

NIMUS 501 T4 1,5kW (std) (NS501490)

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

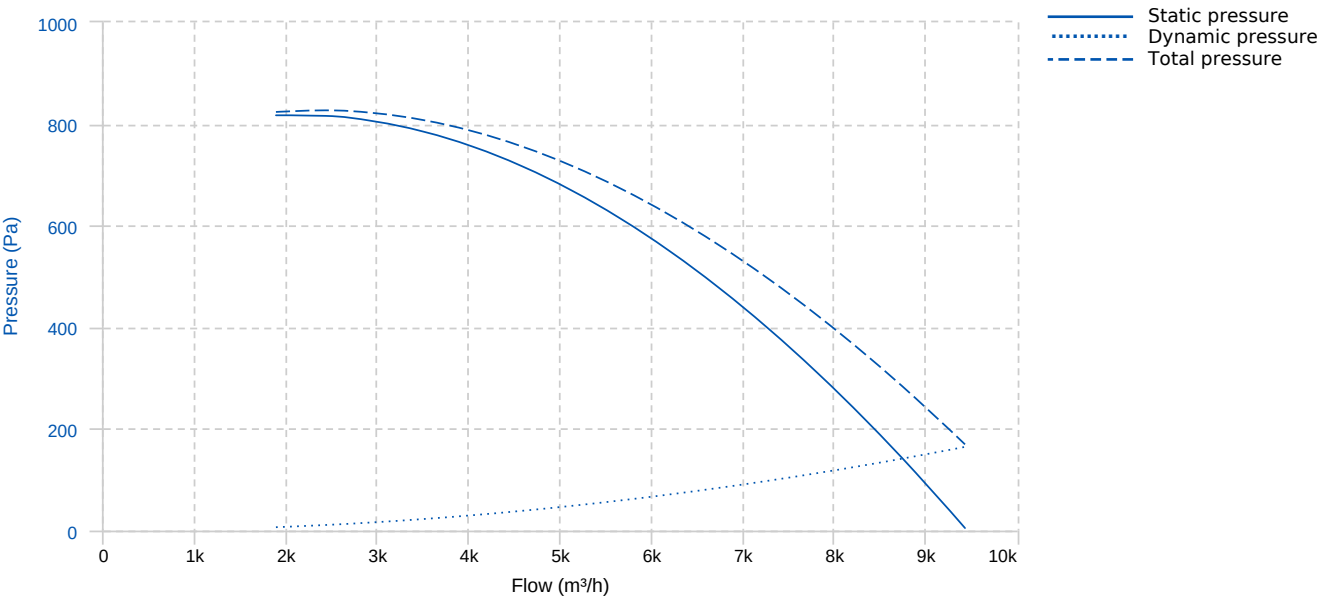
Suitable for moving clean or dusty air. Designed to be installed in conduit for suction or impulsion.

- 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

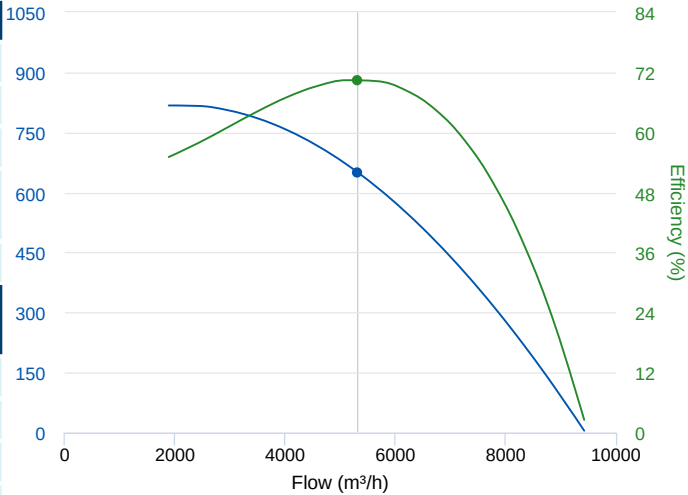


TECHNICAL DATA

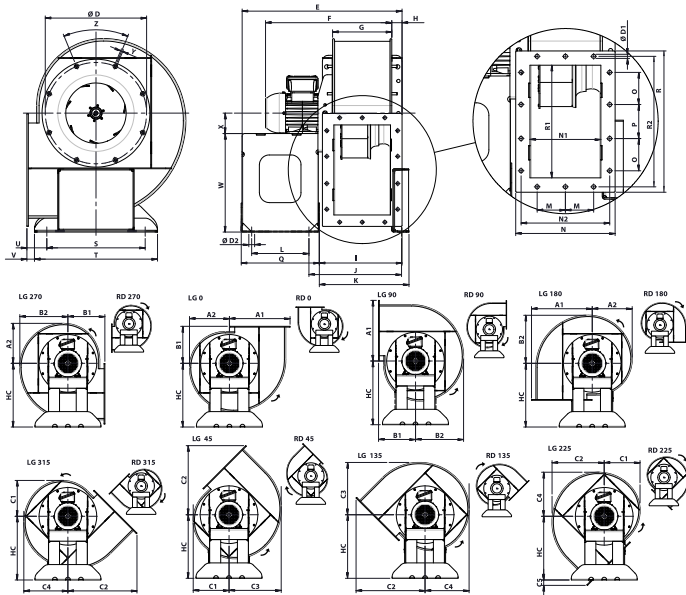
Fan							
RPM	1450	Approx. weight	109.37 kg	Max. Flow	9430 m³/h		
Motor							
Power	1,5 kW	RPM	1450	I max. (230V)	5,67 A	I max. (400V)	3,26 A
Size	90L	Approx. weight	22 kg	Efficiency (%)	85.3 %	FP	0.8

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)	1.5	
	Fan values	ERP Requirements 2015
Max. efficiency (%)	70.53	51.98
Efficiency grade (N)	79.55	61
Pabs (kW)	1.382	
Flow (m³/h)	5325.57	
Static pressure (Pa)	649.13	
Speed (m/s)	1450	
Specific ratio	1.01	



DIMENSIONS

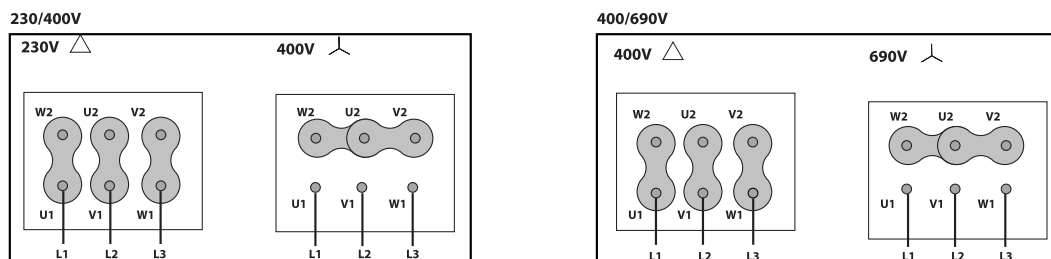


Dimensions (mm)									
A1	606	A2	407.4	B1	356.6	B2	492.2	C1	365
C2	680.66	C3	534.6	C4	449.8	C5	50.06	D	535
D1	11.5	D2	535	E	714.8	F (±)	623.07	G (±)	325
H	58.5	HC	625.6	I	427.16	J	470.16	K	460.26
L	185	M	128	N	396	N1	316	N2	366
O	147	P	146	Q	264.64	R	580	R1	500

Dimensions (mm)

R2	550	S	397	T	563	U	158.1	V	75.1
W	535.6	X	90	Y	M8	Z	8x45°		

WIRING DIAGRAM



ACCESSORIES



SAFETY SWITCH
INT 25 3P A
REF: INT253PA



CONNECTION FLANGE
AC 500
REF: 960003214



ANTI-VIBRATION JOINT
JE 45
REF: 300719201



CIRCULAR-CIRCULAR ANTI-VIBRATION FLANGE FOR STORM
BADS 500
REF: BADS-5050



RECTANGULAR-RECTANGULAR ANTI-VIBRATION FLANGE FOR STORM
BIDS 316x500-200
REF: BIDS-50316



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



INLET PROTECTION GUARD FOR CENTRIFUGAL FANS
RA 50/16
REF: A-243501901



ANTI-VIBRATING FLANGE 400°/2H
BA-400 50
REF: 960002064



OUTLET FLANGE FOR STORM MODELS
EIS 500x316-500
REF: EIS-5031650



OUTLET PROTECTION GUARD FOR STORM FANS
RIS 500x316
REF: RIS-50316E2



FREQUENCY SPEED CONTROLLER
SFC 230 I 7A *
REF: SFC230I007



ANTI-VIBRATION RUBBER BLOCK
AVR (GENERIC)



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



**FRONTAL FEET SUPORT
CPD-N50
REF: A-CPD-N50**



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



**MULTIPOSITION FRONTAL FEET SUPPORT
CPDMP-N50
REF: A-CPDMP-N50**

SPARE PARTS

	Code	Model	Qty
1	R-BAD-N50	INLET CONE 500	x1
2	721001155	MOTOR 1,5kW T4 B3 230/400V	x1
3	721001155	MOTOR 1,5kW T4 B3 230/400V	x1