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**Product Change Notice  
 October 25, 2022**

**Products Affected:** OA162AP All Metal Series  
**Type of Change:** Change of Product Design. Electrical, Mechanical, and Performance Specifications Impacted.  
**Reason for Change:** Improvements in Performance Specifications and Manufacturability.  
**Affected Models:** OA162AP-11-1WB1855, OA162AP-11-2WB1855, OA162AP-11-3WB1855, OA162AP-22-1WB1855, OA162AP-22-2WB1855, OA162AP-22-3WB1855  
**Discussion:** Orion routinely makes changes to the designs of our Commercial Off the Shelf (COTS) products as we respond to the availability of parts for manufacturing, the global manufacturing context, and the state of the art in product design. The design of this product was initially completed in 1994, with no design changes since that time. The design of the impeller and frame components required intricate tooling and manufacturing processes to ensure consistent and reliable performance, and difficult and time consuming QC and impeller balancing of manufactured units. Engineering determined in Q1 2021 that a design revision was possible that would enhance performance specifications, while making key components easier to manufacture using state of the art tooling and molding processes used in other series we manufacture. Design changes were completed to best utilize our manufacturing capabilities and the latest electronic components available at our Taiwan manufacturing plant. The latest design of the fan began volume manufacturing in Q4 2021. For customers needing to purchase the original design, contact us for quoting and custom part number assignment.

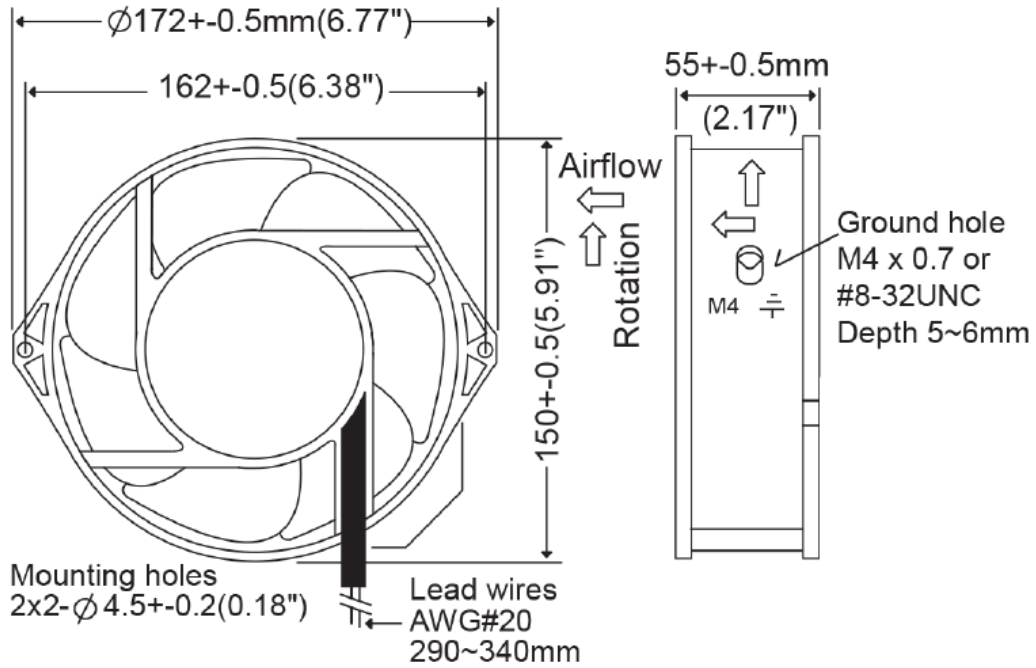
**Specification Comparison:**

Specification	Original Design	New Design
Input Power Watts (-1 Speed)	47 / 42	26 / 35
Input Power Watts (-2 Speed)	35 / 32	22 / 20
Input Power Watts (-3 Speed)	23 / 20	18 / 16
Noise dBA (-1 Speed)	54	58.1
Noise dBA (-2 Speed)	46	43.2
Noise dBA (-3 Speed)	35	32.3
Max Airflow CFM (-1 Speed)	183 / 210	209 / 248
Max Airflow CFM (-2 Speed)	160 / 165	174 / 189
Max Airflow CFM (-3 Speed)	100 / 110	113 / 127
Max Static Pressure "H2O (-1 Speed)	0.49 / 0.42	0.55 / 0.58
Max Static Pressure "H2O (-2 Speed)	0.42 / 0.35	0.45 / 0.43
Max Static Pressure "H2O (-3 Speed)	0.28 / 0.22	0.32 / 0.29

\*comparison continues on page 2.

## Mechanical Design Comparison:

### Original Design



### New Design

