



Manual S Compliance Report

AH1

WebREPS, LLC

Job:
Date: Nov 07, 2013
By: Josh Putman

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Project Information

For:
Fredericksburg, TX 78624

Cooling Equipment

Design Conditions

Outdoor design DB: 96.9°F	Sensible gain: 23116 Btuh	Entering coil DB: 75.1°F
Outdoor design WB: 73.6°F	Latent gain: 5161 Btuh	Entering coil WB: 62.5°F
Indoor design DB: 75.0°F	Total gain: 28276 Btuh	
Indoor RH: 50%	Estimated airflow: 1147 cfm	

Manufacturer's Performance Data at Actual Design Conditions

Equipment type: Split ASHP	Model: XP25-036-230-**+CBX40UHV-036*++TDR
Manufacturer: Lennox	
Actual airflow: 1147 cfm	
Sensible capacity: 24080 Btuh	104% of load
Latent capacity: 10320 Btuh	200% of load
Total capacity: 34400 Btuh	122% of load SHR: 70%

Heating Equipment

Design Conditions

Outdoor design DB: 31.6°F	Heat loss: 28826 Btuh	Entering coil DB: 69.9°F
Indoor design DB: 70.0°F		

Manufacturer's Performance Data at Actual Design Conditions

Equipment type: Split ASHP	Model: XP25-036-230-**+CBX40UHV-036*++TDR	
Manufacturer: Lennox		
Actual airflow: 1147 cfm		
Output capacity: 34400 Btuh	119% of load	Capacity balance: 36 °F
Supplemental heat required: 0 Btuh		Economic balance: -99 °F

Backup equipment type: Elec strip	Model:
Manufacturer: Lennox	
Actual airflow: 1147 cfm	
Output capacity: 10.0 kW	118% of load Temp. rise: 28 °F

The above equipment was selected in accordance with ACCA Manual S.



Project Information

For:
Fredericksburg, TX 78624

Cooling Equipment

Design Conditions

Outdoor design DB: 96.9°F	Sensible gain: 24073 Btuh	Entering coil DB: 75.1°F
Outdoor design WB: 73.6°F	Latent gain: 5203 Btuh	Entering coil WB: 62.5°F
Indoor design DB: 75.0°F	Total gain: 29276 Btuh	
Indoor RH: 50%	Estimated airflow: 1147 cfm	

Manufacturer's Performance Data at Actual Design Conditions

Equipment type: Split ASHP
Manufacturer: Lennox Model: XP25-036-230-**-**+CBX40UHV-036*
Actual airflow: 1147 cfm
Sensible capacity: 24080 Btuh 100% of load
Latent capacity: 10320 Btuh 198% of load
Total capacity: 34400 Btuh 118% of load SHR: 70%

Heating Equipment

Design Conditions

Outdoor design DB: 31.6°F	Heat loss: 29407 Btuh	Entering coil DB: 69.9°F
Indoor design DB: 70.0°F		

Manufacturer's Performance Data at Actual Design Conditions

Equipment type: Split ASHP
Manufacturer: Lennox Model: XP25-036-230-**-**+CBX40UHV-036*
Actual airflow: 1147 cfm
Output capacity: 34400 Btuh 117% of load Capacity balance: 36 °F
Supplemental heat required: 0 Btuh Economic balance: -99 °F

Backup equipment type: Elec strip
Manufacturer: Model:
Actual airflow: 1147 cfm
Output capacity: 8.7 kW 101% of load Temp. rise: 50 °F

The above equipment was selected in accordance with ACCA Manual S.