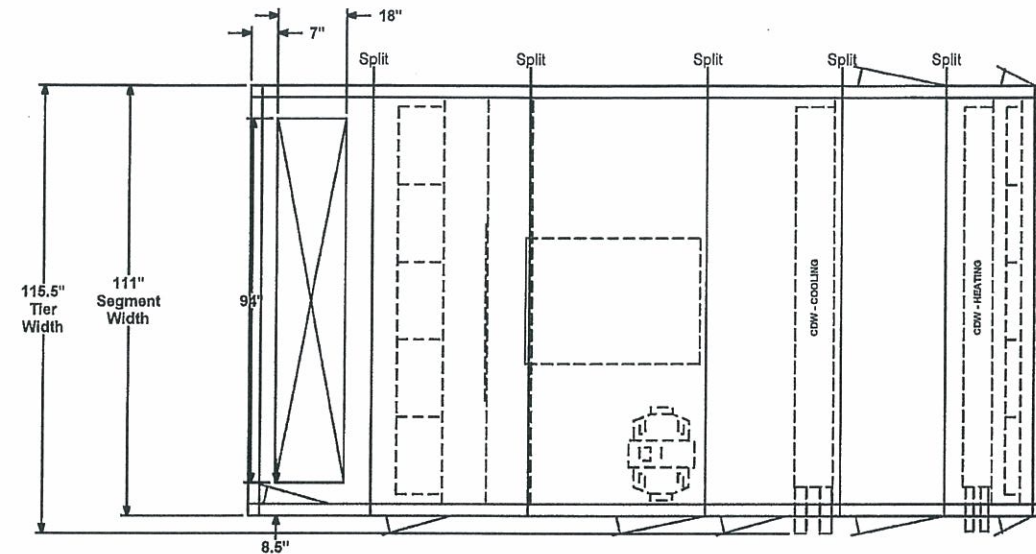


	Tag	
	Airflow (CFM)	
	Model No.	
	Construction	
	Max. Length (in.)	
	Max. Height (in.)	
	Max. Width (in.)	
	Max. Weight (lbs)	
	Function	
	Wheel Type	
	Size	
	Class	
	E.S.P. (in. w.g.)	
	T.S.P. (in. w.g.)	
	Airflow (CFM)	
	Max. BHP	
	RPM	
	Motor HP	
	Motor Type	
	V	
	Hz	
	Ph	
	Airflow (CFM)	
	EAT-DB (°F)	
	EAT-WB (°F)	
	LAT-DB (°F)	
	LAT-WB (°F)	
	TMBH	
	SMBH	
	Max. F.V. (ft/min)	
	Max. A.P.D. (in. w.g.)	
	EWI (°F)	
	LWI (°F)	
	Flow Rate (gpm)	
	Max. W.P.D. (ft/w.c.)	
	Min. Rows	
	FPI	
	Airflow (CFM)	
	EAT-DB (°F)	
	LAT-DB (°F)	
	MBH	
	Max. F.V. (ft/min)	
	Max. A.P.D. (in. w.g.)	
	EWI (°F)	
	LWI (°F)	
	Flow Rate (gpm)	
	Max. W.P.D. (ft/w.c.)	
	Min. Rows	
	FPI	
	Duty	
	Type	
	Efficiency	
	Qty/Size	
	Depth	
	Access Type	
	Function	
	Type	
	Efficiency	
	Qty/Size	
	Depth	
	Access Type	
	Function	

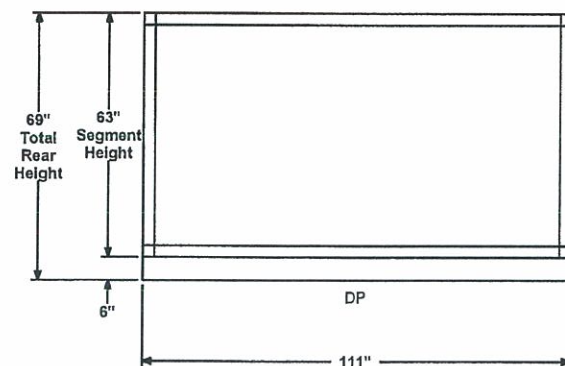


Air Handling Unit Data	AHU-72	AHU-73	AHU-80	AHU-82	AHU-85	AHU-86	AHU-93	AHU-94	AHU-96
	2600	7300	16970	3060	10470	1220	9590	2500	2090
	XTI-33x57	XTI-45x75	XTI-63x111	XTI-36x57	XTI-51x87	XTI-27x42	XTI-51x84	XTI-33x57	XTI-30x48
	Indoor Air Handler	Indoor Air Handler	Indoor Air Handler	Indoor Air Handler	Indoor Air Handler	Indoor Air Handler	Indoor Air Handler	Indoor Air Handler	Indoor Air Handler
	143	178	207	148	197	155	187	158	157
	33	45	63	36	51	27	51	33	30
	57	75	111	57	87	42	84	57	48
Fan Data	2614	4110	7285	2804	5328	2047	5094	2746	2368
	Supply Fan	Supply Fan	Supply Fan	Supply Fan	Supply Fan	Supply Fan	Supply Fan	Supply Fan	Supply Fan
	APAF	AF	AF	APAF	AF	FC	AF	APAF	APAF
	14 SWSI	18-18 DWDI	25-25 DWDI	16 SWSI	20-20 DWDI	7-7 DWDI	20-20 DWDI	14 SWSI	12 SWSI
	II	II	II	II	II	II	II	II	II
	2.70	2.83	2.80	2.83	2.35	1.98	3.24	2.55	1.96
	3.97	4.66	4.86	4.29	4.57	3.78	4.99	3.61	3.68
	2600	7300	16970	3060	10470	1220	9590	2500	2090
	3.18	7.91	18.34	4.04	11.11	1.57	10.53	2.78	2.48
	2700	2125	1557	2446	1929	2691	1919	2580	3001
	5.0	10.0	25.0	5.0	15.0	3.0	15.0	5.0	3.0
	TEFC Premium Efficiency	TEFC Premium Efficiency	TEFC Premium Efficiency	TEFC Premium Efficiency	TEFC Premium Efficiency	TEFC Premium Efficiency	TEFC Premium Efficiency	TEFC Premium Efficiency	TEFC Premium Efficiency
	460	460	460	460	460	460	460	460	460
	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
Chilled Water Coil	3	3	3	3	3	3	3	3	3
	2600	7300	16970	3060	10470	1220	9590	2500	2090
	95.00	82.90	83.00	95.00	77.30	95.00	83.20	95.00	95.00
	83.00	66.90	67.70	83.00	64.50	83.00	67.60	83.00	83.00
	49.53	51.55	55.02	50.40	51.42	50.50	51.37	49.70	50.45
	49.50	51.26	54.26	50.36	51.16	50.47	51.10	49.67	50.42
	314.60	342.00	709.20	364.10	407.00	144.70	477.00	301.00	248.30
	135.40	253.70	526.70	156.60	299.90	62.20	338.40	129.50	106.80
	351.00	468.00	485.00	369.00	482.00	330.00	461.00	338.00	402.00
	0.64	0.76	0.68	0.69	0.79	0.56	0.76	0.60	0.85
	44.00	44.00	44.00	44.00	44.00	44.00	44.00	44.00	44.00
	56.05	55.95	59.36	55.69	56.28	56.00	56.16	55.92	55.77
	52.00	57.00	92.00	62.00	66.00	24.00	78.10	50.30	42.00
	9.40	6.80	13.50	11.40	7.90	9.50	10.40	8.80	8.20
	6	6	6	6	6	6	6	6	6
	11	10	8	12	10	11	10	12	12
Hot Water Heating Coil	2600	7300	16970	3060	10470	1220	9590	2500	2090
	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
	66.42	57.55	55.94	60.78	57.58	66.44	58.30	67.48	57.13
	144.60	336.10	750.90	151.70	481.90	67.90	448.70	141.70	95.30
	351.00	468.00	485.00	369.00	482.00	330.00	461.00	338.00	402.00
	0.06	0.10	0.10	0.07	0.10	0.05	0.09	0.06	0.08
	180.00	180.00	180.00	180.00	180.00	180.00	180.00	180.00	180.00
	150.28	136.80	138.27	154.03	136.92	152.11	136.28	150.58	156.42
	10.00	16.00	37.00	12.00	23.00	5.00	21.10	9.90	8.30
	1.90	3.10	11.40	2.70	5.60	0.60	4.60	1.90	1.90
	1	1	1	1	1	1	1	1	1
	8	8	8	8	8	8	8	8	8
	Preheat	Preheat	Preheat	Preheat	Preheat	Preheat	Preheat	Preheat	Preheat
Filter Data	Flat	Flat	Flat	Flat	Flat	Flat	Flat	Flat	Flat
	MERV 8	MERV 8	MERV 8	MERV 8	MERV 8	MERV 8	MERV 8	MERV 8	MERV 8
	(2)24x24	(3)20x16; (3)20x20	(10)20x16; (5)20x20	(2)24x24	(2)16x20; (6)20x20	(1)20x16	(6)24x20	(2)24x24	(1)16x20; (1)20x20
	4"	4"	4"	4"	4"	4"	4"	4"	4"
	Side	Side	Side	Side	Side	Side	Side	Side	Side
	PreFilter	PreFilter	PreFilter	PreFilter	PreFilter	PreFilter	PreFilter	PreFilter	PreFilter
Filter Data	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid
	80-85% Eff, (MERV 13)	80-85% Eff, (MERV 13)	80-85% Eff, (MERV 13)	80-85% Eff, (MERV 13)	80-85% Eff, (MERV 13)	80-85% Eff, (MERV 13)	80-85% Eff, (MERV 13)	80-85% Eff, (MERV 13)	80-85% Eff, (MERV 13)
	(2)24x24	(3)20x16; (3)20x20	(10)20x16; (5)20x20	(2)24x24	(2)16x20; (6)20x20	(1)20x16	(6)24x20	(2)24x24	(1)16x20; (1)20x20
	12" Rigid	12" Rigid	12" Rigid	12" Rigid	12" Rigid	12" Rigid	12" Rigid	12" Rigid	12" Rigid
	Side	Side	Side	Side	Side	Side	Side	Side	Side
	Final	Final	Final	Final	Final	Final	Final	Final	Final

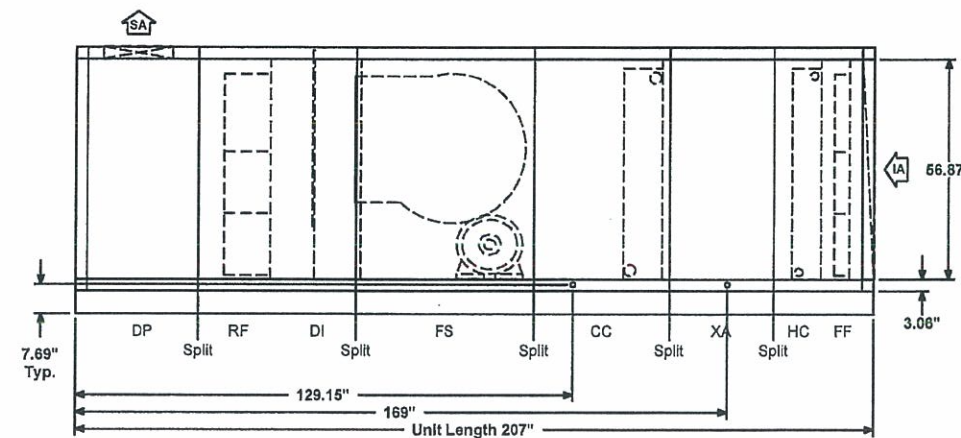




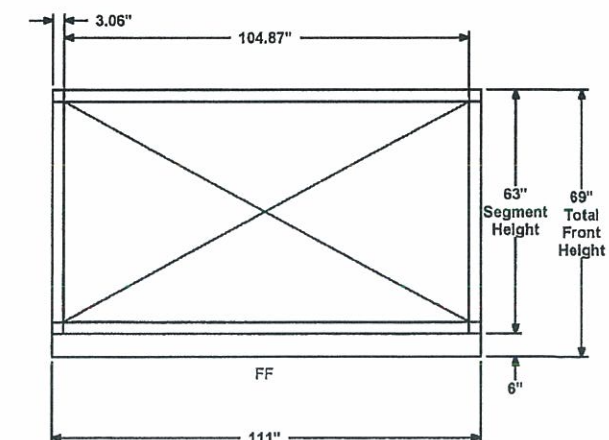
PLAN VIEW  
TIER 1



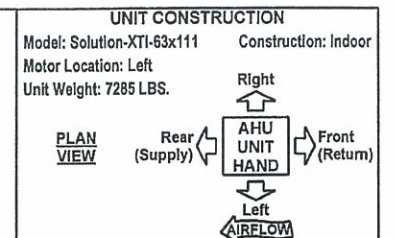
REAR (OUTLET) END VIEW



ELEVATION VIEW



FRONT (INLET) END VIEW



**NOTES**

Units with a baserail and a bottom opening: Duct connection flush with the bottom of unit, not flush with bottom of baserail.

Refer to performance report for shipping split details.

Allow sufficient space around the unit for removing the access panels and various parts of the unit. A minimum clearance equal to the width of the unit must be provided on one side of the unit for removing the coil or fan assembly.

Contractor responsible for penetrations and connections of all electrical boxes and internal coil connections.

Overall dimensions account for: outdoor roof peak and overhang, motor control and/or factory package control boxes, coil connections, rain hoods, pipe chases, AMS-60 damper/EAML louver (if applicable), base rail - In order to convey the true space requirements for the unit.

Certain items may extend beyond cabinet dimensions including: door handles, light switches, electrical boxes, lifting lugs, gas fuel system, etc.

Dimension tolerances: Unit (+/- 1/2"); Piping (+/- 2")

(S) - Designates Shipped Loose Item(s)

PIPING CONNECTIONS  
(In order of Airflow)

Segment	Type	Hand	Quantity	Supply	Return
HC	MPT	Left	1 Sup 1 Ret	2"	2"
CC	MPT	Left	1 Sup 1 Ret	3"	3"

Drain pan connection size 1 1/4" MPT SCH 40  
(Connections on LEFT side of unit)

SECTION LIST  
(LENGTHS INCLUDE END CHANNELS)

SECT	DESCRIPTION
DP (32)	Discharge Plenum
RF (21)	High Efficiency Filter
DI (20)	Diffuser
FS (46)	Supply Fan - 25-25 DWDI - 25.00 HP
CC (35)	Cooling Coil
XA (27)	Variable Length Access
HC (13)	Heating Coil
FF (13)	Flat Filter

**PRODUCT DRAWING**  
SOLUTION AIR HANDLING UNIT DETAIL  
MODEL: Solution-XTI-63x111  
NOT FOR CONSTRUCTION

Project Name: VA Bldg 100 Replace 28 AHU's  
Location:  
Engineer:  
Contractor:  
For:

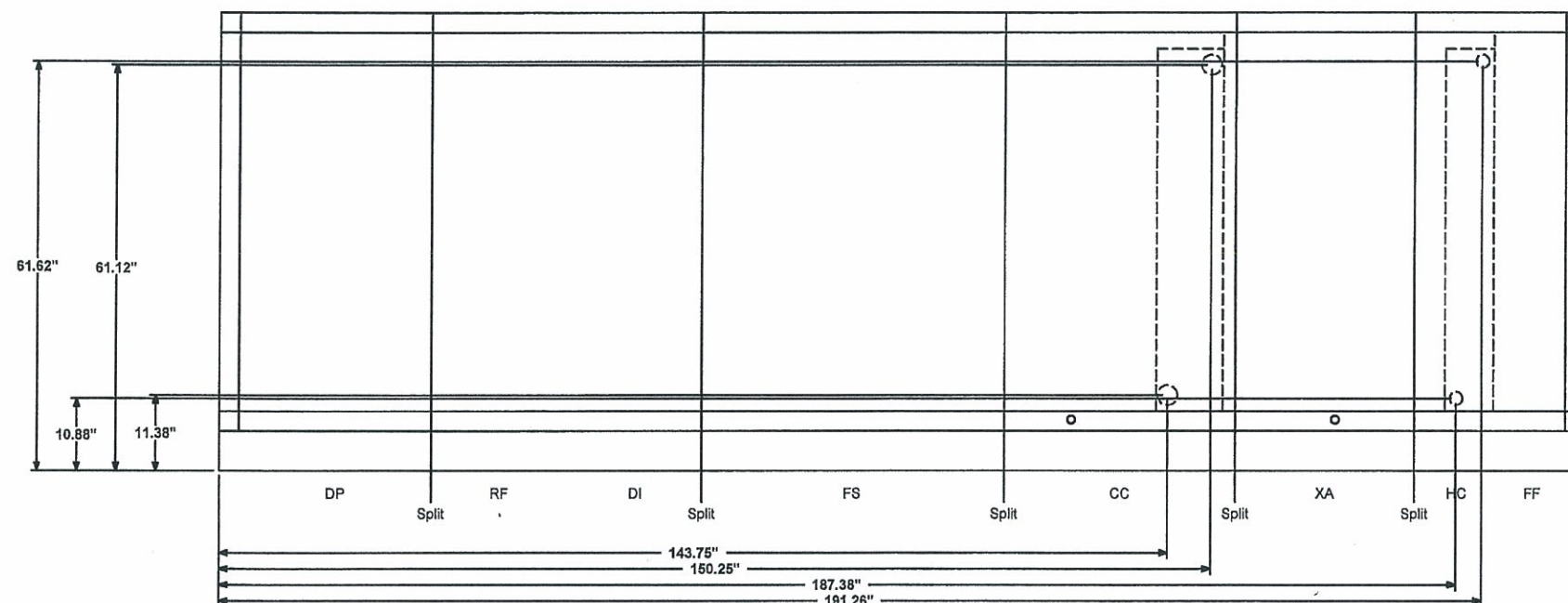
Sold To:  
Cust Purch Order#:  
Contract#:  
UNIT  
TAG: AHU-80

Date: 07/27/2012 15:32:54  
Version: 1.1.0.6040  
Form No.: 100.09-EG1  
Dwg. Lev.: 5/03  
Dwg. Scale: NTS

Serial Number:  
SQ Database Number:  
YORKworks Release:  
Dwg. Name:  
Dwg. Location:

**Johnson Controls**





COIL CONNECTION DETAIL

**UNIT CONSTRUCTION**  
Model: Solution-XTI-63x111      Construction: Indoor  
Motor Location: Left  
Unit Weight: 7285 LBS.

**PLAN VIEW**

Right  
Rear (Supply) → AHU UNIT HAND → Front (Return)  
Left  
AIRFLOW

- NOTES**
- Units with a base rail and a bottom opening: Duct connection flush with the bottom of unit, not flush with bottom of base rail.
  - Refer to performance report for shipping split details.
  - Allow sufficient space around the unit for removing the access panels and various parts of the unit. A minimum clearance equal to the width of the unit must be provided on one side of the unit for removing the coil or fan assembly.
  - Contractor responsible for penetrations and connections of all electrical boxes and internal coil connections.
  - Overall dimensions account for: outdoor roof peak and overhang, motor control and/or factory package control boxes, coil connections, rain hoods, pipe chases, AMS-80 damper/EAML louver (if applicable), base rail - In order to convey the true space requirements for the unit.
  - Certain items may extend beyond cabinet dimensions including: door handles, light switches, electrical boxes, lifting lugs, gas fuel system, etc.

Dimension tolerances: Unit (+/- 1/2"); Piping (+/- 2")  
(SL) - Designates Shipped Loose Item(s)

**PIPING CONNECTIONS**  
(In order of Airflow)

Segment	Type	Hand	Quantity	Supply	Return
HC	MPT	Left	1 Sup 1 Ret	2"	2"
CC	MPT	Left	1 Sup 1 Ret	3"	3"

Drain pan connection size 1 1/4" MPT SCH 40  
(Connections on LEFT side of unit)

**SECTION LIST**  
(LENGTHS INCLUDE END CHANNELS)

SECT	DESCRIPTION
DP (32)	Discharge Plenum
RF (21)	High Efficiency Filter
DI (20)	Diffuser
FS (46)	Supply Fan - 25-25 DWDI - 25.00 HP
CC (35)	Cooling Coil
XA (27)	Variable Length Access
HC (13)	Heating Coil
FF (13)	Flat Filter

**PRODUCT DRAWING**  
SOLUTION COIL CONNECTION DETAIL  
MODEL: Solution-XTI-63x111  
NOT FOR CONSTRUCTION

Project Name: VA Bldg 100 Replace 28 AHU's  
Location:  
Engineer:  
Contractor:  
For:

Sold To:  
Cust Purch Order#:  
Contract#:  
UNIT  
TAG: AHU-80

Date: 07/27/2012 15:32:54  
Version: 1.1.0.6040  
Form No.: 100.09-EG1  
Dwg. Lev.: 5/03  
Dwg. Scale : NTS

Serial Number:  
SQ Database Number:  
YORKworks Release:  
Dwg. Name:  
Dwg. Location:





# SOLUTION AIR HANDLING UNIT PERFORMANCE SPECIFICATION

Unit Tag	Qty	Model	Air Flow (CFM)
AHU-80	1	Solution Indoor Air Handler 63 x 111	16970

## Dimension & Weights Summary

Section	Length* (in.)	Width** (in.)	Height (in.)	Weight (lbs.)
FF Flat Filter Segment	13	111	63	647
HC Heating Coil Segment	13	111	63	652
XA Variable Length Access Segment	27	111	63	462
CC Variable Length Cooling Coil Segment	35	111	63	1871
FS-DWDI Supply Fan Segment	46	111	63	1938
DI Diffuser Segment	20	111	63	392
RF High Efficiency Filter Segment	21	111	63	360
DP Discharge Plenum Segment	32	111	63	843
<b>Overall:</b>	<b>207</b>	<b>111</b>	<b>63</b>	<b>7165</b>
*The length includes bottom tier segments only.				
**The width does not include coil connection extensions or door latches that extent beyond the unit casing.				
The width does not include the depth of any pipe chases.				

## Shipping Skid Summary

Shipping Skid	Length* (in.)	Width** (in.)	Height*** (in.)	Weight (lbs.)
(DP)	32	116	73	843
(RF DI)	41	116	73	752
(FS-DWDI)	48	116	73	1938
(CC)	35	118	73	1871
(XA)	28	118	73	462
(HC FF)	26	119	73	1299
<b>Ship Loose:</b> None				
*The length includes any mounted rain-hoods, discharge flanges, tie-down brackets, shipping wood-blocks, front dampers, split connectors, electrical/control components, out rigging HW supports, isolation dampers				
**The width includes any door handles, coil connections, drain connections, lifting lugs, mounted pipe-chases, electrical/control components, tie-down brackets, side dampers				
***The height includes any base-rails, shipping wood-blocks, roof peak, discharge flanges, mounted gas-furnace flue pipes				
<b>Shipping Skid Sequence</b>				
<b>Tier</b>	(DP) < (RF < DI) < (FS) < (CC) < (XA) < (HC < FF)			