NICOTRA|Gebhardt

Instructions for extraction and use of program DLL

Introductions to the "Nicotra.DLL" fan calculation module:

The Nicotra Gebhardt Ventil stand-alone fan selection software has been developed with a modular approach in mind.

All the operations required to access the fan data archives and for fan performance calculation are contained inside a 32-bit Windows-compatible DLL file, Nicotra.DLL, which is an integral part of the Ventil program package. This DLL file can also be copied, together with the three auxiliary DLLs, a configuration file and the archive set, into another location and accessed from a customer-developed program, used to configure and calculate the performance of HVAC equipment including Nicotra Gebhardt belt-driven fans.

The task of properly integrating a DLL, supplied by a third-party, into a mixed-language programming environment, is not an immediate one, but experienced developers will find convenient to use a software package provided by the manufacturer, to provide fan performance predictions, rather than developing their own calculation code. Any extension or upgrade of the data, or of the calculation procedures, is also faster to integrate, using the periodically upgraded archives provided by Nicotra Gebhardt.

To carry out the task, some information on the operation and on the programming interface to the dll functions is needed; this information is provided in a set of manuals.

A separate, compressed file, containing a complete set of DLLs and archives, has also been produced, to assist developers to redistribute all and just those files required to handle the product ranges most commonly used by AHU manufacturers.

The package contains data relating to the six DWDI metric-sized ranges (ADH, ADY, RDH, RDY, RDA and AT).

Developer's guide for integration of the module "Nicotra.DLL":

This package contains a set of documents and manuals intended as a guide for developers who need to integrate the Software produced by Nicotra Gebhardt (calculation module for fan performance and characteristics) with their own SW for configuration and design of HVAC-equipment.

Download Package [ZIP 677 KByte]

Latest Update of archive files for ADH, ADY, RDH, RDY, RDA and AT metric-sized fans + Nicotra.DLL Ver 2.5.7:

This compressed file includes the latest update of the Nicotra.DLL file (ver. 2.5.7), of the auxiliary DLL files, the configuration files and the updated archive files required to calculate the fans of the ADH, ADY, RDH, RDY, RDA and AT metric-sized series. It is intended to assist developers, simplifying the work of integrating and redistributing the software provided by Nicotra Gebhardt to calculate those DWDI belt-driven fan ranges more commonly used inside Air Handling Units.

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