

NIMUS 501 T4 1,5kW ATEX Zone 2: FAN (Ex h IIB T3 Gc) + MOTOR (Ex ec IIC T3 Gc) (NS501490XN)

GENERAL DATA



CENTRIFUGAL FAN WITH BACKWARD IMPELLER, DIRECT DRIVEN WITH FEET MOTOR (B3) ATEX.

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.
- 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
- ATEX standard asynchronous motor. ATEX certified according to the zone. Class F insulation. Manufactured with standard voltages: 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- 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.
- Working temperature: ambient from -20°C to 40°C, transported air according to the ATEX classification.
- 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

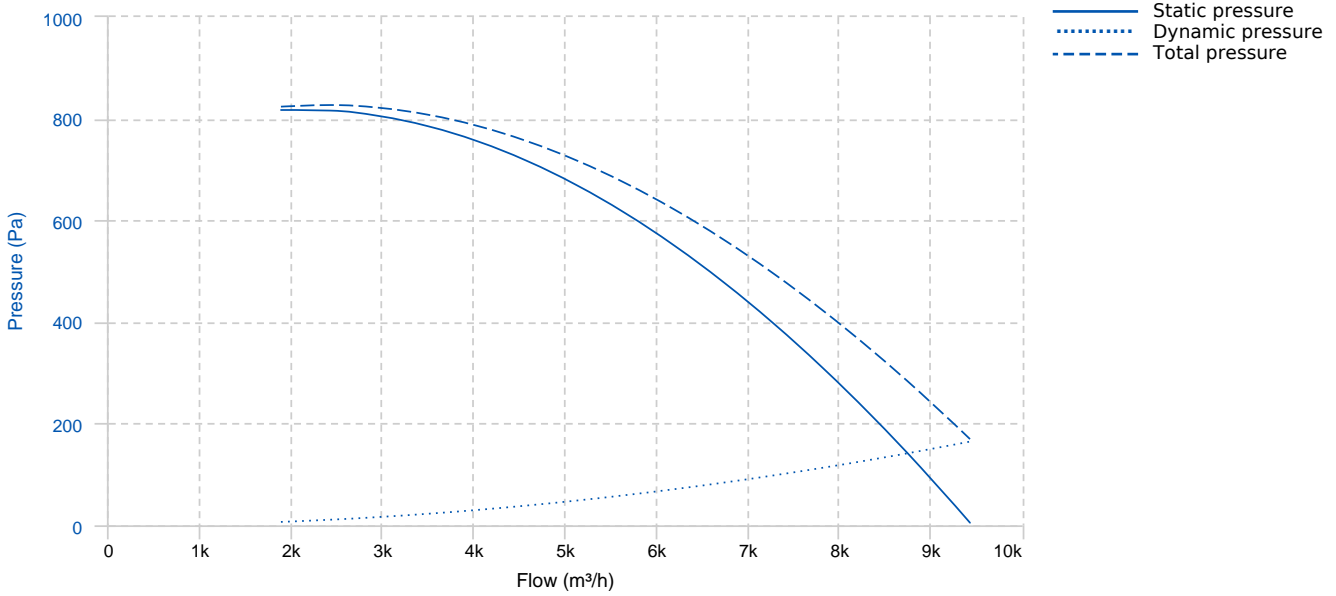
• Ventilation in indoor environments classified as ATEX. Suitable for moving clean or dusty air. Designed to be installed in conduit for suction or impulsion.

- 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 60Hz and special voltages.
- Inox 304 (normal or electropolished finish)
- Inox 316 (normal or electropolished finish)
- Inspection door to facilitate maintenance and cleaning
- Drain plug.

PERFORMANCE CURVE



TECHNICAL DATA

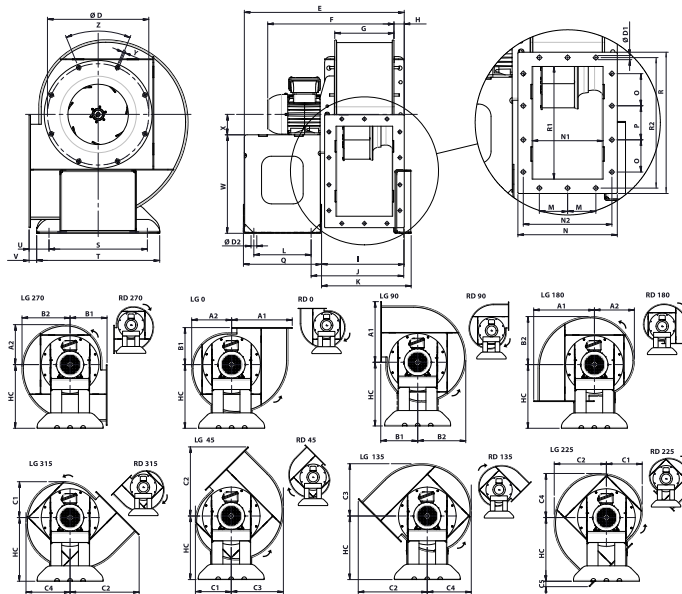
Fan

RPM	1415	Approx. weight	101.37 kg	Max. Flow	9430 m³/h
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Motor

Power	1,5 kW	RPM	1415	I max. (400V)	3,8 A	Size	90L
Approx. weight	14 kg	Efficiency (%)	74 %	FP	0.78		

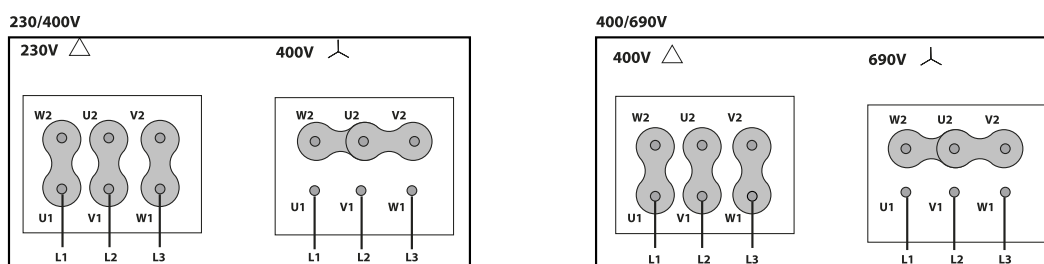
DIMENSIONS



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

WIRING DIAGRAM



ACCESSORIES



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



CONNECTION FLANGE
AC 500
REF: 960003214



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



ANTI-VIBRATION JOINT
JE 45
REF: 300719201



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



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



CIRCULAR-CIRCULAR COUPLING FLANGE ATEX FOR STORM
BADS ATEX 500
REF: BADS-5050X0



RECTANGULAR-RECTANGULAR FLANGE ATEX FOR STORM
BIDS ATEX 316x500-200
REF: BIDS-50316X0

COUPLING



**ATEX SWITCH
INT 16 ATEX**
REF: 510200016X



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



**FREQUENCY SPEED CONTROLLER
SFC 400 III 5A ***
REF: SFC400III5



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



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



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



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



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