

TO: Greenheck International Representatives
FROM: Gina Loeffel, International Marketing Specialist
DATE: Thursday, March 29, 2018
SUBJECT: Model RA Fan Derate for High Temperature



In the CAPS 4.26 release, scheduled to go live to rep partners on April 2, 2018, the High Temp Adjust. nomenclature in the Basic Inputs section has changed to Fan Derate (High Temp).

Old (CAPS 4.25):

Basic inputs (required)

Volume (CFM) <input type="text" value="7,500"/>	External SP (in. wg) <input type="text" value="0.25"/>	Airstream Temp. (F) <input type="text" value="70"/>	High Temp Adjust. <input type="text" value="No"/>	Motor Manufacturer <input type="text" value="No Prefere"/>
Pressure Method <input type="text" value="Static"/>	External TP (in. wg) <input type="text" value="N/A"/>	Elevation (ft) <input type="text" value="1,198"/>	Motor Temp. Rating <input type="text" value="Standard"/>	Motor Poles <input type="text" value="N/A"/>

Advanced inputs (optional)

Fan Hood <input type="text" value="No"/>	Discharge/Mounting <input type="text" value="Horiz. Floo"/>	Static Pressure Corrections <input type="text" value="No"/>
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New (CAPS 4.26):

Basic inputs (required)

Volume (CFM) <input type="text" value="7,500"/>	External SP (in. wg) <input type="text" value="0.25"/>	Airstream Temp. (F) <input type="text" value="70"/>	Fan Derate (High Temp) <input type="text" value="No"/>	Motor Manufacturer <input type="text" value="No Prefere"/>
Pressure Method <input type="text" value="Static"/>	External TP (in. wg) <input type="text" value="N/A"/>	Elevation (ft) <input type="text" value="1,198"/>	Motor Temp. Rating <input type="text" value="Standard"/>	Motor Speed <input type="text" value="N/A"/>

Advanced inputs (optional)

Fan Hood <input type="text" value="No"/>	Discharge/Mounting <input type="text" value="Horiz. Floo"/>	Static Pressure Corrections <input type="text" value="No"/>
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Occasionally, there has been some misunderstanding on when a RA fan derate should or should not apply.

For additional clarification, this question is to allow a fan derate if the fan will be used in dual temperature (standard and high temperature) applications. However, if you are selecting a fan that will *only* be used in standard temperature *or* high temperature applications, best practice is to have the Fan Derate remain as "No".

If consultants or engineers intend to derate performance as a requirement in the specification, Fan Derate should be selected. This ensures an equitable comparison of various fan proposals and satisfies the specification requirement.

Additional training on the proper use of Fan Derate will be scheduled for your region as soon as possible. If you have any questions, please contact Chris Laes at chris.laes@greenheck.com or your Regional Sales Manager.

Fan Derate Decision Tree

