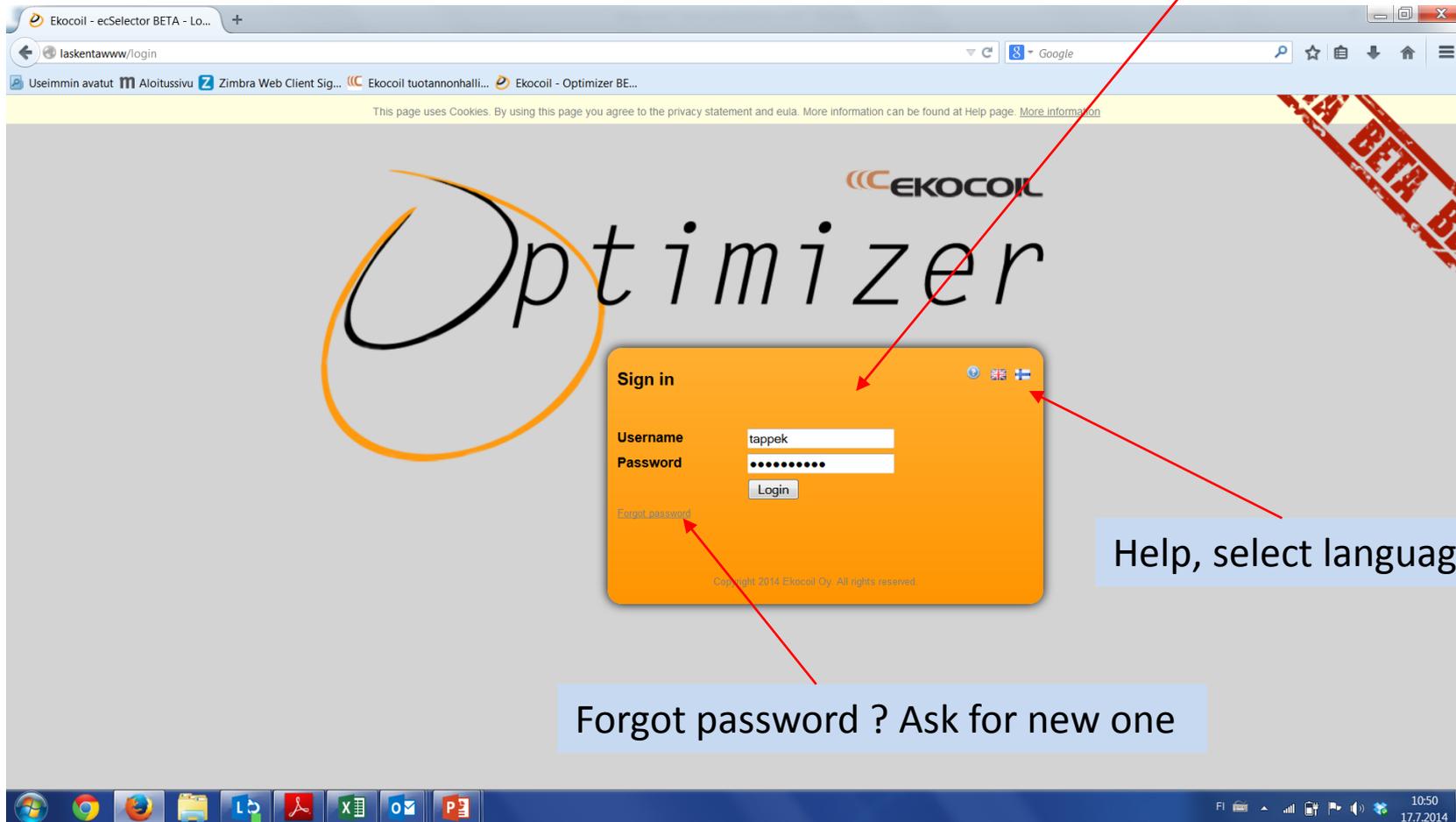


Ekocoil Optimizer

Login with passwords you received from Ekocoil

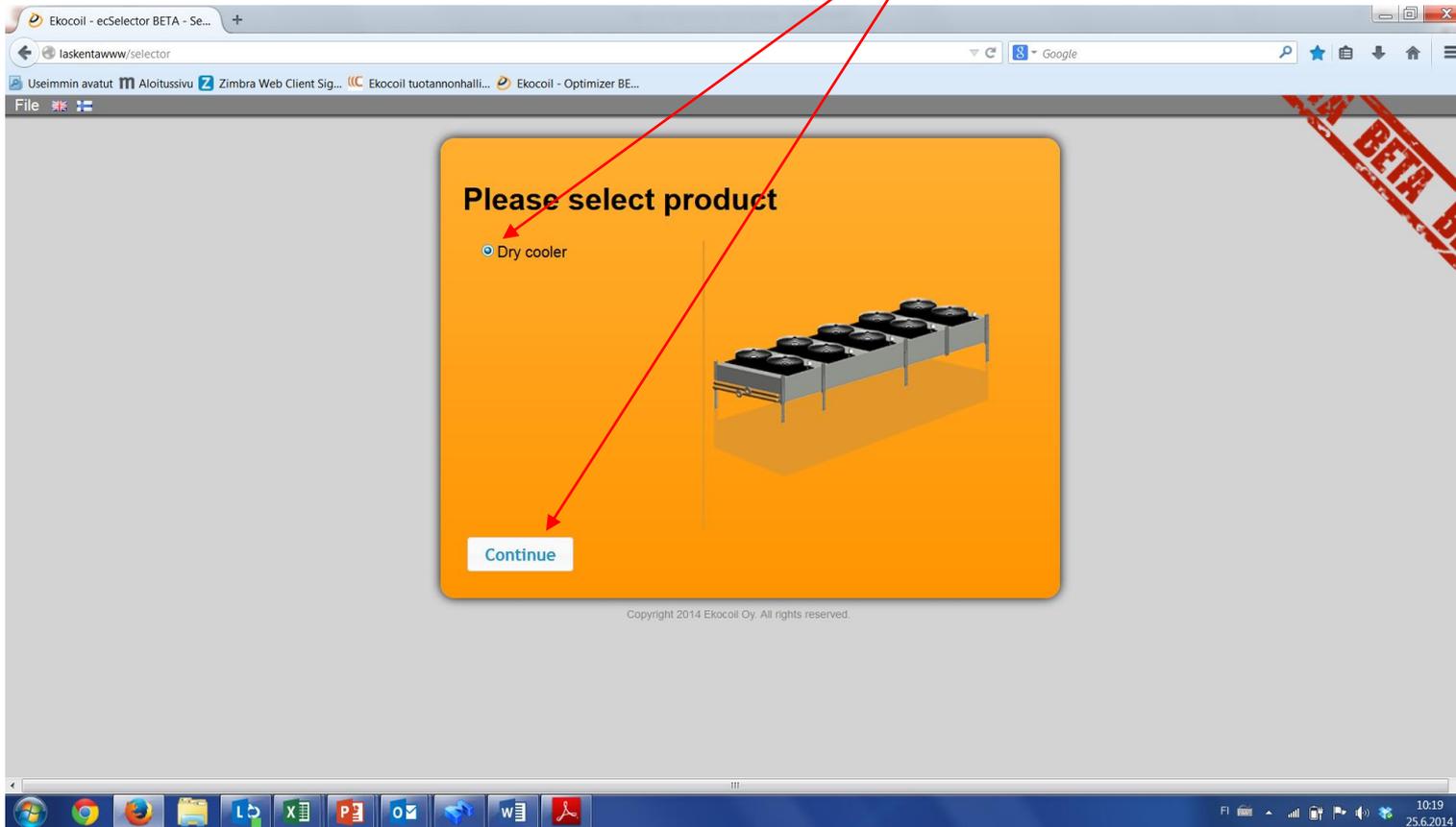


Help, select language

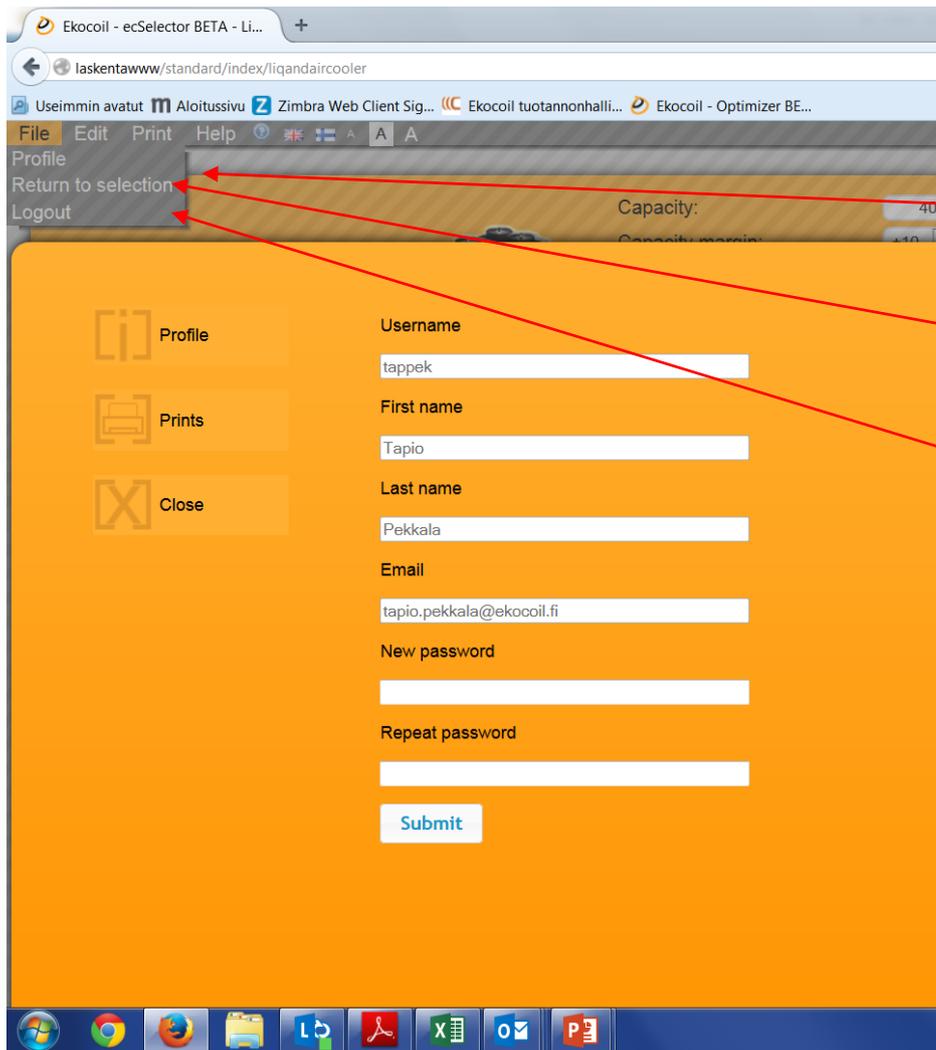
Forgot password ? Ask for new one

Ekocoil Optimizer

Select product group and continue to dimensioning



Ekocoil Optimizer



Change your password

Return to previous page

Logout

Ekocoil Optimizer

Clear the screen for new calculation

Start simulation of selected product

Allow fan speed to be varied in order to find the optimal solution.
Useful f.ex. to reach low noise levels



Ekocoil Optimizer

Print to selected printer



Ekocoil Optimizer

1. select product type / types

laskentawww/standard/index/liqanda/choose

Useimmin avatut Aloitusivu Outotskot Panda Cloud Logi...

ECH ECV

Select type first

ECH ECV EHL

Sort by: Price

Fan motor type: AC EC

		SELECT													
TYPE															
Capacity	KW														
Capacity deviation	%														
Fan speed of max	%														
Dimensions	mm														
Air flow	m³/s														
Outlet air	°C														
Outlet liquid	°C														
Liquid flow	l/s														
	kg/s														
Liquid pressure drop	kPa														
Sound pressure level 10m	dB(A)														
Connection size	DN														
Fan motor type															
Phase current nominal	A														
Phase current max	A														
Number of fans	pcs														
Relative price	%														

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2. Select sorting according to price, power, dimensions etc

3. Give input values, select fin spacing and options

4. Press "Calculate"

		SELECT	SELECT														
TYPE		ECH	EC														
Capacity	kW	297	298	306	304	297	300	305	300	303	305	301	304	301	306	305	29
Capacity deviation	%	99	99	102	101	99	100	101	100	101	101	100	101	100	102	101	99
Fan speed of max	%	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	10
Dimensions	mm	5500x1800	5400x2200	5400x2200	6600x2200	5400x2200	5400x2200	6600x2200	5500x1800	6600x2200	82						
Air flow	m³/s	37.3	47.8	47.3	42.5	29.7	29.3	32.6	40.2	28.5	28	28.2	27.8	42	26.5	26	25
Outlet air	°C	36.9	35.3	35.6	36.1	38.7	38.9	38.1	36.4	39.2	39.5	39.3	39.5	36.2	40	40.2	40
Outlet liquid	°C	36	36	36	36	36	36	36	35.9	35.9	36	35.9	36	36	36	35.9	35
Liquid flow	l/s	13	12.9	13.2	13.2	12.8	13	13.3	12.9	13	13.2	12.9	13.1	13.1	13.2	13.1	12
	kg/s	13.5	13.4	13.7	13.8	13.3	13.5	13.8	13.3	13.5	13.7	13.4	13.6	13.6	13.8	13.6	13
Liquid pressure drop	kPa	45.4	45.6	45.8	41.1	47.1	45.6	48.8	46.3	43.2	44.1	42.7	43.6	40.1	45.3	45.5	46
Sound pressure level 10m	dB(A)	58	59	59	58	57	57	50	56	51	51	50	50	55	50	50	45
Connection size	DN	DN100	DN100														
Fan motor type		EC	EC	EC	AC	AC	AC	EC	EC	AC	AC						
Phase current nominal	A	22	26.4	26.4	21.6	16.2	16.2	11.2	22	14.4	14.4	17.8	17.8	27.2	17.8	17.8	10
Phase current max	A	22	26.4	26.4	25.6	19.2	19.2	11.2	22	17.6	17.6	21.6	21.6	32.8	21.6	21.6	12
Number of fans	pcs	5	6	6	8	6	6	8	5	8	8	8	8	8	8	8	10
Relative price	%	100	107	108	109	112	117	118	118	133	136	137	138	140	146	151	16

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5. Select product

6. Print, simulate or ask for quotation

Options:

- Painting
- Water spray system
- Junction box with frequency controller
- Safety switch

Calculate

Print Simulate Quotation

	(SELECT)	(SELECT)	(SELECT)														
TYPE	ECH	ECH	EC														
Capacity	297	298	306	304	297	300	305	300	303	305	301	304	301	306	305	29	
Capacity deviation	99	99	102	101	99	100	101	100	101	101	100	101	100	102	101	99	
Fan speed of max	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	10	
Dimensions	5500x1800	5400x2200	5400x2200	6600x2200	5400x2200	5400x2200	6600x2200	5500x1800	6600x2200	82							
Air flow	37.3	47.8	47.3	42.5	29.7	29.3	32.6	40.2	28.5	28	28.2	27.8	42	26.5	26	25	
Outlet air	36.9	35.3	35.6	36.1	38.7	38.9	38.1	36.4	39.2	39.5	39.3	39.5	36.2	40	40.2	40	
Outlet liquid	36	36	36	36	36	36	36	35.9	35.9	36	35.9	36	36	36	35.9	35	
Liquid flow	13	12.9	13.2	13.2	12.8	13	13.3	12.9	13	13.2	12.9	13.1	13.1	13.2	13.1	12	
Liquid pressure drop	13.5	13.4	13.7	13.8	13.3	13.5	13.8	13.3	13.5	13.7	13.4	13.6	13.6	13.8	13.6	13	
Sound pressure level 10m	58	59	59	58	57	57	50	56	51	51	50	50	55	50	50	45	
Connection size	DN100	DN100															
Fan motor type	EC	EC	EC	AC	AC	AC	EC	AC	AC								
Phase current nominal	22	26.4	26.4	21.6	16.2	16.2	11.2	22	14.4	14.4	17.8	17.8	27.2	17.8	17.8	10	
Phase current max	22	26.4	26.4	25.6	19.2	19.2	11.2	22	17.6	17.6	21.6	21.6	32.8	21.6	21.6	12	
Number of fans	5	6	6	8	6	6	8	5	8	8	8	8	8	8	8	10	
Relative price	100	107	108	109	112	117	118	118	133	136	137	138	140	146	151	16	

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Simulation inputs

Fin spacing Inlet air °C
Air pressure kPa Inlet air moisture %
No. circuits pcs Liquid
Inlet liquid °C Concentration %
Liquid flow l/s Fan speed of max %

Sound level measuring point

Distance from the front m
Distance from the side m

Simulation results

	New	Previous	
Capacity	<input type="text" value="284"/>	<input type="text" value="297"/>	kW
Air flow	<input type="text" value="33.6"/>	<input type="text" value="37.3"/>	m ³ /s
Outlet air	<input type="text" value="37.3"/>	<input type="text" value="36.9"/>	°C
Outlet liquid	<input type="text" value="36.3"/>	<input type="text" value="36"/>	°C
Liquid flow	<input type="text" value="13"/>	<input type="text" value="13"/>	l/s
Liquid pressure drop	<input type="text" value="45.6"/>	<input type="text" value="45.4"/>	kPa
Sound pressure level 10m	<input type="text" value="56"/>	<input type="text" value="58"/>	dB(A)
Connection size	<input type="text" value="DN100"/>	<input type="text" value="DN100"/>	DN

Calculate

Print

Close

7. Simulate performance of the selected product by varying input values

8. See simulation results compared to previous results