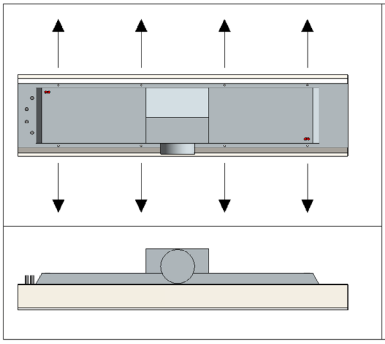
REVIT MANUAL

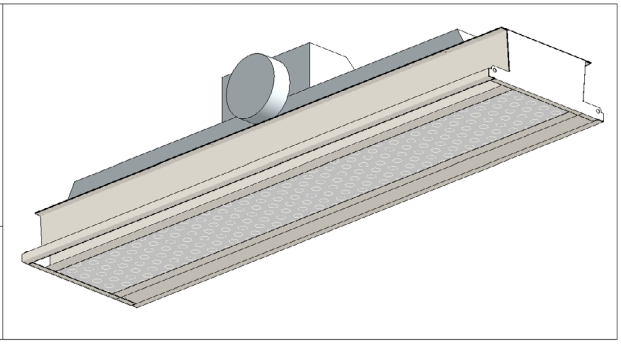
Chilled beam

OKNI 300

SUMMARISED REVIT BIM MANUAL SOLID AIR MODELS

Summarised Revit BIM Manual Solid Air Models





Materials and Finishes		
SACS_Color	RAL 9010-55	Used color.
SACS_Face_Color	**RAL 9010 Perforated**	Material color for model*.
SACS_Flange_Color	**RAL 9010**	Material color for model*.
Dimensions		
NLRS_M_c01_diameter	125.0	Nominal connection size.
Requested length	**1195.0**	Net required length of the unit.
SACS_Real_Length	1195.0	Available length unit.
Ceiling raster length	1200.0	Ceiling grid dimension in length.
Ceiling raster width	300.0	Ceiling grid dimension in width.
Minimum length OKNI	1140.0	Shortest available length.
NLRS_P_c01_diameter	12.0	Cold-water supply diameter.
NLRS_P_c02_diameter	12.0	Cold-water return diameter.
NLRS_P_c03_diameter	12.0	Warm-water supply diameter.
NLRS_P_c04_diameter	12.0	Warm-water return diameter.
Size	125 ∅	
Mechanical		
NLRS_P_c01_drukverlies_stati...	**0.000000 Pa**	Static pressure loss at airflow**.
NLRS_P_c03_drukverlies_stati...	**0.000000 Pa**	Static pressure loss at airflow**.
Mechanical - Flow		
NLRS_M_c01_debiet	**150.0000 m³/h**	Air flow.
NLRS_M_c01_drukverlies_stati...	**0.000000 Pa**	Static pressure loss at airflow**.
NLRS_P_c01_volumestroom	**0.00 L/s**	Heat water flow.
NLRS_P_c03_volumestroom	**0.00 L/s**	Cool water flow.

Identity Data		
NLRS_C_model	OKNI 300/1200 A1K2 LO31 O1...	Article name selected diffuser.
NLRS_C_materiaal_kleur	RAL 9010-55	Used diffuser color.
SACS_Article_Code	NB	Order number.
SACS_Type_Mark		
Model Properties		
Extravent	☐	Choice of adjustable or fixed nozzles.
SACS_Option_1	Fixed	Selected basic version nozzles.
SACS_Option_2	A1	Selected nozzle version.
SACS_Option_3	K (cooling)	Selected heat exchanger.
SACS_Option_4	2-sided	Selected discharge pattern
SACS_Connection_Side	L (left)	Selected plenum version.
Nozzle plate type (1-7)	**1**	Choice of nozzle version***.
Heat exchanger type (1-3)	**1**	Choice of heat exchanger***.
Flow configuration (1-3)	**1**	Choice of discharge pattern***.
Plenum type (1-3)	**2**	Choice of plenum version***.
SACS_Standard_Color	☑	Use default color (if checked).
SACS_Color_Ral	☑	Version in custom RAL color.
SACS_Custom_Color		Used costum color.
Visibility		
SACS_Show_Arrows	☑	Show air arrows.

Notes

*If a different color is required for the diffuser, the view of the model can be given a different color. SACS_Face_Color determines the color of the perforated part, SACS_Flange_Color determines the color of the remaining colored part. These colors CANNOT be different; they are only defined individually to make a distinction between the perforated and non-perforated part of the model.

**Pressure losses and sound data are not yet available in the model. The pressure losses are added manually. For the value to use and the selection of the OKNI, we refer to SA-Select.

***If extravent has been selected, the choice does not have an impact and the nozzle version is always BD.

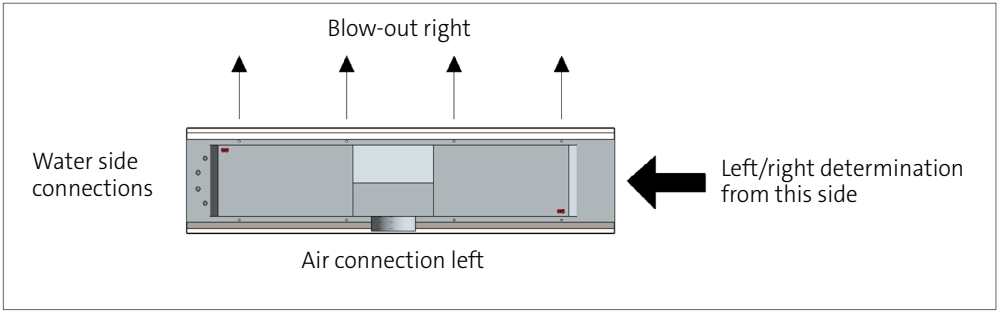
Values for "Nozzle plate type (1-7)"		
1: Fixed, nozzle type A1 2: Fixed, nozzle type A2	3: Fixed, nozzle type B1 4: Fixed, nozzle type B2 5: Fixed, nozzle type B3	6: Fixed, nozzle type C1 7: Fixed, nozzle type C2

Values for "Heat exchanger (1-3)"		
1: Cooling	2: Heating and Cooling	3: Dummy

Values for "Flow configuration (1-3)"		
1: 2-sided discharge pattern	2: 1-sided discharge to the left	3: 1-sided discharge to the right

Values for "plenum type (1-3)"		
1: Connection at the top	2: Connection on the left	3: Connection on the right

The position determination of the air and water-side connection uses the following definition:



Possible configurations

All available versions for T-bar ceilings are possible in this model. However, the complete product code is only generated for the standard versions as the model would become unworkable otherwise. For versions with a different length as the standard length (standard length = model - 5 mm), the product code is generated excluding the length. If a different colour has been set, the colour is also missing from the product code.

Examples of generated product codes:

OKNI 300/1500 BDK2 TO32 O1O 295x1495 RAL9010-55	(complete code, extravent)
OKNI 300/3000 BDV3 RO42 O1O 295x- RAL9010-55	(code different length, extravent)
OKNI 300/3000 A1V3 LO42 O1O 295x2995 -	(code different colour, fixed)
OKNI 400/1500 B2V2 TO31 O1O 395x- -	(code different length and colour, fixed)

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