

## With Toshiba everything is easier.

Toshiba's commitment to the development of technologically innovative products with improved performances

is complemented by the responsibility to supply more sophisticated and functional tools for the design,

installation and control of these systems.

## Selection Software: everything at the click of a button.

Sophisticated system design software has been developed for the whole VRF range and is a useful and irreplaceable support tool for engineers, architects, installers and in general for anyone who wants to apply the innovative Toshiba solutions.

With this software, the user can put together a complete VRF system by simply clicking on the icons for the indoor units and the other connection components.

It is also possible to define in advance relevant parameters such as outside

and inside temperatures, fan speed, pipe system length and routing etc.

The software automatically manages all the parameters entered, and the actual system capacity for the conditions required can be quickly calculated and simulated during the design stage.

Using this software, the design of VRF systems is guaranteed for the project at the given conditions. The software constantly monitors possible design errors and warns the user, when it reaches the system limits.

**Graphical representation of the required pipe connection system and pipe sizing**

**Specific details and data of the system selected: heating capacity, sensible and total cooling capacity, actual cooling capacity, additional refrigerant charge and pricing indications**

**Multiple system management as a single project**

**Export function to transfer the project report using standard Microsoft Word software**



# Diagnostic software

The correct installation of sophisticated systems such as the VRF system is one of the main aspects of controlling system operation.

Indoor unit addressing errors or lower coil heat exchange capacities can considerably limit system efficiency and increase the start-up time. In

order to optimise the controls during the start-up phase and guarantee perfect system commissioning, Toshiba is offering a diagnostic software: a valuable tool developed to ensure trouble-free installation and supervision of the complete installation.

From a single work-station the user is

connected to the system via a dedicated interface, and can gather all operating parameters relating to the refrigerant circuit and to the controls installed.

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Toshiba offers a team of experts who use the diagnostic software for any VRF system type using refrigerant R410A.

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Evaluation of the indoor unit performance.

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Evaluation of the outdoor unit performance.

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Verification of the correct working of the system.

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Supervision of the refrigerant circuit and the related operating parameters:

- valve conditions,
  - refrigerant flow temperature,
  - detailed refrigerant cycle diagram, etc.
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Memorisation and evaluation of the 1000 most recent events.

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Projections of the monitored data for analyses.

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