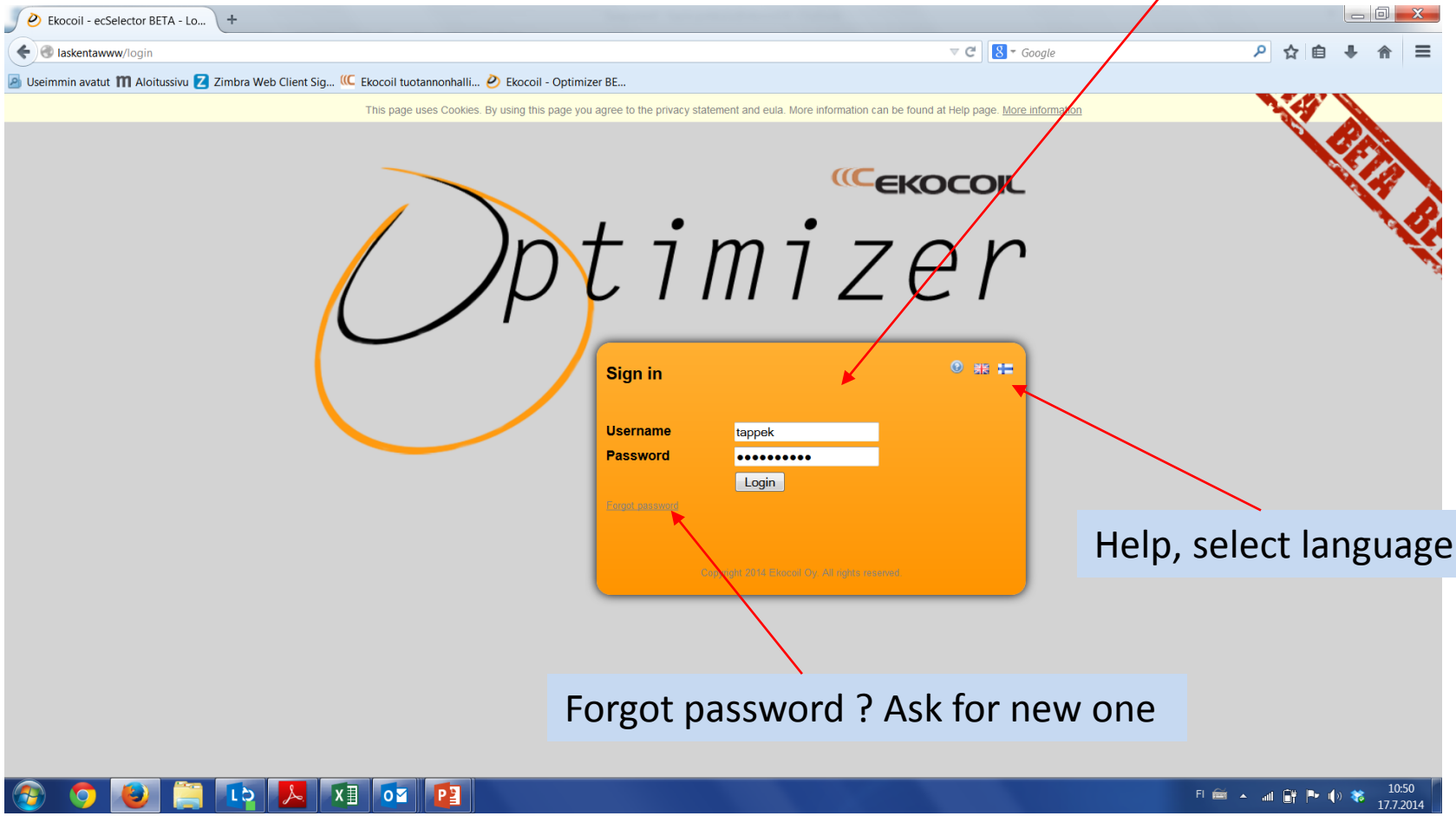
Ekocoil Optimizer

Login with passwords you received from Ekocoil



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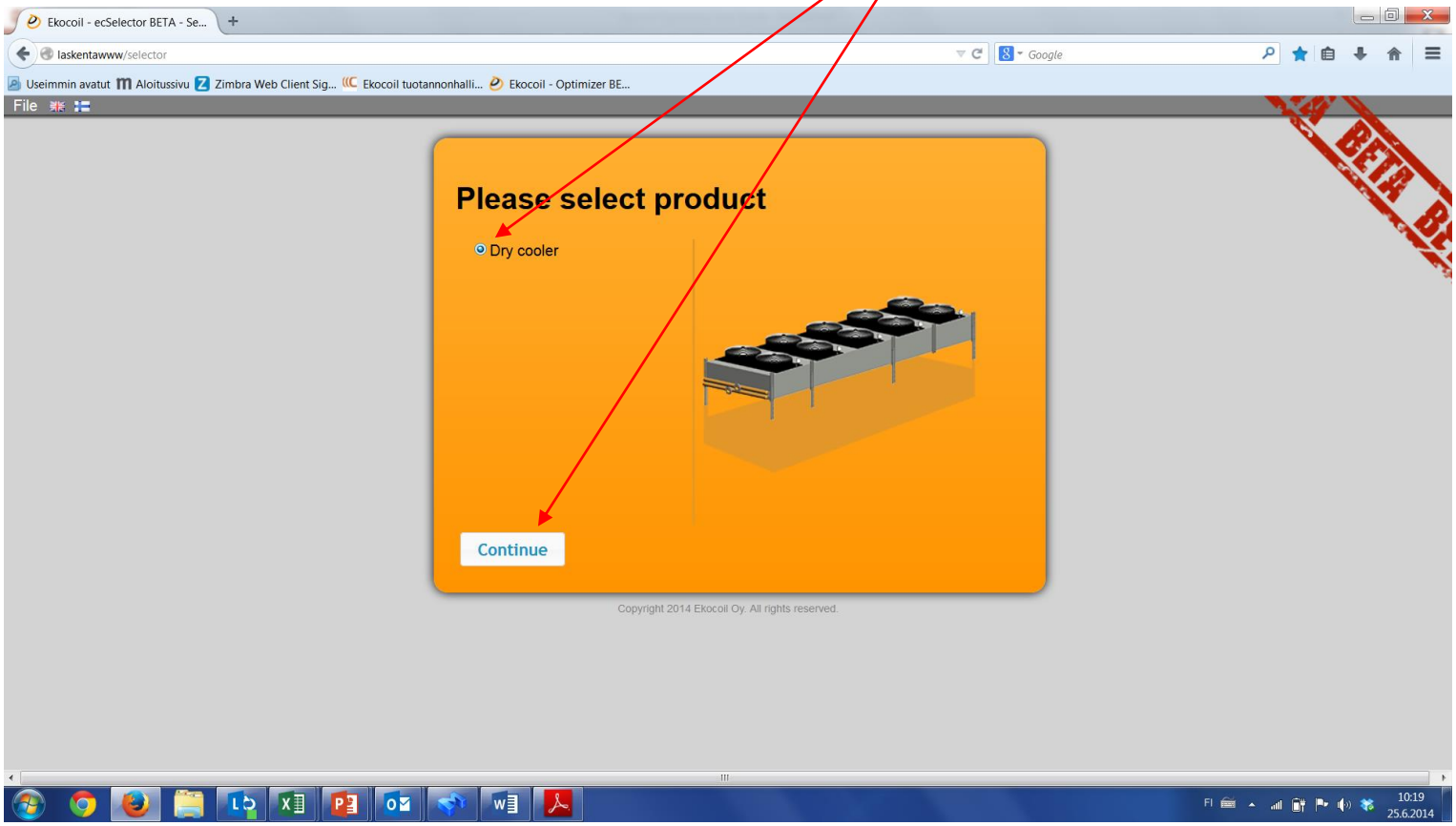
Select product group and continue to dimensioning



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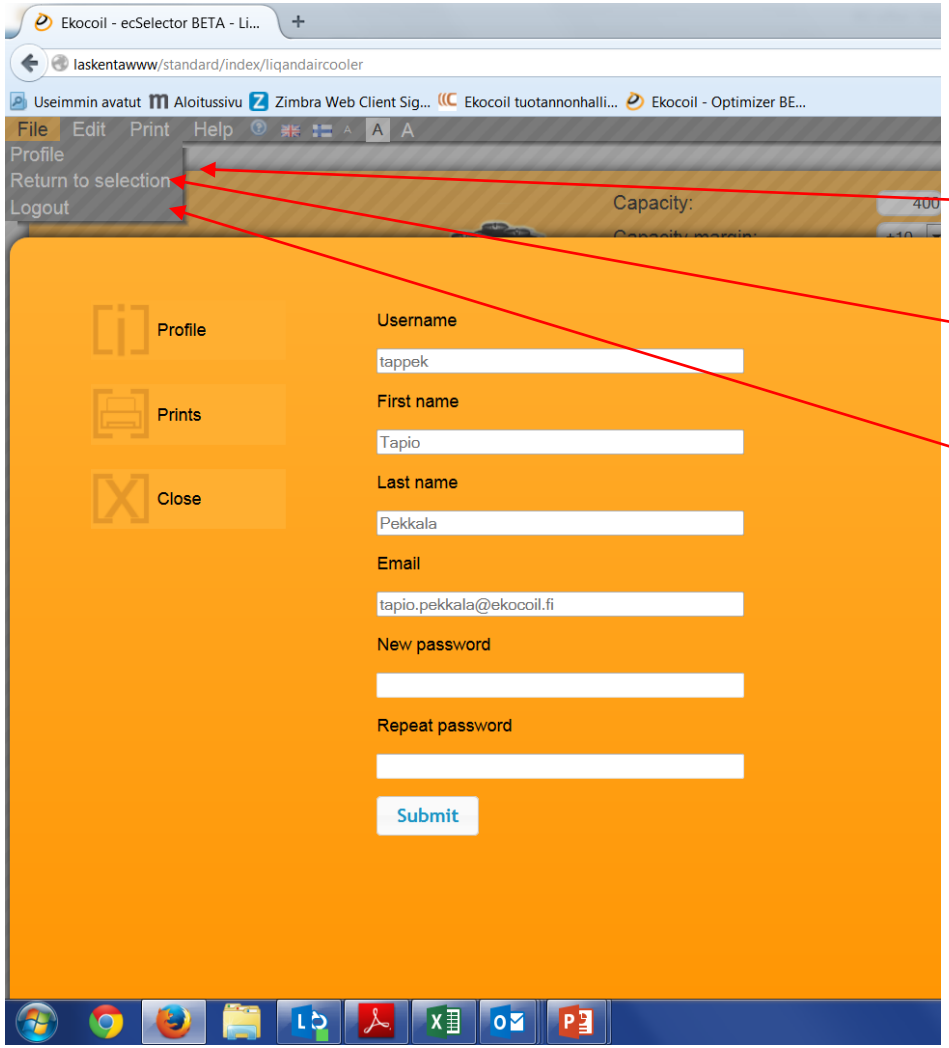

Change your password

Return to previous page

Logout

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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 noice levels

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Print to selected printer

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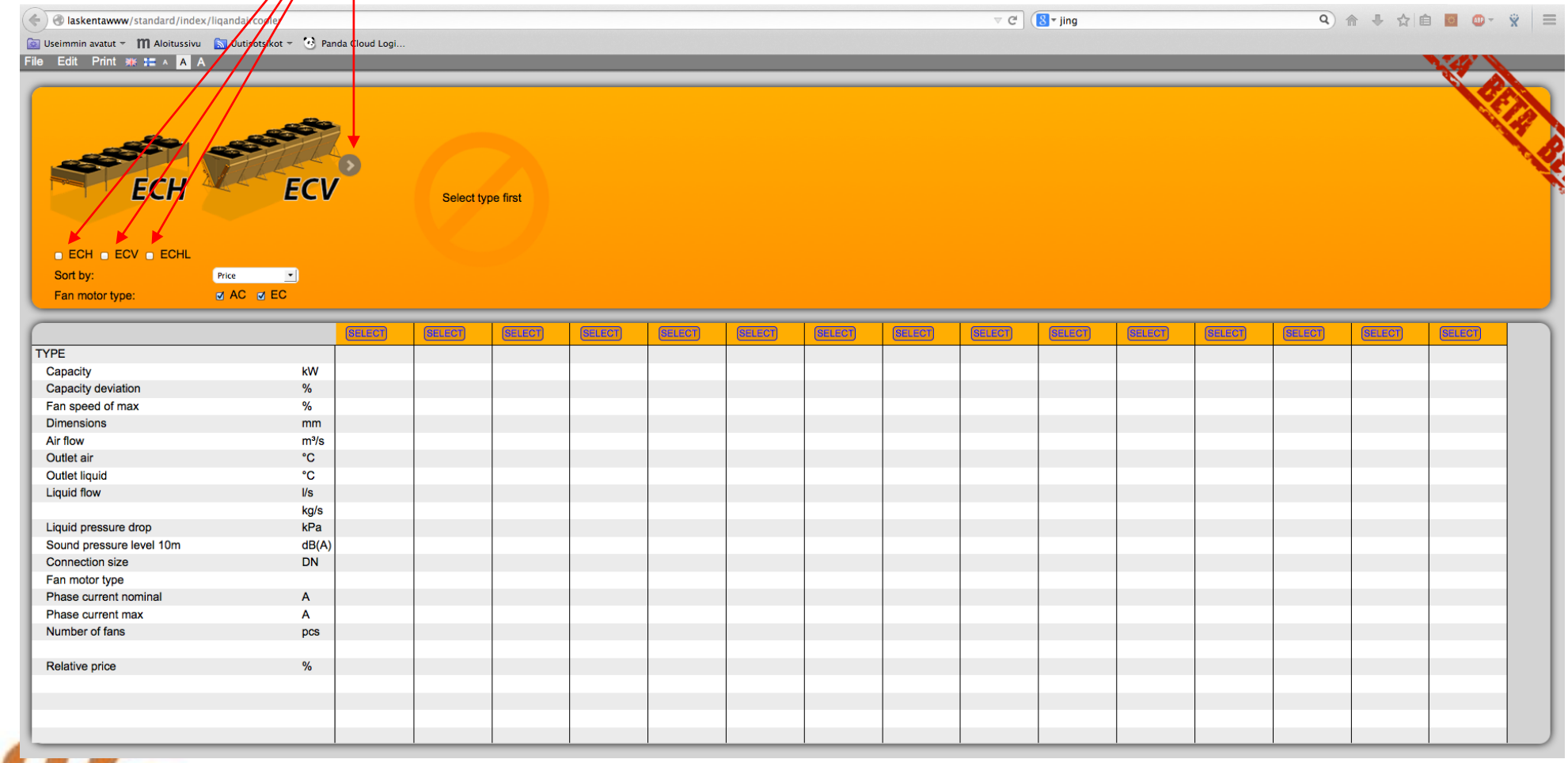
1. select product type / types



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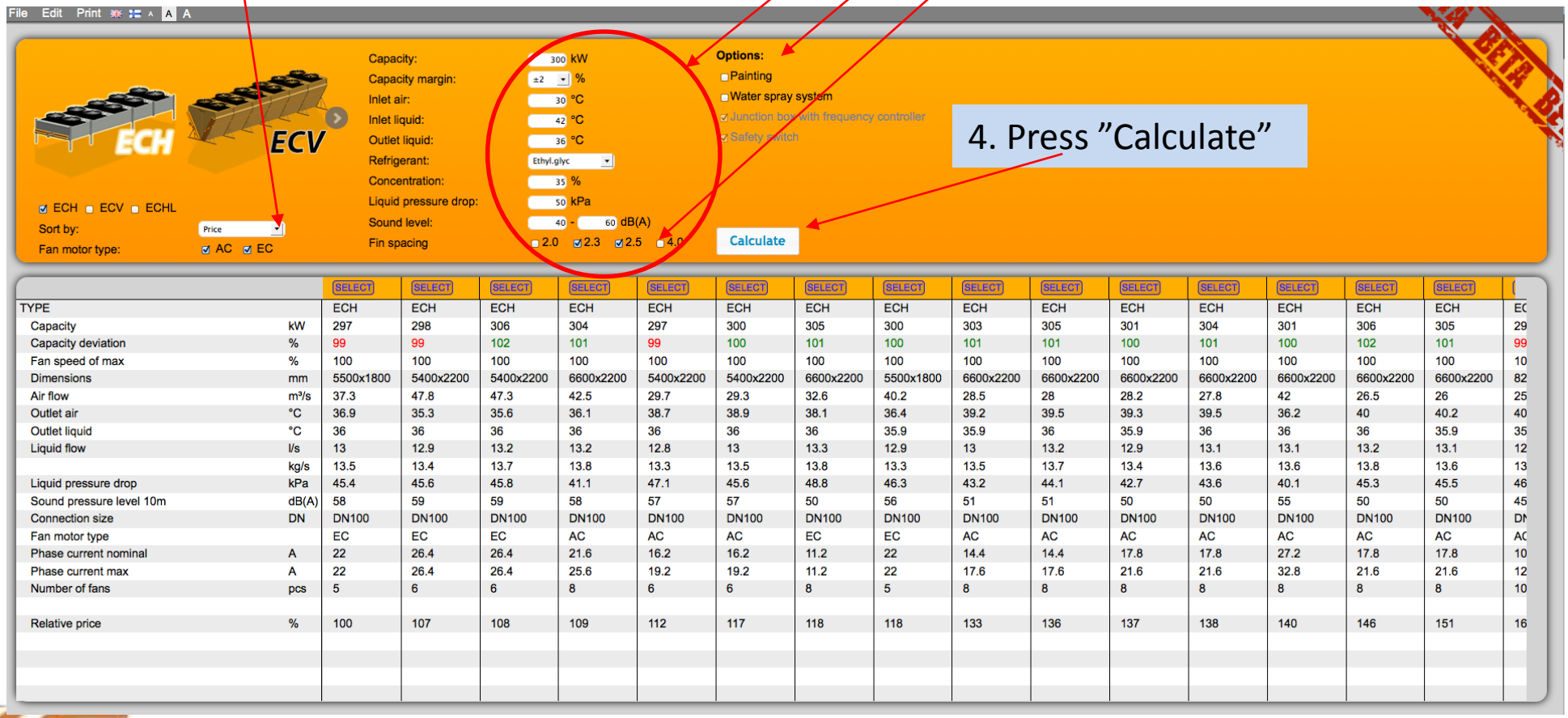
2. Select sorting according to price, power, dimensions etc

3. Give input values, select fin spacing and options



4. Press ”Calculate”

		SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	
TYPE		ECH	ECH	ECH	ECH	ECH	ECH	ECH	ECH	ECH	ECH	ECH	ECH	ECH	ECH	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	6600x2200	6600x2200	6600x2200	6600x2200	6600x2200	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	DN100	DN100	DN100	DN100	DN100	DN100	DN100	DN100	DN100	DN100	DN100	DN100	DN100	DN
Fan motor type		EC	EC	EC	AC	AC	AC	EC	EC	AC	AC	AC	AC	AC	AC	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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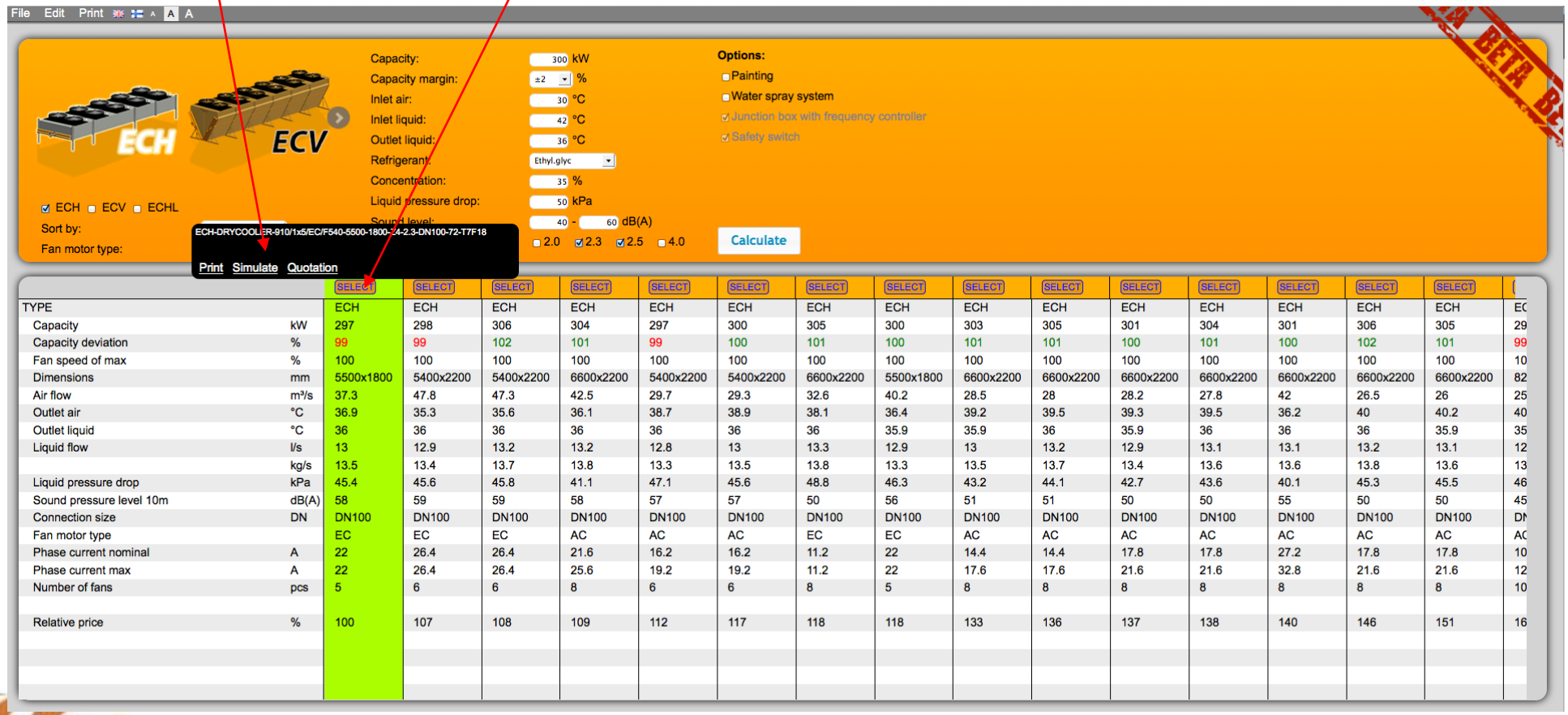
5. Select product

6. Print, simulate or ask for quotation



		SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	
TYPE		ECH	ECH	ECH	ECH	ECH	ECH	ECH	ECH	ECH	ECH	ECH	ECH	ECH	ECH	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	6600x2200	6600x2200	6600x2200	6600x2200	6600x2200	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	DN100	DN100	DN100	DN100	DN100	DN100	DN100	DN100	DN100	DN100	DN100	DN100	DN100	DN
Fan motor type		EC	EC	EC	AC	AC	AC	EC	EC	AC	AC	AC	AC	AC	AC	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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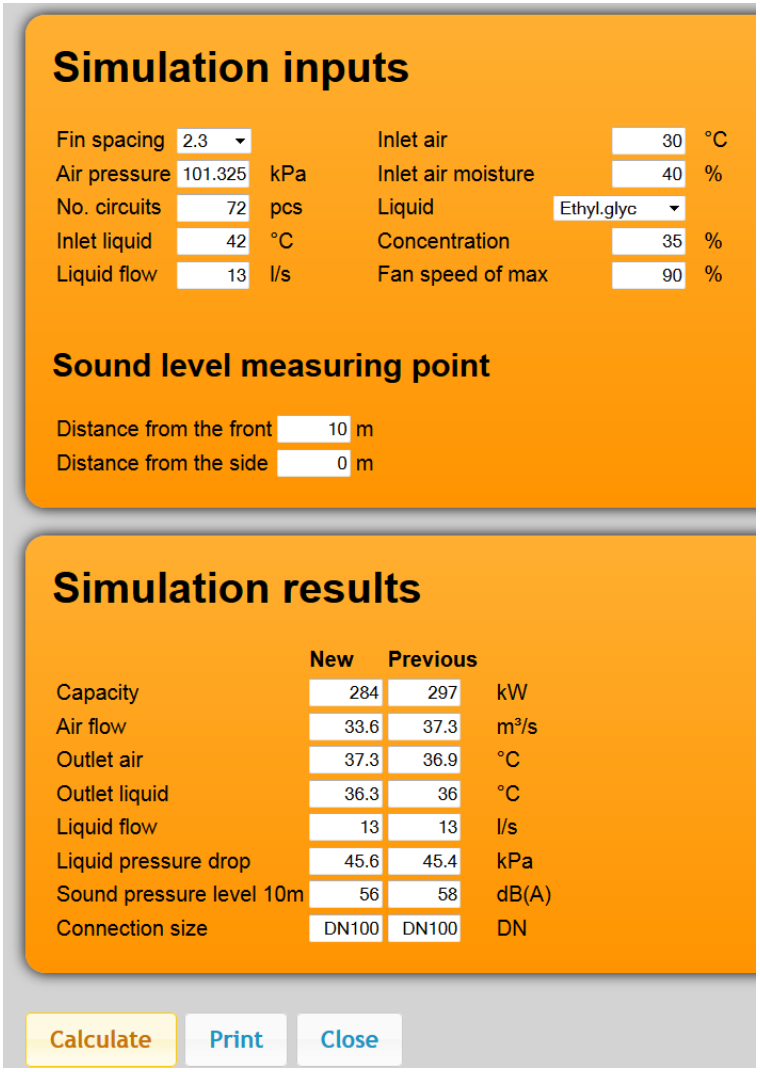

7. Simulate performance of the selected product by varying input values

8. See simulation results compared to previous results

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