

Arcoaire® Performance Series Heat Pumps: Outstanding Post Painted Quality and Durability

Arcoaire Performance Series heat pumps continue to be the standard-bearer for enduring quality, value and performance. Offering system combinations up to 18.0 SEER and up to 9.0 HSPF efficiency at a moderate price-point, these heat pumps provide the comfort and durability homeowners expect with Arcoaire. And that starts at the factory where quality processes like our certified, best-in-class post-paint operation help deliver corrosion-resistant, lasting comfort your customers can depend on.

Preparation makes a difference

When we paint a part, we make sure it sticks. Our six-stage ECO-treat pre-wash thoroughly removes surface impurities and oils to improve paint adhesion to the cabinet and coil fin surfaces.

ECO-Treat Process

Stage 1 – Non-phosphated alkaline cleaner	Stage 4 – Rinse
Stage 2 – Rinse	Stage 5 – Non-phosphated, zirconic treatment
Stage 3 – Repeat non-phosphated alkaline cleaner	Stage 6 – Final rinse

Computer-controlled, customized finish

Our electrostatic painting process applies an automotive-grade finish on selected Performance Series heat pump parts. Each part is painted with a unique formula, specific to that part.

The process is computer controlled to ensure consistent, uniform coverage.

Our electrostatic paint system:

- The paint powder is charged and the sheet metal parts are grounded to attract the paint
- The parts are cured in the paint oven at 390° F for 16-18 minutes
- Painted parts are verified to withstand the 500-hour salt spray requirement
- 4,000 pounds of paint powder are used every shift
- All of the powder in the booths is reclaimed to eliminate waste

Once the painting is completed, the parts are inspected under special lighting that helps inspectors find any type of paint defect. Paint thickness is measured as well to ensure consistent, quality coverage.

Advantages of the post-paint process

- ✓ Thick, durable finish is baked on
- ✓ No exposed edges minimize corrosion
- ✓ Complete coverage
- ✓ Uniform coverage

Quality checks throughout

We're proud of our high-quality post-painted cabinets and coil fins, but the quality doesn't stop there. Arcoaire Performance Series heat pumps are built with a long list of quality checks through the manufacturing process, including helium leak testing of the condensing coil, a component scanning process that ensures each unit is built with the correct parts, and 100% run-testing of every completed unit.

What does this mean for homeowners?

The new heat pump models should not affect homeowners in any way. Your customers will enjoy the same efficiency and sound ratings, the same heating and cooling comfort, and the same Arcoaire reliability they have come to expect.

Looking ahead

We are planning for another exceptional year with an outstanding network of Arcoaire dealers, contractors and distributors. For more information about the Performance Series heat pump models, contact your distributor residential sales manager or Arcoaire regional sales manager.

