

NIMUS 801 T6 4kW (std) (NS8016132)

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

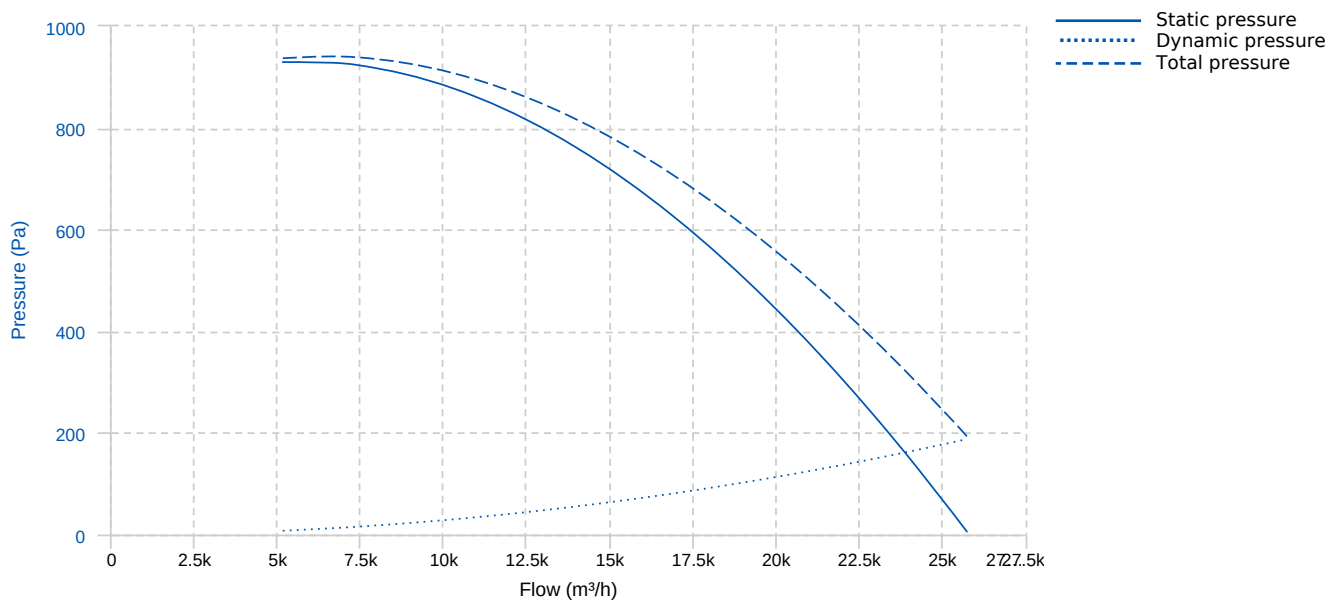
Suitable for moving clean or dusty air. Designed to be installed in conduit for suction or impulsion.

- 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

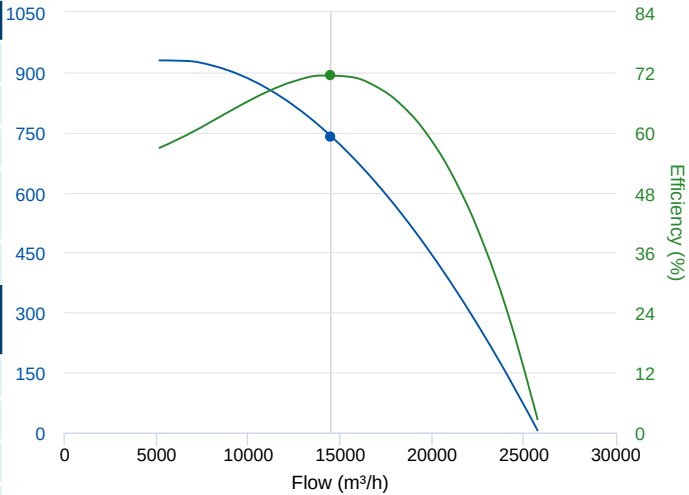


TECHNICAL DATA

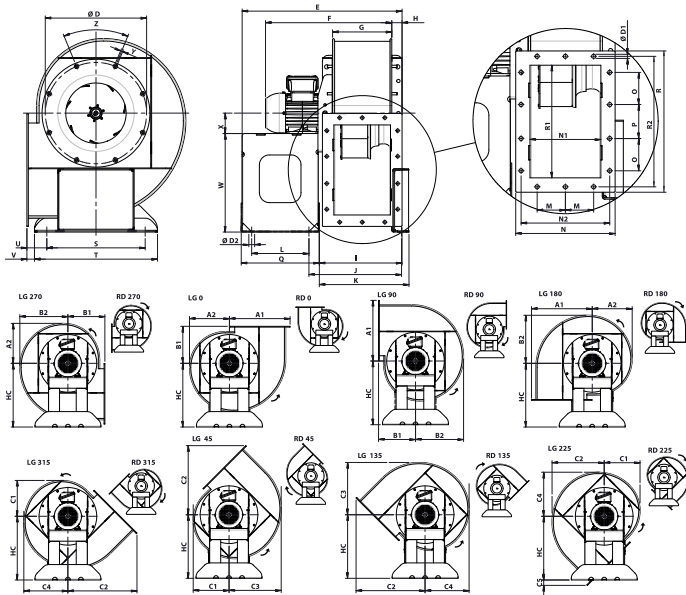
Fan							
RPM	960	Approx. weight	320.46 kg	Max. Flow	25740 m³/h		
Motor							
Power	4 kW	RPM	960	I max. (230V)	16,5 A	I max. (400V)	9,46 A
Size	132M	Approx. weight	68 kg	Efficiency (%)	86.8 %	FP	0.72

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 (%)	71.44	57.08
Efficiency grade (N)	75.36	61
Pabs (kW)	4.237	
Flow (m³/h)	14500.97	
Static pressure (Pa)	740.32	
Speed (m/s)	960	
Specific ratio	1.01	



DIMENSIONS

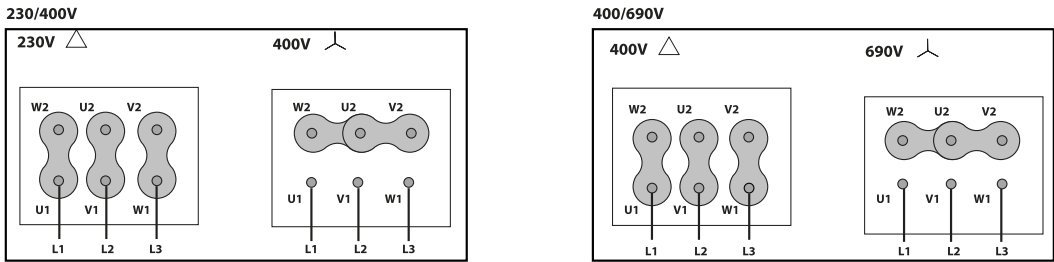


Dimensions (mm)									
A1	945.7	A2	645.3	B1	543.6	B2	781	C1	577.5
C2	1053.1	C3	848.9	C4	713.2	C5	88.1	D	845
D1	11.5	D2	20	E	1125.6	F (±)	1007.6	G (±)	514
H	58.5	HC	965	I	616	J	673.6	K	649.1
L	380	M	202.5	N	585	N1	505	N2	555
O	233	P	234	Q	490.6	R	880	R1	800

Dimensions (mm)

R2	850	S	600	T	680	U	243.6	V	203.6
Y	M8	Z	16x22,5º						

WIRING DIAGRAM



ACCESSORIES



SAFETY SWITCH
INT 25 3P A
REF: INT253PA



ANTI-VIBRATING FLANGE 400º/2H
BA-400 80
REF: 960002059



OUTLET FLANGE FOR STORM MODELS
EIS 800x505-800
REF: EIS-8050580



INLET PROTECTION GUARD FOR CENTRIFUGAL FANS
RA 80
REF: A-243801901



RECTANGULAR-RECTANGULAR ANTI-VIBRATION FLANGE FOR STORM
BIDS 505x800-200
REF: BIDS-80505



ANTI-VIBRATION RUBBER BLOCK
AVR (GENERIC)



CONNECTION FLANGE
AC 800
REF: 960003218



ANTI-VIBRATION JOINT
JE 45
REF: 300719201



CIRCULAR-CIRCULAR ANTI-VIBRATION FLANGE FOR STORM
BADS 800
REF: BADS-8080



OUTLET PROTECTION GUARD FOR STORM FANS
RIS 800x505
REF: RIS-80505E2



FREQUENCY SPEED CONTROLLER
SFC 400 III 12A *
REF: SFC400III12



ANTI-VIBRATION SPRING BLOCK
AVS (GENERIC)



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



**FRONTAL FEET SUPORT
CPD-N80
REF: A-CPD-N80**



**MULTIPOSITION FRONTAL FEET SUPPORT
CPDMP-N80
REF: A-CPDMP-N80**

SPARE PARTS

	Code	Model	Qty
1	R-BAD-N80	INLET CONE 800	x1
2	721001270	MOTOR 4KW T6 B3 230/400V	x1
3	721001270	MOTOR 4KW T6 B3 230/400V	x1