBMISSION OF THESE DRAWINGS OR DOCUMENTS DOES NOT CONSTITUTE AN ENDORSEMENT OR ACCEPTANCE OF CONTRACT.								
UNIT	ELECTRICAL CHARACTERISTICS	STD. UNIT WT.		CORNER A		CORNER B		CORNER C		CORNER D		CENTER OF GRAVITY			UNIT HEIGHT	
		LBS.	KG.	LBS.	KG.	LBS.	KG.	LBS.	KG.	LBS.	KG.	X	Y	Z	H	
38AUZ-07 (MCHX)	208/230-3-60, 460-3-60, 575-3-60	328	149	128	58	68	31	62	28	70	32	21 [533.4]	19 [482.6]	13 [330.2]	42-3/8 [1076.0]	
38AUZ-08 (MCHX)	208/230-3-60, 460-3-60, 575-3-60	353	160	138	63	72	33	65	29	78	35	19 [482.6]	23 [584.2]	13 [330.2]	42-3/8 [1076.0]	
38AUZ-12 (MCHX)	208/230-3-60, 460-3-60, 575-3-60	418	190	165	75	85	39	78	35	90	41	23 [584.2]	20 [508.0]	15 [381.0]	50-3/8 [1279.2]	
38AUZ-14 (MCHX)	208/230-3-60, 460-3-60, 575-3-60	431	196	162	73	82	37	92	42	95	43	19 [482.6]	23 [584.2]	15 [381.0]	50-3/8 [1279.2]	
38AUD-12 (MCHX)	208/230-3-60, 460-3-60, 575-3-60	499	226	193	88	111	50	72	38	123	56	20 [508.0]	23 [584.2]	15 [381.0]	50-3/8 [1279.2]	
38AUD-14 (MCHX)	208/230-3-60, 460-3-60, 575-3-60	505	229	190	86	88	40	76	34	151	68	20 [508.0]	24 [609.6]	15 [381.0]	50-3/8 [1279.2]	
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-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-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]	
38AUZ-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]	
38AUZ-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]	
38AUZ-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:

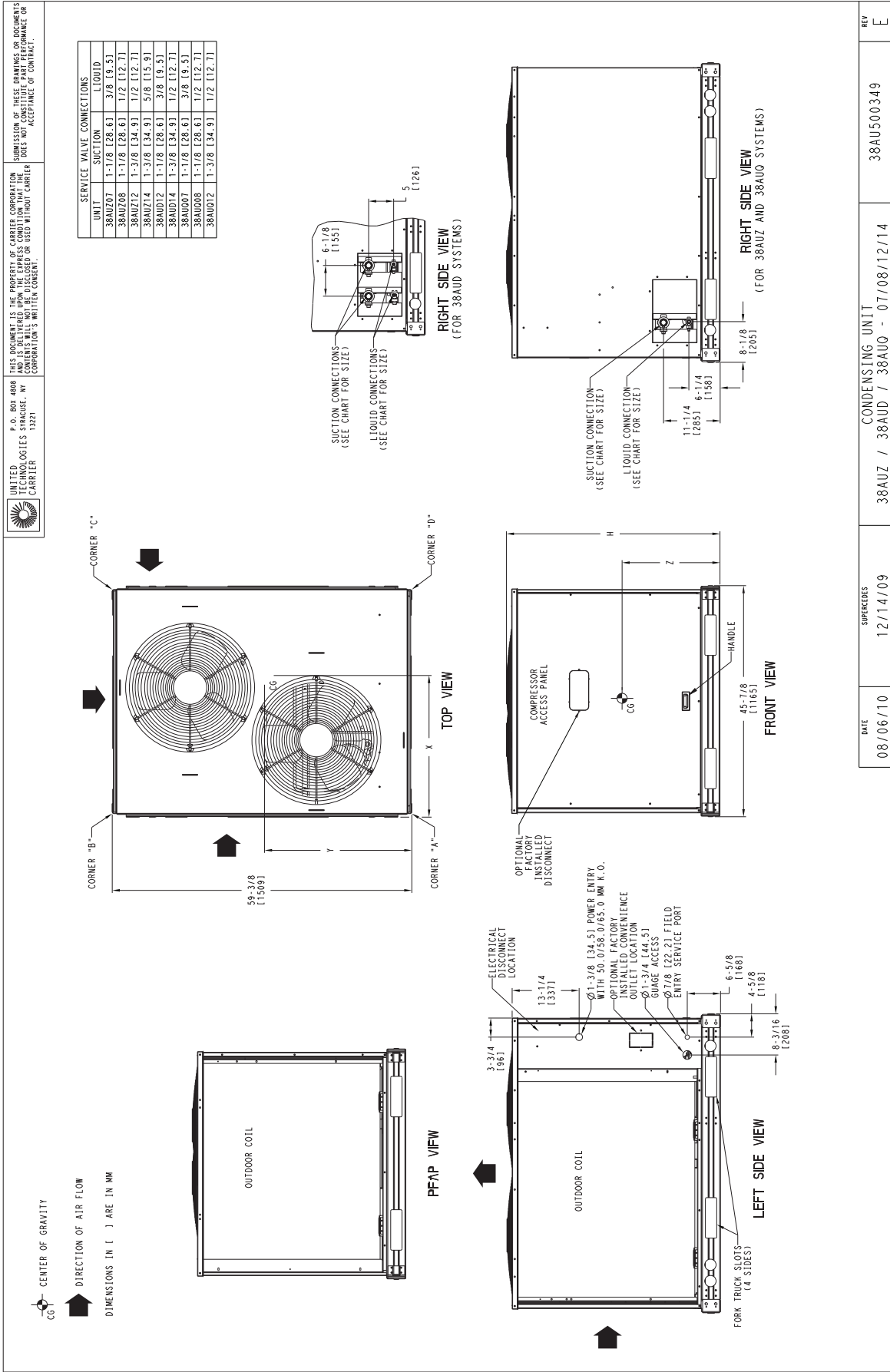
1. MINIMUM CLEARANCE (LOCAL CODES OR JURISDICTION MAY PREVAIL):
 - A. BOTTOM TO COMBUSTIBLE SURFACES: 0 INCHES.
 - B. OUTDOOR COIL, FOR PROPER AIR FLOW: 36 INCHES ONE SIDE, 12 INCHES THE OTHER. THE SIDE GETTING THE GREATER CLEARANCE IS OPTIONAL.
 - C. OVERHEAD: 60 INCHES, TO ASSURE PROPER OUTDOOR FAN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

DATE	08/06/10	SUPERCODES	12/14/09	38AUZ / 38AUD / 38AUZ - 07/08/12/14	CONDENSING UNIT	REV	E
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38AU500349

C101137

CERTIFIED DIMENSION 38AU*07, 08, 12, 14



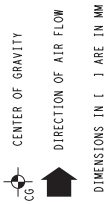
38AU

C101139

UNIT	ELECTRICAL CHARACTERISTICS				CENTER OF GRAVITY				UNIT HEIGHT		SUBMISSION OF THESE DRAWINGS OR DOCUMENTS DOES NOT CONSTITUTE PART PERFORMANCE OR ACCEPTANCE OF CONTRACT.								
	STD.	UNIT WT.	CORNER A	CORNER B	CORNER C	CORNER D	X	Y	Z	H									
	lbs.	kg.	lbs.	kg.	lbs.	kg.	lbs.	kg.	lbs.	kg.									
38A0025 (RTPF)	978	444	360	163	188	85	147	67	283	128	38	1965.21	17	1431.81	50	3078	11279.21		
38A0025 (RTPF)	978	444	360	163	188	85	147	67	283	128	38	1965.21	23	584.21	50	3078	11279.21		
38A0025 (RTPF)	978	444	360	163	188	85	147	67	283	128	38	1965.21	23	584.21	17	1431.81	50	3078	11279.21

UNIT	ELECTRICAL CHARACTERISTICS				CENTER OF GRAVITY			UNIT HEIGHT	THIS DOCUMENT IS THE PROPERTY OF CARRIER CORPORATION AND IS TO BE USED ONLY IN CONNECTION WITH THE CARRIER'S WRITTEN CONSENT. NO PART OF THIS DOCUMENT IS TO BE REPRODUCED OR USED WITHOUT CARRIER'S WRITTEN CONSENT.	
	STD. LBS.	UNIT LBS.	WT. KG.		CORNER A LBS.	CORNER B LBS.	CORNER C LBS.	X IN.		Y IN.
38A0275 (R1PF)	208	230	3-60	460	3-60	575	3-60	17	(431.8)	50-3/8 (1279.2)
38A0275 (R1PF)	208	230	3-60	460	3-60	575	3-60	17	(431.8)	50-3/8 (1279.2)
38A0275 (R1PF)	208	230	3-60	460	3-60	575	3-60	17	(431.8)	50-3/8 (1279.2)

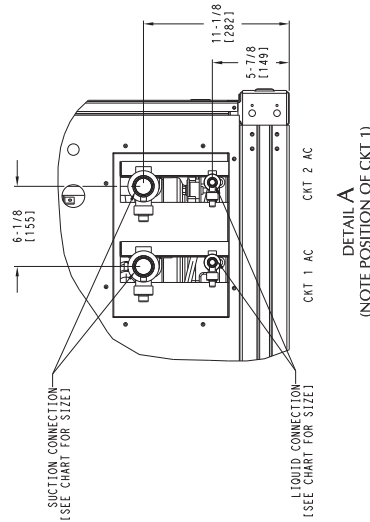
SERVICE VALVE CONNECTIONS			QTY
UNIT	SUCTION	LIQUID	
38AUZ25	1-5/8 [41.3]	5/8 [15.9]	1 EA
38AUD25	1-3/8 [34.9]	1/2 [12.7]	2 EA



LEFT SIDE VIEW FOR 38AUD SYSTEMS



LEFT SIDE VIEW



DETAIL A
(NOTE POSITION OF CKT 1)

DATE	SUPERCODES	REV
11/17/10	38AUZ , 38AUD CONDENSING UNIT	38AU500370

38AU

