

PRODUCT NOTICE

PN# 26-10 | October 2026

Aircore EC+: Altitude power derate correction

Summary

Infinitum is correcting the altitude power derate published for Aircore EC+ motor and fan systems. Aircore EC+ motors deliver full rated power from 0–1,000 m (0–3,300 ft), and a 9% power derate per 1,000 m applies above 1,000 m, up to a maximum of 2,000 m (6,600 ft). Previous documentation listed power derate values up to 4,000 m. Updated datasheets, documentation, and Motor Selection Tool (MST) version 4.1.5 are available starting October 14.

Key Updates

Change	Description
Full rated power	Delivers full rated power from 0–1,000 m (0–3,300 ft).
Altitude power derate	Applies a 9% power derate per 1,000 m (3,300 ft) above 1,000 m.
Maximum altitude selection	The MST applies the corrected derate to the altitude drop-down and limits selections to 2,000 m (6,600 ft).
Product documentation	Corrects altitude derate values in datasheets, the IOM manual, and Division 23 specifications.

Software Availability

Deliverable	Source and Go Live Date
MST version 4.1.5 (Motor Selection Tool, Web Version)	mst.goinfinitum.com Go Live Date: October 14

Important Notes

Apply the corrected derate to all new selections, quotes, and submittals for installation sites above 1,000 m (3,300 ft).

Contact Infinitum prior to designing or proposing Aircore EC+ motors for installation above 2,000 m (6,600 ft).

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Documentation and Resources

Document Title	Availability
Aircore EC+ Datasheets	Available on our support site
Aircore EC+ IOM Manual	Available on our support site
Aircore EC+ Division 23 0513 Specifications	Available on our support site
Division 23 Electronically Commutated Fans and Fan Arrays	Available on our support site

Frequently Asked Questions

Question	Answer
Q1. How does the derate apply at 2,000 m?	A 9% derate applies. For example, a 10 HP motor installed at 2,000 m (6,600 ft) delivers 9.1 HP.
Q2. What if my project is above 2,000 m?	Contact your Infinitum representative or account manager.
Q3. How do I select a motor for a site between 1,000 m and 2,000 m?	Select the installation altitude from the altitude drop-down in the MST. The MST applies the derate and supports right-sizing for Aircore EC+ and Aircore EC+ with Active Front End.

Contact

For more information on this Product Notice or for any support needs:

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