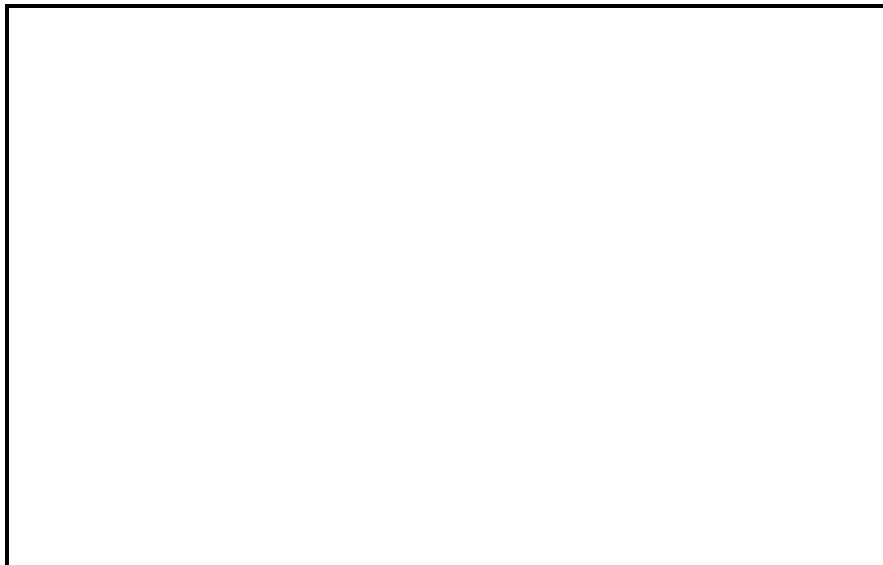


38AUZ/D
Air-Cooled Condensing Units
60 Hz
with Puron® (R-410A) Refrigerant
Sizes 07-25



Submittal Data

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



Job Data: _____ Location: _____

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

Unit Number: _____ Model Number: _____

Unit Designation: _____



Intertek
16–25 Models



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.

38AU

**Certified to
ISO 9001**



STANDARD FEATURES

- Puron (R-410A) HFC refrigerant
- Single-stage cooling capacity control on 07-14 models
- Single circuit two-stage cooling capacity control on 07 and 08 models (38AUZD/E units only).
- Two-stage cooling capacity control on 12 to 25 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 75va control system.
- High and low pressure switches.
- UL or UL, Canada listed (07-14 models) applies to standard units; 575-volt units UL, Canada only.
- ETL listed (16-25 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
- Standard limited parts warranty:
 - 5-year compressor parts
 - 1-year 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
- ☐ Pre Coat on Condenser Coil
- ☐ Copper/Copper Condenser Coil
- ☐ Motormaster® Low ambient head pressure controller, down to -20°F (-29°C)
- ☐ Non-fused disconnect
- ☐ Hot Gas By-Pass (38AUD 12, 16, and 25 models only)
- ☐ 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* price pages for further information.

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

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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						
38AUZ-07 (MCHX)	208/230-3-60,460-3-60,575-3-60	328	149	58	128	58	68	31	62	28	70	32	21	1533.41	19	1482.61	13	1330.21	42-3/8 (1076.01)	
38AUZ-08 (MCHX)	208/230-3-60,460-3-60,575-3-60	353	160	138	63	72	33	65	29	78	35	35	19	1482.61	23	1508.21	15	1381.01	42-3/8 (1076.01)	
38AUZ-12 (MCHX)	208/230-3-60,460-3-60,575-3-60	418	190	165	75	85	39	78	35	78	35	41	23	1564.21	20	1508.01	15	1381.01	50-3/8 (1279.21)	
38AUZ-14 (MCHX)	208/230-3-60,460-3-60,575-3-60	431	196	162	73	82	37	92	42	95	43		19	1482.61	23	1584.21	15	1381.01	50-3/8 (1279.21)	
38AUD-12 (MCHX)	208/230-3-60,460-3-60,575-3-60	499	226	193	88	111	50	72	38	123	56	20	1508.01	23	1584.21	25	1381.01	50-3/8 (1279.21)	50-3/8 (1279.21)	
38AUD-14 (MCHX)	208/230-3-60,460-3-60,575-3-60	505	229	190	86	88	40	76	34	151	68	20	1508.01	24	1609.61	15	1381.01	50-3/8 (1279.21)	50-3/8 (1279.21)	
38AUZ-07 (RTPF)	208/230-3-60,460-3-60,575-3-60	389	176	141	64	96	44	62	28	91	41	18	1457.21	21	1533.41	24	1609.61	21	1533.41	42-3/8 (1076.01)
38AUZ-A,B108 (RTPF)	208/230-3-60,460-3-60,575-3-60	391	177	142	64	96	44	62	28	91	41	18	1457.21	24	1609.61	21	1533.41	21	1533.41	42-3/8 (1076.01)
38AUZ-D,E108 (RTPF)	208/230-3-60,460-3-60,575-3-60	430	195	142	64	96	44	76	34	111	50	18	1457.21	24	1609.61	21	1533.41	21	1533.41	42-3/8 (1076.01)
38AUZ-12 (RTPF)	208/230-3-60,460-3-60,575-3-60	490	222	177	80	120	54	78	35	114	52	18	1457.21	24	1609.61	24	1609.61	24	1609.61	50-3/8 (1279.21)
38AUZ-14 (RTPF)	208/230-3-60,460-3-60,575-3-60	598	271	195	88	142	64	110	50	151	68	20	1508.01	25	1635.01	24	1609.61	24	1609.61	50-3/8 (1279.21)
38AUD-12 (RTPF)	208/230-3-60,460-3-60,575-3-60	516	234	185	84	117	53	83	38	131	59	19	1482.61	25	1635.01	24	1609.61	24	1609.61	50-3/8 (1279.21)
38AUD-14 (RTPF)	208/230-3-60,460-3-60,575-3-60	654	297	214	97	155	70	120	54	165	75	20	1508.01	25	1635.01	24	1609.61	24	1609.61	50-3/8 (1279.21)
38AUD-07	208/230-3-60,460-3-60,575-3-60	444	201	134	61	97	44	90	41	123	56	22	1558.81	25	1635.01	13	1330.21			42-3/8 (1076.01)
38AUD-A,B108	208/230-3-60,460-3-60,575-3-60	483	217	162	74	110	50	85	39	125	57	20	1508.01	24	1609.61	24	1609.61	21	1533.41	42-3/8 (1076.01)
38AUD-D,E108	208/230-3-60,460-3-60,575-3-60	523	237	174	79	118	54	96	44	135	61	21	1533.41	24	1609.61	23	1584.21	23	1584.21	50-3/8 (1279.21)
38AUD-12	208/230-3-60,460-3-60,575-3-60	575	261	186	84	126	57	106	48	157	71	21	1533.41	24	1609.61	23	1584.21			50-3/8 (1279.21)

NOTES:

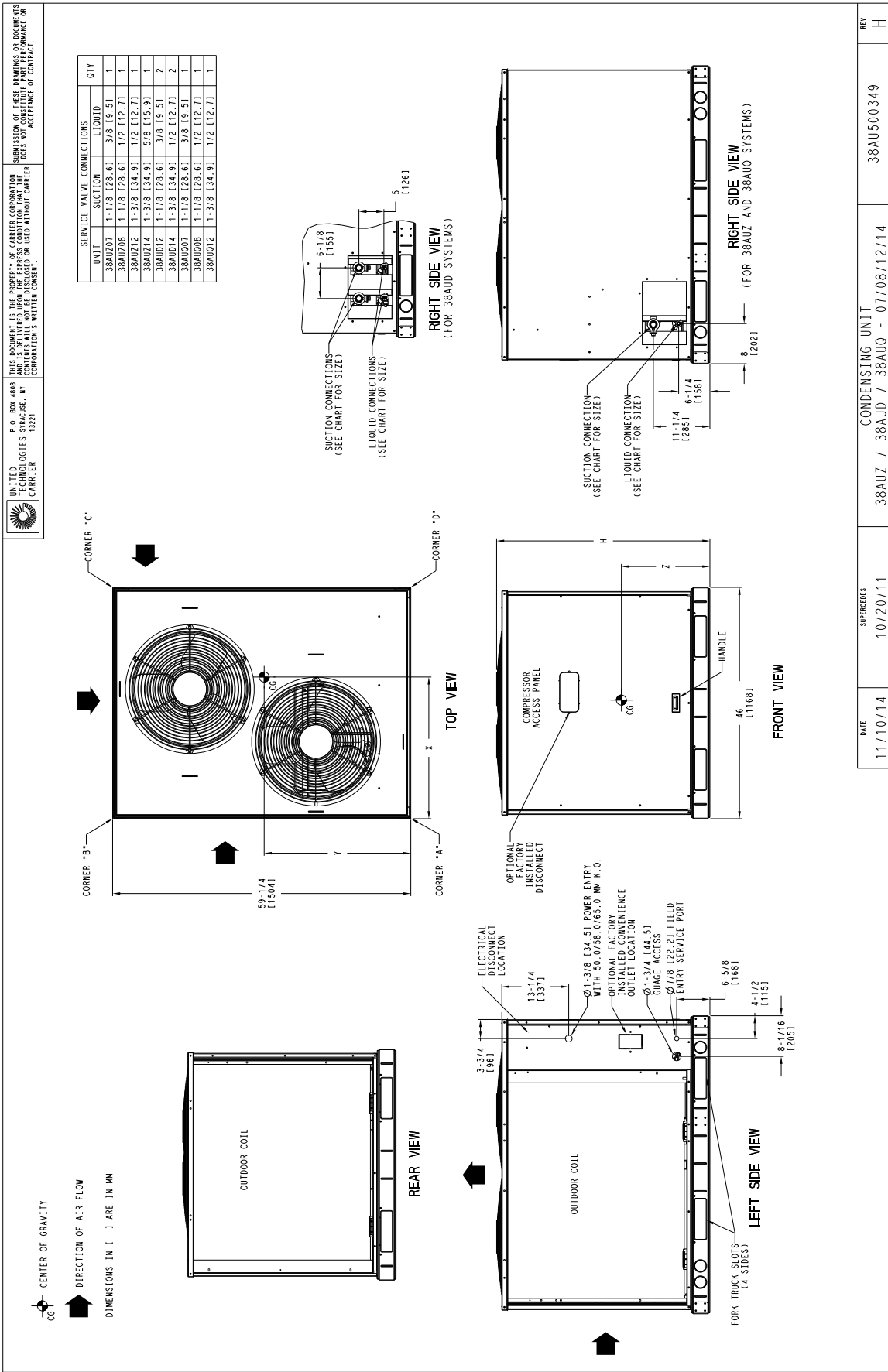
1. MINIMUM CLEARANCE (LOCAL CODES OR JURISDICTION MAY PREVAIL).
 - A. BOTTOM TO COMBUSTIBLE SURFACES: 0 INCHES.
 - B. OUTDOOR COIL, FOR PROPER AIR FLOW: 36 INCHES ONE SIDE, 12 INCHES THE OTHER. THE SIDE GETTING THE GREATER CLEARANCE IS OPTIONAL. STANDARD CLEARANCES ON REMAINING TWO SIDES.
 - C. OVERHEAD: 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.

NOTE: MCHX units are not currently available.

C14340

DATE	SUPERSERIES	CONDENSING UNIT	REV
11/10/14	10120/11	38AUZ / 38AUD / 38AUQ - 07/08/12/14	38AU500349 H

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




38AU

C14341

NOTE: MCHX units are not currently available.

UNIT	ELECTRICAL CHARACTERISTICS	CENTER OF GRAVITY						UNIT HEIGHT H														
		STD. UNIT WT. LBS.	CORNER A LBS.	CORNER B LBS.	CORNER C LBS.	X IN.	Y IN.															
38A0U75 (TRPF)	208/230-3-60, 460-3-60, 575-3-60	978	444	360	163	188	85	147	67	283	128	38	1965	21	23	584	21	17	1431	81	50-3/8	(1279, 21)
38A0U25 (TRPF)	208/230-3-60, 460-3-60, 575-3-60	978	444	360	163	188	85	147	67	283	128	38	1965	21	23	584	21	17	1431	81	50-3/8	(1279, 21)

UNIT	ELECTRICAL CHARACTERISTICS	CENTER OF GRAVITY												UNIT HEIGHT								
		STD. UNIT WT. LBS.	CORNER A LBS.	CORNER B LBS.	CORNER C LBS.	X IN.	Y IN.	Z IN.	H IN.													
38A0U75 (TRPF)	208/230-3-60, 460-3-60, 575-3-60	978	444	360	163	188	85	147	67	283	128	38	1965	21	23	584	21	17	1431	81	50-3/8	(1279, 21)
38A0U25 (TRPF)	208/230-3-60, 460-3-60, 575-3-60	978	444	360	163	188	85	147	67	283	128	38	1965	21	23	584	21	17	1431	81	50-3/8	(1279, 21)



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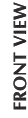
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SERVICE VALVE CONNECTIONS			QTY
UNIT	SUCTION	LIQUID	
38AUZ25	1-5/8 [41.3]	5/8 [15.9]	1 EA
38AUD25	1-3/8 [34.9]	1/2 [12.7]	2 EA



38AU