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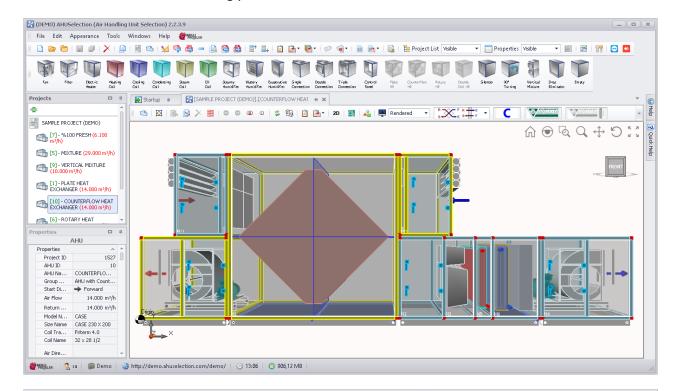


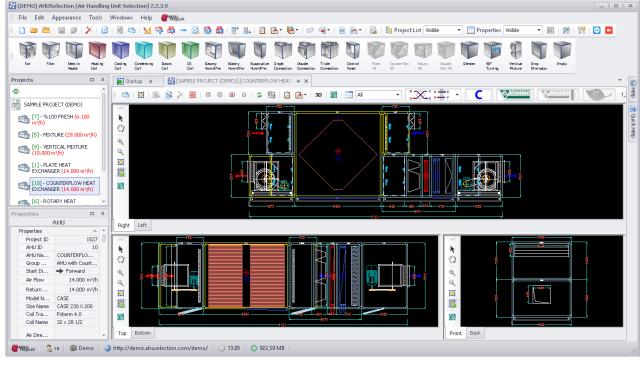




## 3D / 2D VECTORIAL DRAWING

You can design AHU via 3D/2D design tool. You can see all the surfaces of the AHU by 3D/2D design tool. The drawing of the AHU on the screen is vectorial and all of the AHU selection can be exported to 3D/2D CAD softwares with many popular 3D/2D file formats. The drawing you see on your screen while designing the AHU and the drawing you will see in the 3D/2D CAD software will be the same.









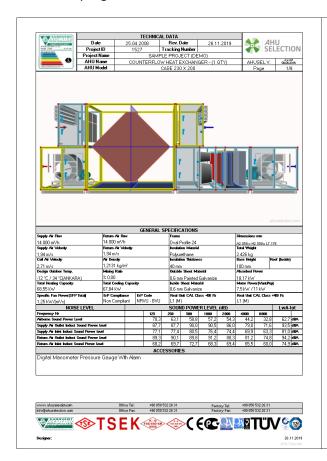
#### **EUROVENT**

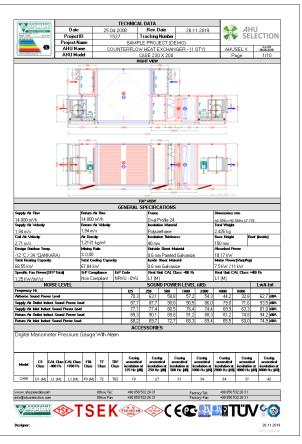
Software is compliant for Eurovent certificate. Reference companies have obtained Eurovent certificate several times.



#### **TECHNICAL REPORT**

You can obtain the technical report with your own logo and your own company information. You can transfer the technical report into PDF, Excel, Word or Html formats. You can also send the file in that format via email from the program.



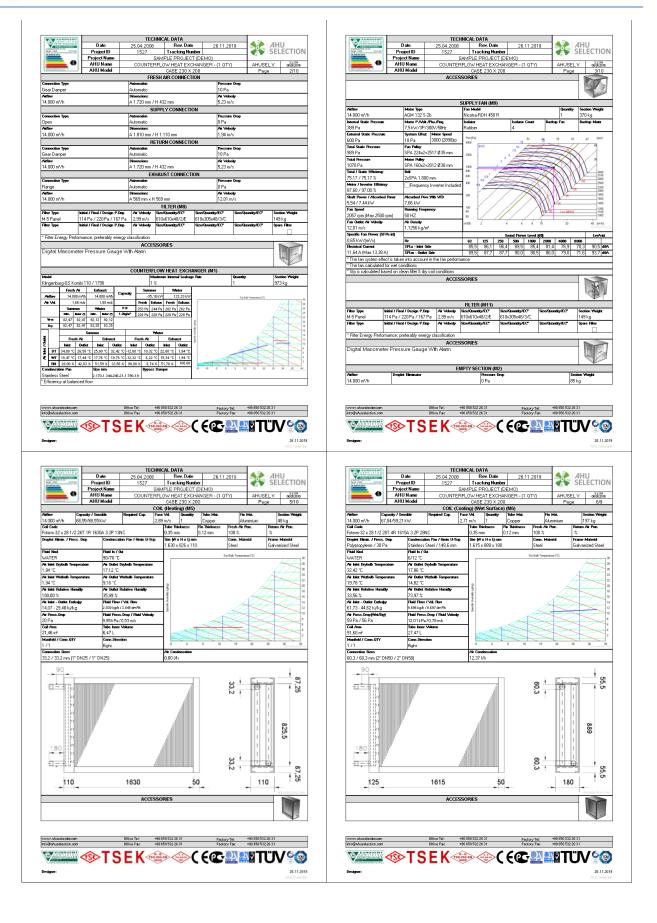






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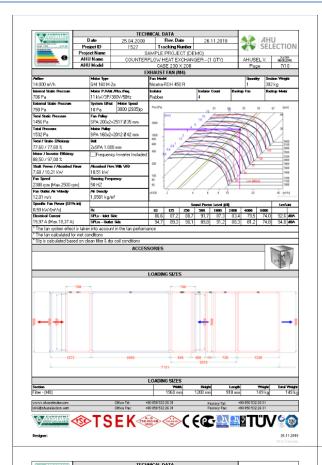






AHU SELECTION

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-0	EUROVENT		TE	CHNICAL DATA						
9	ERFORMANCE	Date	25.04.200			26.11.201	9		AHL	J ECTION
AVERSO, EC	10x11110 m 10.10 to	Project ID	1527	Tracking Nur			_	A STILL	SELI	CTION
ř.		Project Name		SAMPLE PROJECT	(DEMO)			42.0		
	<u> </u>	AHU Name	COUNTE	RFLOW HEAT EXC	HANGER	- (1 QTY)		AHUSI	ELV.	08.08.2016
-	MICHAEL OF 24	AHU Model		CASE 230 X	200			Pag	ge 973 kg	8/10
	flow Heat Exc	nanger - (M1)		1900 mm	2500		460 mm		973 kg	973 k
an - (N				1960 mm	1300		273 mm		370 kg	370 k
iker - (				1960 mm	1200		918 mm		149 kg	149 k
mpty - ilter - f	[M2]			1960 mm	1300		645 mm		85 kg 64 kg	85 k 64 k
	Coil - (M5)			2050 mm	1300		255 mm		48 kg	48 k
	Coil - (MS)			2050 mm	1300		720 mm		197 kg	197 k
an - [N				1960 mm	1300		328 mm		392 kg	392 k
									426 kg	2.426 k
			Ecode	esiqn Requiremen	ts Table					
$\neg$					Value			$\neg$	2016	2018
Pri	oduct				CASE					2010
En				N.	on Comp	liant				
	anufacturer			IN	Demo	HOIR		-		
					SE 230 X	2000		_		
	del Identifie	r						_		
	⊃ Code				IRVU-B			_		
	pe Of Drive			Not Exists		Not E	kists	R	equired	Required
	pe Of HRS				Counterflo					
	RS Damper			Not Exists				R	equired	Required
F Th	ermal Efficie	ency of HRS			83,35 %			>	- 67 %	>= 73 %
	minal Flow			3,89 mº/s		3,89 r	mº/s			
H Eff	ective Elect	rical Power Input		7.66 KW		10.51 kW				
	FInt			_	_	_				
	Face Velocity		1,94 m/s		1,94		-			
	lominal External Drop ∆ps. Ext			600 Pa	_	750		_		
	ternal Pressure Drop Δps, Ext			389 Pa	_	706		-		
					_	76 F		$\rightarrow$		
	dditional Pressure Drop ∆ps, Add atic Fan Efficiency EC327/2011			81 Pa	_			$\rightarrow$		
				75,17 %		77,60	1%	_		
		mum Ext/Int Les	skage Rate		1,00 %					
P En	ergy Perforr	nance Of Filters		C		A٠				
Q De	scription Of	Visual FilterWar	ning	ManometerPres Gauge		Not E	dists			Required
		Power Level (Lw	ra)		62,7 dB/					
S Inte	emet Addres	ss Of Instructions		WWW.6	huselect	ion.com				
		EU	ROVENT HYC	IENE COMPLIAN	CE (Non	Complia	nt)			
Code			Explanat	ion			Leve	11 L	evel 2	Level 3
R14	AHU Rating certification	Standard, butware considered	ith the following only floor mour	vithin the scope of t g exclusions: a.For nted AHU with horiz onsidered only AHI	the H-AH ontal airf	IU lows (no	Compli	iant Cr	ompliant	Compliant
R15	Every comprecovery sy	stems and coils.	. droplet sepan				Compli	iant Co	ompliant	Compliant
R31	To avoid co	hall be installed on andensation, the ass of XLevel 1&	boxshall have a minimum thermal			Compli	iant Ci	ompliant	Compliant	
R32	The certifie L2 (M)Leve	d model boxsha I 3: X = L1 (M)	ll have at least	a tightness class of X Level 182:X= Com			Compli	iant Cr	ompliant	Compliant
R33	The certifie Level 3: X =	d model box stre D1 (M)	ngth shall be a	tleastclass XLeve	1182:X=	D2 (M)	Compli	iant Ci	ompliant	Compliant
	uselecton.com		Office Tel:	+90 850 532 26 31		Factory Tel	. +	90 850 532	26 31	

<b>A</b>	EUROVENT		1	TECHNICAL I	DATA					
PERFORMANCE PURSE HIPCON PAGE (AND US) US		Date	25.04.2	008	Rev. Date	26.11.201	9	lis.	AHI	J
		Project ID	1527	Tr	acking Number				SEL!	ÉCTI(
ř.		Project Name		SAMPLE	PROJECT (DE	M0)		,	-	
		AHU Name	COUN	ITERFLOW I	HEAT EXCHAN	GER - (1 QTY)		AH	USEL V.	06.06.2
10000000	Mich 8.00 (00 - 24 0.0008-0013	AHU Model		CA	SE 230 X 200				Page	9/1
R38	quality (as filters shall 1: The filtra an M5 filter The filtratio M5 filter on filtration eff	all be selected as aminimum). The fi be certified by a c tion efficiency at 0, on the exhaust side in efficiency at 0,4 the exhaust side iciency at 0,4 um exhaust side and	Iter efficienc sertificationb ).4 um of all f de and to an um of all filte and to an F8 of all filters in	y according ody accred ilters install F7 filter on ers installed filter on the istalled sha	g to EN 779:20 ited ISO 1706! ed shall be ei the supply sid shall be equi supply side.L Il be equivale	112 of the 5:2012.Level quivalent to le.Level 2: ivalent to an .evel 3: The	No Comp		Non Compliant	No Comp
R42	Each filters measuring future users control sys is not allow mandatory	stage shall be equidisplay device st s.Level 1 & 2: For tem is mandatory ed.Level 3: Fore : Forunits to be in	ipped with a nall be easil each filter a . For units to ach filter an i stalled outdo	differential- y accessible visual signe be installed alarm in the por liquid ma	pressure gau e and easily res aling or an ale outdoor liquid control system anometer is no	adable by urm in the d manometer m is	No Comp	on oliant	Non Compliant	No Comp
R43	requirement shall be at within the u programme		quirement a third stage unit. Therefo	pplied and filter is requ re this is no	the first stage ired, it can be t in the scope	present of this	Compliant		Non Compliant	No Comp
R44	requirement appliedLes	ed air (not allowed nt as defined und vel 3: No recircula	erR38 forsu ted airshall	pply airfilte be allowed	r.Level 1 & 2: F	Requirement	Comp	oliant	Compliant	Comp
R48	For hygiene reasons, coolers with dehumidification shall not be arranged immediately before air filters or silencers. Fans or heaters shall be installed in between to limit the relative humidity. Published August 2016 506 D06 Trame referentiel ECP — RS/K/C/11 E016 Fags 1 for 2C Selection software to alert the user that cooler with dehumidification shall not be arranged immediately before jair filters or silencers						Compliant		Compliant	Comp
R49	(Coil, fan, h	en application, hu eat exchanger, di ncers. A maximun	opletsepan	ator) betwe	en the humidif	ier and final	Comp	oliant	Compliant	Comp
R50	compliano desiccanti	r liquid absorben e of the productus unit shall be minim Requirement app	ed shall be p num×Level	orovided.Fi 1:Requiren	Itration downs nent applied a	tream the and X=				
R51	coil. Selec	e can carry overt tion software to al ngedimmediately	ert the user t	hat cooler w	ith dehumidifi		Comp	oliant	Compliant	Comp
R53	kind of com between re The final su section OP filter sectio and supply supply air s ORPublish Page 16 of	angers shall be ea tamination. Level: turn and supply a apply air shall be it. The return air shall. Level 2: There so at apperational co shall be filtered as ed August 2016 S 22 The return air: n. Level 3: The cos	1: There sha t design con filtered as the all be filtered thall be no conditionfor the the supply of 506 D06 Transhall be filter	Il be no cros dition for the e supply air I as the sup ross air com e pressure o air defined u me referenti red as the s	is air contaming pressure diffication defined under defined under ply air defined to be difference OR under the filter el ECP - RS/6 upply air defined upply air defined upply upply air defined upply	nation erence OR r the filter f under the tween return The final section VC/011-2016 ned under the	Comp	oliant	Compliant	Comp
R54		M5 filter is mand ryer used for dryir t					Comp	oliant	Compliant	Comp
de,www	uselection.com		Office Tel:	+90 850 53		Factory Tel			532 26 31	
nfo@ahi	uselection.com		Office Fax	+90 850 53;	22631	Factory Fa		+90 850	532 26 31	

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- A	EUROVENT		TECHNIC	AL DATA						
Ψ.	ERFORMANCE TERRORITION	Date	25.04.2008 Rev. Date 26.11.2019		9		►   AHl	AHU		
Range CAL	100 11119 86 1110 104	Project ID	1527	Tracking Number				SEL	ECTION	
		Project Name	SAM	PLE PROJECT (DE	EM0)		-			
		AHU Name	COUNTERFLOW HEAT EXCHANGER - (1 QTY)			AHUSEL V.		2239 06.06.2016		
-	AHU Model CASE 230 X 200						Page		10/10	
Fons and fan drives shall be used rather than belidrive fans. If a belidrive fans or fans with fusing are used refer to "General requirements to the casing for IMC"s exclaim for IMC"s exclaim for IMC"s exclaim for IMC and										
	Cupply pir	ala all la a Elkana al co	stream the silence			C	fiant	Compliant	Compliant	





#### PROFORMA INVOICE

You can make a special design of proforma invoice and generate your proforma invoices via this program. You can also export the proforma invoice in different formats as in technical report and can send via e-mail.











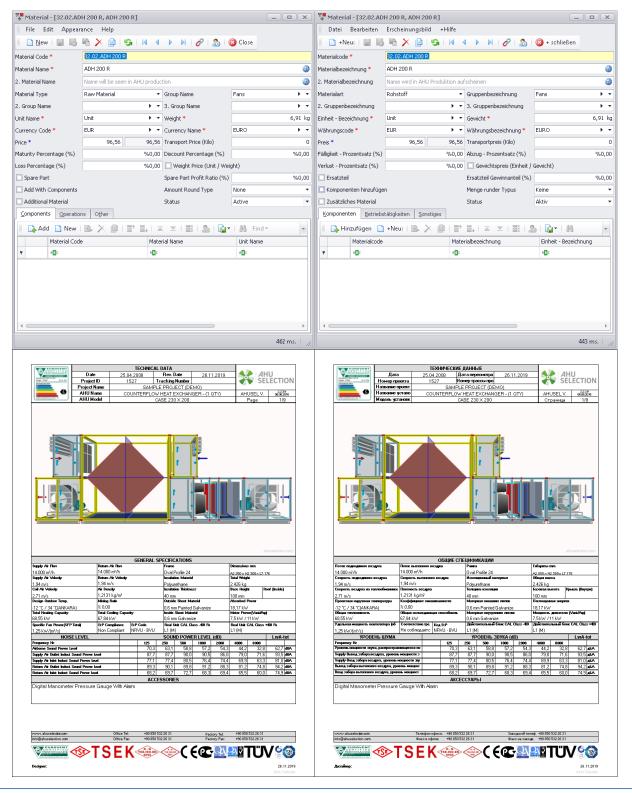






# MULTIPLE LANGUAGE SUPPORT (TURKISH, ENGLISH, RUSSIAN, GERMAN, DUTCH, SPANISH, FRENCH, LATVIAN, POLISH)

All the screens of program can operate in Turkish, English, Russian, German, Dutch. Additionally the technical report can also operate Spanish, French, Latvian, Polish.



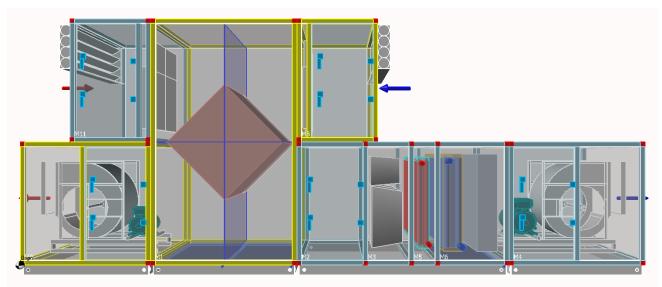


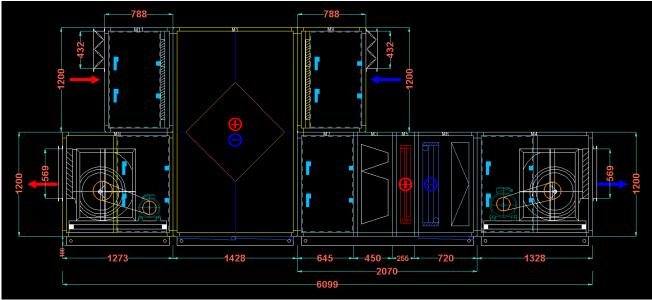


#### **HEAT EXCHANGER**

You can select "Crossflow", "Counterflow", "Rotary" and "Run Around Coil" heat exchanger modules.

#### 1. Crossflow Heat Exchanger



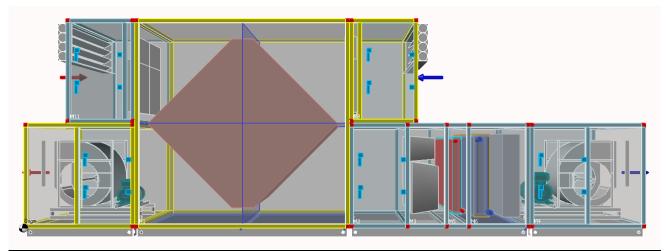


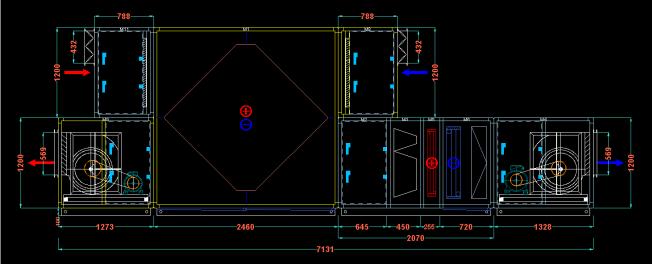






## 2. Counterflow Heat Exchanger

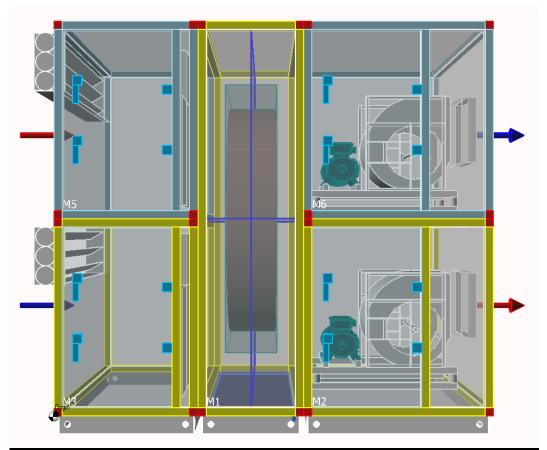


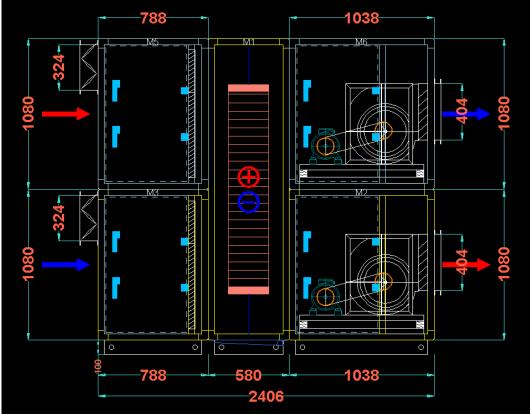






#### 3. Rotary Heat Exchanger





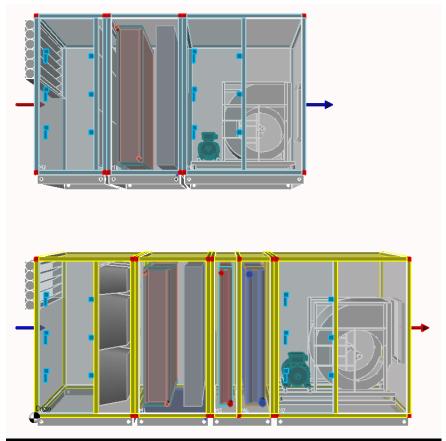


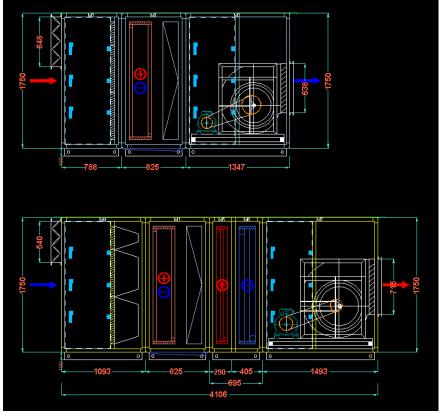
Phone e-Mail Web : +90 850 532 26 31 : info@ahuselection.com : www.ahuselection.com

Smart Project Designer OÜ Sepapaja 6, Tallinn 15551, Estonia



## 4. Run Around Coil Heat Exchanger







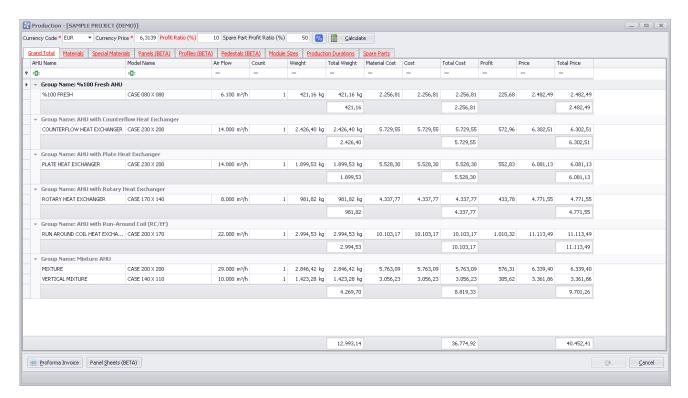


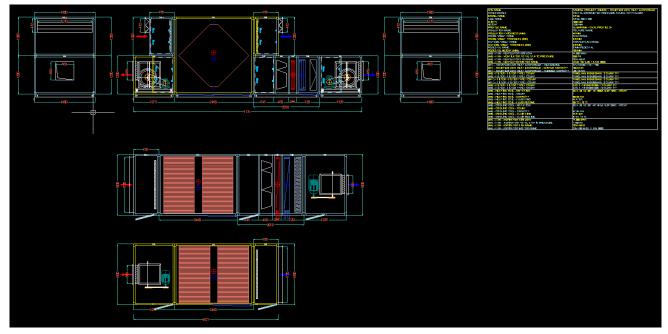




# **PRODUCTION / PRICING**

You can obtain detailed production information of all material and workmanship used during the production of AHU, based on module, AHU and project. You can calculate production duration of AHU. All surface drawings of the AHU can be exported as 2D format for the production. And drawing contains all necessary information of the AHU as text.











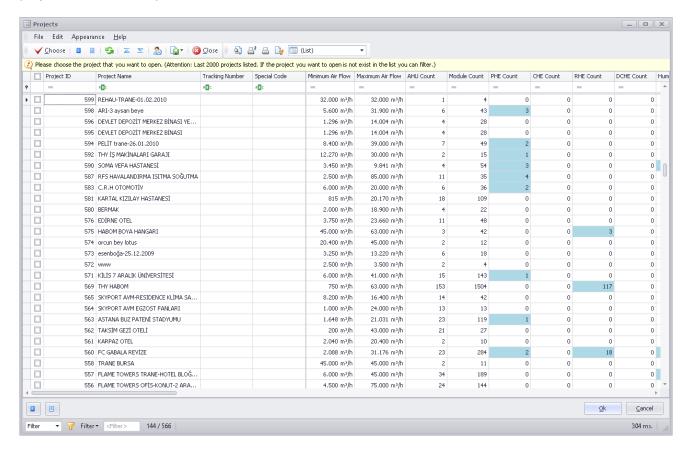


#### INTERNET

You can select the AHU through Internet all over the world.

#### **COMMON DATABASE**

The projects prepared by all of the users are stored in a common database and the users can access the projects within the scope of their authorization.

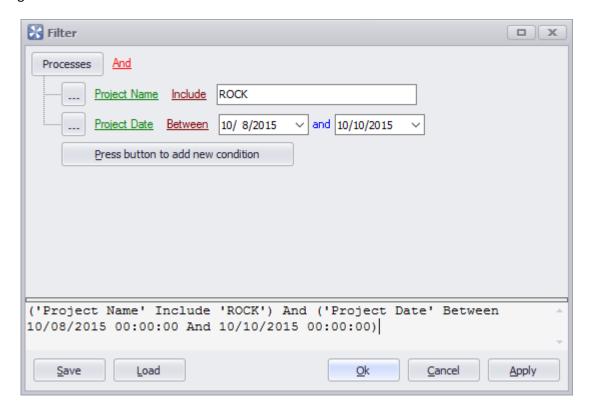






#### **DETAILED PROJECT SEARCH**

Finding previous projects will be hard when stored projects increased much. To avoid this situation users can search any value in the project. For example; users can list projects which project name includes "ROCK" or AHU airflow is greater than or equal to 50.000 m3/h or "Klingenburg" branded rotary heat recovery module including AHUs.



#### **USER FRIENDLY**

Its user-friendly interface will easily adapt you into using the program. As all of the screens operate with the same standard logic, after learning how a screen is used, it will be much easier to understand and learn the others.

# PROJECT / AHU COPYING

You can copy and edit the previously prepared project / AHU with a single button and save as a new project / AHU.



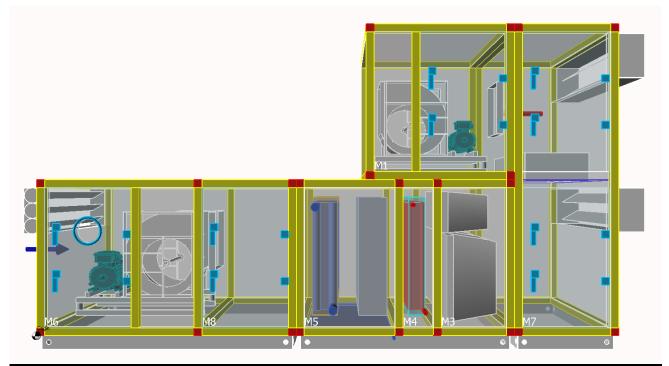


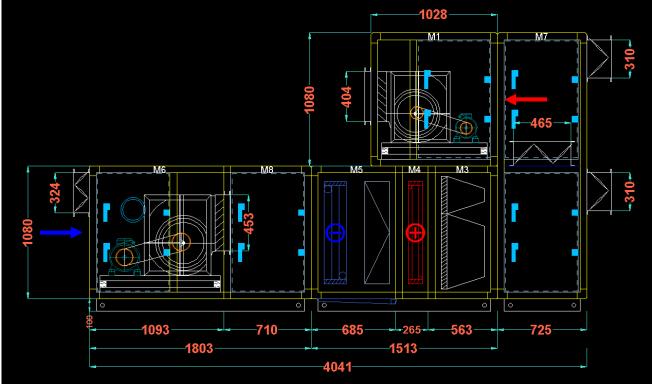




## **TURNING MODULES**

With the help of 90° and 180° rotation modules, you can design AHUs with two or more layers without using heat recovery module. It is also possible to design an AHU in the shape of maze by 90° rotation module.







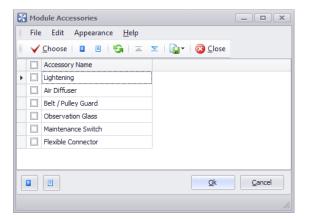






#### **ACCESSORIES**

You can define new module-based accessory types, select them in your preferred AHUs and add automatically to the cost of AHU.



## **CUSTOM SIZE**

You can specify a new AHU dimension specific for that AHU except the standard AHU modules during selection. It is also possible to specify module-based special dimension within the AHU.





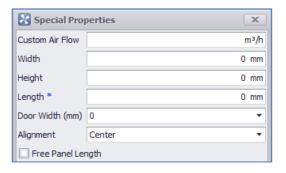






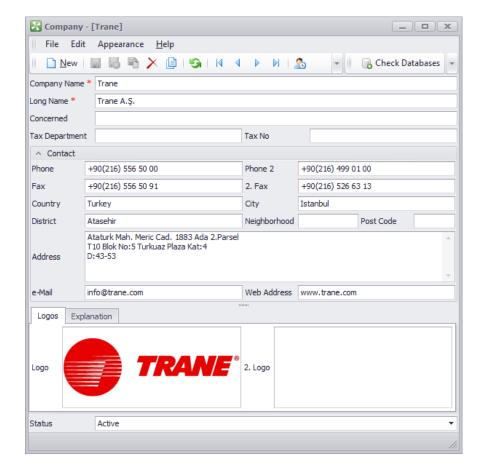
#### **MODULE CUSTOM SIZE**

It is also possible to specify module-based special dimension within the AHU.



#### **COMPANIES**

You can authorize a person/company outside your own company who prepares an external project to access the projects prepared by that person or company and you can also access to those projects. You might not permit that person or company to view your production costs, specify a multiplier for the company-based prices they will see and give prices for each organization with special profit margin.





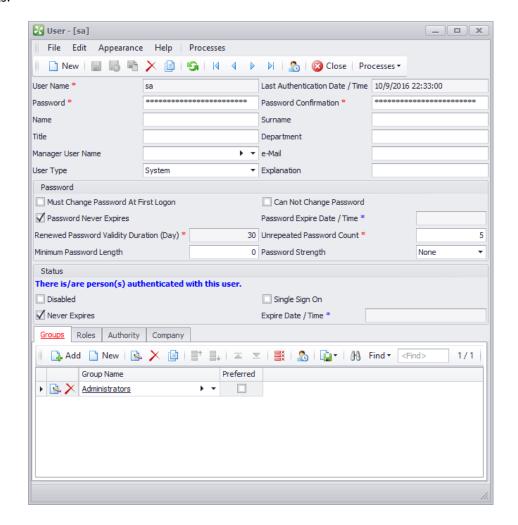






## **SECURITY / AUTHORIZATION**

Every user can use software with their own user name and password, users can not use software without user name and password. You can authorize the application in a very detailed way. For instance; at the BackOffice part of application, we can authorize a single user for updating the prices of materials by permitting that user's access to only section of materials, and not permitting adding new records and deleting those. We can turn off that user's authorization to access all other sections, thereby preventing user based faults.



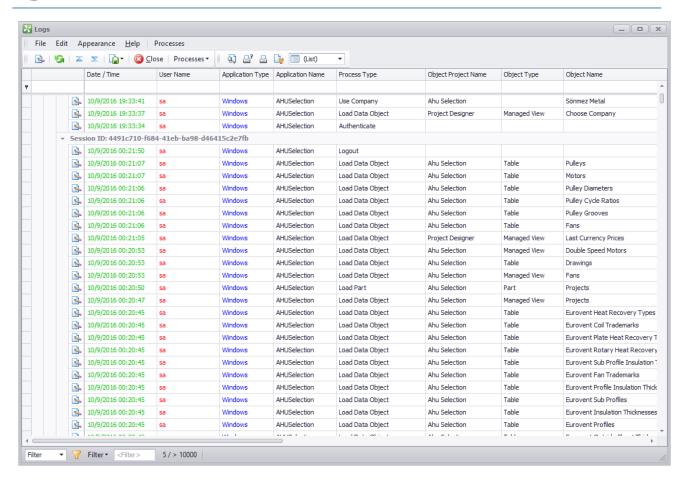
#### LOGS

All the transactions done by users are recorded in the server. All the things about the date and time of user's log in, where exactly in the program is used, which date is added, edited or deleted, when the program was logged off, and through which IP Address, MAC Address, computer the transactions was made and by which user are recorded. Thus, any fault that might occur on the records and the user that caused it can easily be specified. Also, it is possible to bring back the changed or deleted records. By doing this, the changes in the data which are made by fault or malicious intention can be taken back.



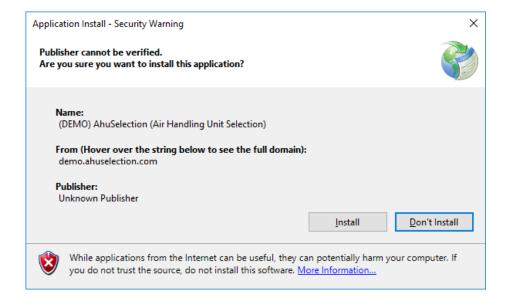


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#### **INSTALLATION**

When the program is initially installed into the computer, you can start using it as logging into a web site. In order to make the installation, you will login to the web site where the application will be operated, click on a link from there and start using the application. If there are any files or programs needed for the operation of program; the program will download from Internet and there is no need for you to make any settings etc.





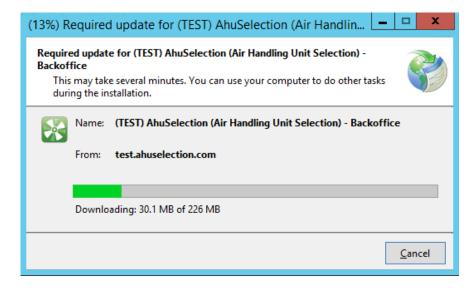






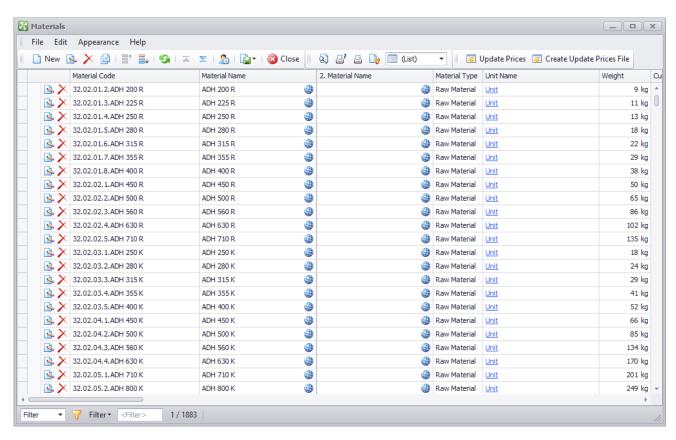
#### **UPDATE**

The application checks at any time of operation for a new edition, downloads automatically if there is any, and user does not need to do anything.



#### **MATERIALS**

It is also possible to define new filter, profile, model, accessory, sheet, insulation, belt, pulley, bush, drop eliminator, roof and steam humidifier.





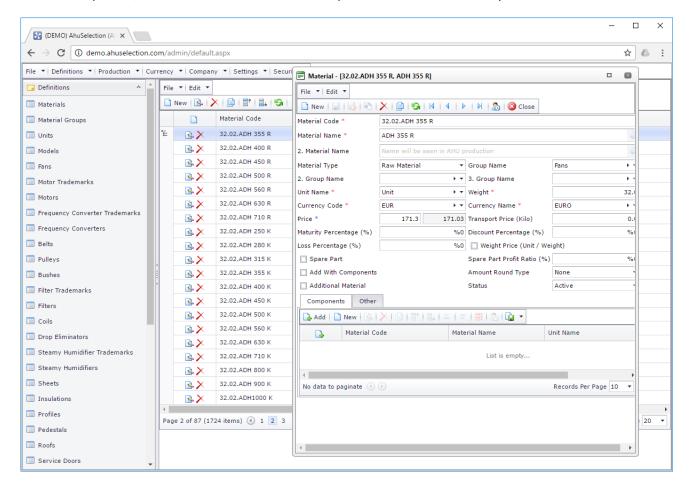






#### **WEB**

Our BackOffice program is operated as a Windows application from the Web and it can also be operated on "Internet Explorer", "Firefox", "Chrome", "Safari", "Opera" browsers without any installation.



# **MODULES / CELLS**







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	Single Connection
	Double Connection Mixture
	Triple Connection Mixture
	Vertical Mixture
	Crossflow Heat Exchanger (Recuperator, Heatex, Klingenburg, Hoval, Karyer, Barbor)
	Counterflow Heat Exchanger (Klingenburg, Eri, Hoval)
0	Rotary Heat Exchanger (Recuperator, Heatex, Klingenburg, Enventus, DRI, Hoval, Karyer)
	Double Coil / Run Around Coil Heat Exchanger (Friterm, Coils32)
	Silencer
15	90° Turning
	Drop Eliminator
	Empty

## **SUPPORTED BRANDS**

NICOTRA Gebhardt fan tastic solutions	ZIEHL-ABEGG	comefri	Yilida
punker	S&P)	KRUGER	ebmpapst
SANMU <sup>®</sup>	FRÎTERM	TERMOKAR In Egangorien	RECUPERATOR
Enventus ENVERTED SERVICES	HEATEX OUALITY & COMPETENCE	KUNGENBURG	<b>₽</b> RI Î



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#### **CERTIFICATES**

























## **REFERENCES**













































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