

BULLETIN NO. 101

JAN-AIR PRODUCT ENHANCEMENT: FORWARD CURVE, SINGLE BLADES

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Within the next year, Jan-Air plans to implement a design enhancement in our forward curve, regular duty impellers for the following reasons:

- To create a stronger and more reliable product
- To adapt to current and upcoming manufacturing constraints
- To remain a competitive supplier of air movement components



Double Blade: Obsolete



Single Blade: Enhanced

STRENGTH

The single blade design creates a stronger and more reliable part due to the notches used on the back disk. The double blade design requires that the slot follow the profile of the blade rather than the profile of the tab. The single blade design leaves a much larger distance between the slot and the perimeter, hence creating a more reliable product. Destructive testing was done by a third party specialist to verify the integrity of the single blade design.

MANUFACTURING CONSTRAINTS

The single blade design is considered the industry standard for this type of product, and furthermore, Jan-Air's other forward curve impellers currently use a single blade design. Jan-Air has selected the single blade design in an effort to increase machine safety and eliminate the manufacturing constraints associated with the double blade.

REMAINING COMPETITIVE

Manufacturing techniques within the sheet metal fabrication industry are continuously changing and adapting to new and improved technologies. Jan-Air strives to utilize up-to-date technologies in an effort to remain competitive. Under certain circumstances, design modifications are required in order to fully utilize these new technologies.

EFFECTS TO CUSTOMERS

The single blade design enhancement will have no adverse effects on our customers. Products will continue to perform similarly to previous versions that utilized a double blade design. In more demanding applications, customers can expect to see an increase in the product's integrity and life span. Jan-Air's part numbers and costs are not intended to change with this enhancement.

TIMELINE

Within the next year, Jan-Air plans to transition all forward curve, regular duty impellers to the single blade design. Jan-Air has selected a few sample customers to transition earlier than mandated. At this time, the design enhancement is optional for these customers. The final transition date has not yet been determined. Further acknowledgments on the subject will be delivered in upcoming months detailing the final transition date, upon which the change will become mandatory, and the double blade design will be obsolete.