

# NIMUS 311 T2 1,1kW ATEX Zone 2: FAN (Ex h IIB T3 Gc) + MOTOR (Ex ec IIC T3 Gc) (NS311280XN)

## 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

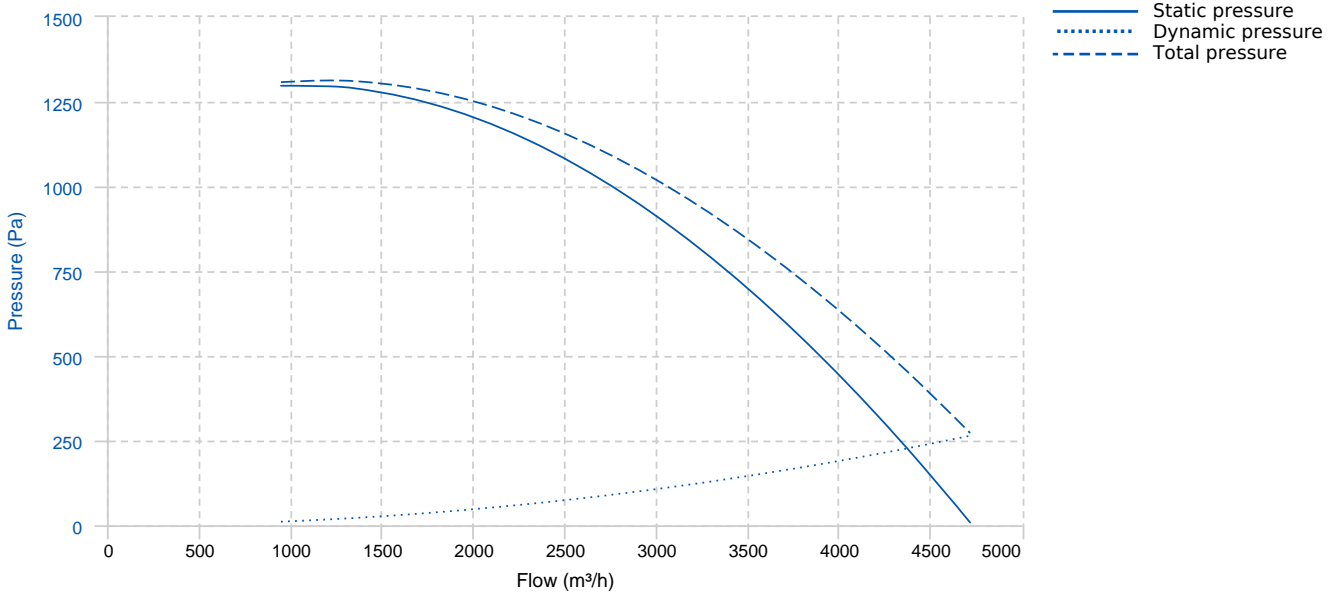
• Ventilation in indoor environments classified as ATEX. Suitable for moving clean or dusty air. Designed to be installed in conduit for suction or impulsion.

- 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.

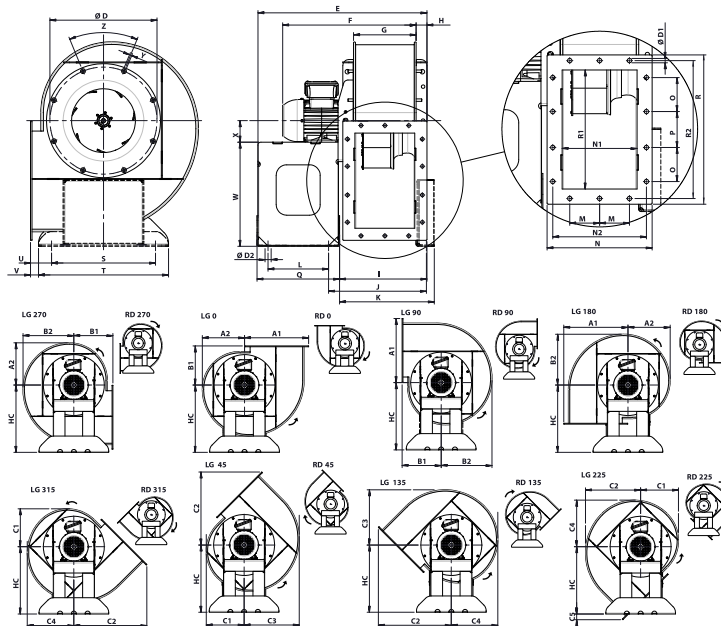
## PERFORMANCE CURVE



## TECHNICAL DATA

Fan							
RPM	2830	Approx. weight	45.97 kg	Max. Flow	4720 m³/h		
Motor							
Power	1,1 kW	RPM	2830	I max. (400V)	2,6 A	Size	80
Approx. weight	11 kg	Efficiency (%)	72 %	FP	0.86		

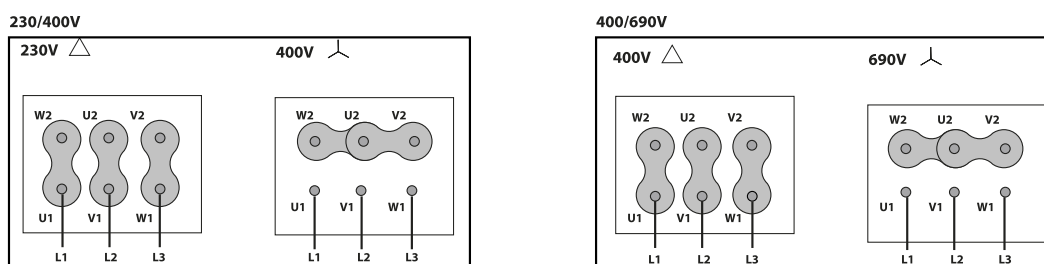
## DIMENSIONS



## Dimensions (mm)

A1	396	A2	260.7	B1	241.3	B2	314.1	C1	234
C2	450.6	C3	340.8	C4	287.4	C5	35	D	354.5
D1	11.5	D2	20	E	558.9	F (±)	459.5	G (±)	207
H	35.5	HC	415.6	I	289	J	324	K	313.5
L	200	M	79	N	278	N1	198	N2	248
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



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



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



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



**CONNECTION FLANGE**  
**AC 300**  
**REF: 960003209**



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



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



**CIRCULAR-CIRCULAR COUPLING FLANGE ATEX FOR STORM**  
**BADS ATEX 315**  
**REF: BADS-3131X0**



**RECTANGULAR-RECTANGULAR COUPLING FLANGE ATEX FOR STORM**  
**BIDS ATEX 198x315-200**  
**REF: BIDS-31198X0**

**COUPLING**



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



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



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



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



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



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



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



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