

CAHV-R Maintenance Sheet

Complete **ONE** form per CAHV-R unit

Contractor Name:		Site Name:		Date of Visit:	
Engineer Name		Site Address:			

CAHV-R Unit Details			
Model Number	Serial Number	Compressor Run Hours	Area Served

CAHV-R Checklist						
Category	Check Item	Method/Standard	Frequency	Visit 1 Check Box	Visit 2 Check Box	Reading Recorded
Around the Unit	Debris check (dust, leaves)	Visual	Twice/year			
	Loose screws/bolts	Visual	Twice/year			
	Rust presence	Apply anti-rust if needed	Twice/year			
	Thermal/sound insulation peeling	Visual	Twice/year			
	Abnormal sound or vibration	Listen	Twice/year			
Refrigerant System	Gas leakage	Gas leak tester	Twice/year			
	Pipes & capillary tubes resonance	Visual	Twice/year			
	Valve operations	Functional check	Twice/year			
	Condensing temperature	Water temp + (0–5°C)	Twice/year			
	Evaporating temperature	Air temp – (3–8°C)	Twice/year			
Compressor	Operating current	Compare to rated	Twice/year			
	Abnormal sound/vibration	Inspect if present	Twice/year			
	Start-stop interval ≥ 10 minutes	Check timing	Twice/year			
Protection Devices	High-pressure switch operation	Test	Twice/year			
	Pump interlock operation	Test	Twice/year			
Electrical System	Terminal screws	Tighten if loose	Twice/year			
	Contacts	Clean/inspect	Twice/year			
	Conductors & relays	Function test	Twice/year			
	Operation circuit insulation resistance	≥ 5 MΩ	Twice/year			
	Main circuit insulation resistance	≥ 10 MΩ	Twice/year			
	Ground wire connection	Visual	Twice/year			
	Wires inside unit (loose/disconnected)	Check with screwdriver	Twice/year			
Water Circuit	Water cleanliness	Check strainers	Twice/year			
	Water pressure ≤ 1.0 MPa	Measure	Twice/year			
	Water leakage	Visual	Twice/year			
	Pump head loss	Check at stop	Twice/year			
	Air pockets in pipes	Use air-vent valves	Twice/year			
	Water pump voltage/current	Measure	Twice/year			
	Water flow rate	Verify	Twice/year			
	Water quality	Test against standard	Twice/year			
Air-Side Heat Exchanger	Fin corrosion	Visual	Twice/year			
	Fin debris	Clean if pressure ↑ by 0.1 MPa	Twice/year			

Additional Notes and/or Tasks Carried out and/or Required

