

NIMUS 401 T2 4kW (std) (NS4012100)

GENERAL DATA



CENTRIFUGAL FAN, FOR CLEAN OR SLIGHTLY DUSTY AIR

MANUFACTURING FEATURES

- Medium pressure centrifugal fan with direct coupling.
- Reinforced housing made of carbon laminated steel, protected against corrosion by powder coating polyester resin RAL 5010. Finish C3.
- Casing fully latched and adjustable.
- Self-cleaning turbine and reinforced impeller with high-performance backward (reaction) blades made of carbon laminated steel dynamically balanced to minimize noise and vibrations. Black painted RAL 9005
- Squirrel cage standardized asynchronous IEC motor with IP-55 protection and class F electrical insulation. Standard voltages 230/400V 50Hz for three-phase motors up to 4kW and 400/690V 50Hz for higher powers. IE4 motors for 75kW power or higher.
- Motor with feet (B3) supported on motor support foot.
- Models of size 500 and above are supplied with a front support foot, for the other models the front support foot is optional.
- Maximum working temperature in continuous: air transported: 130°C, Environment: 60°C.
- Available positions (to be indicated in case of order): LG270, LG0, LG45, LG90, LG135, LG180, LG225, LG315, RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315.
- The indicated codes correspond to the model in position LG270

APPLICATIONS

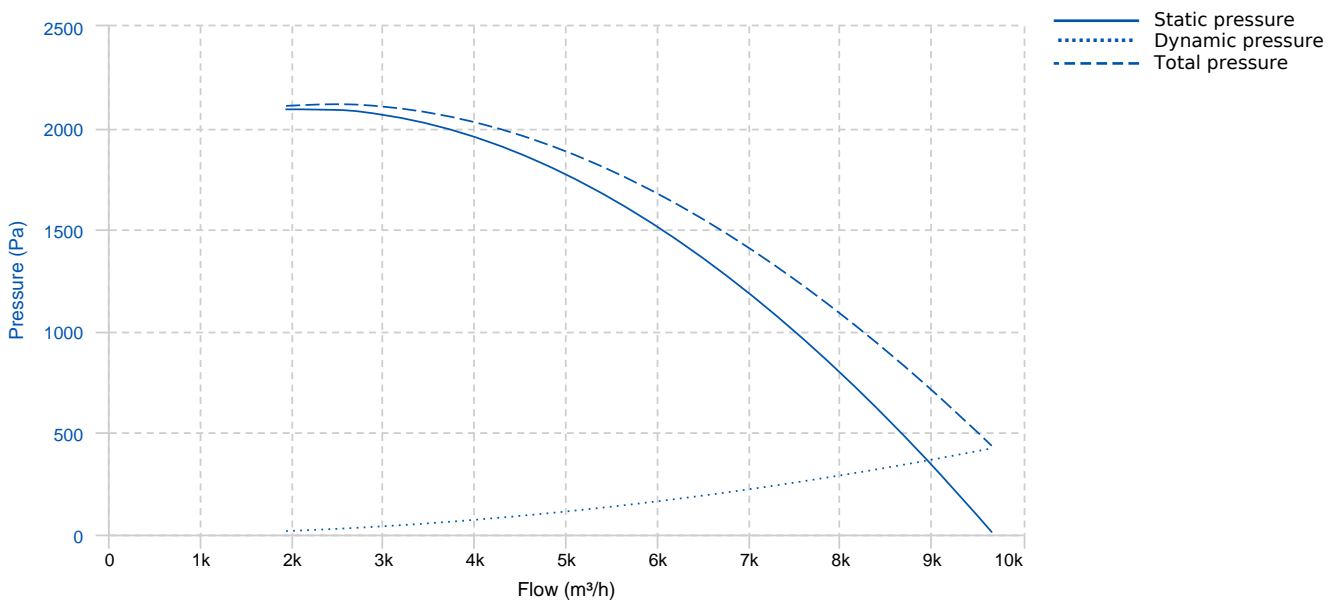
Suitable for moving clean or dusty air. Designed to be installed in conduit for suction or impulsion.

- Paint booths
- Collection of dust
- Food industry dryers
- Food processing
- Incineration
- Odor control in industry
- Indoor / outdoor pollution control
- Big buildings
- Malls
- Factories / Industrial buildings
- Warehouses
- Extraction of smoke
- Boilers and ovens
- Manufacture and treatment of chemical products.
- Tunnels, underground stations.

ON DEMAND

- Fans for special voltages.
- 2 speed motor.
- C4 or C5 coating painting
- Hot dip galvanized
- Inox 304 (normal or electropolished finish)
- Inox 316 (normal or electropolished finish)
- Cooling wheel
- Anticaloric paint
- Fully welded housing (waterproof)
- Inspection door to facilitate maintenance and cleaning
- Drain plug.
- Airtight axle
- Non-sparking air passage and standard motor
- Other brands of motors.

PERFORMANCE CURVE



TECHNICAL DATA

Fan

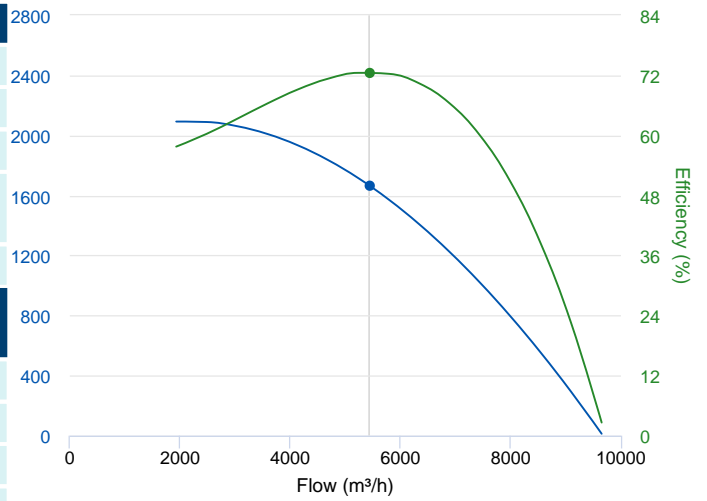
RPM	2880	Approx. weight	104.97 kg	Max. Flow	9660 m³/h
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Motor

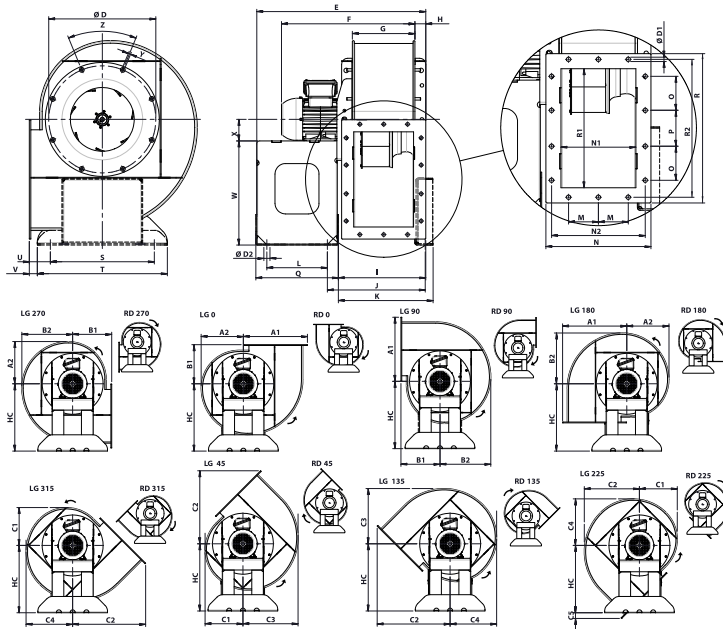
Power	4 kW	RPM	2880	I max. (230V)	13,3 A	I max. (400V)	7,63 A
Size	112M	Approx. weight	43.5 kg	Efficiency (%)	88.1 %	FP	0.88

ERP DATA

Fan data sheet		
Fan type	Centrifugal fan backward blades with casing	
Installation category	A: Outlet and Inlet free discharge	
Efficiency category	Static	
The fan has to be installed with VF	No	
Motor power (kW)	4	
	Fan values	ERP Requirements 2015
Max. efficiency (%)	72.6	56.24
Efficiency grade (N)	77.36	61
Pabs (kW)	3.519	
Flow (m³/h)	5449.05	
Static pressure (Pa)	1662.89	
Speed (m/s)	2880	
Specific ratio	1.02	



DIMENSIONS

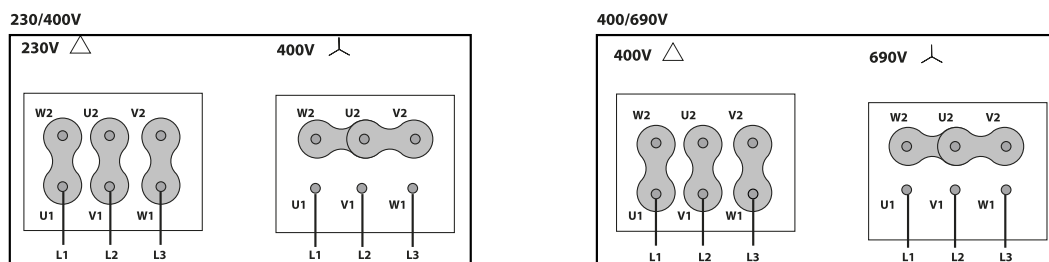


Dimensions (mm)									
A1	493	A2	328.2	B1	294.3	B2	396.1	C1	294.3
C2	556.7	C3	430.1	C4	362.2	C5	46.1	D	438
D1	11.5	D2	20	E	622.8	F (±)	615	G (±)	261
H	35.5	HC	510.6	I	380.4	J	342.9	K	367.4
L	205	M	106	N	332	N1	252	N2	302

Dimensions (mm)

O	120	P	120	Q	282.9	R	480	R1	400
R2	450	S	397	T	473	U	95.8	V	57.8
W	398.6	X	112	Y	M8	Z	8holes x45°		

WIRING DIAGRAM



ACCESSORIES



**SAFETY SWITCH
INT 25 3P A**
REF: INT253PA



**CONNECTION FLANGE
AC 400**
REF: 960003212



**ANTI-VIBRATION JOINT
JE 45**
REF: 300719201



**CIRCULAR-CIRCULAR ANTI-VIBRATION FLANGE
FOR STORM
BADS 400**
REF: BADS-4040



**RECTANGULAR-RECTANGULAR ANTI-VIBRATION
FLANGE FOR STORM
BIDS 252x400-200**
REF: BIDS-40252



**ANTI-VIBRATION RUBBER BLOCK
AVR (GENERIC)**



**INLET PROTECTION GUARD FOR CENTRIFUGAL
FANS
RA 40/16**
REF: A-253511901



**ANTI-VIBRATING FLANGE 400°/2H
BA-400 40**
REF: 960002054



**OUTLET FLANGE FOR STORM MODELS
EIS 400x252-400**
REF: EIS-4025240



**OUTLET PROTECTION GUARD FOR STORM FANS
RIS 400x252**
REF: RIS-40252E2



**FREQUENCY SPEED CONTROLLER
SFC 400 III 8A ***
REF: SFC400III8



**ANTI-VIBRATION SPRING BLOCK
AVS (GENERIC)**



**ACOUSTIC CABINS FOR CENTRIFUGAL FANS
AB (GENERIC)**



**FRONTAL FEET SUPORT
CPD-N40
REF: A-CPD-N40**



**MULTIPOSITION FRONTAL FEET SUPPORT
CPDMP-N40
REF: A-CPDMP-N40**

SPARE PARTS

	Code	Model	Qty
1	R-BAD-N40	INLET CONE 400	x1
3	721001065	MOTOR 4KW T2 B3 230/400V	x1