

DELTAACOILS

New web software

About software

- Link to software: <http://52.236.164.115/DeltaCoils/>
- Intended for use on the web and mobile devices (fully responsible)
- High speed and performance
- Multilingual software (English and Italian)



Free Register for DELTACOILS

Get your free Delta Coils account now.

First name

Last name

Email

Password

Confirm Password

By registering you agree to the Delta Coils [Terms of Use](#)

Register →

Already have an account? [Log in](#)

Enter the data

CLICK HERE



SignUp



Let's Get Started DELTACOILS

Sign in to continue to Delta Coils.

Email

Password

Remember me

[Forgot password?](#)

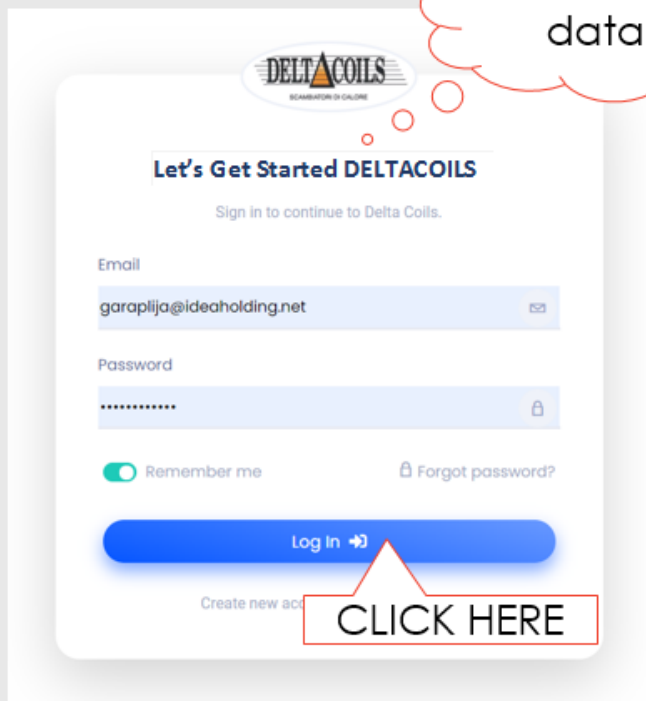
Log In →

Create new account? [Free Register](#)

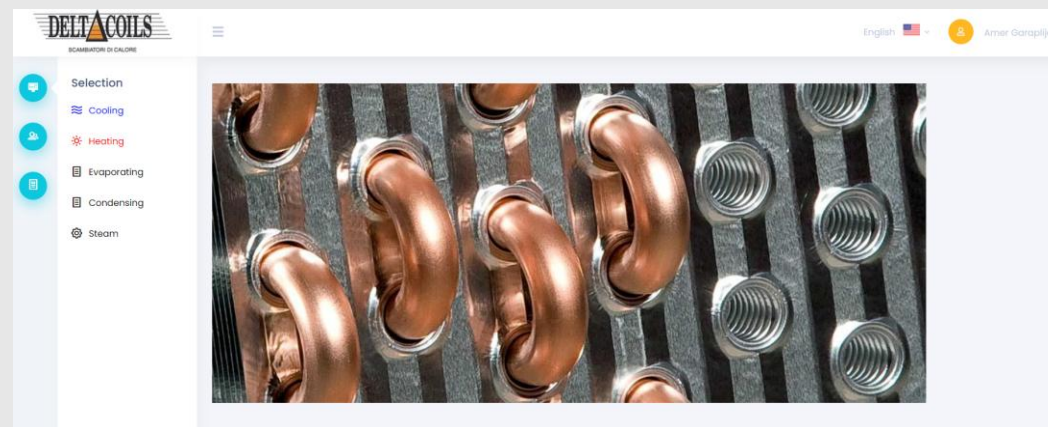
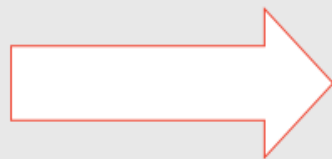
CLICK HERE

Log in

Enter the data

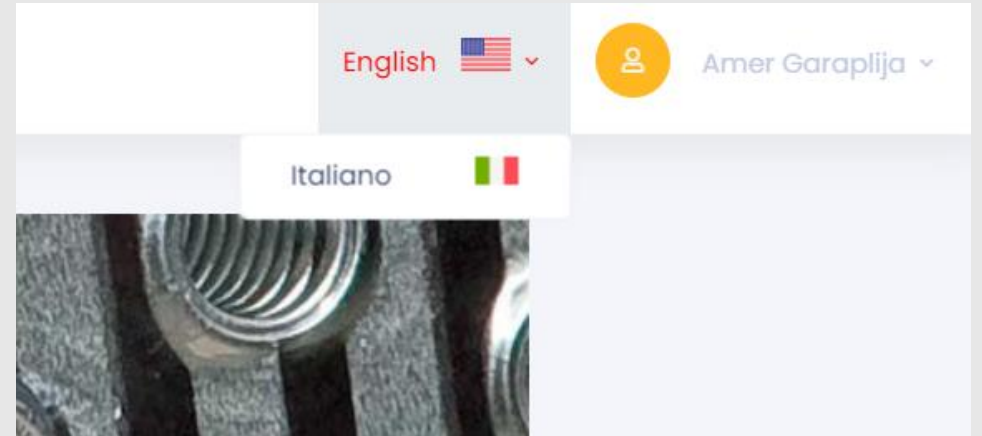
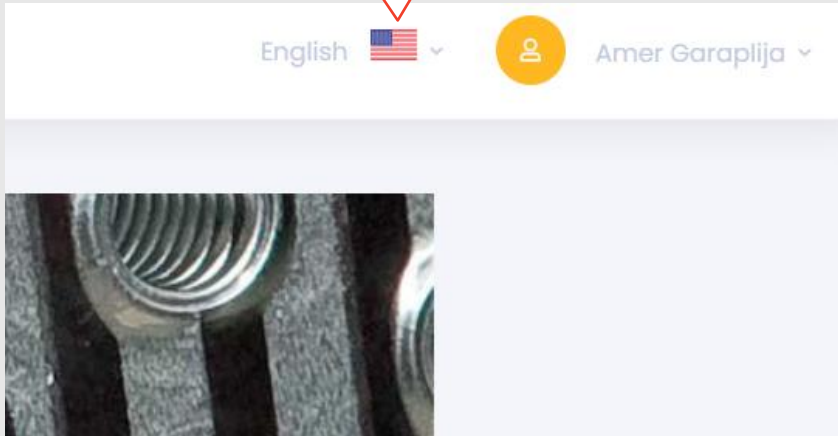


The login form features the Delta Coils logo at the top, followed by the heading "Let's Get Started DELTACOILS" and the instruction "Sign in to continue to Delta Coils." Below this are input fields for "Email" (containing "garaplija@ideaholding.net") and "Password" (masked with dots). There are checkboxes for "Remember me" and a link for "Forgot password?". A blue "Log In" button is prominently displayed, with a red callout box pointing to it that says "CLICK HERE". A "Create new account" link is visible at the bottom left.



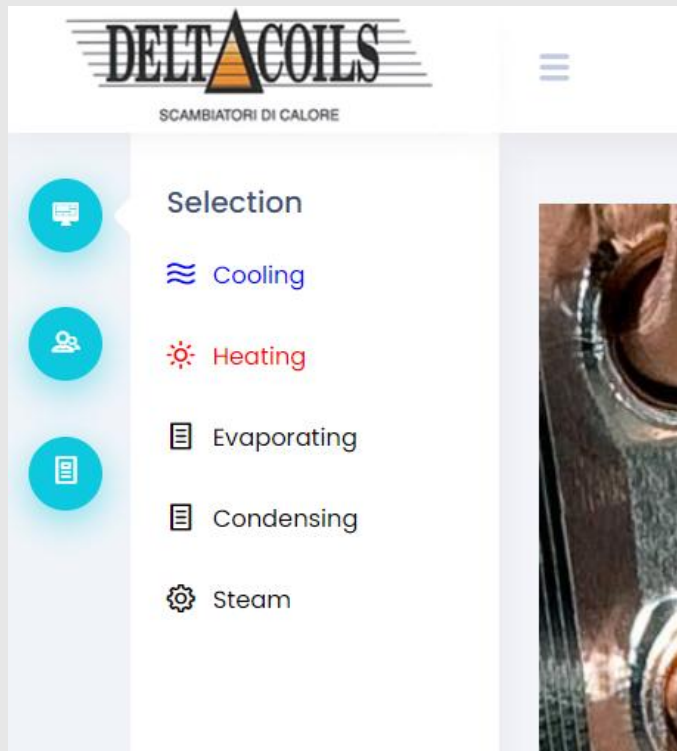
Changing languages

CLICK HERE

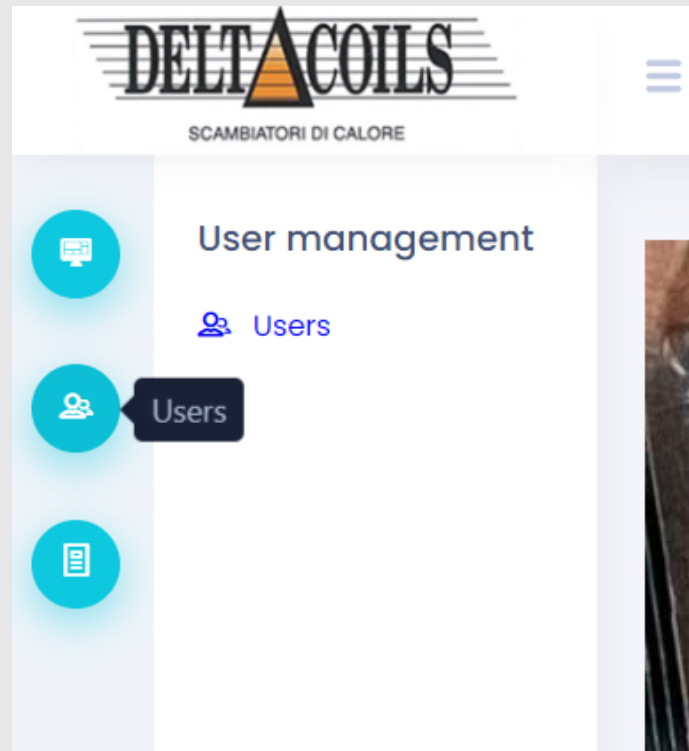


Main Menu

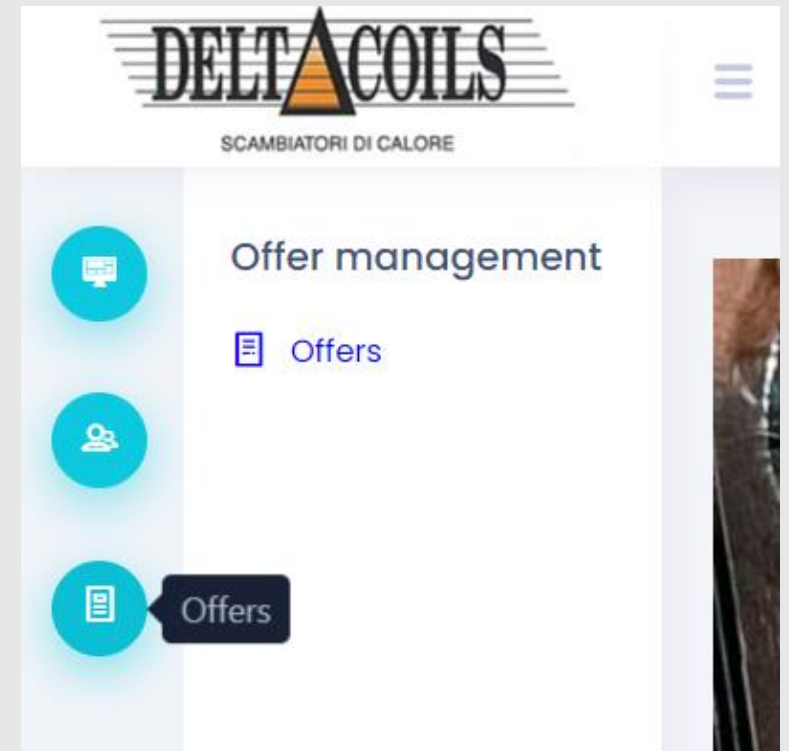
1 Selection calculation



2 User management



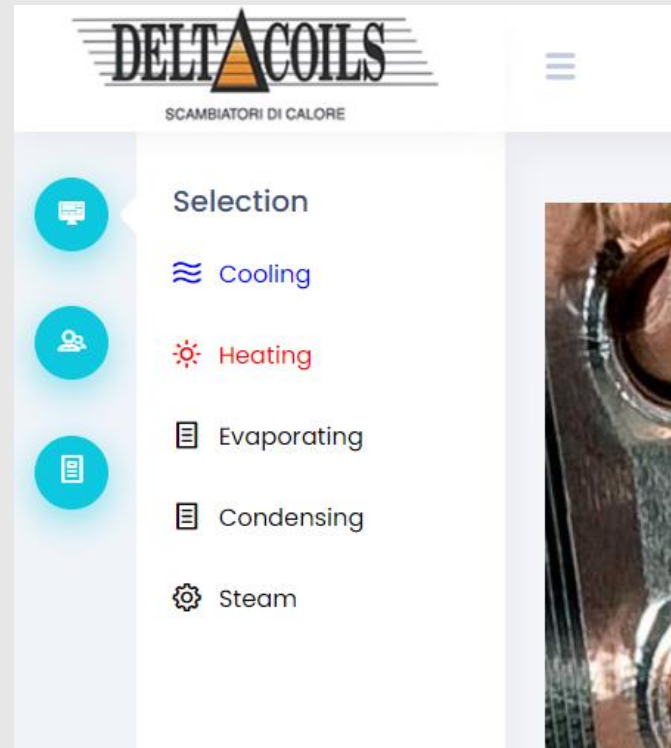
3 Offer management



Calculation

Software have 5 different calculation:

- Cooling
- Heating
- Evaporating
- Condensing
- Steam



Calculation

Select geometry, enter other data and click on button Calculate

DELTA COILS
SCAMBIATORI DI CALORE

English Amer Garaplija

Calculate Data-sheet + Drawing

Enter project name Save new offer Save existing offer

Air side

In air		Out air	
Dry bulb temp. [°C]	32	Dry bulb temp. [°C]	15
Wet bulb temp. [°C]	23.6	Frost tickness [mm]	
R.H. [%]	50		
Jin [kJ/kg]		Jout [kJ/kg]	
Altitude [m]	0	Condensation [lt/h]	
Flow rate [m³/h]	9000	Flow rate [kg/h]	10169
Air velocity [m/s]	2.5	Density [kg/m³]	1.13
Cooling capacity required [kW]			

Fluid side

Fluid type			
Water		In Temp. [°C]	7
		Out Temp. [°C]	12
		Flow rate [m³/h]	
		Maximum dp [kPa]	30

Dimensional and geometric data

Type of coils		Geometry	
Cooling		Select geometry	
Fins			
Type	C	Material	Al
Thick [mm]	0.100	Spacing [mm]	2.5
Tube			
Type	S	Material	Cu
Thick [mm]			
N. Tubes		Safety [%]	0
Height (B) [mm]	990	Headers n.	1
Rows N.		Volume [lt]	
Length (A) [mm]	1000	Weight [kg]	
Circuits N.			
Empty tubes [N.]			
Exchanger surface [m²]			

Code	R [%]	Qt [kW]	Qs [kW]	SHF	DB [°C]	R.H. [%]	Vel [m/s]	Dpa [Pa]	Twout [°C]	Vel [m/s]	Qw [m³/h]	Dpw [kPa]
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Calculation

Click here and get printout in PDF.

Click here and get Drawing data

You can save your offer as new or as existing offer

English Amer Guruplija

Calculate Data-sheet + Drawing

Enter project name Save new offer Save existing offer

Air side

In air		Out air	
Dry bulb temp. [°C]	28	Dry bulb temp. [°C]	15
Wet bulb temp. [°C]	19.9	Frost tickness [mm]	
R.H. [%]	48	Jout [kJ/kg]	
Jin [kJ/kg]		Condensation [lt/h]	
Altitude [m]	5		
Flow rate [m³/h]	5000	Flow rate [kg/h]	5750
Air velocity [m/s]	1.4	Density [kg/m³]	1.15
Cooling capacity required [kW]			

Fluid side

Fluid type		In Temp. [°C]	7
Ethilene Glycol 10%		Out Temp. [°C]	11
		Flow rate [m³/h]	
		Maximum dp [kPa]	29

Dimensional and geometric data

Type of coils		Geometry	
Cooling		25 x 21.65 3/8	
Fins			
Type	L	Material	Alp
Thick [mm]	0.150	Spacing [mm]	2.5
Tube			
Type	S	Material	Cu
Thick [mm]	0.35		
N. Tubes	40	Safety [%]	0
Height (B) [mm]		Headers n.	1
Rows N.	11	Volume [lt]	
Length (A) [mm]	1000	Weight [kg]	
Circuits N.	22		
Empty tubes [N.]			
Exchanger surface [m²]			

Code	R [%]	Qt [kW]	Qs [kW]	SHF	DB [°C]	R.H. [%]	Vel [m/s]	Dpa [Pa]	Twout [°C]	Vel [m/s]	Qw [m³/h]	Dpw [kPa]
25 x 21.65 3/8 - LS 40NT 11NR 1000A 2.5P 22NC	58	32.01	20.86	0.65	15	82	1.39	87.3	11	1.46	7.07	108

Result is here

Calculation – Drawing

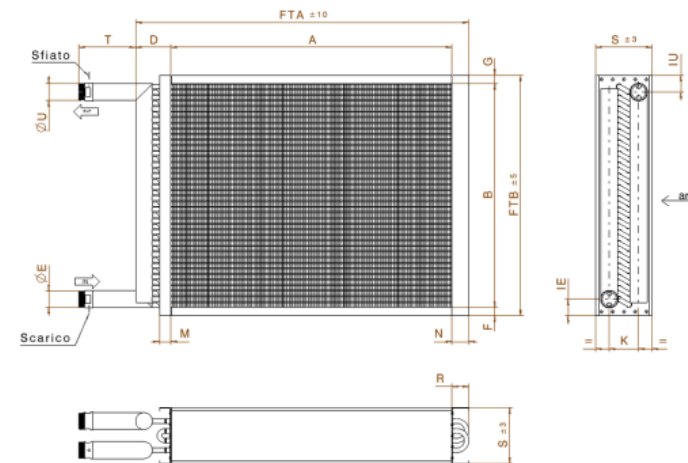
(**BE ATTENTION** : THE DRAWING IS ONLY A REFERENCE SKETCH AND NOT AN EXECUTIVE DRAWING)

You can change $\varnothing U$, and parameters will be recalculated.

Dimensions

FTA	1137	FTB	1084
A	1000	B	1000
M	40	N	22
F	42	G	42
D	63	T	150
R	60	K	65
IE	63	IU	63
$\varnothing E$	42	$\varnothing U$	42
S	150		

Drawing



Calculation - Datasheet

Click on button **Data-sheet** you get printout in PDF format:

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Print date: 7/30/2020 9:15:20 AM

DELTA COILS
SOLUZIONI CLIMATICHE

TECHNICAL DATASHEET
25 x 21.65 3/8 - LS 40NT 11NR 1000A 2.5P 22NC

Performance	Total capacity	32.01 kW	Tube side	Fluid	Ethilene Glycol 10%
	Sensible capacity	20.86 kW		Temperature In	7.0 C
	Reserve	58.3 %		Temperature Out	11.0 C
	Condensate	15.4 l/h		Flow rate	7.1 m ³ /h
General Data	Exchanging surface	178 m ²	Air side	Velocity	1.5m/s
	Volume	27 l		Pressure drop	108.1 kPa
	Weight	107.5 kg		Altitude	5 m
Tubes	Material	Cu	Temperature In	28.0 C	
	Thickness	0.35 mm	Rel. Humidity In	48 %	
Fins	Material	Alp	Temperature Out	15.0 C	
	Thickness	0.15 mm	Rel. Humidity Out	82 %	
Collectors	Material	Cu	Air flow rate	5000 m ³ /h	
	Material	FeZn	Density	1.15 kg/m ³	
Frame	Material	FeZn	Velocity	1.4 m/s	
	Thickness	1.5 mm	Pressure drop	87.3 Pa	

DIMENSIONAL DRAWING

	1000	B	1000
FTA	1137	FTB	1084
ØE	42"	ØU	42"
IE	63	IU	63
F	42	G	42
M	40	N	22
R	60	T	150
D	63	K	65
S	150		

DELTA COILS - Via dell'Artigianato, 18 38043 Camisano Vionovo (VI) - Italy Page 1 of 1

Multiple calculations in same time

Right click on mouse
and chose:
"Open in new tab"

The image shows a screenshot of the DELTA COILS website interface. The website has a logo at the top left and a navigation menu on the left side with icons for Selection, Cooling, Heating, Evaporating, Condensing, and Steam. The main content area displays a form for calculating heat exchanger requirements, with fields for air properties (dry bulb temp, wet bulb temp, R.H., etc.) and flow rates. A 'Calculate' button is visible on the right. A right-click context menu is open over the 'Calculate' button, showing options like 'Open link in new tab', 'Open link in new window', etc. Below the website screenshot, five browser tabs are shown, each labeled with a different calculation type: Cooling, Heating, Evaporating, Condensing, and Steam. The browser address bar shows the URL '52.236.164.115/DeltaCoils/Cooling'.

Category	Parameter	Value
In air	Dry bulb temp. [°C]	28
	Wet bulb temp. [°C]	19.9
	R.H. [%]	48
	Jin [kJ/kg]	
	Altitude [m]	5
Flow rate [m³/h]		5000
	Air velocity [m/s]	1.4
Flow rate [kg/h]		5750
	Density [kg/m³]	1.15
Cooling capacity required [kW]		

Selection

Calculate

Open link in new tab

Open link in new window

Open link in incognito window

Save link as...

Copy link address

Inspect Ctrl+Shift+I

Cooling

Heating

Evaporating

Condensing

Steam

Deltacoils x Deltacoils x Deltacoils x Deltacoils x Deltacoils x

Not secure | 52.236.164.115/DeltaCoils/Cooling

Offer Management

In this section user get all offers that he make and in this section he can edit offers, view offers or delete offers.

The screenshot displays the 'Offer management' section of the Deltacoils web application. The interface includes a search bar at the top of the table, a sidebar with navigation icons, and a top header with the Deltacoils logo and user information. The table lists various offers with their respective details.

Project name	Customer	Date create	Created by	
Mica	Deltacoils	6/2/2020 12:02:56 PM	Michela Motta	Edit Details Delete
Procedimento	Deltacoils	6/10/2020 2:01:21 PM	Amer Garaplija	Edit Details Delete
Mica_1	Deltacoils	6/15/2020 7:26:03 AM	Michela Motta	Edit Details Delete
Test204	Deltacoils	6/30/2020 1:42:32 PM	Michela Mottarubio	Edit Details Delete
Test205	Deltacoils	7/7/2020 8:01:50 AM	Amer Garaplija	Edit Details Delete
Test206	Deltacoils	7/7/2020 10:06:10 AM	User User	Edit Details Delete
Mica_2	Deltacoils	7/9/2020 12:34:08 PM	Michela Motta	Edit Details Delete
Test2	Deltacoils	7/10/2020 2:04:46 PM	Michela Mottarubio	Edit Details Delete
JAC - Refrattore con 107 00 0700 Mica	Deltacoils	7/13/2020 12:32:41 PM	Michela Motta	Edit Details Delete
JAC - Refrattore con 107 00 0700 Mica	Deltacoils	7/13/2020 12:37:30 PM	Michela Motta	Edit Details Delete
Test207	Deltacoils	7/14/2020 7:19:30 AM	Michela Mottarubio	Edit Details Delete
Test208	Deltacoils	7/14/2020 3:40:25 PM	Michela Mottarubio	Edit Details Delete
Test209	Deltacoils	7/21/2020 1:49:59 PM	Amer Garaplija	Edit Details Delete
Test 2010	Deltacoils	7/21/2020 2:46:19 PM	Michela Mottarubio	Edit Details Delete
Test2011	Deltacoils	7/22/2020 2:49:52 PM	Amer Garaplija	Edit Details Delete

Offer Management - Edit

Each Offer can have as much as we want saved calculations and in this section user can delete calculation which he wants.

Edit offer: final test amer

[Back to List](#) [Save](#)

Customer:

Created by:

Date create:

Offer code	Bateria	R [%]	Qt [kW]	Va [m/s]	Dpa [Pa]	DB [°C]	R.H. [%]	
12977	25 x 21.65 5/16 - LS 40NT 11NR 1000A 2.0P 16NC	73.5	514.43	11.7	3313.1	25.0	5	Edit Delete
12981	30 x 25.98 12mm - LR 33NT 11NR 1000A 3.2P 22NC	33.5	131.72	7.0	983.0	39.0	19	Edit Delete
12983	25 x 25 3/8 - LS 40NT 11NR 1000A 1.8P 22NC	62.6	106.36	4.7	532.1	41.0	13	Edit Delete
13049	25 x 21.65 3/8 - CS 40NT 3NR 1000A 2.5P 10NC	13.6	10.43	1.9	30.0	15.0	14	Edit Delete
13051	25 x 21.65 5/16 - CS 40NT 1NR 4000A 2.5P 10NC	11.2	3.29	0.1	0.2	15.0	19	Edit Delete
13053	25 x 21.65 3/8 - CS 40NT 1NR 4000A 2.5P 5NC	15.1	3.56	0.1	0.2	15.0	61	Edit Delete
13061	25 x 21.65 3/8 - CS 40NT 2NR 4000A 2.5P 40NC	40.4	116.99	0.7	4.7	25.0	5	Edit Delete
13063	25 x 21.65 5/16 - CS 40NT 2NR 5000A 2.5P 40NC	48.0	52.68	0.6	2.7	15.0	74	Edit Delete
13071	25 x 21.65 5/16 - CS 40NT 2NR 5000A 2.5P 8NC	50.7	26.12	0.3	1.0	38.0	14	Edit Delete
13073	25 x 21.65 3/8 - LS 40NT 1NR 5000A 1.8P 40NC	71.9	32.93	0.3	1.4	41.0	10	Edit Delete

Click here
to Edit or
Delete.

Offer Management - Edit

If you click on Edit calculation (slide before), the user opens a view where he can edit the already saved offer or do a completely new calculation

DELTA COILS
SCAMBIATORI DI CALORE

English Amer Garaplija

Selection

- Cooling
- Heating**
- Evaporating
- Condensing
- Steam

Calculate | Data-sheet | + Drawing

final test amer | Save new offer | Save existing offer

Air side

In air		Out air	
Dry bulb temp. [°C]	-8	Dry bulb temp. [°C]	25
Wet bulb temp. [°C]	-9.8		
R.H. [%]	48		
Jin [kJ/kg]		Jout [kJ/kg]	
Altitude [m]	0	Volume [t]	
Flow rate [m³/h]	42000	Flow rate [kg/h]	55860
Air velocity [m/s]	11.7	Density [kg/m³]	1.33
Cooling capacity required [kW]			

Fluid side

Fluid type	Ethilene Glycol 30%	In Temp. [°C]	80
		Out Temp. [°C]	70
		Flow rate [m³/h]	
		Maximum dp [kPa]	31

Dimensional and geometric data

Type of coils		Geometry	
Heating		25 x 21.65 5/16	
Fins			
Type	L	Material	Cu
Thick [mm]	0.150	Spacing [mm]	2
Tube			
Type	S	Material	Cu
Thick [mm]	0.30		
N. Tubes	40	Safety [%]	0
Height (B) [mm]		Headers n.	2
Rows N.	11	Volume [t]	
Length (A) [mm]	1000	Weight [kg]	
Circuits N.	16		
Empty tubes [N.]	1		
Exchanger surface [m2]			

Code	R [%]	Qt [kW]	DB [°C]	R.H. [%]	Vel [m/s]	Dpa [Pa]	Twout [°C]	Vel [m/s]	Qw [m³/h]	Dpw [kPa]
25 x 21.65 5/16 - LS 40NT 11NR 1000A 2.0P 16NC	73.5	514.43	25.0	5	11.7	3313.1	70.0	19.7	48.1	25141.4

Offer Management - Details

Details for offer: **final test amer**

Project name
final test amer

Customer
Deltacoils

Date create
2020-07-24T08:00:10

Created by
Amer Garaplija

Back to List Print offer Edit

Select the checkbox of the calculation you want to print

After, click on **Print offer** do get selected calculation in PDF.

Print	Offer code	Bateria						R.H. [%]
<input checked="" type="checkbox"/>	12977	25 x 21.65 5/16 - LS 40NT 11NR 1000A 2.0P 16NC						5
<input checked="" type="checkbox"/>	12991	30 x 25.98 12mm - LR 33NT 11NR 1000A 3.2P 22NC						19
<input checked="" type="checkbox"/>	12993	25 x 25 3/8 - LS 40NT 11NR 1000A 1.8P 22NC	62.0		2.1		41.0	13
<input checked="" type="checkbox"/>	13049	25 x 21.65 3/8 - CS 40NT 3NR 1000A 2.5P 10NC	13.6	10.43		30.0	15.0	14
<input checked="" type="checkbox"/>	13051	25 x 21.65 5/16 - CS 40NT 1NR 4000A 2.5P 10NC	11.2	3.29	0.1	0.2	15.0	19
<input checked="" type="checkbox"/>	13053	25 x 21.65 3/8 - CS 40NT 1NR 4000A 2.5P 5NC	15.1	3.56	0.1	0.2	15.0	61
<input checked="" type="checkbox"/>	13061	25 x 21.65 3/8 - CS 40NT 2NR 4000A 2.5P 40NC	40.4	116.99	0.7	4.7	25.0	5
<input checked="" type="checkbox"/>	13063	25 x 21.65 5/16 - CS 40NT 2NR 5000A 2.5P 40NC	48.0	52.68	0.6	2.7	15.0	74
<input checked="" type="checkbox"/>	13071	25 x 21.65 5/16 - CS 40NT 2NR 5000A 2.5P 8NC	50.7	26.12	0.3	1.0	38.0	14
<input checked="" type="checkbox"/>	13073	25 x 21.65 3/8 - LS 40NT 1NR 5000A 1.8P 40NC	71.9	32.93	0.3	1.4	41.0	10

Offer Management – PDF example

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Print date: 7/30/2020 10:06:29 AM

DELTA COILS
SOMMERHOF S.p.A.

Project name: final test amer
Customer: Deltacoils
Creation date: 7/24/2020 8:00:10 AM

This selection contains following units:

Offer code	Bateria	R [%]	Ql [kW]	Va [m/s]	Dopa [Pa]	DB [°C]	R.H. [%]
12977	25 x 21.65 5/16 - LS 40NT 11NR 1000A 2.0P 16NC	73.5	514.43	11.7	3313.1	25.0	5
12981	30 x 25.98 12mm - LR 33NT 11NR 1000A 3.2P 22NC	33.5	131.72	7.0	983.0	39.0	19
12983	25 x 25.3/8 - LS 40NT 11NR 1000A 1.8P 22NC	62.0	106.36	4.7	532.1	41.0	13
13049	25 x 21.65 3/8 - CS 40NT 3NR 1000A 2.5P 10NC	13.6	10.43	1.9	30.0	15.0	14
13051	25 x 21.65 5/16 - CS 40NT 1NR 4000A 2.5P 10NC	11.2	3.29	0.1	0.2	15.0	19
13053	25 x 21.65 3/8 - CS 40NT 1NR 4000A 2.5P 5NC	15.1	3.56	0.1	0.2	15.0	61
13061	25 x 21.65 3/8 - CS 40NT 2NR 4000A 2.5P 40NC	40.4	118.99	0.7	4.7	25.0	5
13063	25 x 21.65 5/16 - CS 40NT 2NR 5000A 2.5P 40NC	48.0	52.66	0.6	2.7	15.0	74
13071	25 x 21.65 5/16 - CS 40NT 2NR 5000A 2.5P 8NC	50.7	28.12	0.3	1.0	38.0	14
13073	25 x 21.65 3/8 - LS 40NT 1NR 5000A 1.8P 40NC	71.9	32.93	0.3	1.4	41.0	10

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Print date: 7/30/2020 10:06:29 AM

DELTA COILS
SOMMERHOF S.p.A.

TECHNICAL DATASHEET
25 x 21.65 5/16 - LS 40NT 11NR 1000A 2.0P 16NC

Performance	Total capacity	514.43 kW	Tube side	Fluid	Ethilene Glycol 30%
	Sensible capacity	514.43 kW		Temperature In	80.0 C
	Reserve	73.5 %		Temperature Out	70.0 C
	Condensate	0.0 l/h		Flow rate	48.1 m3/h
	Exchanging surface	227 m2		Velocity	19.7m/s
	Volume	19 l		Pressure drop	25141.4 kPa
	Weight	225.9 kg		Altitude	0 m
				Temperature In	-8.0 C
				Rel. Humidity In	48 %
				Temperature Out	25.0 C
				Rel. Humidity Out	5 %
				Air flow rate	42000 m3/h
				Density	1.33 kg/m3
				Velocity	11.7 m/s
				Pressure drop	3313.1 Pa

General Data

Exchanging surface	227 m2
Volume	19 l
Weight	225.9 kg

Tubes

Material	Cu
Thickness	0.3 mm

Fins

Material	Cu
Thickness	0.15 mm

Collectors

Material	Cu
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Frame

Material	FeZn
Thickness	1.5 mm

DIMENSIONAL DRAWING

A	1000	B	1000
FTA	1203	FTB	1084
OE	108	OU	108
IE	96	IU	96
F	42	G	42
N	40	M	16
R	60	T	150
D	96	K	65
S	150		

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Print date: 7/30/2020 10:06:29 AM

DELTA COILS
SOMMERHOF S.p.A.

TECHNICAL DATASHEET
30 x 25.98 12mm - LR 33NT 11NR 1000A 3.2P 22NC

Performance	Total capacity	131.72 kW	Tube side	Refrigerant	R513A
	Sensible capacity	0.00 kW		Hot Gas Temp	75.0 C
	Reserve	33.5 %		Tc Condensing temp	49.0 C
	Condensate	0.0 l/h		Subcooling Temp	46.0 C
	Exchanging surface	164 m2		Liquid Temp	46.0 K
	Volume	35 l		Flow rate	2826 m3/h
	Weight	100.8 kg		Pressure drop	64.9 kPa
	Material	CuR		Pressure drop	1.5 K
	Thickness	0.43 mm		Altitude	0 m
				Temperature In	23.0 C
				Rel. Humidity In	48 %
				Temperature Out	39.0 C
				Rel. Humidity Out	19 %
				Air flow rate	25000 m3/h
				Density	1.18 kg/m3
				Velocity	7.0 m/s
				Pressure drop	983.0 Pa

General Data

Exchanging surface	164 m2
Volume	35 l
Weight	100.8 kg

Tubes

Material	CuR
Thickness	0.43 mm

Fins

Material	Alp
Thickness	0.12 mm

Collectors

Material	Cu
----------	----

Frame

Material	FeZn
Thickness	1.5 mm

DIMENSIONAL DRAWING

A	1000	B	990
FTA	1149	FTB	1074
OE	54	OU	35
IE	59.5	IU	59.5
F	42	G	42
M	33	N	22
R	60	T	150
S	59.5	K	65
	150		

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