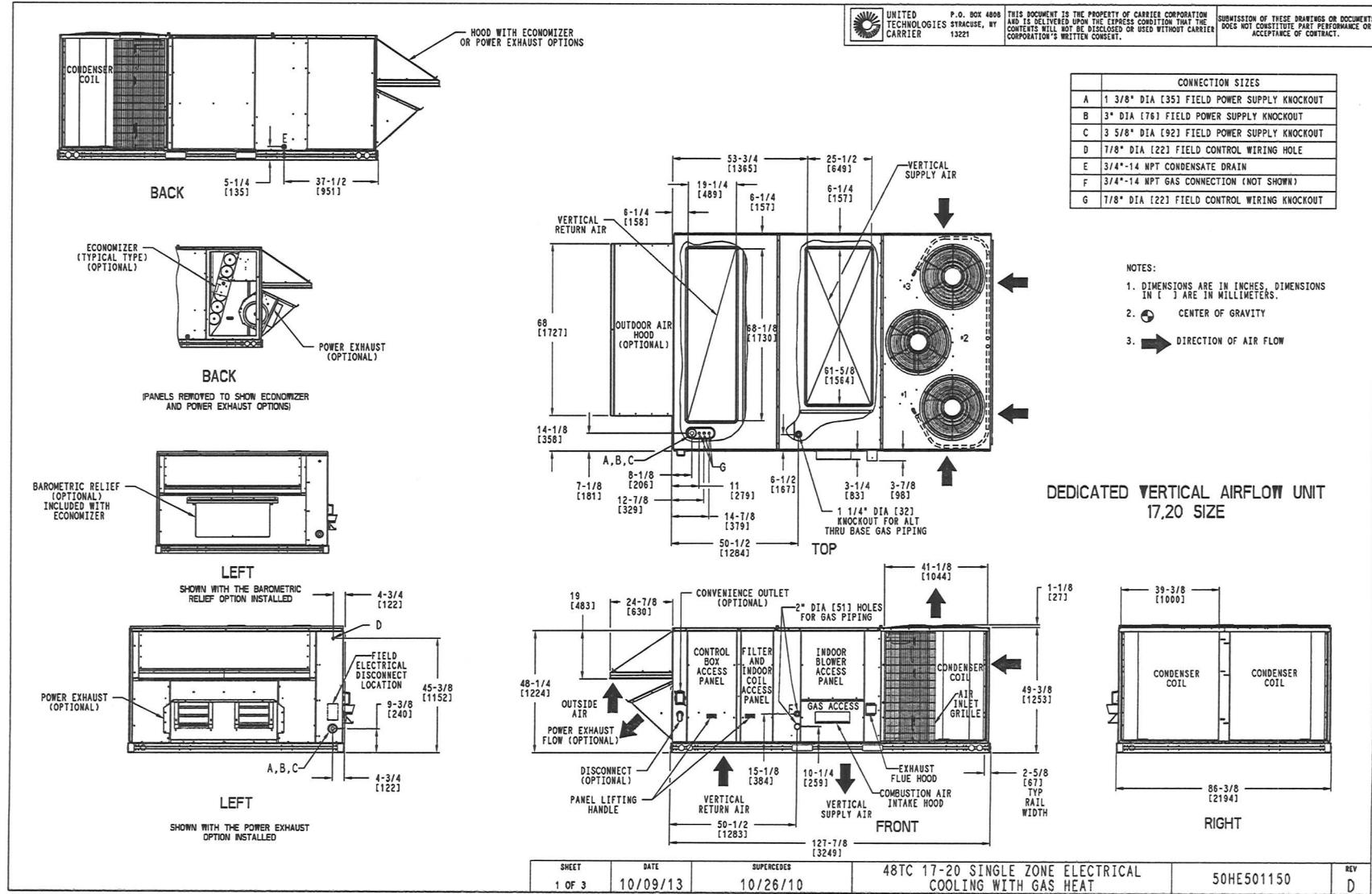


## Certified Drawing for 17.5 Ton

Project: ~Untitled4  
Prepared By:

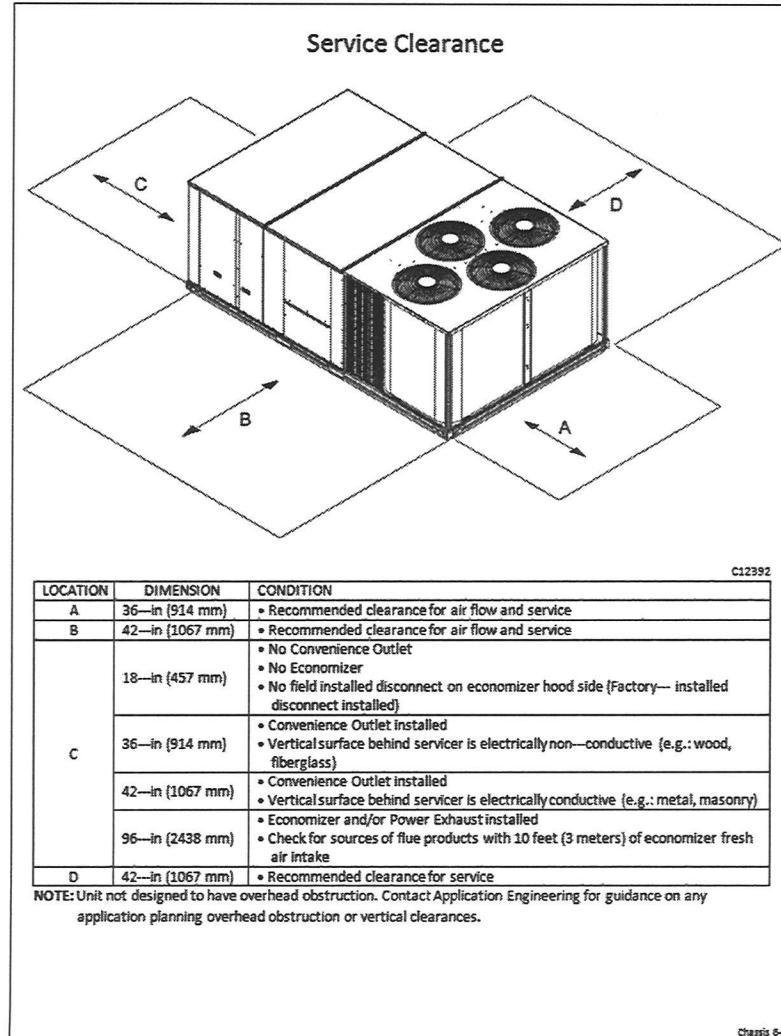
11/28/2014  
12:13PM



# Certified Drawing for 17.5 Ton

Project: ~Untitled4  
Prepared By:

11/28/2014  
12:13PM



# Certified Drawing for 17.5 Ton

Project: ~Untitled4  
Prepared By:

11/28/2014  
12:13PM

UNIT	OUTDOOR COIL TYPE	STD UNIT WEIGHT #	CORNER A LBS.	CORNER A KG.	CORNER B LBS.	CORNER B KG.	CORNER C LBS.	CORNER C KG.	CORNER D LBS.	CORNER D KG.	C.G. X	C.G. Y	C.G. Z	
48TC17	MCHX	1824	829	434	197	443	210	479	218	469	213	44 3/4 [1137]	64 3/4 [1645]	16 1/2 [4193]
48TC18	MCHX	1838	836	437	198	447	203	463	212	478	215	44 3/4 [1137]	64 3/4 [1645]	16 1/2 [4193]
48TC17	RTPF	1807	867	438	199	319	238	515	234	435	198	42 29/32 [1090]	69 1/4 [1759]	16 1/2 [4193]
48TC18	RTPF	1892	860	401	182	449	204	369	257	393	230	48 [1219]	67 3/8 [1711]	16 1/2 [4193]
48TC20	RTPF	1922	874	441	201	523	238	519	238	438	199	42 29/32 [1090]	69 1/4 [1759]	16 1/2 [4193]

RTPF - ROUND TUBE, PLATE FIN (COPPER/ALUM)  
MCHX - NOVATION (ALUM/ALUM)

UNITED TECHNOLOGIES SYRACUSE, NY  
P.O. BOX 4808  
13221  
THIS DOCUMENT IS THE PROPERTY OF CARRIER CORPORATION  
AND IS DELIVERED UPON THE EXPRESS CONDITION THAT THE  
CONTENTS WILL NOT BE DISCLOSED OR USED WITHOUT CARRIER  
CORPORATION'S WRITTEN CONSENT.  
SUBMISSION OF THESE DRAWINGS OR DOCUMENTS  
DOES NOT CONSTITUTE AN AGREEMENT TO PURCHASE OR  
ACCEPTANCE OF CONTRACT.

\* STANDARD UNIT WEIGHT IS WITH LOW GAS HEAT AND WITHOUT PACKAGING.  
FOR OTHER OPTIONS AND ACCESSORIES, REFER TO THE PRODUCT DATA CATALOG.

SHEET 3 OF 3	DATE 10/09/13	SUPERCEDES 10/26/10	48TC 17-20 SINGLE ZONE ELECTRICAL COOLING WITH GAS HEAT	50HE501150	REV D
-----------------	------------------	------------------------	--	------------	----------

15 TON

\*4 UNITS

## CURBS, WEIGHTS & DIMENSIONS (cont.)

UNIT	STD UNIT WEIGHT*		CORNER WEIGHT (A)		CORNER WEIGHT (B)		CORNER WEIGHT (C)		CORNER WEIGHT (D)		C.G.		
	LBS.	KG.	LBS.	KG.	LBS.	KG.	LBS.	KG.	LBS.	KG.	X	Y	Z
48TC-D16	1380	627	295	134	276	126	342	156	421	191	64 1/4 [1630]	35 [890]	21 1/8 [537]

\*STANDARD UNIT WEIGHT IS WITH LOW HEAT & WITHOUT PACKAGING.  
FOR OPTIONS & ACCESSORIES, REFER TO THE PRODUCT DATA CATALOG.

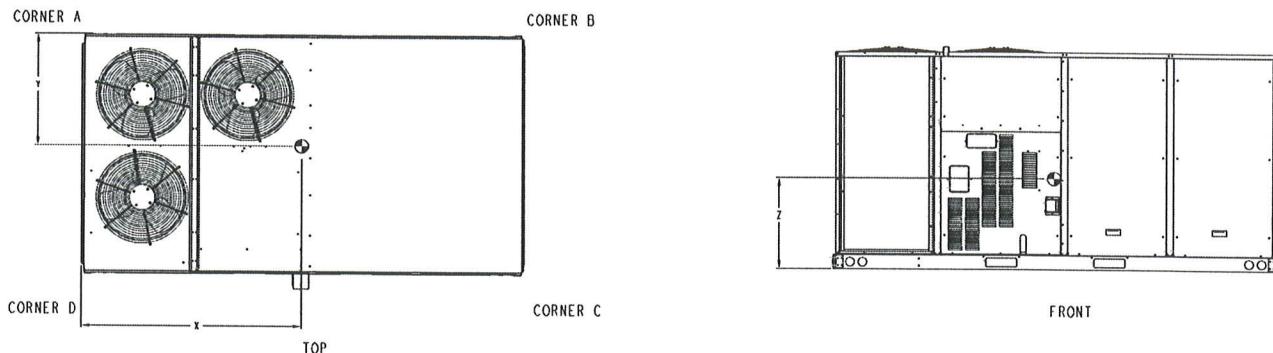


Fig. 13 - Dimensions 48TC 16

C10862B

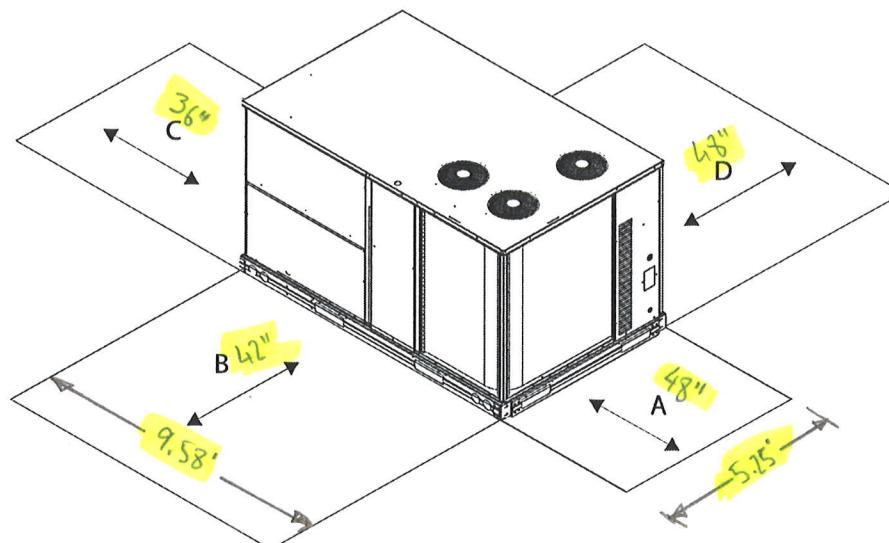


Fig. 14 - Service Clearance

C10578B

LOC	DIMENSION	CONDITION
A	48-in (1219 mm) 18-in (457 mm) 18-in (457 mm) 12-in (305 mm)	Unit disconnect is mounted on panel No disconnect, convenience outlet option Recommended service clearance Minimum clearance
B	42-in (1067 mm) 36-in (914 mm) Special	Surface behind servicer is grounded (e.g., metal, masonry wall) Surface behind servicer is electrically non-conductive (e.g., wood, fiberglass) Check for sources of flue products within 10-ft of unit fresh air intake hood
C	36-in (914 mm) 18-in (457 mm)	Side condensate drain is used Minimum clearance
D	48-in (1219 mm) 42-in (1067 mm) 36-in (914 mm) Special	No flue discharge accessory installed, surface is combustible material Surface behind servicer is grounded (e.g., metal, masonry wall, another unit) Surface behind servicer is electrically non-conductive (e.g., wood, fiberglass) Check for adjacent units or building fresh air intakes within 10-ft of this unit's flue outlet

NOTE: Unit not designed to have overhead obstruction. Contact Application Engineering for guidance on any application planning overhead obstruction or vertical clearances.

IS TON

## CURBS, WEIGHTS &amp; DIMENSIONS (cont.)

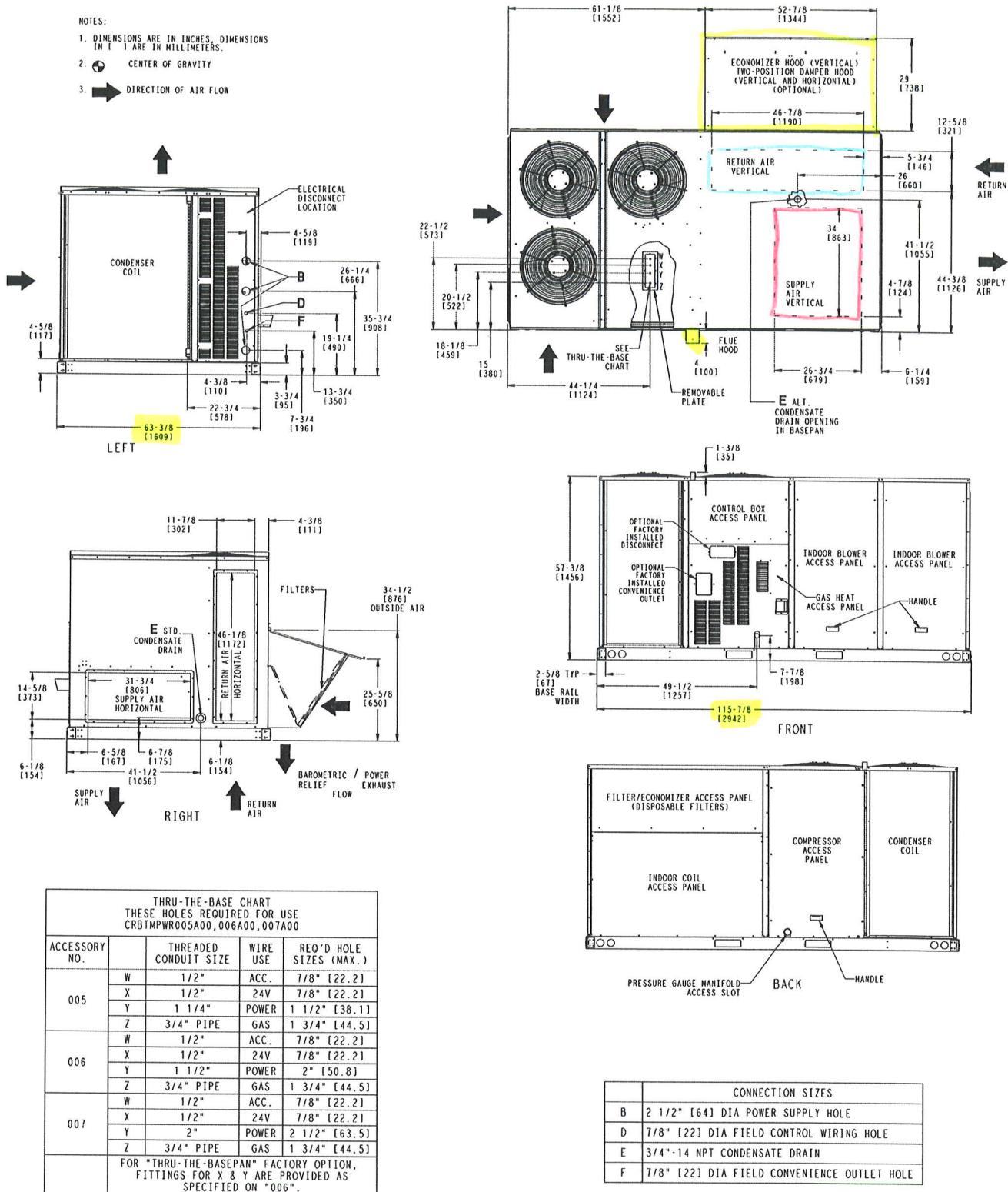


Fig. 12 - Dimensions 48TC 16

A10488

## CURBS, WEIGHTS & DIMENSIONS (cont.)

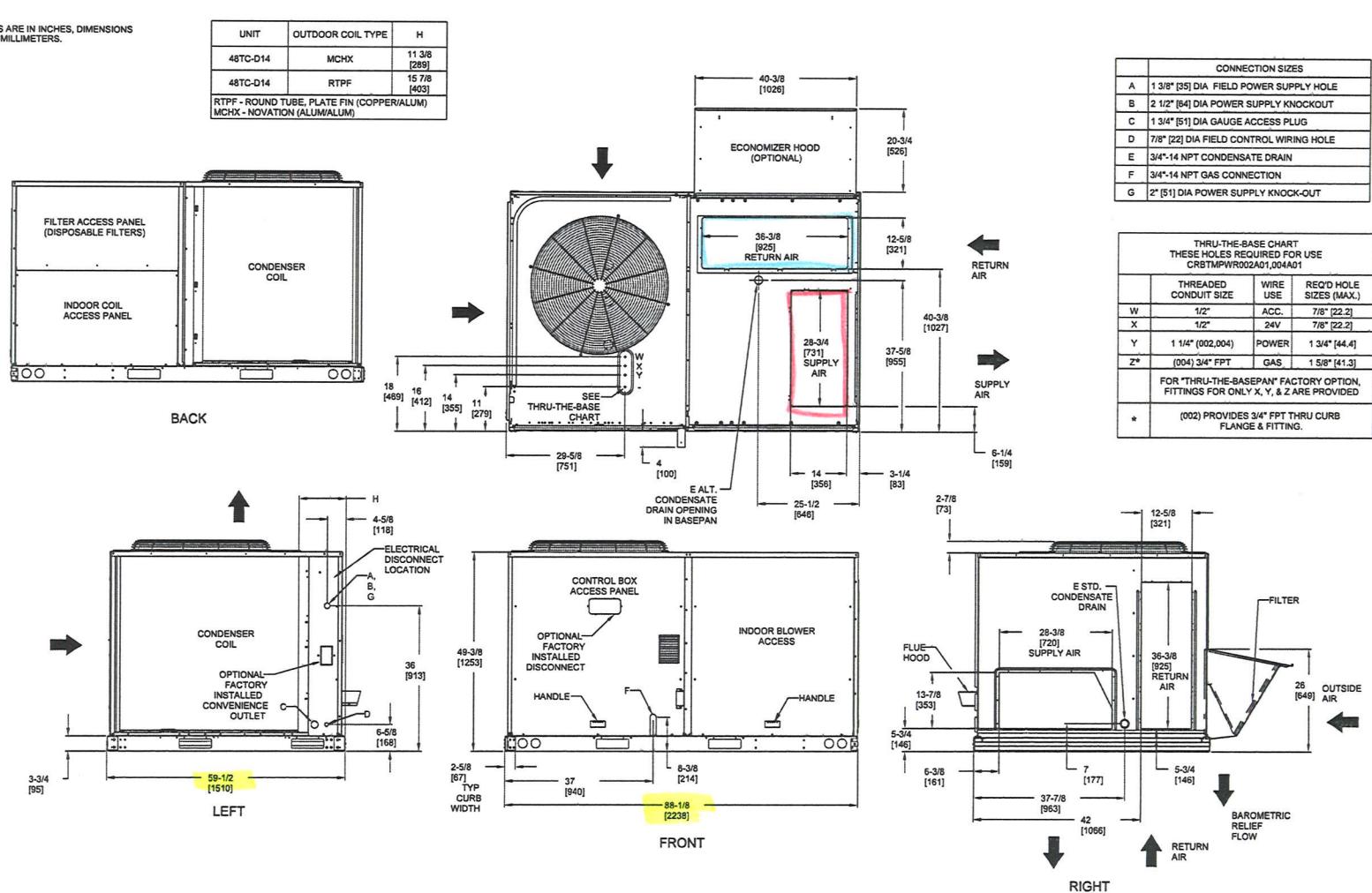


Fig. 9 - Dimensions 48TC 14

17.5 TON DOWN DISCHARGE

## CURBS, WEIGHTS & DIMENSIONS (cont.)

UNIT	OUTDOOR COIL TYPE	STD. UNIT WEIGHT***		CORNER WEIGHT (A)		CORNER WEIGHT (B)		CORNER WEIGHT (C)		CORNER WEIGHT (D)		C.G.		
		LBS.	KG.	LBS.	KG.	LBS.	KG.	LBS.	KG.	LBS.	KG.	X	Y	Z
48TC-D14	MCHX	1116	506	297	135	157	71	229	104	434	197	29 1/2 [749]	34 1/4 [870]	20 1/4 [514]
48TC-D14	RTPF	1167	530	349	159	167	76	211	96	440	200	31 3/8 [797]	34 3/4 [883]	21 7/8 [556]

RTPF - ROUND TUBE, PLATE FIN (COPPER/ALUM)  
MCHX - MICROCHANNEL (ALUM/ALUM)

\*STANDARD UNIT WEIGHT IS WITH LOW HEAT & WITHOUT PACKAGING.  
FOR OPTIONS & ACCESSORIES, REFER TO THE PRODUCT DATA CATALOG.

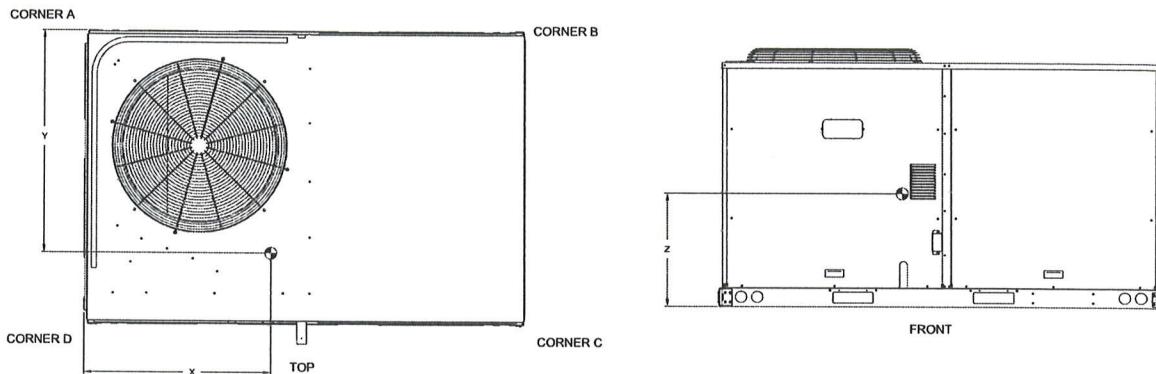


Fig. 10 - Dimensions 48TC 14

A10487A

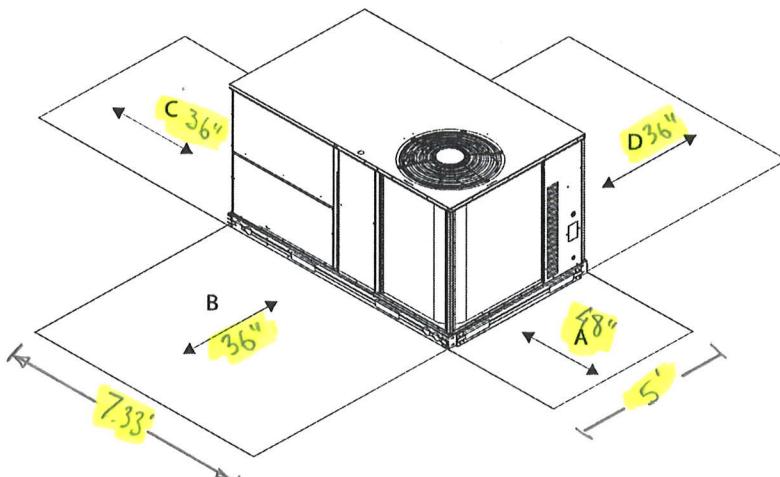


Fig. 11 - Service Clearance

C08337

LOC	DIMENSION	CONDITION
A	48-in (1219 mm)	Unit disconnect is mounted on panel
	36-in (914 mm)	If dimension-B is 12-in (305 mm)
	18-in (457 mm)	No disconnect, convenience outlet option
	18-in (457 mm)	Recommended service clearance (use electric screwdriver)
	12-in (305 mm)	Minimum clearance (use manual ratchet screwdriver)
B	36-in (914 mm)	Unit has economizer
	12-in (305 mm)	If dimension-A is 36-in (914 mm)
	Special	Check for sources of flue products within 10-ft of unit fresh air intake hood
C	36-in (914 mm)	Side condensate drain is used
	18-in (457 mm)	Minimum clearance
D	48-in (1219 mm)	No flue discharge accessory installed, surface is combustible material
	42-in (1067 mm)	Surface behind servicer is grounded (e.g., metal, masonry wall, another unit)
	36-in (914 mm)	Surface behind servicer is electrically non-conductive (e.g., wood, fiberglass)
	Special	Check for adjacent units or building fresh air intakes within 10-ft of this unit's flue outlet

NOTE: Unit not designed to have overhead obstruction. Contact Application Engineering for guidance on any application planning overhead obstruction or vertical clearances.

7.5 TON DOWN DISCHARGE \*2 UNITS

## CURBS, WEIGHTS & DIMENSIONS (cont.)

UNIT	OUTDOOR COIL TYPE	STD. UNIT WEIGHT		CORNER WEIGHT (A)		CORNER WEIGHT (B)		CORNER WEIGHT (C)		CORNER WEIGHT (D)		C.G.		
		LBS.	KG.	LBS.	KG.	LBS.	KG.	LBS.	KG.	LBS.	KG.	X	Y	Z
48TC-A08	RTPF	780	354	178	81	158	72	209	95	236	107	41 1/2 [1054]	33 7/8 [860]	20 1/2 [521]
48TC-A09	RTPF	920	418	212	96	183	83	243	110	282	128	40 7/8 [1038]	34 [864]	23 1/8 [587]
48TC-A12	RTPF	930	422	216	98	196	89	247	112	272	123.5	42 1/8 [1067]	33 1/8 [844]	24 1/4 [616]
48TC-D08	RTPF	835	379	164	74.5	170	77.2	255	115.8	246	111.7	44 7/8 [1140]	35 5/8 [905]	19 3/8 [492]
48TC-D09	RTPF	930	422	228	103.5	187	85	232	105.3	203	120.5	39 3/4 [1101]	32 7/8 [835]	18 5/8 [473]
48TC-D12	RTPF	940	427	231	104.9	189	85.8	234	106.2	286	129.8	39 3/4 [1010]	33 [838]	18 1/2 [470]
48TC-D08	MCHX	805	365.5	160	72.6	153	69.5	240	109	260	118	43 [1092]	36 3/8 [924]	20 3/8 [517.7]
48TC-D12	MCHX	895	406.3	185	84	176	79.9	260	118	274	124.4	42 7/8 [1089]	35 1/2 [902]	22 7/8 [581]

RTPF - ROUND TUBE, PLATE FIN (COPPER/ALUM)

MCHX - NOVATION (ALUM/ALUM)

\*\*\* STANDARD UNIT WEIGHT IS WITH LOW GAS HEAT AND WITHOUT PACKAGING.  
FOR OTHER OPTIONS AND ACCESSORIES, REFER TO THE PRODUCT DATA CATALOG.

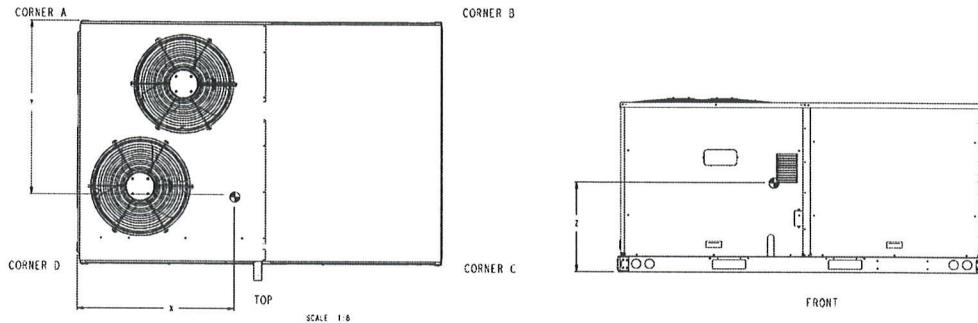


Fig. 6 - 48TC 08-12

C10299

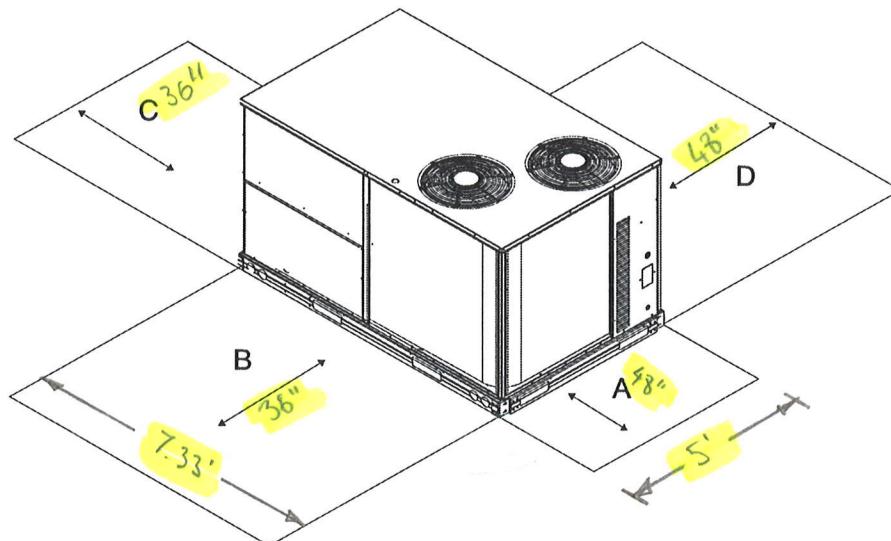


Fig. 7 - Service Clearance

C11247

LOC	DIMENSION	CONDITION
A	48-in (1219 mm) 36-in (914 mm) 18-in (457 mm) 18-in (457 mm) 12-in (305 mm)	Unit disconnect is mounted on panel If dimension-B is 12-in (305 mm) No disconnect, convenience outlet option Recommended service clearance (use electric screwdriver) Minimum clearance (use manual ratchet screwdriver)
B	36-in (914 mm) 12-in (305 mm) Special	If dimension-A is 36-in (914 mm) Check for sources of flue products within 10-ft of unit fresh air intake hood
C	36-in (914 mm) 18-in (457 mm)	Side condensate drain is used Minimum clearance
D	48-in (1219 mm) 42-in (1067 mm) 36-in (914 mm) Special	No flue discharge accessory installed, surface is combustible material Surface behind servicer is grounded (e.g., metal, masonry wall, another unit) Surface behind servicer is electrically non-conductive (e.g., wood, fiberglass) Check for adjacent units or building fresh air intakes within 10-ft of this unit's flue outlet

NOTE: Unit not designed to have overhead obstruction. Contact Application Engineering for guidance on any application planning overhead obstruction or vertical clearances.

T.S TON DOWN DISCHARGE X2 UNITS

## CURBS, WEIGHTS & DIMENSIONS (cont.)

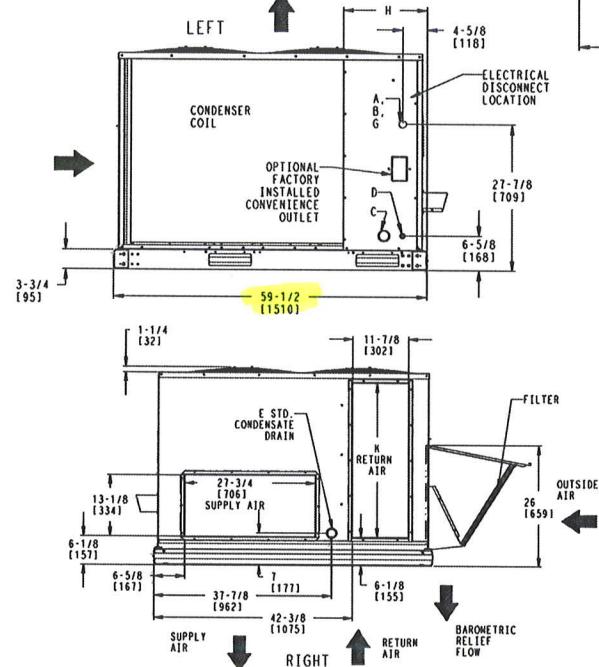
### NOTES:

1. DIMENSIONS ARE IN INCHES, DIMENSIONS IN ( ) ARE IN MILLIMETERS.

2. CENTER OF GRAVITY

3. ➤ DIRECTION OF AIR FLOW

CONNECTION SIZES	
A	1 3/8" DIA [35] FIELD POWER SUPPLY HOLE
B	2 1/2" [64] DIA POWER SUPPLY KNOCKOUT
C	1 3/4" DIA [51] GAUGE ACCESS PLUG
D	7/8" DIA [22] FIELD CONTROL WIRING HOLE
E	3/4"-14 NPT CONDENSATE DRAIN
F	1/2"-14 NPT GAS CONNECTION 3/4"-14 NPT GAS CONNECTION
G	2" DIA [51] POWER SUPPLY KNOCK-OUT



UNIT	OUTDOOR COIL TYPE	J	K	H
48TC-A08	RTPF	41 1/4 [1048]	33 [658]	15 7/8 [403]
48TC-A09	RTPF	49 3/8 [1253]	37 1/4 [946]	27 7/8 [708]
48TC-A12	RTPF	49 3/8 [1253]	37 1/4 [946]	15 7/8 [403]
48TC-D08	RTPF	41 1/4 [1048]	33 [658]	15 7/8 [403]
48TC-D09	RTPF	49 3/8 [1253]	37 1/4 [946]	15 7/8 [403]
48TC-D12	RTPF	49 3/8 [1253]	37 1/4 [946]	15 7/8 [403]
48TC-D08	MCHX	41 1/4 [1048]	33 [658]	23 [584.2]
48TC-D12	MCHX	49 3/8 [1253]	37 1/4 [946]	11 [279.4]

RTPF - ROUND TUBE, PLATE FIN (COPPER/ALUM)  
MCHX - NOVATION (ALUM/ALUM)

THRU-THE-BASE CHART (FIELD INST.)			
THESE HOLES REQUIRED FOR USE WITH ACCY KITS: CRBTMPWR002A01: GAS THRU CURB CRBTMPWR004A01: GAS THRU BASEPAN			
W	THREADED CONDUIT SIZE	WIRE USE	REQ'D HOLE SIZES (MAX.)
W	1/2"	ACC.	7/8" [22.2]
X	1/2"	24V	7/8" [22.2]
Y	1 1/4" (002,004)	POWER	1 3/4" [44.4]
Z *	(004) 3/4" FPT	GAS	1 3/4" [44.4]
*	(002) PROVIDES 3/4" FPT THRU CURB FLANGE & FITTING. HOLE SIZE: 2" [50.8]		

THRU-THE-BASE CHART (FIOP)			
FOR "THRU-THE-BASEPAN" FACTORY OPTION, FITTINGS FOR ONLY X, Y, & Z ARE PROVIDED. **			
** FOR BELOW LISTED MODELS, A FIELD SUPPLIED 1/2" ADAPTER IS REQUIRED BETWEEN BASE PAN FITTING AND GAS VALVE: 48TC-D08,09			

C10298

Fig. 5 - Dimensions 48TC 08-12

6 TON DOWN DISCHARGE X 1 UNIT

## CURBS, WEIGHTS & DIMENSIONS (cont.)

UNIT	STD. UNIT WEIGHT		CORNER WEIGHT (A)		CORNER WEIGHT (B)		CORNER WEIGHT (C)		CORNER WEIGHT (D)		C.G.		HEIGHT
	LBS.	KG.	LBS.	KG.	LBS.	KG.	LBS.	KG.	LBS.	KG.	X	Y	
48TC-A04	483	219	111	50	125	57	131	59	116	53	39 [991]	23 [584]	16 3/8 [416]
48TC-A05	537	244	124	56	139	63	145	66	129	59	39 [991]	23 [584]	17 [432]
48TC-A06	569	258	131	59	147	67	154	70	137	62	39 [991]	23 [584]	17 1/4 [438]
48TC-A07	652	296	150	68	169	76	176	80	157	71	39 [991]	23 [584]	20 1/8 [511]

\*STANDARD UNIT WEIGHT IS WITH LOW HEAT & WITHOUT PACKAGING.  
FOR OPTIONS & ACCESSORIES, REFER TO THE PRODUCT DATA CATALOG.

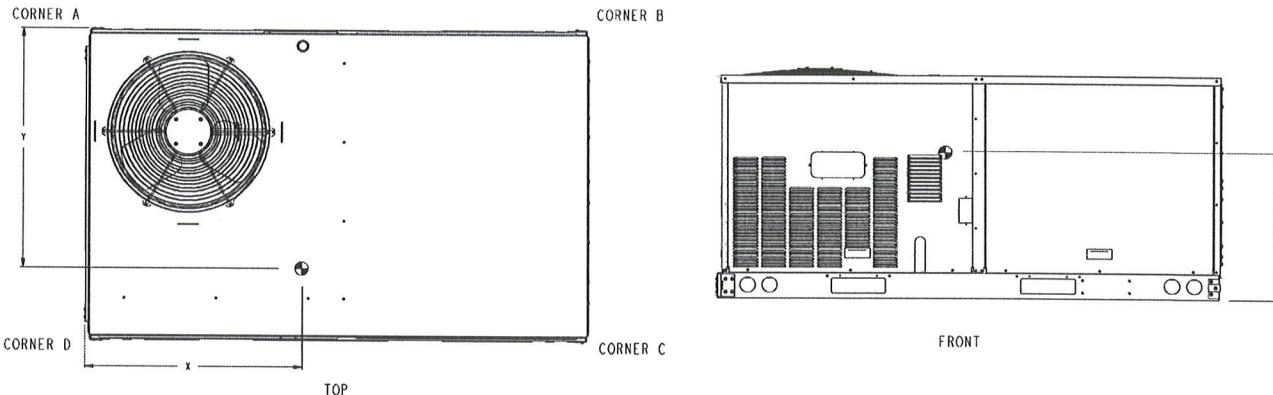


Fig. 2 - Dimensions 48TC 04-07

A10485A

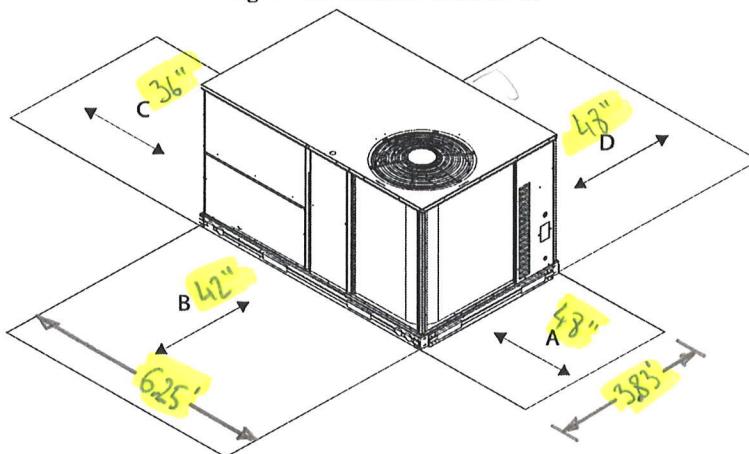


Fig. 3 - Service Clearance

C08337

LOC	DIMENSION	CONDITION
A	48-in (1219 mm) 18-in (457 mm) 18-in (457 mm) 12-in (305 mm)	Unit disconnect is mounted on panel No disconnect, convenience outlet option Recommended service clearance Minimum clearance
B	42-in (1067 mm) 36-in (914 mm) Special	Surface behind servicer is grounded (e.g., metal, masonry wall) Surface behind servicer is electrically non-conductive (e.g., wood, fiberglass) Check for sources of flue products within 10-ft of unit fresh air intake hood
C	36-in (914 mm) 18-in (457 mm)	Side condensate drain is used Minimum clearance
D	48-in (1219 mm) 42-in (1067 mm) 36-in (914 mm) Special	No flue discharge accessory installed, surface is combustible material Surface behind servicer is grounded (e.g., metal, masonry wall, another unit) Surface behind servicer is electrically non-conductive (e.g., wood, fiberglass) Check for adjacent units or building fresh air intakes within 10-ft of this unit's flue outlet

NOTE: Unit not designed to have overhead obstruction. Contact Application Engineering for guidance on any application planning overhead obstruction or vertical clearances.

# 6 TON DOWN DISCHARGE

## CURBS, WEIGHTS & DIMENSIONS

### NOTES:

1. DIMENSIONS ARE IN INCHES, DIMENSIONS IN [ ] ARE IN MILLIMETERS.
2. CENTER OF GRAVITY
3. DIRECTION OF AIR FLOW

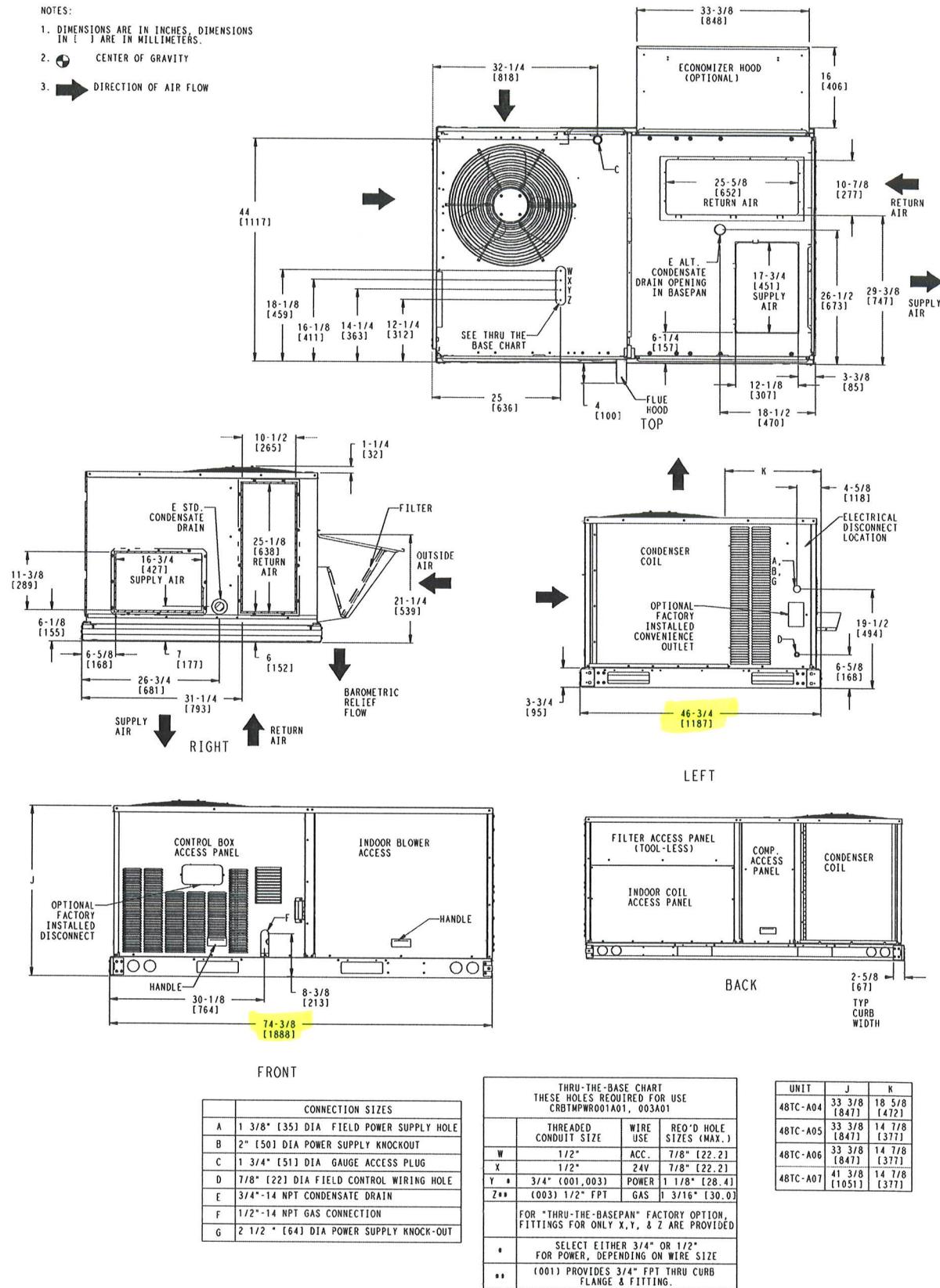


Fig. 1 - Dimensions 48TC 04-07

A10484

ERV DOWN DISCHARGE & UNIT

