

Uputstvo za korišćenje Acon programa za izbor klima komora

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1. Login

- 1. Web address: http://acon.flaktwoods.com
- 2. Select language
- 3. Key in your User id
- 4. Key in your Password
- 5. Click Login
- 6. Information about service windows

7. Click **You can register here if you are a new user** in order to become an Acon user. Key in your data and click **Save**. You will receive an e-mail when you have been registered.

8. Click Web browser requirements and you will get information about web browser requirements.

9. Click *Forgotten your password?* enter your User id and e-mail address and click *Send password*.



2. Settings

- 1. Select application, start application can be set in 6. *My settings*.
- 2. Name, registered in 6. My settings.
- 3. Link to ExSelAir, selection tool for air terminal devices, chilled beams and fan coils.
- 4. Registered User id
- 5. Select language
- 6. *My settings*, user account data, decimal symbol and Password can be changed here.
- 7. **Log off**
- 8. User manual
- 9. My settings for configuring and dimensioning
 - Default accessories automatically added to new units
 - Default dimensioning data
 - Defaults for Unit configuration
 - Defaults for Life Cycle Cost Calculation
- 10. Navigation panel
- 11. Project list, click row to open a project.



2.1 Set default accessories

- 1. Click *My settings* Accessories in the menu.
- 2. Choose Unit type.
- 3. Click *Get*.
- 4. Click **Show** and view your selected accessories.
- 5. Mark **Add accessories...** and the accessories will automatically be added when you create a new unit.
- 6. Click a function, e.g. EQEE.
- 7. Mark accessories you want added as defaults.
- 8. Click Save,



2.2 Set defaults for dimensioning data

1. Click *My settings – Dimensioning data* in the menu.

2. Select and key in defaults.

3. Mark *Show dimensioning*..... if you want page dimensioning data be shown when

you create a new unit.

4. Click Save.

	1			
Acon	✓ Tauno Jyrkin ExSelAir		tauno Eng	jlish (en) 🛛 🔽
User My settings Project	Unit for air humidity Ref. altitude above sea level [m]	% relative 🔽 D	Unit for air flow m¥sec ∨	
D New project ∰ Search ►	Outdoor temperature [°C] Outdoor air humidity [% relative] Supply air temperature [°C] Supply air humidity. [% relative] Exhaust temperature [°C] Exhaust humidity [% relative]	Summer 22 55 16 50 22 40	Winter -8 2 80 20 50 80	
	Heating water temp in [°C] Antifreeze medium, air heater Control principle for water heater Steam temperature [°C] Chilled water temperature in [°C] Antifreeze medium, air cooler Control principle for water cooler Refrigerant Cooling 3, humidfier [°C] Water to , humidfier [°C]	80 Ethylene glycol V flow control V 110 6 Ethylene glycol V flow control V R 407c V no V 10 w unit sequence	Heating water temp out [°C] Antifreeze air heater [%] Primary pressure hot water [kPa] Temperature margin between heat recovery/air heater Chilled water temperature out [°C] Antifreeze air cooler [%] Primary pressure chilled water [kPa] Evaporation temperature [°C] Max external pressure drop, Econet [kPa] Max. pressure drop on both coils, Ecoterm [kPa]	60 30 15 (°C) 0 12 30 15 6 40 70
	Save 4			

2.3 Set default for units

- 1 Click *My settings-Unit* in the menu.
- 2. Choose unit type
- 3. Click Get.
- 4. Select defaults for the unit type.
- 5. Click Save.
- 6. Click **Delete** if you want to remove all your settings.



2.4 Set default for Life Cycle Cost calculation

- Click *My settings Life Cycle Cost* calculation in the menu.
 Choose between the Fläkt Woods model and Simplified Swedish model.
- 3. Select and key in default data.
- 4. Click Save.

			$\left(\begin{array}{c}2\end{array}\right)$				
on 🗸	1 xin <u>ExSelAir</u>		\sim				
er 🖊	Life Cycle Cost	Fläkt Woods model	~				
My settings 🛛 🖡	Cooling calculation	To temperature					
oject	Climate data	Sweden 💙					
New project		Jönköping 💙					
Project			Temperature	moisture	Temperatur	e moisture	
	Climate Data / other loca	tion Average year temperature, moisture	5.4	98.1		•0	2,%
			Wint		Summer	70	
		Year highest temperature / moisture	(3)	20.5	73	°C,%
		Normal temperature, summer	-1371		22.0		•с
		Normal temperature, winter	-20.9	99.0			-C #C @
	Temperaturas	Supply six temperature / moisture	2010	19.6	22	23	U, 70
	remperatures	Supply air temperature / moisture	22	30	23	50	~C,76 #C 0/
	-	Exhaust ar temperature / moisture	40	40	40	40	C, %
	00	Supply air temperature	18	18	18	18	°C
		Outdoor temperature	-20	0	20	30	•C
	Operation		Days per wee	ek Hours per d	lay Air flow [%]	
		Operation times/Air flow	5	12	100		
	Economy operation			6	30		
		Temp. adjust , economy mode				2	•C
		Outdoor temperature <				-15	"C
	Energy cost		Heating	Cooling	EI.	Reheating	
		CO2 - emission	243	422	151	243	CO2UNI
		Price per kWh	0.4	0.6	0.5	0	EUR/kWh
		Expected actual price rise	1	2	3	0	%
	Power cost		Heating	Cooling	EI.		
		Cost for installed capacity	0	0	0		EUR/KW
	Economy	Tender sum	0				EUR
		Interest	6				%
		Operating time	20				year
	Variable flow	Correction factor flow	1				0-1

3. Project

3.1 Create a new project

- 1. Click New project.
- Key in and select project data.
 Click *Save.*

Acon	Y Tauno Jyrkin	<u>ExSelAir</u>		tauno Eng	jlish [en]
User	Pid				
🚳 My settings 🔹 🕨	Project name		Project number		
Project	Customer id		Customer name		
🗋 New project	Customer ref		Our Reference	Tauno Jyrkin	
🏘 Searth 🕨 🕨					
	Country	Malta			
	Market segment	EQ 2	currency	EUR 😽	
	Unit for air humidity	% relative 🔽	Unit for air flow	m³/sec 🔽	
			Ref. altitude above sea level [m]	0	
			Ref. pressure [Pa]	101325	
	Motor classification	without			
	Power supply	3×400 V 🗸	Electrical frequency	50 Hz 😽	
	Offer date (yymmdd)				
	Expected order date				
	Order dete (uummdd)				
	Order date (yyninidd)				
	Registered by		Date of registration		
	Save	Grant permission Mov			
	(3)				

3.2 Search project

- 1. Click Project.
- 2. You can search in
 - own projects internal projects external projects
 - or choose Acon ordering code and key in code.
- 3. Narrow your search further by keying in
 - Project name Project number and/or
 - Project ID.
- 4. Click Search.
- 5. You can sort the projects according to the headings by clicking them.
- 6. Open a project by clicking it.

Acon	~ 1	auno Jyrkin	ExSelAir							atauno	English (er
User		Search in									
🍒 My settings	•	O Search yo	ur own projects	only							
Project		💿 Internal pro	ojects								
New project Project		C External pr	rojects	2 MELBO	DURNE (1839)	3	O Sort by numbe O Sort by name	er			4
									Search		
		1 - 25 av 279N	ext >Last >> 25	~							
		Project name	2			Project numb	per Date of regi	stration	Registered by		Pid
		Atwood 11				Ν		090922	Jong kook Ahn		464
		KUNSHAN						090918	Jin Seob Noh		463
		aa				(5		090917	Jin Seob Noh		462
		marine air mar	ine					090916	Jong kook Ahn		461
		1				1		090914	Shin Seung hun		459
		신도림역세권	ļ					090914	Min-Sang Lee		460
								папапи	Sanahak Laa		455
		6)								

3.3 Project information

1. Click *Project information* in the left hand menu.

3.3.1 Change project data

Key in and select what you want to change.
 Click Save.

Acon	🗙 Tauno jyrkin	ExSelAir		
User	Pid	8540		
🥵 My settings 🔹 🕨 🕨	Project name	Acon manual	Project number	
Project	Customer id		Customer name	
🗅 New project	Customer ref		Our Reference	Tauno jyrkin
🏟 Search 🕨				
Project information	Country Market segment	United Kingd	Currency	GBP V
₩ <mark>(1)</mark> rder				
Proceedings			Ref. pressure [De]	101325
Broduct group			Ref. pressure (Paj	101323
New unit	Power supply	3 × 400 V 💌	Electrical frequency	50 Hz 💙
	Offer date (yymmdd) Expected ofer date Orde 3 ndd)			
	Registered by	Tauno jyrkin Grant permission	Date of registration Move	9/22/2009
3.3.2 Grant perm	ission to proj	ect 4		
4. Click Grant per 5. Choose Permiss 6. Key in date of v 7. Click Add to. 8. Click Close to le	rmission. sion recipient alidity. eave the page	·.	6	
🚰 Grant permissio	on Webbside	dialog 5		
Permission recipie	ent		Role Valid until	
FWG SE AVF SOLL	ENTUNA (1622)		Full rights 🔽 091022	Add to
FWG SE AVF SOLLE	ENTUNA (1622)			>
			8	Close

3.3.3 Move a project

- 1. Open a project
- 2. Click *Move*.

Acon 💌 T	auno Jyrkin <u>ExS</u> e	elAir		taunoinco	English [en]	My settings Log off User Manual
User	Pid	191				
🕵 My settings 🔹 🕨	Project name	Acon Manual	Project number			
Project	Customer id		Customer name			
🗋 New project	Customer ref		Our Reference	Tauno Jyrkin		
Project						
Pro ect information	Country	Sweden				
	Market segment	EQ 🗸	Currency	EUR 😽		
	Unit for air humidity	% relative 💌	Unit for air flow	m³/sec 💌		
			Ref. altitude above sea level [m]	0		
Product group			Ref. pressure [Pa]	101325		
🗅 New unit						
🐴 Find unit	Power supply	3×400 V 🔽	Electrical frequency	50 Hz 😽		
	Offer date (yymmdd)					
	Expected order date		(2)			
	Order date (vymmdd)		\mathbf{Y}			
	Registered by	Tauno Jvrkin	Vate of registration	9/22/2009		
	Save	Grant permission	Move			
FläktŴoods						
						~

- 3. Select to whom you want to move the project.
- 4.. Click Move.



3.4 Copy project

1. Click Save as.

Acon 💌 T	auno Jyrkin 🏻 🏾	ExSelAir				ta	unoinco Er	nglish [en]	➤ My settings	Log off User Manu
User	AOC	Unit name	Unit number	Uid						
🥵 My settings 🛛 🖌	\frown					Search				
Project	1)									
🗅 New project 🔰 🔪	~ /	<u>Unit name</u>		<u>Unit</u>	<u>Unit type</u>	Size	Status	<u>Status</u>		Uid Modified by
Project 🖊	A CONL 00554250	List 1 El Liko		number	oO. o/o	022	0000000	Poodu for price		1 Tourse Jurkin
Project inform for	ACON-00554550	Unit i conte			air	032	030322	calculation		T Tauno Syrkin
🔚 Save as 🖌	ACON-00554351	Unit 2 EC like			eQ, s/e	018	090922	Ready for price		2 Tauno Jyrkin
🗙 Delete project 🛛 🧏					air			calculation		
Project reports	ACON-00554354	Unit 3 Sting like			eQ, s/e	011	090922	Ready for price		3 Tauno Jyrkin
🔛 Export DXF					air			calculation		

- 2. Key in a new project name and project number.
- 3. Mark the units you wish to copy for the new project.
- 4. Click *OK*.

Acon	× 1	Tauno Jyrkin <u>ExSelAir</u>			taunoir	nco English [en]
User		Old pid. 191				
🕵 My settings	•	Project name Acon Manual	Project number			
Project		Onland the survivation of the state of the land				
🗋 New project		Select the units that should be incl	uded in the new project			
Project		Select all	t all			
		Vid V number	Unit name	Unit type	Status day	Status
			Unit 1 EU like	{AHUM_b_01}	90922	Ready for
			Unit 2 EC like	{AHUM_b_01}	90922	Ready for
			Unit 3 Sting like	{AHUM_b_01}	90922	Ready for
		OK Cancel				

3.5 Delete project

- 1. Open a project
- 2. Click **Delete project.**

 \frown

3. Click *Delete*, will become active after 5 seconds.

Acon	1)n <u>ExSelAir</u>		krtauno English [en] 🗸 🗸	My settings Log off User Man
User	Unit name	Unit number	Uid	
🥵 My settings 🕢			Search	
Project				
🗋 New proje	AOC name		Unit Unit Size Status Status	Uid Modified
Project			number type tray	d d
Project information			🗿 Acon Webbsidedialogruta	X
🔚 Save as	ACON-00142636			5
🗙 Delete project 🦷	ACON-00142637		Are you sure you want to delete this project?	6
Project reports	ACON-00142633		Project name: Jyrkin	2
🔛 Export DXF	ACON-00142634		Project number: Tauno Date of registration: 060404	3
			Pid: 44	
			(3)	
				1
				_
			Delete	

3.5 Project reports

- 1. Open a project
- 2. Click Project reports .

3. Select project report in the list. Choosen report can be exported to Excel.

Transport dimensions Heater/cooler data Fan data Filter data Heat exchanger data Motor data Price data (if available)



3.5 Export Dxf

- 1. Open a project.
- 2. Click Export DXF in the menu
- 3. Select units to export
- 4. Key in Valid until date.
- 5. Click Export DXF



6. You can copy and mail the address to a consultant. The page will be available for the consultant until the valid date registered in 4.

- 7. Select unit
- 8. Select view
- 9. Select block when a unit consists of more than 1 block
- 10 Select Layers
- 11 Use *i-drop* if available in your CAD software
- 12 Download DWG file if you have CAD software from Autodesk.
- 13 Download DXF file creates a file which can be opened by all CAD software



4. Product group

4.1 New unit

4.1.1 Create a new unit by specifying the unit

- 1. Click New unit.
- 2. Select and key in input data.
- 3. Click Next.



4. Select unit type in the list.

Acon 💌 T	auno Jyrkin	ExSelAir	
User Solve My settings Project New project	Unit type 🕐	Select -	
Project Project information Save as Celete project	Cancel	Select 4	
Project reports Export DXF Product group New unit		eQ, single deck casing	
🍰 Find unit		eQ, double deck casing	
		eQ, double deck casing – duct mounted components	

5. Select components.

6. Click Next.

Acon 💌 T	auno Jyrkin <u>ExSelAir</u>	
User Solution My settings Project New project	Unit type 🕐	eQ, single deck casing
Project Project information	Installation alternative:	supply air in bottom 5 ▼
 Delete project Project reports 	Heat recovery:	C rotary heat exchanger
Export DXF	Heater:	🔞 water
Product group	Cooler:	🙆 water 💌
🏟 Find unit	Controls:	🗈 with built-in control cabinet
	Fan:	D Flaktwoods standard
	Intake section, supply air:	FWG FlaktWoods standard
	Intake section, exhaust air:	FWG FlaktWoods standard
	Cancel << B	ack Next >>

7. Change the dimensioning data, if you wish.

8. Click Next.

9. Did you mark the box *Show dimensioning data* in *My settings,Dimensioning data* when you set the defaults for dimensioning data? If you did not mark it, Acon uses the settings automatically and goes directly to page Size.

Acon 🔽 T	auno Jyrkin Se <u>lAir</u>			
User	9)	Summer	Winter	
🚳 My settings 🛛 🔎	Outdoor ten [*C]	24	-20	
Project	Outdoor air humidity [% relative]	53.1	90	
🗋 New project	Supply air temperature [°C]	15 7	20	
Project	Supply air humidity. [% relative]	50	40	
Project information	Exhaust temperature [°C]	25	22	
E Save as	Exhaust humidity [% relative]	55	20	
Delete project Project reports	Exhaust humany [76 relative]	33	20	
Export DXF	Heating water temp in [°C]	60	Heating water temp out [°C]	30
Product group	Antifreeze medium, air heater	Without 🔽	Antifreeze air heater [%]	0
🗅 New unit	Control principle for water heater	flow control 🔽	Primary pressure hot water [kPa]	15
🏘 Find unit	Steam temperature ["C]	110	Temperature margin between heat recovery/air heater [°C]	0
	Chilled water temperature in [°C]	7	Chilled water temperature out [°C]	12
	Antifreeze medium, air cooler	Without 🖌	Antifreeze air cooler [%]	0
	Control principle for water cooler	flow control 💌	Primary pressure chilled water [kPa]	15
	Refrigerant	R 407c 💌	Evaporation temperature [°C]	6
	Cooling recovery	no 🔽	Max ure drop, Econet [kPa]	40
	Water temperature, humidfier [°C]	10	May on both coils, Ecoterm [kPa]	120
	Cancel << Back	Next >>		

9. Choose size by clicking a bar in the chart.

10. Click Finish.



11. A dimensioned unit is suggested by Acon



4.1.2 Create a new unit by copying the configuration from a stored unit.

- 1. Click *New unit*.
- 2. Select and key in input data.
- 3. Mark Copy configuration from saved unit.
- 4. Click Next.

Acon 💌 T	auno Jyrkin <u>ExSelAir</u>
User	Unit name Unit number
🥵 My settings 🔹 🕨	
Project	Product range: EQ V
🗋 New project	Flow combination: supply and exhaust air 👻
Project	Location: Indoor horizontal V (2)
Project information	
📙 Save as	Supply air flow [m³/sec] 2 Exhaust air flow [m³/sec] 2
X Delete project	oly air pressure drop [Pa] 222 Extract air pressure drop [Pa] 222
Project repo	
Export DXF	
Product group	
New unit	
And Unit °	Conviding and the free could unit
	Cancel << Back Next >>

5. Search for the unit you wish to copy by naming the project name, number or ID.6. Click *Search.*

			(5)		
Acon 💌 T	auno Jyrkin	ExSelAir				6
User	Project name		Project number	Pid		~ 0
🥵 My settings 🔹 🕨				191	Search	
Project	Project nam	ne Project number	Pid Unit name	Unit number	Uid Unit type Heat	гесочегу
🗅 New project	1					
Project						
Project information	Cancel	<< Back	Next >>			
C Covo oc						

7. Select unit by clicking *Copy*.

Acon 💌 T	auno Jyrkin <u>ExSelAir</u>		taunoinc
User	Project name Pr	oject number Pid	
🥵 My settings 🔹 🕨	Man		Search
Project	Project numbe	Pid Unit name Unit numbe	er Uid Unit type Heat recovery
🗅 New project	Copy	191 Unit 1 EU like	1 eQ, s/eair 🖸
Project	Copy Acon Manual	191 Unit 1 EU like test	5 eQ, s/e air 🖸
Project information	Copy Acon Manual	191 Unit 2 EC like	2 eQ.s/eair C
📙 Save as	Copy Acop Manual	191 Linit 3 Sting like	3 eQ s/e air C
X Delete project	Copy Acon Manual	191)Afthout controls	
Project reports	1	131 Without Controls	4 ea, s/e air 💌
D New unit	Cancel << Back	Next >>	
🐴 Find unit			

8. Change the dimensioning data, if you wish.

9. Click *Next*.

10. Did you mark the box *Show dimensioning data* in *My settings,Dimensioning data* when you set the defaults for dimensioning data? If you did not mark it, Acon uses the settings automatically and goes directly to page Size.

Acon 💌 T	auno Jyrkin Sel <u>Air</u>			
User	10	Summer	Winter	
🥵 My settings 🛛 🖡	Outdoor ten [°C]	24	-20	
Project	Outdoor air humidity [% relative]	53.1	90	
🗅 New project	Supply air temperature [°C]	15 8	20	
Project	Supply air humidity. [% relative]	50	40	
Project information	Exhaust temperature [*C]	25	22	
E Save as	Exhaust humidity [% relative]	55	20	
Project reports	Exhaust humany [so relative]	33	20	
Export DXF	Heating water temp in [°C]	60	Heating water temp out [°C]	30
Product group	Antifreeze medium, air heater	Without 💙	Antifreeze air heater [%]	0
🗅 New unit	Control principle for water heater	flow control 🔽	Primary pressure hot water [kPa]	15
🏟 Find unit	Steam temperature ["C]	110	Temperature margin between heat recovery/air heater [°C]] 0
	Chilled water temperature in [°C]	7	Chilled water temperature out ["C]	12
	Antifreeze medium, air cooler	Without 💙	Antifreeze air cooler [%]	0
	Control principle for water cooler	flow control 💌	Primary pressure chilled water [kPa]	15
	Refrigerant	R 407c 💌	Evaporation temperature [°C]	6
	Cooling recovery	no 🗸	Max ure drop, Econet [kPa]	40
	Water temperature, humidfier [°C]	10	May Son both coils, Ecoterm [kPa]	120
	Cancel << Back	Next >>		

11. Choose size by clicking a bar in the chart.

12. Click Finish.



13. A dimensioned unit is suggested by Acon

Fläkt Woods 2009.09



4.1.3 Create a new unit by copying a stored unit

- 1. Open a project and click Find Unit.
- 2. Open the unit you wish to copy. Click a row.



- 3. Click Save as in the menu.
- 4. Key in the new unit name and number.
- 5. Click *Ok*



- 6. Choose **Save multiple** in order to save several units at the same time.
- 7. Key in data and click *Insert*
- 8. Click Create>>

Acon 💌 Tau	unc	Jyrkin E	xSelAir										
User	V	iew 🔻 Modify	▼ Insert ▼	Accessories	 Acon Ai 	d 🕶				4	Air flow	🕗 Air handling	Oimensio
🥵 My settings 🔹 🕨													
Project													
🗅 New project	Ŀ												
Project	Ŀ												
😭 Project information	Ŀ												
📕 Save as		🕙 We	bbsidedia	logruta									X
🗙 Delete project	Ŀ				1				-		Exhaust	Cooling	· · · · · · · · · · · · · · · · · · ·
Project reports	Ŀ	1	Unit nam	e	Unit	Supply	Exhaust	Supply air pressure	Extract air pressure	Dressure	air	velocity	
🔛 Export DXF	Ŀ				number	air flow	air flow	drop	drop	drop	drop	face)	
Product group					1	2	2	222	222	0	0	2	
🗅 New unit	Ŀ				2	3	3	333	333	0	0	2.2 Inse	art
🚧 Find unit	Ŀ	Submit data	a for units ye	ou want to crea	ate and sele	ect add							
🚰 Unit information	Ŀ												
🎹 Unit Reports													
F Psychometric Chart												_	
📙 Save as											Create>>	Cancel	
X Delete					_								



9. A dimensioned unit is suggested by Acon

4.2 Find unit

- 1. Click Find unit.
- 2. Narrow your search further by keying in AOC (Acon Ordering Code) Unit name

Unit number and/or Unit ID.

- 3. Click Search.
- 4. You can sort the projects according to the headings by clicking them.
- 5. Open a unit by clicking a row.

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Project									
New project	AOC	<u>Unit name</u>		<u>Unit</u> number	<u>Unit</u> type	<u>Size</u> S	tatus Status day	<u>Uid</u>	Modified by
Project information	ACON-00554354	Unit 3 Sting like			eQ, s/e air	011 09	1012 Ready for p calculation	irice 3	Tauno Jyrkin
📕 Save as 🗙 Delete project	ACON-00554350	Unit 1 EU like	4		eQ, s/e air	032 09	0929 Price calcul	ated 1	Tauno Jyrkin
Project reports	ACON-00558494	Unit 1 EU like test			eQ, s/e air	032 09	0929 Ready for p calculation	rice 5	Tauno Jyrkin
Product group	ACON-00558130	Without controls			eQ, s/e air	041 09	0928 Ready for p calculation	vrice 4	Tauno Jyrkin
🗅 New unit	ACON-00554351	Unit 2 EC like			eQ, s/e air	018 09	0922 Ready for p calculation	rice 2	Tauno Jyrkin

4.3 Unit information

- 1. Click Unit information, contains sound and input data
- 2. You can Change Unit name and Unit number. Return to unit picture by click OK



4.4 Unit reports

- 1. Click Unit reports
- 2. Two reports are available. Can be exported to Excel.
 - Unit performance date
 - Product codes and price (if available)



4.5. Psycometric chart

1. Click Psychometric chart



4.6. Save as

- 1. Click Save as in the menu if you want to create a copy of the unit.
- 2. Key in the new unit name and number.
- 3. Click **Ok**



- 4. Choose **Save multiple** in order to save several units at the same time.
- 5. Key in data and click Insert
- 6. Click Create>>

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4.7. Delete

- 1. Click *Delete, Unit* if you want to delete the unit in the page.
- 2. Click Delete several units and mark units in the project you want to delete..



4.8 Instructions, certificate

- 1. Click Instructions, certificate
- 2. Select Document type
- 3. Select Language
- 4. Click Get files
- 5. Mark documents to print out
- 6. Click Generate document



4.9 Print

- 1. Click Print
- 2. Select documents to print out.
- 3. Select Language.
- 4. Select Paper size.
- 5. Select File format.
- 6. Click Ok
- 7. Mark Save as new default in order to save your selections.



4.10 Export Dxf

- 1. Click Export Dxf
- 2. Select view
- 3. Select block when a unit consists of more than 1 block
- 4. Select Layers
- 5. Use *i-drop* if available in your CAD software
- 6. Download DWG file if you have CAD software from Autodesk.
- 7. Download DXF file creates a file which can be opened by all CAD software



5. Modify suggested configuration, right top menu bar

5.1 Change air flow

- 1. Click 1 Air flow.
- 2. Key in your changes
- 3. Click **Ok** if you want to calculate with new data.

4. Mark Change size

5. And click Next if you want change size and calculate.



5.2 Air handling

1. Information of the unit configuration

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Product group	1 7 7					8 -

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5.3 Change dimensioning data

- 1. Click 3 Dimensioning data.
- 2. Key in your changes.
- 3. Click **Ok** if you want to calculate with new data.

4. Mark Change size

5. And click *Next* if you want change size and then calculate.



5.4 Change unit size

- 1. Click 4 Size.
- 2. Choose size by clicking a bar in the chart..
- 3. Mark Dimensioning calculation if you want the unit redimensioned.
- 4. Click OK.



5.5 Change the casing

- 1. Click 5 Casing.
- 2. Choose panel material and insulation.
- 3. Mark if you want set max block length
- 4. Mark if you want convert to modular casing
- 5. Mark if you want convert to compact casing
- 6. Mark if you want automatic module division
- 7. Click Ok.



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5.6 Change controls (factory default)

- 1. Click 6 Controls.
- 2. Click Next.
- 3. Go throw the steps and make the changes.
- 4. Click **Ok**.



5.7 Product codes, workshop lead time and price



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5.8 Calculate Life Cycle Cost

- 1. Click *LCC*.
- 2. Select calculation model Flakt Woods model or Simplified Swedish model.
- 3. Key in and select input data.
- 4. Click *Calculate*
- 5. Result is shown.
- 6. Click << *Input value* if you want to calculate with new data.
- 7. Click **OK** if you want to go back to the unit picture.



6. Modify the configuration, left top menu bar

6.1 View the unit from various views

1. Click View and choose point-of-view.



6.2 Modify the unit

- 1. Click *Modify*.
- 2. You can modify to
 - Indoor or outdoor
 - Inspection side right or left
 - Supply air in bottom or top
 - Type of heat recovery
 - With or without controls



6.3. Insert a component

- 1. Click insert in the menu.
- 2. Click a component to insert.

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- 3. Click position where the component is to be inserted.
- 4. Select component properties.
- 5. Click finish



6.4. Choose / change accessories

You can select all accessories for the unit in this menu.

- 1. Click Accessories in the menu.
- 2. Select type of accessories, connection, function or module
- 3. Mark the accessories you wish to add.
- 4. Click *Ok*.

6.4 Calculate unit performance

Acon provides the facility to make up to two additional performance calculations on the selected unit. No component is changed but performance input data such as airflow, pressure and temperatures can be altered in order to be able to see performance at part load for example.

7. Functions when you click the picture

By clicking a component you can view result, change, add or delete components.

7.1 Change clicked components casing

- 1. Click a component
- 2. Click Casing
- 3. Click Input/result
- 3.1. Panel material and insulation can be changed for the component
- 3.2. Click **OK**
- 4. Click Drawing/dimensions to view available drawings

7.2 Insert component

- 1. Click a component
- 2. Click Insert
- 3. Select Function after or Function before

- 4. Select component.
- 5. Select properties.

6. Click *Finish.*

7.3 Insert module

- 1. Click a component, in this case the water cooler.
- 2. Click Insert
- 3. Choose Module after or Module before.

7.4 Delete module

- 1. Click a component (not the first in the supply air flow direction)
- 2. Click Casing
- 3. Click Delete

7.5 Change a components size

- 1. Click a component.
- 2. Click Size.
- 3. Select size.
- 4. Click **Ok**.

7.6 Choose, change or view accessories

- 1. Click a component.
- 2. Click Accessories.
- 3. Mark the accessories you want to add.
- 4. Click *Ok*.

Version number: version 1

<< Back

Finish

Cancel

5

7.7 Exchange function

- 1. Click the component you wish to exchange (in this case air heater for hot water).
- 2. Click *Exchange function*.
- 3. Click a new component.
- 4. Select properties.
- 5. Click Finish.

7.8 Move component

1. Click the component you wish to move (in this case Air heater for hot water).

2. Click *Move*

Click component you want to move to (in this case Air cooler for chilled water)
 Click *Insert before* or *Insert after*

7.9 Choose, view or change a components input/result

- 1. Click a component (in this case the exhaust fan).
- 2. Click Input/result.

3. Change size (plug fan), click a row.

4. Exchange to centrifugal fan

5. Fan input, mark View fan input and scroll down

6. Motor, frequency converter and accessories , mark *View accessories* and scroll down

7. Click Apply and check the calculation with new input.

8. Click OK, return to unit picture.

7.10 View a components drawing/dimensions

- 1. Click a component.
- 2. Click Drawing/dimensions
- 3. Click Print for a printout.

7.11 View performance case (summer and winter)

1. Click a component.

2. Click Performance cases, Summer or Winter.

3. If performance simulations have been done in 4. *Acon Aid* then these results are also presented for each component.

7.12 Delete a unit component

- 1. Click the component you wish to delete.
- 2. Click Delete.

