YORK® Solution™ Air Handling Unit Performance Report

Job Summary

Unit Overview

Model	Cabinet Performance	Airflow (CFM)	Altitude (ft)	Weight (lbs)
XTI-72x102	Solution	26,000	692	1,444

Segment Sequence

(XA-2 HC XA-1)

Unit Construction

Casing Details

Segment	Thickness (in)	Exterior Paint	Exterior Gauge and Material	Interior Gauge and Material	Insulation Thickness and Material	Bulkhead Material
XA-1 , HC , XA-2	2	None	STD Ga. G-90 Galvanized	STD Ga. G-90 Galvanized	2" Foam	Galvanized

Base Details

Segment	Base		Floor					
	Gauge and Material	Paint	Gauge and Material	Paint	Insulation	Thermal Break	Attachment	Tread Plate
XA-1, HC, XA-2	Formed Steel	None	STD Ga. G-90 Galvanized	None	N/A	-	-	None

Steam Coil(s)

Performance[1] Details

Coil	Steam Pressure (PSI)	Condensate (lb/hr)	Rows	FPI	TPC	TMBH	Dry Bulb (F°)		Airflow (CFM)	FV (ft/min)	APD	Alt. (ft)
							EAT	LAT				
HC	20.00	1473.5	1	10	1	1410	45.3	95.5	26,000	701	0.12	692

Construction Details

Coil	Location		Offset (in)	Connection Material[3]	Connection Type	Supply Connection (Per Coil)		Coil Stack Rack
	Coil Index[2]	Connection				Qty	Size (in)	
HC	0	Left	0	Red Brass	MPT	2	2	-

Coil	# of Coils High	Face Type	Total Fin Height (in)	Fin Length (in)	Coil Face Area (ft²)	Fin Material	Fin Thickness	Fin Type	Tube Diameter (in)	Tube Material	Tube Wall Thickness (in)
HC	1	Full	60.00	89	37.1	AL	.010	Corrugated	1	Copper	.035

Coil	Coil Coating	Dry Weight (lbs)	Header Material	Casing Material	Intermediate Drain Pan Material	Fouling Factor (hr.ft².°F/BTU)
HC	-	282	Copper	Galvanized	-	-

Coil	# of Coils High	Face Type	Total Fin Height (in)	Fin Length (in)	Coil Face Area (ft²)	Fin Material	Fin Thickness	Fin Type	Tube Diameter (in)	Tube Material	Tube Wall Thickness (in)

Notes

[1]Performance is shown for the entire coil bank. Performance is not per coil.

[2]Coil index indicates position in segment. Example: CC-1, index 0; Spacer, index 1; CC-2, index 2

[3]Johnson Controls suggests using red brass or copper connectors when the coil is to be attached to a copper or brass piping system.

All coils are rated with a fouling factor of 0.00000 hr.ft².°F/BTU unless otherwise noted

Ratings are for coils manufactured by Johnson Controls, Inc., 507 E. Michigan St., Milwaukee WI 53202.

Coil DLL Version: 7.7d.004

SDC Tube Spacing: 3.00

HC[1][0]: This coil is certified in accordance with the AHRI Forced-Circulation Air-Cooling and Air-Heating Coils Certification Program which is based on AHRI Standard 410 within the range of Standard rating conditions listed in Table 1 of the Standard. Certified units may be found in the AHRI Directory at www.ahridirectory.org.

Face Velocity and Static Pressure

Summary

Segment	Description	Face Area (sq. ft)	Airflow (CFM)	Face Velocity (ft/min)	Supply Fan Static Pressure (in w.g.)	Exhaust/Return Fan Static Pressure (in w.g.)
HC	Heating 1 rows 10 fins	37.1	26,000	701	0.12	0.00
				Total	**0.12**	**0.00**

Dimensions and Weight

Details

Segment	Description	Length[1] (in)	Width[2] (in)	Height (in)	Weight (lbs)
XA-1	Variable Length Access	15	102	72	482
HC	Heating Coil	8	102	72	480
XA-2	Variable Length Access	15	102	72	482
Overall		**38**			**1,444**

Notes

[1]The length includes bottom tier segments only

[2]The width does not include coil connection extensions or door latches that extend beyond the unit casing. The width does not include the depth of any pipe chases.

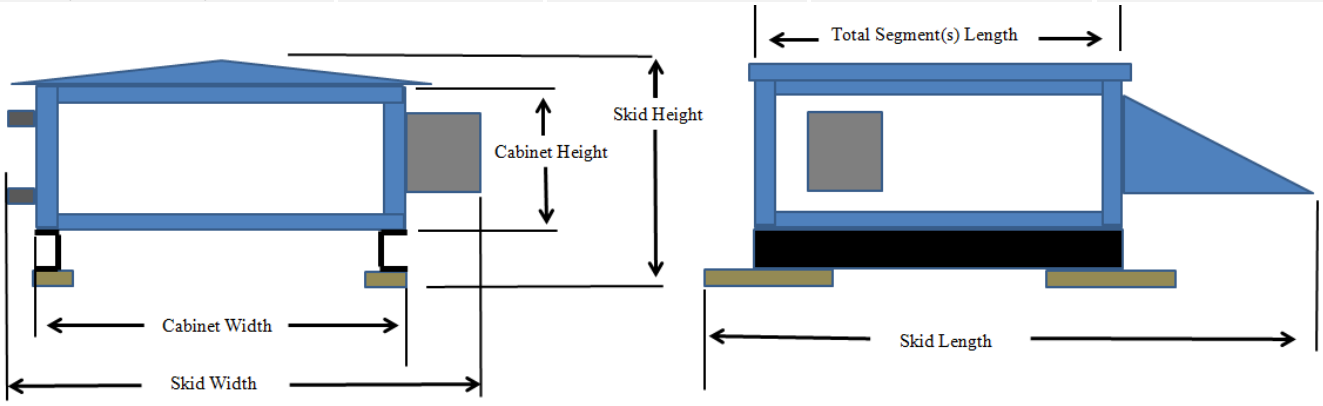
Statement of Compliance

Details

YORK® Solution XT AHU's meet IBC seismic requirements for non-critical equipment (Ip = 1.0) for locations with design spectral response Sds <= 0.43. Units must be rigid mounted.
The anchorage of the unit to the ground or building structure needs to be evaluated by and is the responsibility of the engineer of record. Specification of seismic requirements is the responsibility of the project design engineer. If formal certification is required, please contact your sales representative and/or application engineer for review. Certain application and site requirements may require additional cost and/or lead time.
Component locations are listed as Segment Hand (Unit Hand): ex. Left (Right). See SubmittalDrawing for additional details
Air handling unit parameters vary depending on conditions. Parameters such as airflows, air pressure drops, and coil capacities are shown for design conditions.

Shipping Summary

Details				
Skid	**Skid Length (in)**	**Skid Height (in)**	**Skid Width (in)**	**Skid Weight (lbs)**
(XA-2 HC XA-1)	38	82	105	1,444



Notes
Skid Width: Total width of the shipping skid, including any items that may extend beyond the cabinet (this includes any door handles, coil connections, drain connections, lifting lugs, mounted pipe-chases, electrical/control components, tie-down brackets, side dampers).
Skid Height: Total height of the shipping skid, including any items that may extend beyond the cabinet (this includes any base-rails, shipping wood-blocks, roof peak, discharge flanges, mounted gas-furnace flue pipes).
Skid Length: Total length of the shipping skid, including any items that may extend beyond the cabinet (this includes any mounted rain-hoods, discharge flanges,tie-down brackets, shipping wood-blocks, front dampers, split connectors, electrical/control components, outrigging extensions, isolation dampers, inlet baskets).