



Product Change Notification March 2, 2022

Products Affected: OD8038 VXC Series with PWM and Tachometer/Alarm

Type of Change: Internal Product BOM Change, and Model Discontinuation

Reason for Change: Supplier End Of Life (EOL) notification for internal component

Discussion:

Orion Fans occasionally makes changes to our Commercial Off the Shelf (COTS) products as we recognize the needs of our customers, stakeholders, and supply chain partners. Due to a critical-to-function component being discontinued by our supply chain partner, a product redesign was performed on these fan models. This redesign consists of modifying the internal fan control circuitry to use the PADAUK Technology MF610 Fan Control MCU. No changes have been made affecting form or fit. Due to this change, fan performance specifications have been revised and PWM response has been altered. A detailed specification comparison appears below. Additionally, the OD8038-12HVBVXC10A model has been discontinued due to unavailability of a suitable part for integration into the design.

Implementation of this change will begin with all production batches completed after April 1st, 2022.

Specification Comparison:

| Specification | Original Design | New Design |
|--|---------------------|---------------------|
| RPM High / Medium / Low Speeds | 6300 / 5600 / 4900 | 6200 / 5500 / 4800 |
| CFM High / Medium/ Low Speeds | 99 / 89 / 76 | 89 / 76 / 65 |
| Noise SPL High / Medium / Low Speeds | 60 / 57 / 54 | 62.5 / 58.6 / 56.4 |
| Max Static Pressure High / Medium / Low Speeds | 0.81 / 0.75 / 0.50 | 0.75 / 0.59 / 0.45 |
| L10 Life Expectancy | 50,000 Hours @ 40°C | 70,000 Hours @ 40°C |
| Operating Temperature Range | -20°C ~ +75°C | -10°C ~ +70°C |
| Storage Temperature Range | -40°C ~ +80°C | -40°C ~ +75°C |
| Weight (lbs.) | 0.40 | 0.48 |