

JOB NAME	CUYAZO(Y.Y.007)	REP. OFFICE	HTS Engineering Ltd (Houston)
JOB DESCRIPTION	7011 SWF Air Handling Units	SALESPERSON	VSF
MODEL NUMBER	OAH012GDAC	ENGINEER	
UNIT TAGGING	OAHU-1-SW	VERSION	9.32

Unit configuration	Inline horizontal		
Supply external dimensions	(HxW) ins	44 x 66	
Exhaust external dimensions	(HxW) ins		

FAN PERFORMANCE		SUPPLY		RETURN / EXHAUST	
Air volume	cfm	4900			
Altitude	ft.	0			
Turning loss	in WC	0.00			
External static	in WC	1.00			
Total static	in WC	2.02			
Fan Qty - diameter / type	ins	1 - 15.00 / FC			
Fan power	HP	2.93 per fan			
Motor power	HP	5.00 per fan			
Motor voltage	V/Hz/P	460/60/3			

COIL PERFORMANCE		IN ORDER OF AIR FLOW			
		1st COIL	2nd COIL	3rd COIL	4th COIL
Coil model		5WQ0601B	5WH0908B	5WQ1001B	
Total capacity	Btu/hr	166259	413007	189569	
Sensible capacity	Btu/hr	-	228802	-	
Entering db / wb	F	25.0 / -	97.0 / 78.0	55.0 / -	
Leaving db / wb	F	56.0 / -	54.3 / 54.0	90.4 / -	
Face area	sqft	11.46	12.15	11.46	
Face velocity	fpm	428	403	428	
Air pressure drop	in WC	0.05	0.66	0.08	
EWT / LWT	F	180.0 / 157.8	42.0 / 61.4	180.0 / 159.8	
Flow rate	gpm	15.00	42.60	18.80	
Glycol type / %		- (0 %)	- (0 %)	- (0 %)	
Water pressure drop	ftHD	2.40	18.90	3.70	
Suction temp / Refrig	F	-	-	-	
Steam pressure	psig	-	-	-	

FILTER DATA		STAGE 1	STAGE 2	STAGE 3
Type		Throwaway		
Efficiency		MERV 7		
Face area	sqft	13.9		
Face velocity	fpm	353		

COMPONENT	SUPPLY	APD (in WC)	WEIGHT (lbs)	COMPONENT	RET/EXH	APD (in WC)	WEIGHT (lbs)
Mixing Box		0.22 **	84.08				
Hot Water Coil		0.05 **	118.95				
Chilled Water Coil		0.66 **	494.12				
Hot Water Coil		0.08	122.06				
Fan Section		0.00	336.87				
Plenum section		0.01	0.00				

** Denotes a component static pressure based on the fan air volume rather than the individual component air volume.

SHIPPING SECTION DETAILS					
	Length (ins)	Weight (lbs)		Length (ins)	Weight (lbs)
Section 1	96	1910			
Section 2	58	921			
TOTALS (Lower level total length, entire unit total weight)				154.00	3126.00

UNIT SOUND	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
Radiated	71	73	69	62	57	50	38	32
Unit discharge	79	81	81	79	77	73	73	68
Unit return	75	77	76	74	69	65	62	66

NOTES
 Liner material is Galvanized steel
 Insulation is R-13 Injected Foam
 Piping vestibule shipping section length(s) not included in the total unit shipping section length. Vestibules are not listed as separate sections.

although vestibule weight is included in the total unit weight.
Supply fan performance is certified in accordance with the Central Station Air-Handling Unit Certification Program, which is based on ARI Standard 430.