06.06.2024

## AirTEMP 2.0 Temperature simulation with import function for EPLAN parts lists

With AirTEMP 2.0, practical heat forecasts can be generated for control cabinets equipped with LÜTZE AirSTREAM wiring systems. Thanks to this online tool, the most effective measures for demand-based cooling can be swiftly and easily identified. Given the tight time budgets in planning, and the need for detailed temperature analysis for each switch cabinet according to type verification (Chapter 10.10), the latest update of AirTEMP 2.0 offers a time-saving and practical solution.

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	Control Cabinet interior temperature calculated using LÜTZE AirTEMP as per EN 61439 heating limits, chapter 10.10	Phone:
Economic d Mallar, Friedman, Barrow Barrowson, Barrowson, Barrow Barrowson, Barrowson, Barrowson, Barrow Barrowson, Barrowson, Barro	Temperature calculation         External temperature         Ambient temperature         Ambient temperature         Ambient temperature         Temperature         State         Temperature         Temperature         State         Temperature         Temperature         Temperature         Temperature         Temperature         Te	LLERS CRUBH LLERS CRUBH LLERS CRUBH HT 19 D 27/1941 Weinfelden HT 19 D 250 L Ermit . Heinfeldenstaa de Henrich . Heinfeldenstaa de Henrich . Henrich . Heinfeldenstaa
bot and used	Caution There may be local areas with higher temperatures than the calculated temperatures in the control cabinet!	
entrement wir backligh für für der von reich of de prostructionen, nicht of de prostructionen, nicht of de prostructionen aus de construction aus de ogsander der production liebeneter für orozende Occurrent of user aus der ogsander der production liebeneter für orozende Occurrent of user aus der der aus der aus	Cabinet type         Climate option           Standalone cabinet (steel)         AirBLOWER           Cabinet type         Climate           Width:         592.00 mm         Simultaneity: mixed           Height:         697.00 mm         Upper Hind: 148.91 W           Gap width:         670.00 mm         Lower Hind: 144.6 W           Gap height:         43.00 mm         Lower Hind: 44.81 W           AirSTREAM frame         43.00 mm         Ambient temperature: 40.00 °C	888 2000
genden od entre Radio-	Width:         550.00         mm         Relative humidity:         75.00         %           Height:         1880.00         mm         Fan Power:         20.00         W           Depth:         120.00         mm         Fan airflow rate:         510.00         mNh	
Page 2 of 8	Exclusion of lability. Findebi Lizze GnH4 cannot assume any liability for the entry of parameters, calculation, interpretation and selection of devices. Information above in the Ar/TEMP results pare is based on our general experimence and considered to be conscil. It is displayed to the basel incodedge and shall provide a guideline for the selection and use of different products relevant for central cabinet construction and lactors. Page 1 of 8	

Image: The latest update of AirTEMP 2.0 enables the import of EPLAN parts lists, and the generation of type proofs compliant with EN 61439 (Chapter 10.10 | Temperature limits)

| Download Photo |

Users can download the parts list and geometry data of a project using EPLAN Pro Panel, and import them into AirTEMP 2.0. Subsequently, missing power specifications can be easily added to perform a comprehensive calculation. Additionally, the tool allows determining the duty cycle behavior at the component level, where the simultaneity factor can be individually set based on

the power consumption of the individual components. Temperatures and stratifications are automatically calculated, making the design of the cooling concept simple and extremely precise. At the end, all components are listed in the certificate, which also contains the most important data.

For simulations with the revised AirTEMP 2.0, all relevant control cabinet parameters are queried in structured steps. This includes geometries, installation and environmental parameters, as well as all installed components, modules, fans, and active cooling media. By considering the simultaneity factor, the simulation can take into account, as to what extent components work simultaneously, emit power, and thus increase or decrease the maximum heat development.

All control cabinet parameters can be documented in compliance with EN 61439 (Chapter 10.10 | Temperature Rise) for the purpose of proof of design. With the new AirTEMP 2.0, simulations can be produced for control cabinets with LÜTZE AirSTREAM wiring frames, as well as for AirSTREAM Compact wiring frames. Calculations are also possible for cabinets with mounting plates, although with the limitation that thermal simulation can only be conducted with natural cooling.

The AirTEMP is free to use and available to all control cabinet builders and planners.

Characters: 2.424 incl. spaces