



NATALINI

NG40

Blower for gas-premix heating system

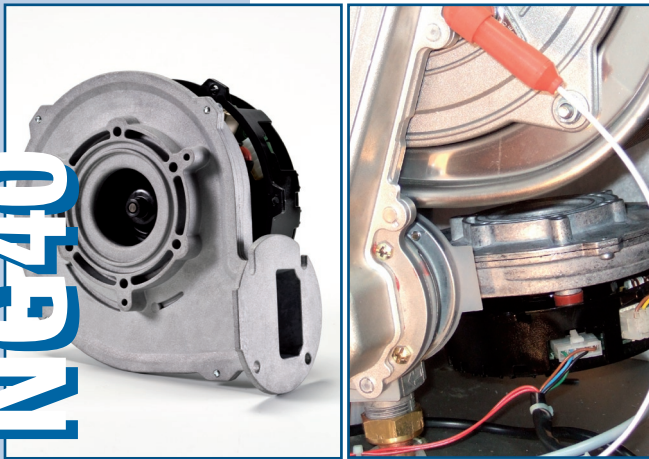


SITGroup

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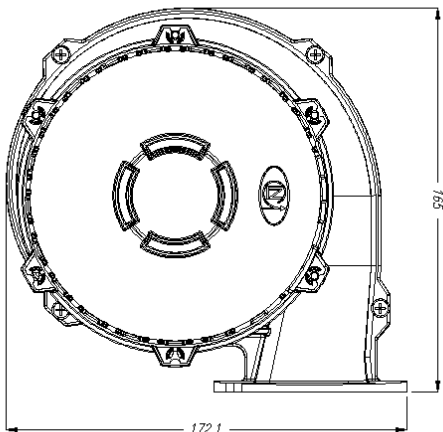
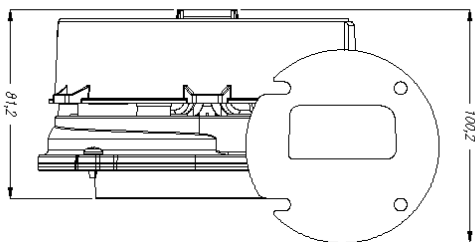
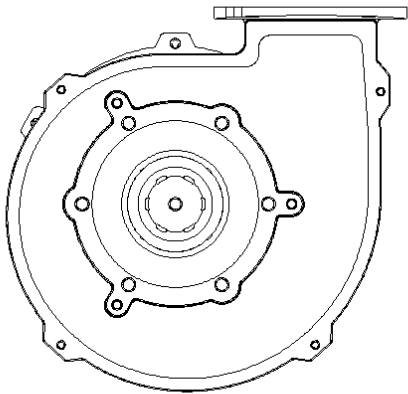
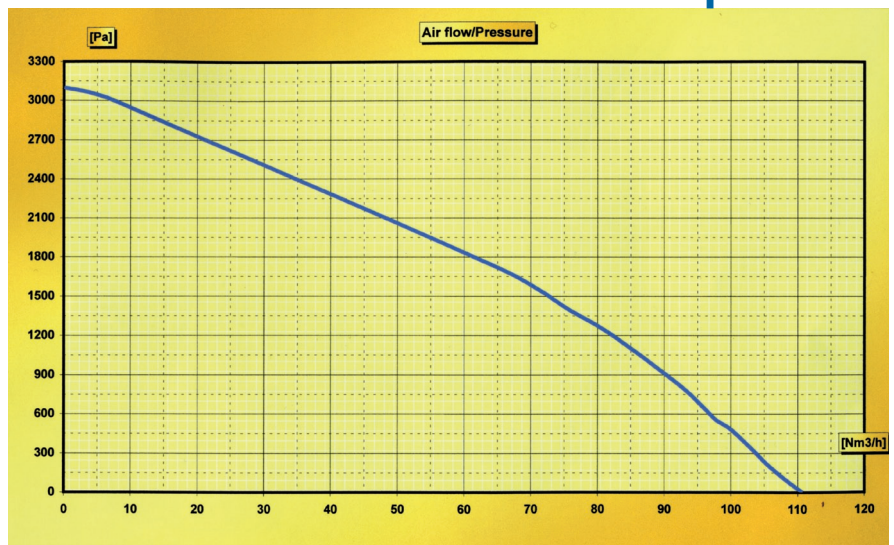


This new product platform has been developed for premix condensing gas boilers and other gas appliances.

Advanced design and engineering tools such as FEM, CFD, DOE testing routines, and Design for Assembly principles were used in developing this product. NG40 main features are:

- * Compactness – Blower Dimensions are the most compact among premix fans available in the market in its class.
- * High “pressure vs. volume” characteristics provided while overall blower efficiency maintained above average industry levels
- * Wide modulation ratio up to 10:1 can be achieved with use of SIT developed electronics
- * Flexibility for various applications - The blower electronics is equipped with a programmable microcontroller managing several functional curves and as such the NG40 can be easily fitted to a wide range of applications.
- * NG40 has 5 patented technical solutions related to impeller and scroll case flow dynamics, electric motor construction (coupling compactness and simplicity), programmable electronics.

Output Curve



Technical data:

NG40	
Voltage	230 V (24V available on request)
Frequency	50Hz
Nominal power consumption	75 W
Air flow	110 m³/h
Max pressure	3100 PA
Max RPM	11500
Mass	970 g
Insulation class	F
Housing material	Die-cast Aluminium
Impeller material	Plastic

Available on request:

- o Custom outlet connection
- o Custom mixer connection
- o Version with only Hall Sensor electronics on board

Reference standards :

- EN60335-1
- LVD 2006/95EC (ex 73/23/EC)
- EMC 2004/108/EC (ex 89/336/EC)
- ATEX (94/9/CE)