Dyna-Doctor Service Software Overview



Technical Call

This presentation is not intended to be an all inclusive troubleshooting and unit operation explanation but rather a look at navigation and information Dyna Doctor provides. Introductory level information on connection and navigation after software installation.





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Dyna-Doctor is to be used on Toshiba Carrier systems and cannot be connected to Carrier Bryant VRF systems.







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Dyna-Doctor is available with the part number **TCB-DK01SS-E** communication adapter.



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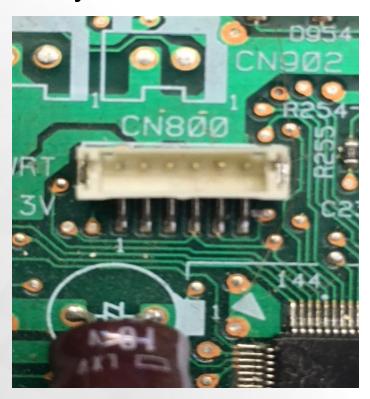
The accessory connector will have a connection to the outdoor unit board and to the Dyna Doctor adapter. Cable used depends on system to be connected.

Cable type	Appearance	Representative Air conditioner
	DYNA-KIT side — Air conditioner side	Representative Air conditioner
Α	8 pins Cable tie white A black cable tie is attached to the cable on air conditioner side. Be careful with it. It is prone to come off.	SDI Series (Outdoor unit) (*) DI Series (Outdoor unit) (*) IMS Series (Outdoor unit) (*) Air to Water Heat Pump (Hydro unit) *: Connector type may differ with some models.
В	6 pins (Large) Cable tie white Cable tie Black A black cable tie is attached to the cable on air conditioner side. Be careful with it. It is prone to come off.	SDI Series (Outdoor unit) (*) DI Series (Outdoor unit) (*) IMS Series (Outdoor unit) (*) • For Japan SPE Series (Outdoor unit) (*) SME Series (Outdoor unit) (*) *: Connector type may differ with some models.
С	6 pins (Large) (Small) Cable tie white Cable tie white	MiNi-SMMS (Outdoor unit) SMMS (Outdoor unit) SHRM (Outdoor unit) • For Japan SMMS (Outdoor unit) FLEX (Outdoor unit)

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Connection for system **operation** and **monitoring** is done from outdoor unit PC board only. CN800





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Connect the other connector end to Dyna Doctor Adapter as shown.



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Once connected to the outdoor board and adapter, connect the mini USB end of the accessory cable to the Dyna Doctor adapter and the USB end to the computer.





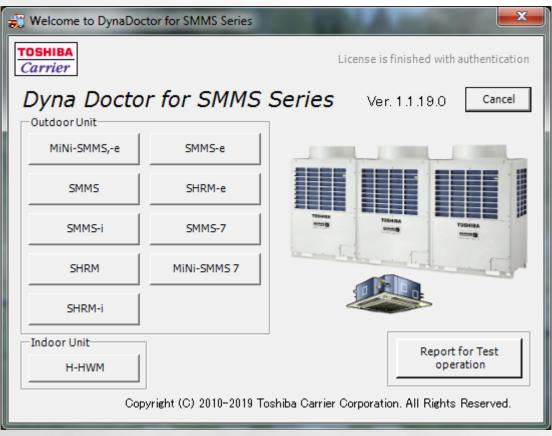
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Open Dyna Doctor software from the shortcut icon on the desktop.



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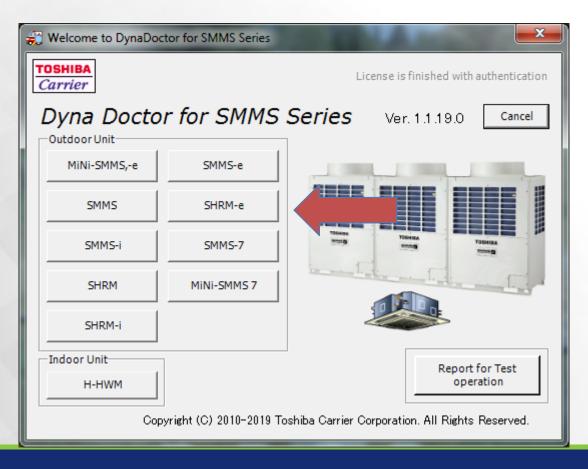
When the software opens you will need to select the unit type to be monitored.





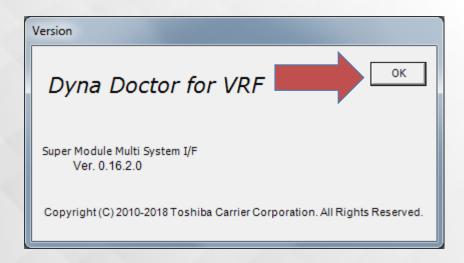
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For this presentation we will select e series Heat Recovery or SHRM-e.



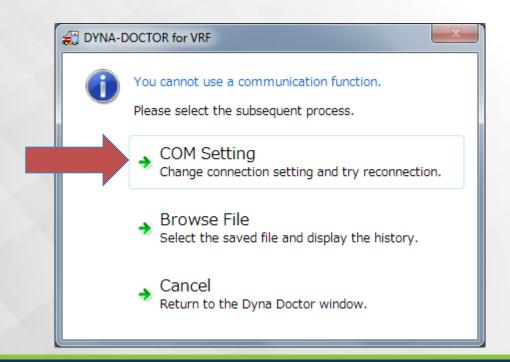
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Next will be a page with the below, click OK.



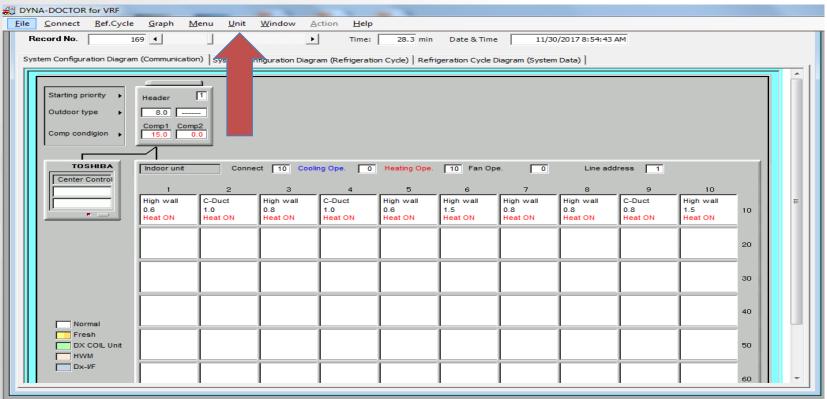
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Next will be a box to select how to connect. We can choose live connection with COM Setting, Browse File to view a recorded file or Cancel to go back.



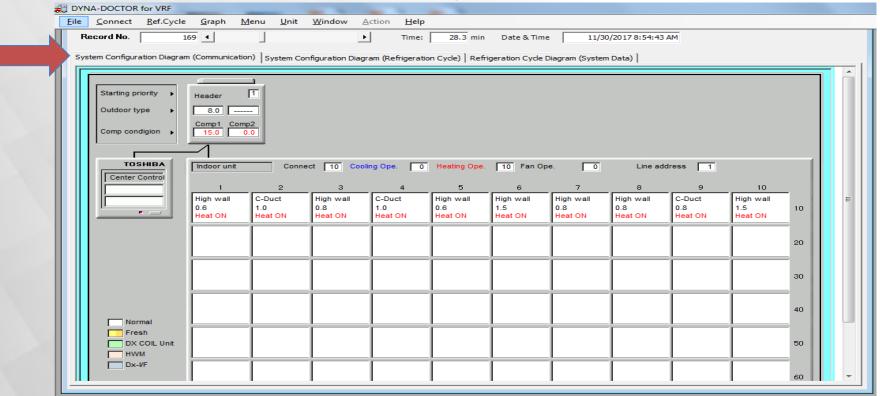
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Next after opening select Unit. Drop down menu allows to set for PSI, Tons, Fahrenheit.



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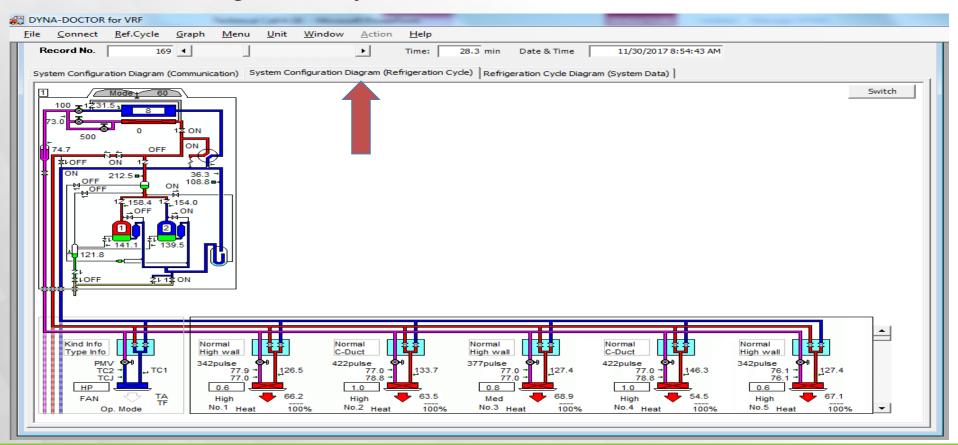
First page opened is the System Communication. I call it the connected information page.





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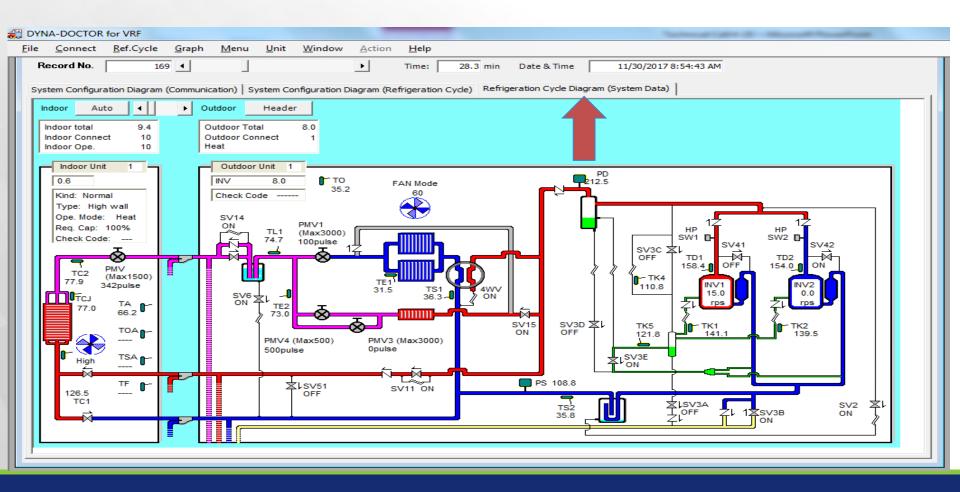
Next is Refrigerant Cycle.





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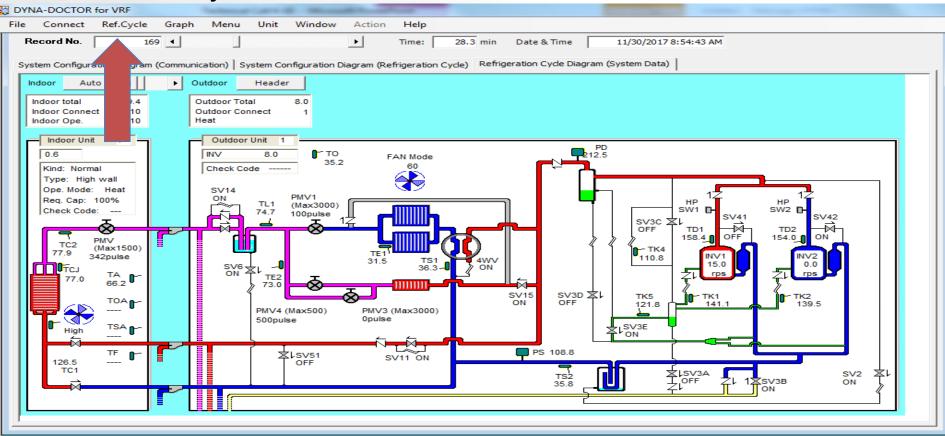
Next is Refrigerant Cycle System Data.





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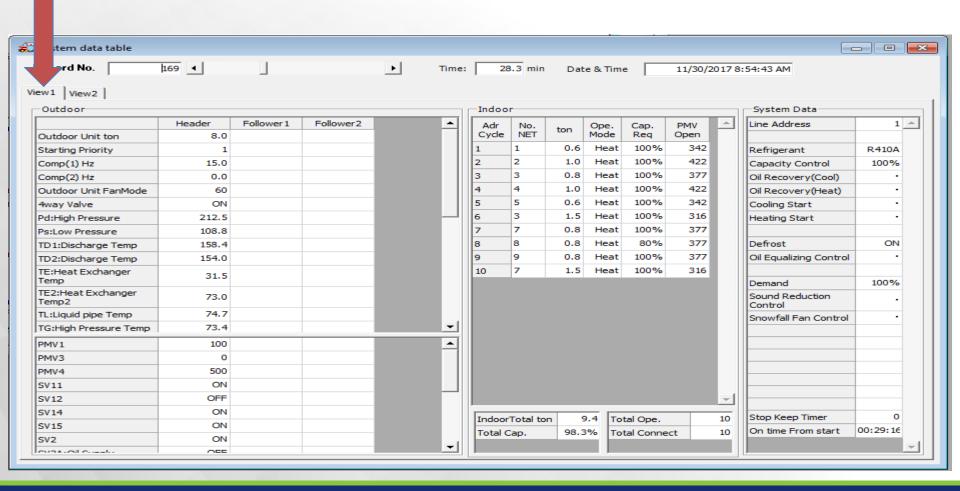
Click Ref. Cycle. Drop down box will show and choose List Data-System Data





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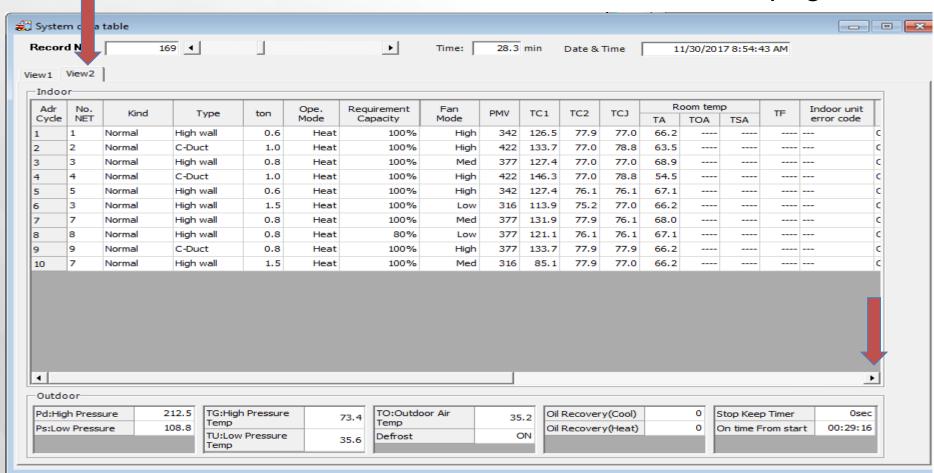
View 1 shows unit data. Major information all on 1 page.





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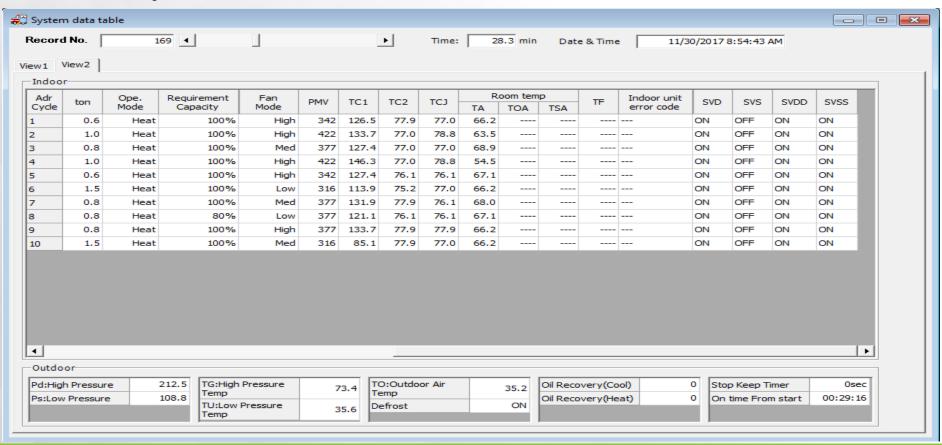
View 2 shows unit data. Indoor information all on 1 page.





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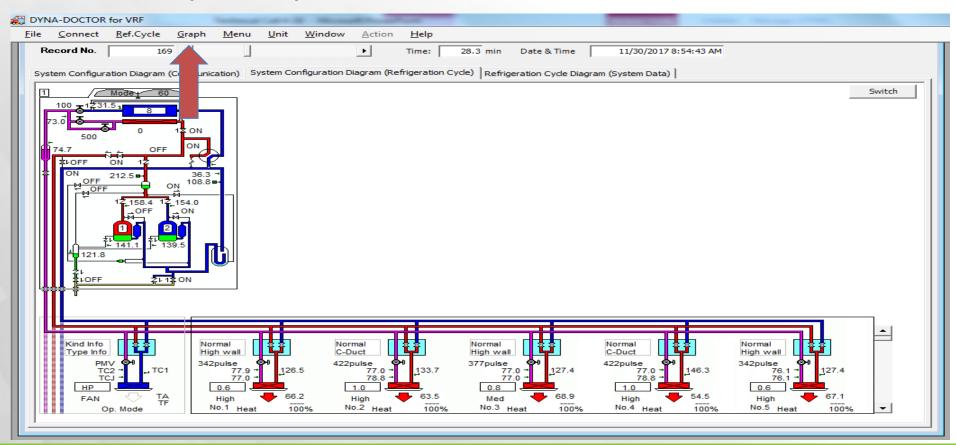
Scroll over shows FS box valve information. Single FS box only.





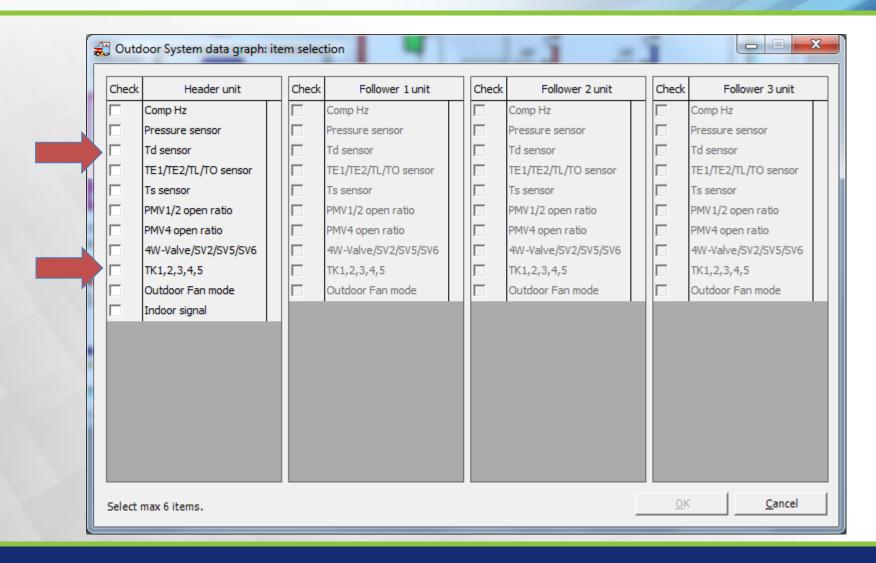
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Click Graph. Drop down menu has outdoor or indoor unit.



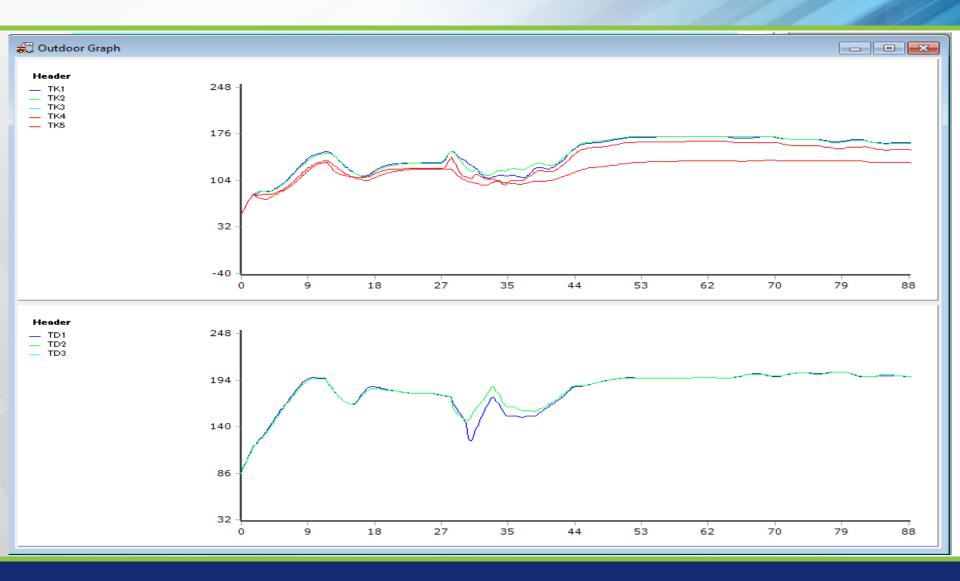


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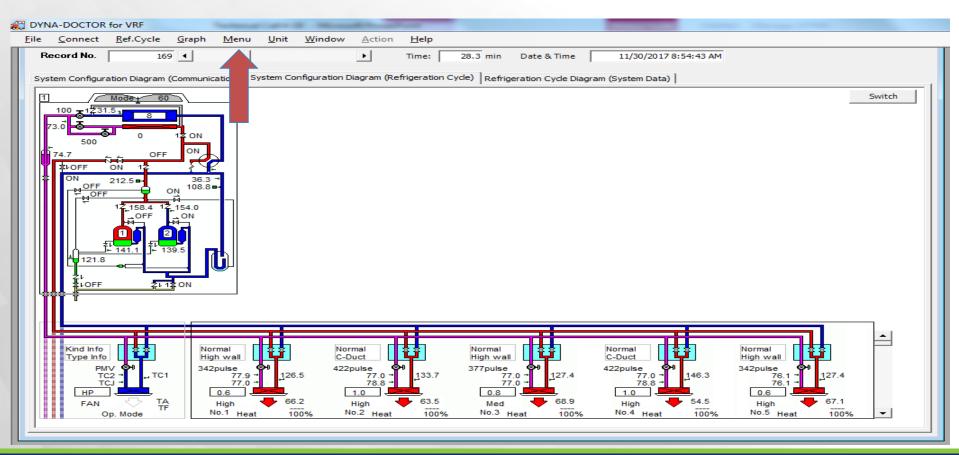
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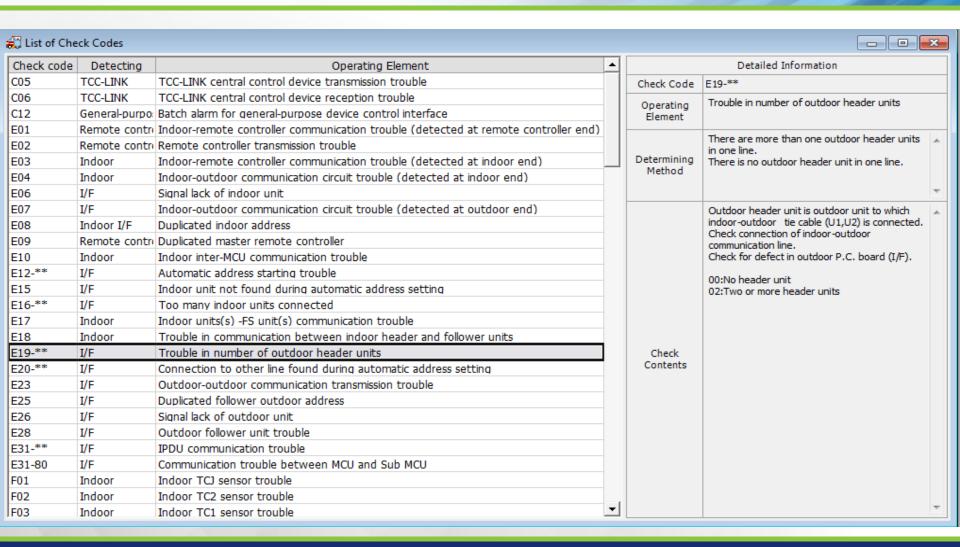
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Select Menu. Drop down box appears, choose List Check Codes.





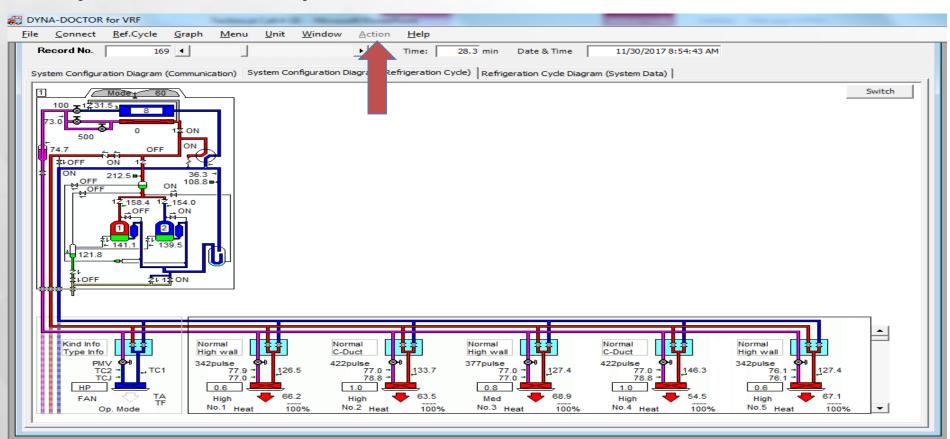
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Technical Call

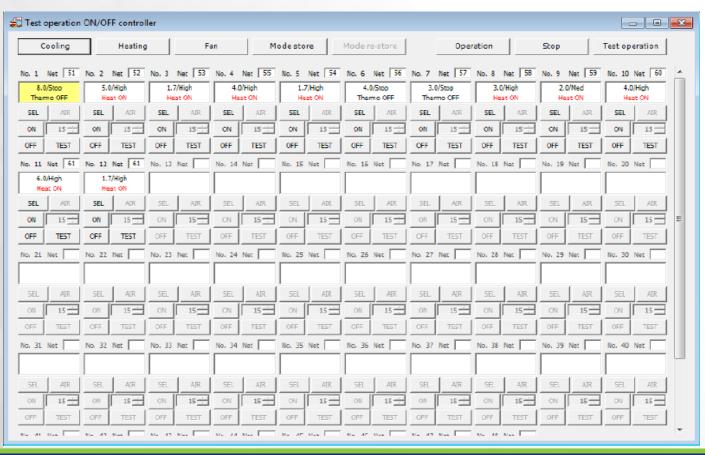
Action button will allow user to control the system from Dyna Doctor. Greyed out here because I am not live.





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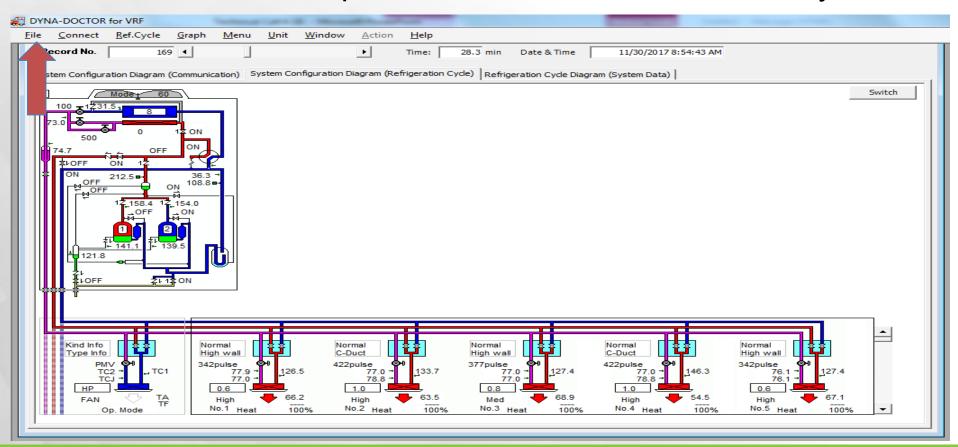
Test runs can be executed from this screen. Select 1 unit or all units.





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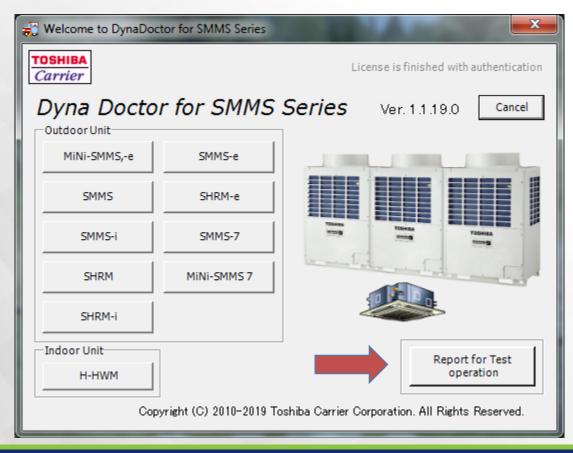
To save a data file click on the File drop down menu and select Save. Follow path to save to a folder. Save early.





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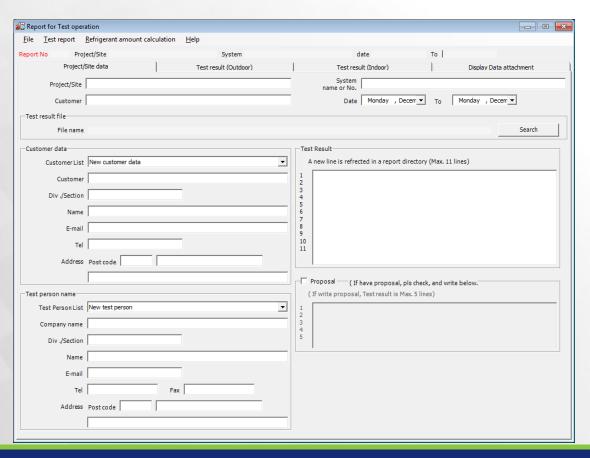
Dyna Doctor can generate a report. Select Report for Test Operation from main screen.





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Fill in the data fields and the report can be printed saved exported etc.



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Dyna Doctor has an installation manual and a separate operation manual that details all the possibilities for reporting etc. For more information please read these documents.



