



## CARBON FOOTPRINT

Carbon Neutral

# AIR TERMINAL DEVICE WITH REHEAT: VAVRH-1, FPBRH-1



**Date:** November 2012  
**Building:** Most building types  
**Floor:** Ceiling  
**Year installed:** 1980  
**Inspected by:** AEP  
**Serial number:** 111010293  
**Equipment Type:** VAV, VAVRH, FPB, FPBRH  
**Manufacturer:** X-Y-Z  
**Model:** VAV, FPB  
**Size:** varies

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### EXISTING CONDITIONS AND DEFICIENCIES

Y	N	NA		Y	N	NA	
			<b>HVAC</b>				<b>TESTING AND BALANCING</b>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are terminal devices installed in specified locations?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Occupied - heating season
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Ductwork completed to terminal unit?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unoccupied - heating season
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Ductwork insulation complete?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Occupied - cooling season
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Hot water piping installed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unoccupied - cooling season
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Piping insulation complete?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Night setback mode
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Overall, unit is clean, no vibration or noise?				<b>MAINTENANCE</b>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Do all ATC devices appear in good condition?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	System flow diagram mounted by unit?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are manufacturer's recommended clearances maintained?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	O&M manual secured at unit or on file?
			<b>ELECTRICAL</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Workorder completed?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Is fan motor installed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Is there a service contract for the pump and unit?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Is there a localized disconnect?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Predictive maintenance last completed?

### END OF EQUIPMENT USEFUL SERVICE LIFE (USL)

USL (YRS)		USL (YRS)	
32	Motor is x yrs old	20	USL benchmark
32	Controls are x yrs old	16	USL benchmark
32	Condenser fans are x yrs old	20	USL benchmark
32	Unit is x yrs old	20	USL benchmark

### STANDARDS AND CODE ISSUES

Y	N	NA		Y	N	NA	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Does unit meet current codes?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Does unit/system meet current energy code?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Is emergency power a requirement?				

### ENERGY CONSERVATION

Y	N	NA		Y	N	NA	
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	If at end of USL, will unit be replaced with higher-efficiency unit?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Can unit/system be retrofitted to meet latest energy code?

### NOTES

Y	N	NA		Y	N	NA	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1. Can unit be readily removed/replaced?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3. Are unit controls interactive with building ATC/computer?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2. Does unit operate 24/7 year-round or seasonal?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	