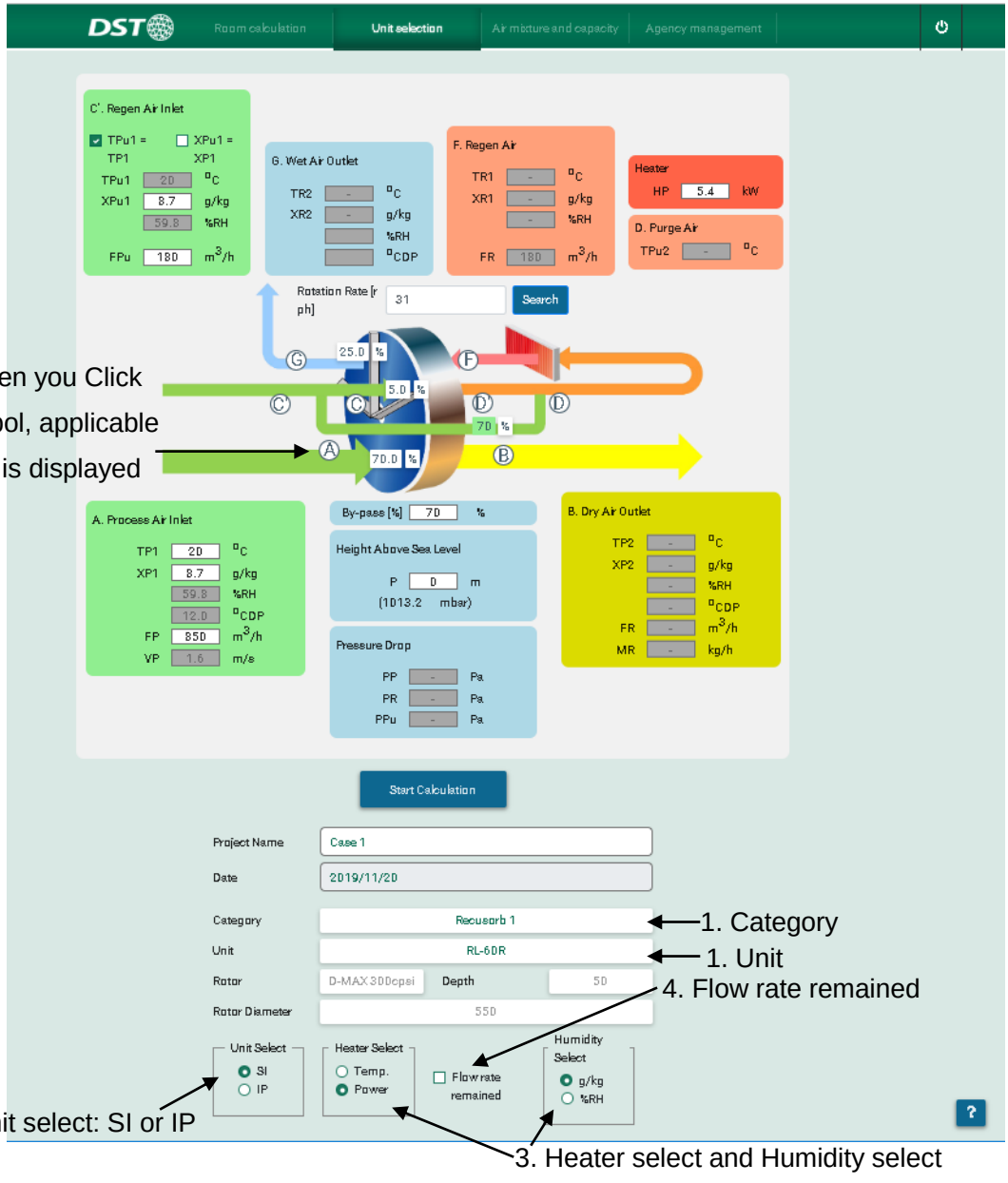
Manual of Unit selection

This program is supported by browser of Microsoft Edge and Google Chrome.

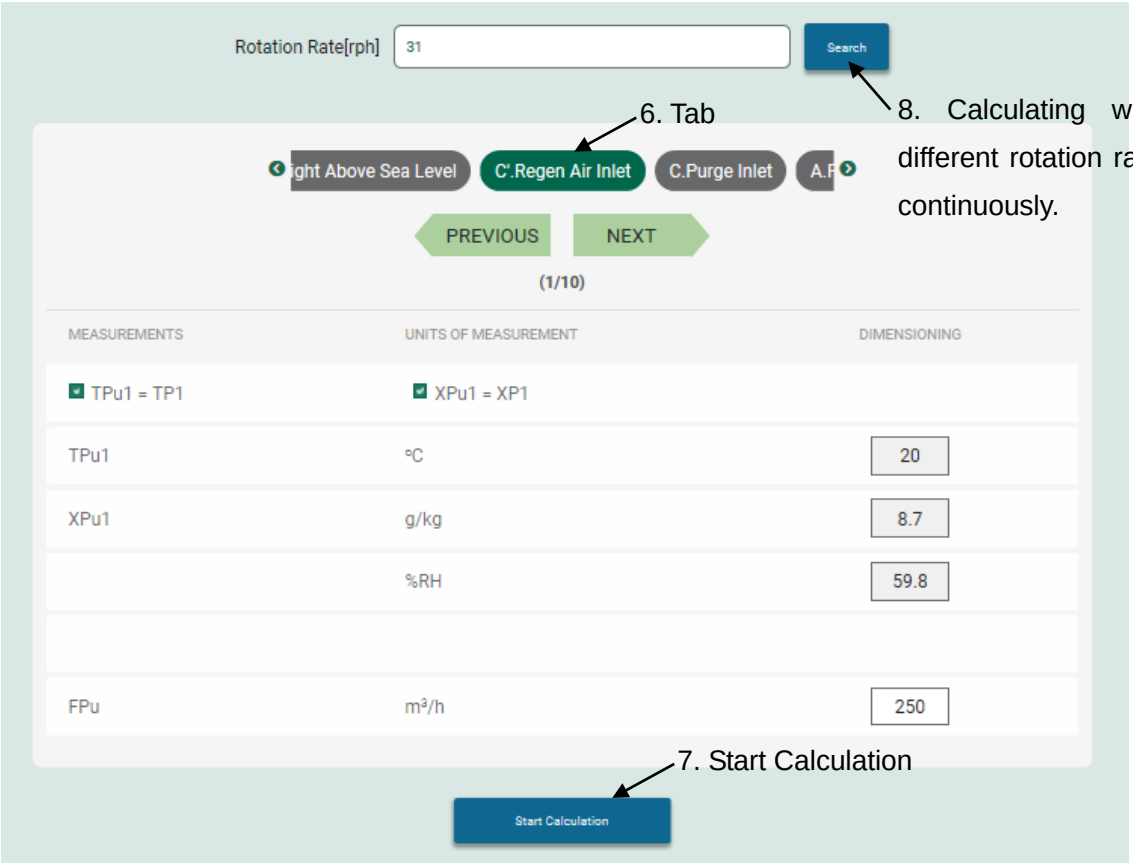
On this page you can get the unit performance, which is Dry Air Outlet, Wet Air Outlet and Pressure Drop.

1. Input Project Name and select the category and unit.

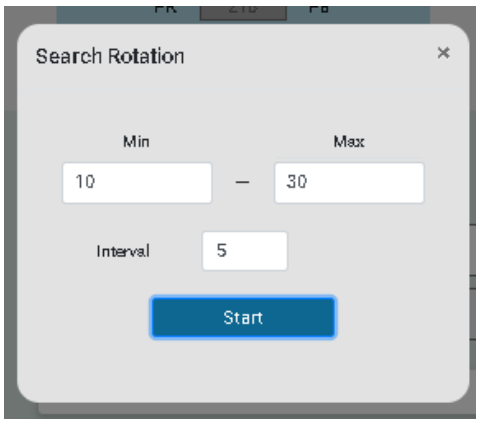


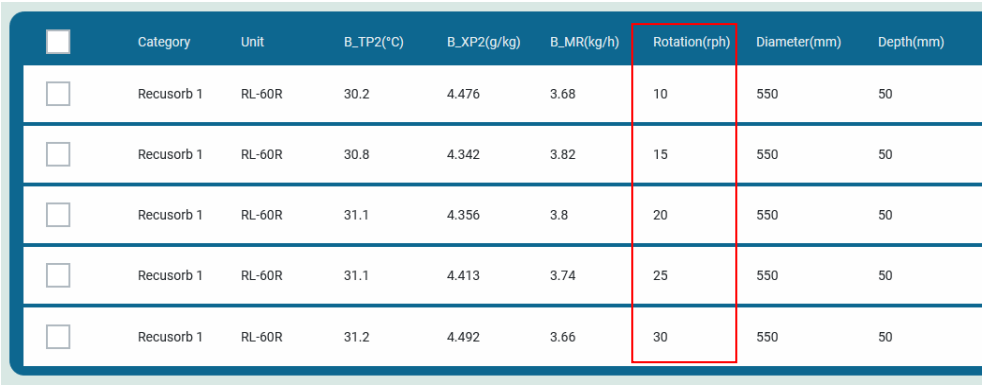
2. Select Europe SI (default) or US IP units at “Unit select”.
3. Choose between regen temperature or regen power (default) at “Heater select”, and between g/kg (default) or %RH at “Humidity select”
4. When you check the ”Flow rate remained” box, even if you change unit, Process Air Inlet flow rate (FP) is same value.
5. If installation is on high level, write in on “Height Above Sea Level”

6. Input the Inlet condition of Process Air Inlet, Regen Air Inlet and Heater power or temperature. By default the program choose regen inlet at the same as process inlet, to change that uncheck the box for it.
   You can input the value not only textboxes around the flow chart, but also tabs.
7. Click “Start Calculation” button, same function on the one at the flow chart and the one below the tabs.



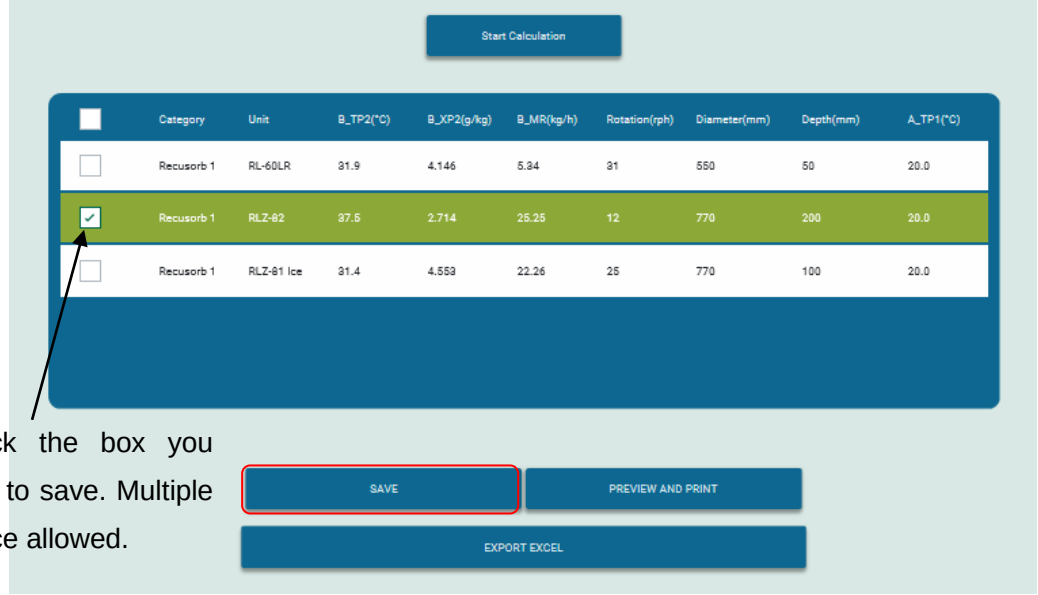
8. If you want to calculate with different rotation rate continuously, click “Search” button. Please input rotation range and interval to Search Rotation pop-up screen. The result from “Search” function is shown on the table like this;





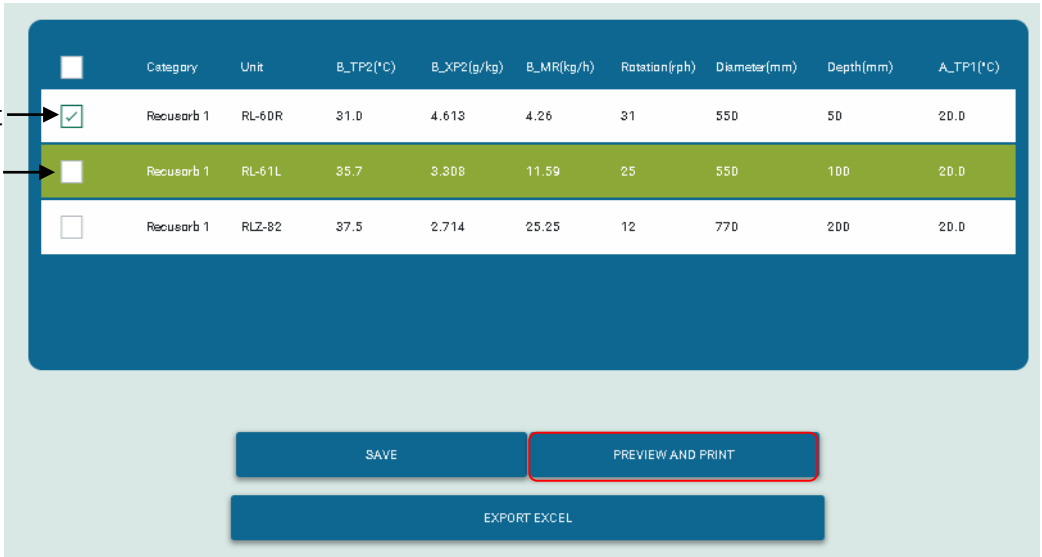
	Category	Unit	B_TP2(°C)	B_XP2(g/kg)	B_MR(kg/h)	Rotation(rph)	Diameter(mm)	Depth(mm)
☐	Recusorb 1	RL-60R	30.2	4.476	3.68	10	550	50
☐	Recusorb 1	RL-60R	30.8	4.342	3.82	15	550	50
☐	Recusorb 1	RL-60R	31.1	4.356	3.8	20	550	50
☐	Recusorb 1	RL-60R	31.1	4.413	3.74	25	550	50
☐	Recusorb 1	RL-60R	31.2	4.492	3.66	30	550	50

9. If you want to save, please check the checkboxes and click the “SAVE” button. When you click “SAVE” button, the result exports to csv file and database table.



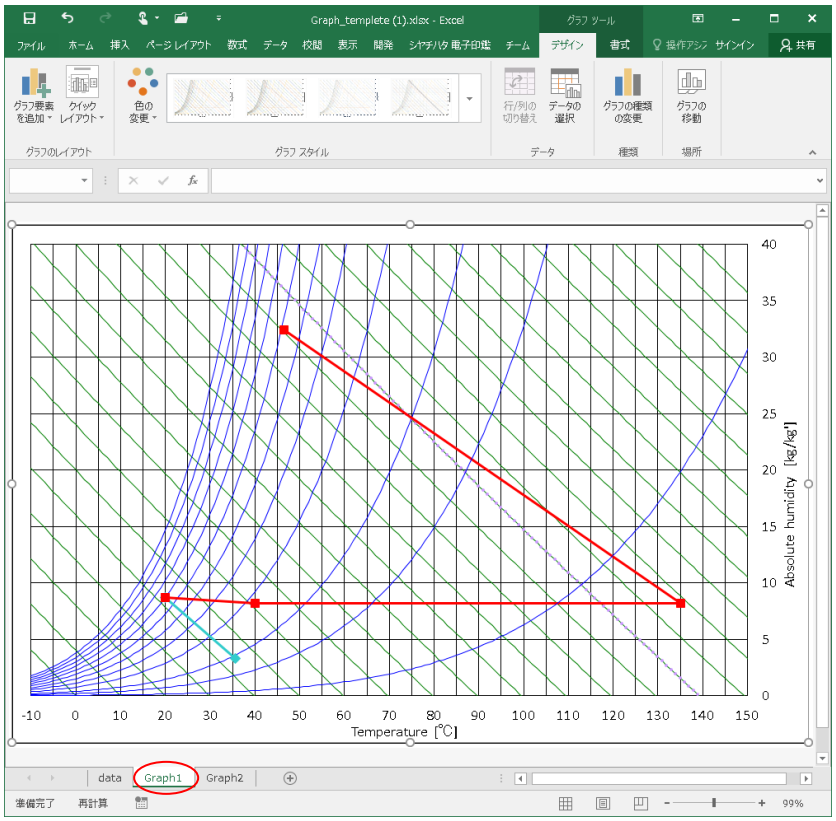
10. If you want to print, select the result. Selecting result becomes green and click the “PREVIEW AND PRINT” button.

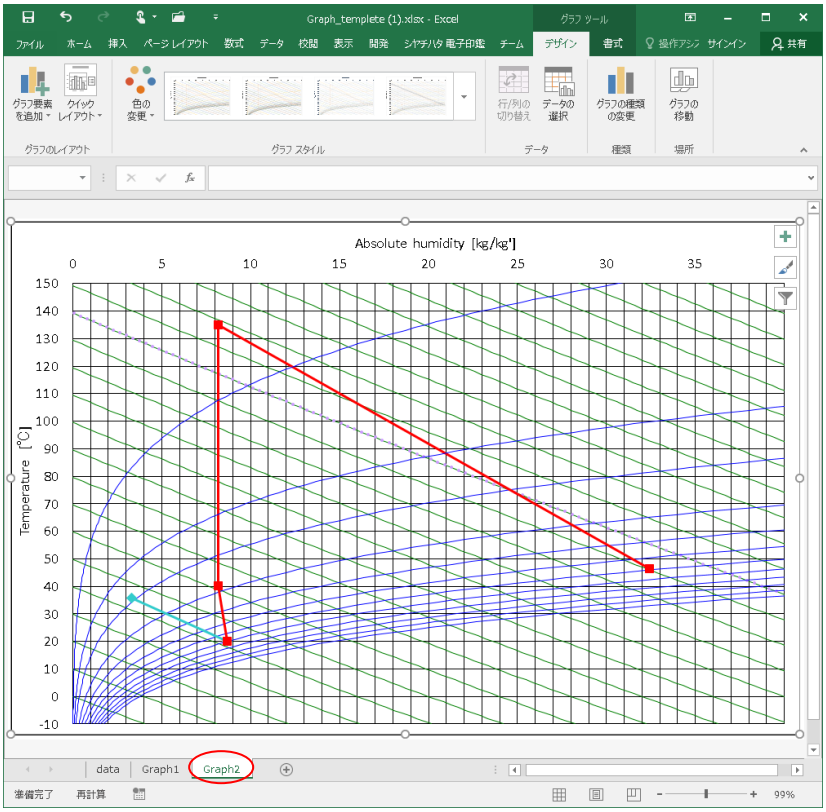
Caution: you can print the result which becomes green, not checking one.



11. If you want to see psychometric chart, select the result. Selecting result becomes green and click “EXPORT EXCEL” button. You can open or save the excel sheet of two pattern psychometric charts below.

Caution: you can see psychometric chart which becomes green, not checking one.





12. If you want to see the previous result, click the project from database table.