

NIMUS 311 T2 1,1kW (std) (NS311280)

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

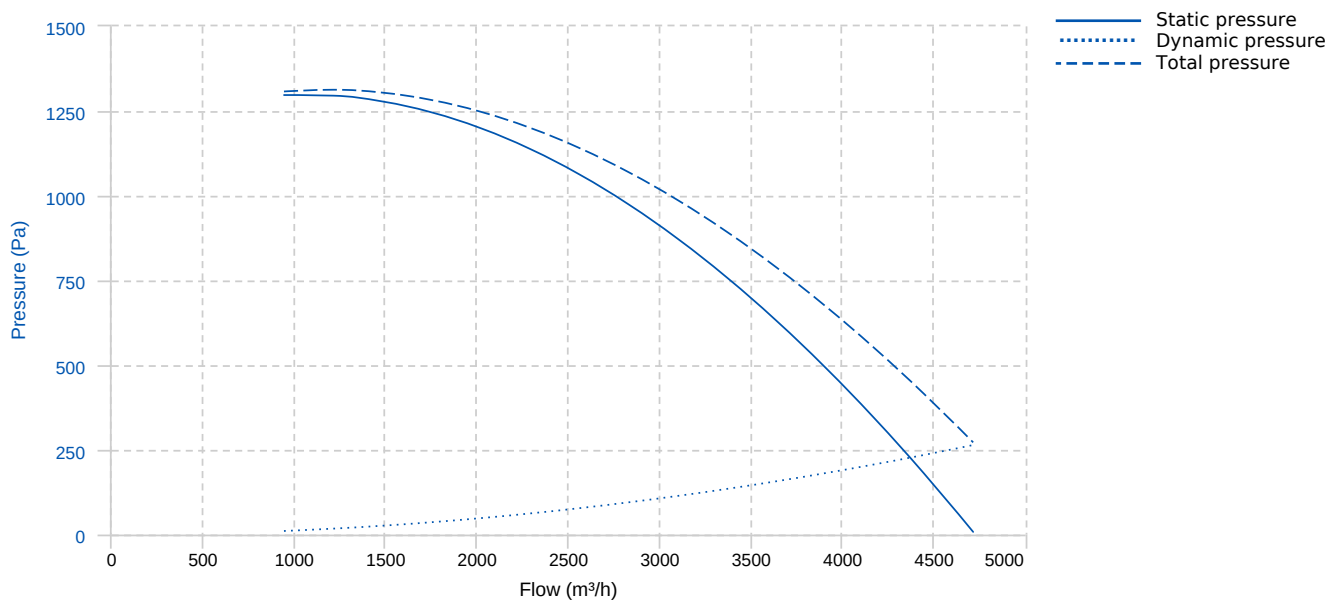
Suitable for moving clean or dusty air. Designed to be installed in conduit for suction or impulsion.

- 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

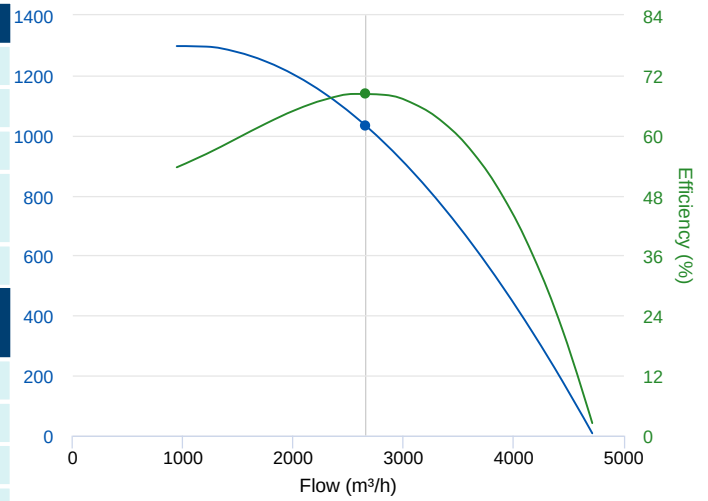


TECHNICAL DATA

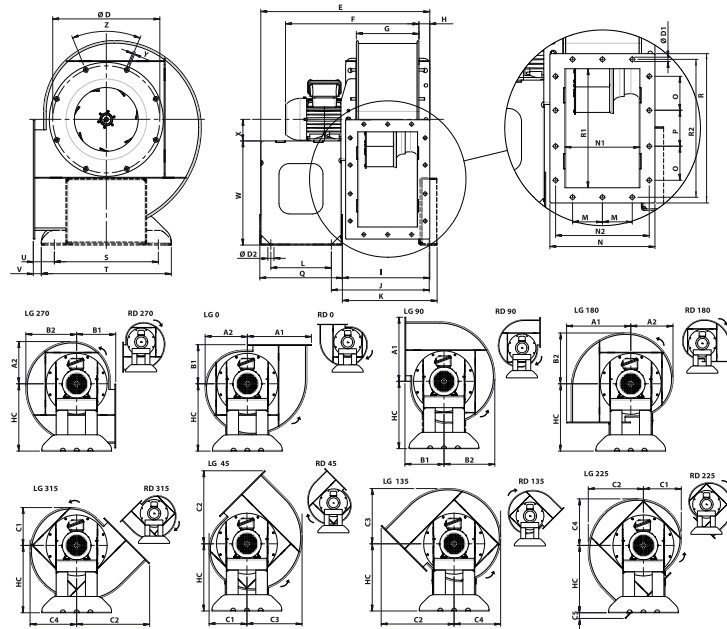
Fan							
RPM	2800	Approx. weight	50.97 kg	Max. Flow	4720 m³/h		
Motor							
Power	1,1 kW	RPM	2800	I max. (230V)	4,05 A	I max. (400V)	2,33 A
Size	80	Approx. weight	16 kg	Efficiency (%)	82.7 %	FP	0.85

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)	1.1	
	Fan values	ERP Requirements 2015
Max. efficiency (%)	68.38	51.06
Efficiency grade (N)	78.31	61
Pabs (kW)	1.132	
Flow (m³/h)	2660.64	
Static pressure (Pa)	1031.42	
Speed (m/s)	2800	
Specific ratio	1.01	



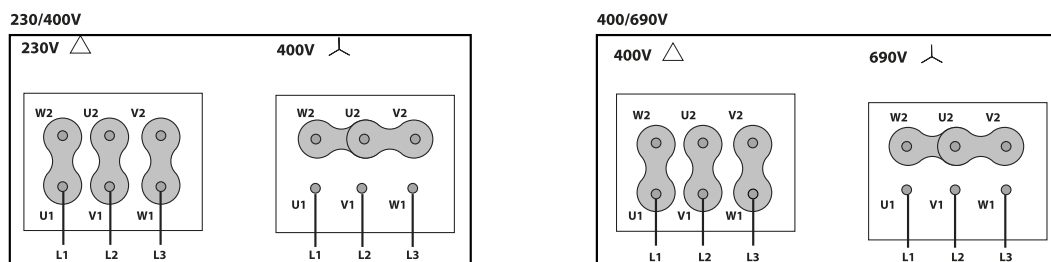
DIMENSIONS



Dimensions (mm)

O	90	P	95	Q	272.9	R	395	R1	315
R2	365	S	344	T	430	U	69.3	V	26.3
W	355.6	X	80	Y	M8	Z	8holes x45°		

WIRING DIAGRAM



ACCESSORIES



SAFETY SWITCH
INT 25 3P A
REF: INT253PA



ANTI-VIBRATING FLANGE 400°/2H
BA-400 30/31
REF: 960002052



CONNECTION FLANGE
AC 300
REF: 960003209



CIRCULAR-CIRCULAR ANTI-VIBRATION FLANGE FOR STORM
BADS 315
REF: BADS-3131



RECTANGULAR-RECTANGULAR ANTI-VIBRATION FLANGE FOR STORM
BIDS 198x315-200
REF: BIDS-31198



FREQUENCY SPEED CONTROLLER
SFC 400 III 3,6A *
REF: SFC400III4



INLET PROTECTION GUARD FOR CENTRIFUGAL FANS
RA 31/12
REF: A-253451901



ANTI-VIBRATION JOINT
JE 45
REF: 300719201



OUTLET FLANGE FOR STORM MODELS
EIS 315x198-315
REF: EIS-3119831



OUTLET PROTECTION GUARD FOR STORM FANS
RIS 315x198
REF: RIS-31198E2



FREQUENCY SPEED CONTROLLER
SFC 230 I 4,2A *
REF: SFC230I004



ANTI-VIBRATION RUBBER BLOCK
AVR (GENERIC)



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



**FRONTAL FEET SUPORT
CPD-N31
REF: A-CPD-N31**



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



**MULTIPOSITION FRONTAL FEET SUPPORT
CPDMP-N31
REF: A-CPDMP-N31**

SPARE PARTS

	Code	Model	Qty
1	R-BAD-N31	INLET CONE 315	x1
2	721001043	MOTOR 1,1kW T2 B3 230/400V	x1
3	721001043	MOTOR 1,1kW T2 B3 230/400V	x1