



EXTERNAL

# RAPID NEWS

NO: RN/DACE/BDS/ DACE-##-##

Date: 12/12/2017  
Author: Andras Koczka

**SUBJECT:**  
**Daikin Altherma 3 indoor unit installation site requirements - total R32 refrigerant charge – UPDATED VERSION**

**UPDATE:** compatibility with the Daikin Altherma 3 wall hung indoor units have been added and password protection was removed so affiliates can translate the file locally.

Dear Madam,  
Dear Sir,

We would like to announce Excel based tool to determine Daikin Altherma 3 indoor unit(s) installation site requirements - total R32 refrigerant charge and potential ventilation requirements.

All the information and calculation used in the Excel file are based on Daikin Altherma 3 Installation Manuals. For more information regarding "Installation site requirements of the indoor unit - total refrigerant charge", please refer to the Daikin Altherma 3 Installation Manual. This tool is not replacing the installation manual, but following the logic of the flow diagram and using information from the tables, making calculation faster and more "user friendly".

The updated file can be used for both the integrated floor standing models and also the wall hung indoor units. The user has to select first from the drop-down list the applicable indoor unit type and then only fill out the BLUE cells to get the calculations.

Please fill BLUE cells below.			Selected indoor unit type		Wall mounted <span style="border: 1px solid red; border-radius: 50%; padding: 2px;">1</span>
Total refrigerant charge (m <sub>c</sub> )	[kg]	1.84 <span style="border: 1px solid red; border-radius: 50%; padding: 2px;">2</span>	<b>INFORMATION</b> • Systems with total refrigerant charge lower than 1.84 kg are not subjected to any room requirements. Charges above 1.9 kg are not allowed in the unit. For intermediate H values (i.e. when H is between two H values from the list), consider the value that corresponds to the lower H value from the table. If H=1450 mm, consider the value that corresponds to "H=1400 mm".		
Installation height (H)	[mm]	1200			
Area of room A (A <sub>room A</sub> )	[m <sup>2</sup> ]	15			
Max refrigerant charge (m <sub>max</sub> ) allowed for room A	[kg]	>2	→	m <sub>max</sub> ≥ m <sub>c</sub> ?	YES
The unit can be installed in room A at the specified installation height, and without further room size or ventilation requirements.					

The updated file is not yet available on Business Portal, only on Sharepoint via the following link:  
[LINK](#)

In case of questions please do not hesitate to contact your Daikin representative.

Strategic Business Development Department  
Daikin Airconditioning Central Europe GmbH