

NIMUS 401 T4 0,55kW (std) (NS401480)

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

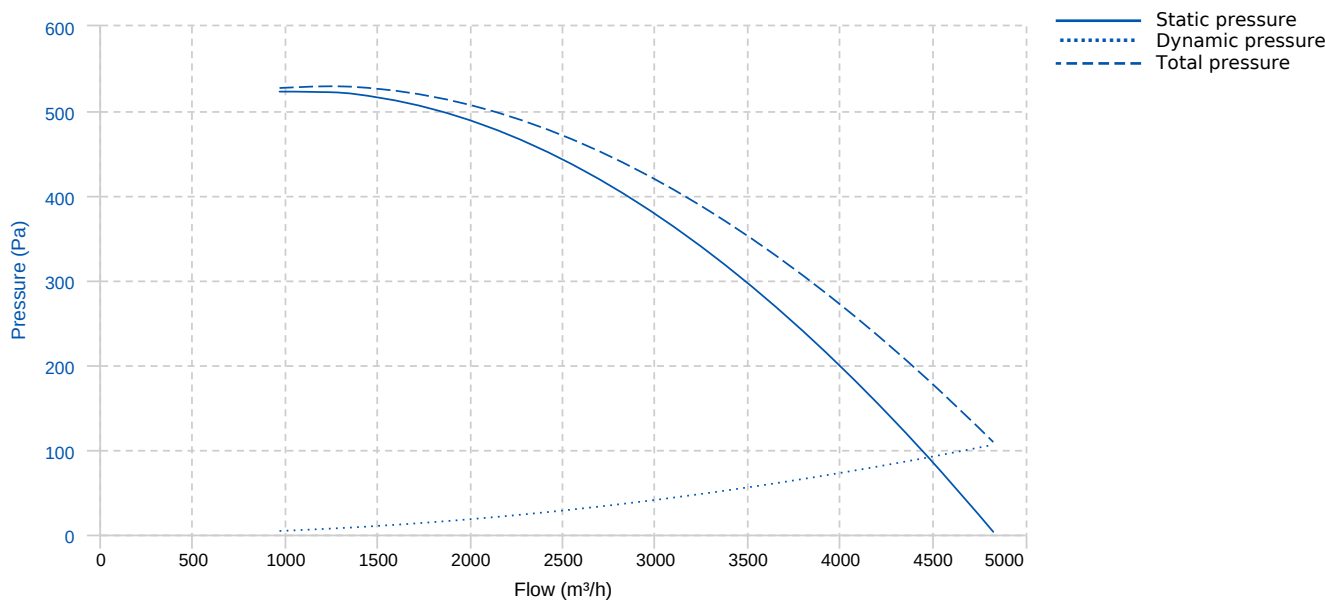
Suitable for moving clean or dusty air. Designed to be installed in conduit for suction or impulsion.

- 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

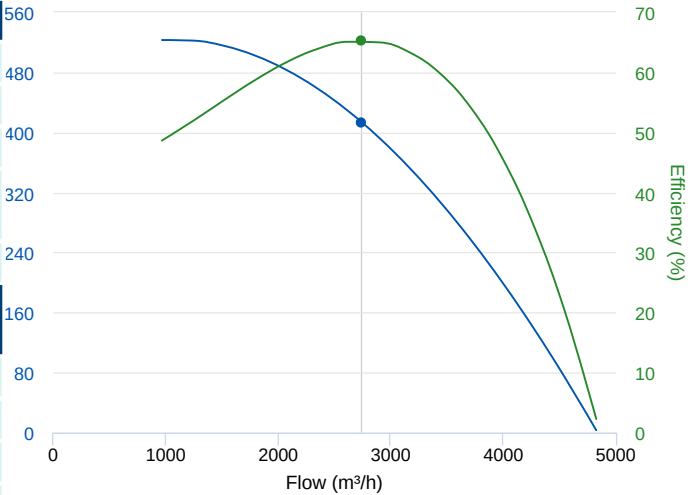


TECHNICAL DATA

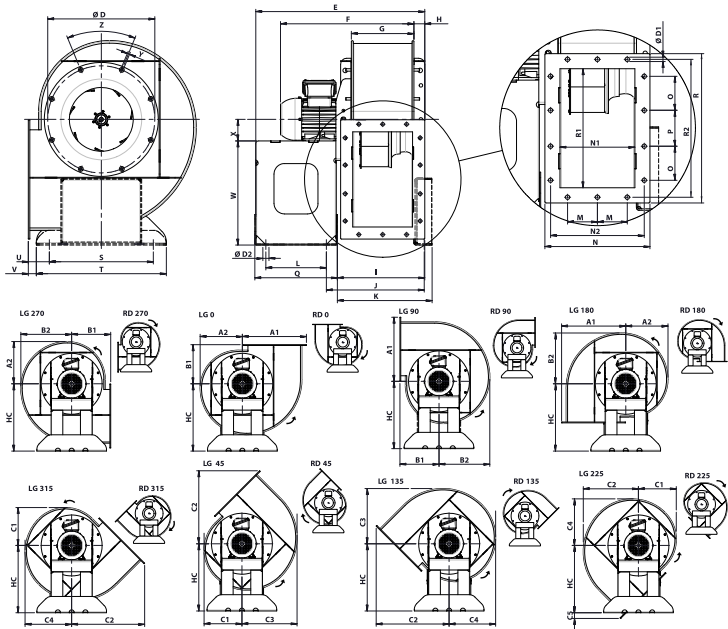
Fan							
RPM	1440	Approx. weight	64.47 kg	Max. Flow	4830 m³/h		
Motor							
Power	0,55 kW	RPM	1440	I max. (230V)	2,57 A	I max. (400V)	1,49 A
Size	80	Approx. weight	9 kg	Efficiency (%)	73.5 %		

ERP DATA

Fan data sheet			560
Fan type	Centrifugal fan backward blades with casing		480
Installation category	A: Outlet and Inlet free discharge		400
Efficiency category	Static		320
The fan has to be installed with VF	No		240
Motor power (kW)	0.55		160
	Fan values	ERP Requirements 2015	80
Max. efficiency (%)	65.22	47.25	0
Efficiency grade (N)	78.97	61	0
Pabs (kW)	0.49		
Flow (m³/h)	2741.55		
Static pressure (Pa)	413.55		
Speed (m/s)	1440		
Specific ratio	1.00		



DIMENSIONS

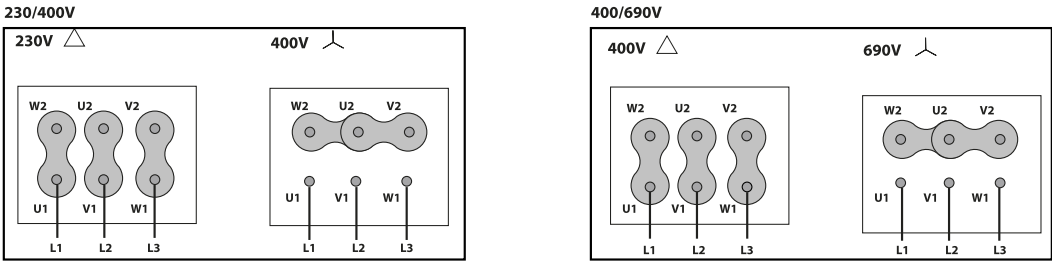


Dimensions (mm)									
A1	493	A2	328.2	B1	294.3	B2	396.1	C1	294.3
C2	556.7	C3	430.1	C4	362.2	C5	46.1	D	438
D1	11.5	D2	20	E	622.8	F (±)	515	G (±)	261
H	35.5	HC	510.6	I	380.4	J	342.9	K	367.4
L	205	M	106	N	332	N1	252	N2	302

Dimensions (mm)

O	120	P	120	Q	282.9	R	480	R1	400
R2	450	S	397	T	473	U	95.8	V	57.8
W	430.6	X	80	Y	M8	Z	8holes x45º		

WIRING DIAGRAM



ACCESSORIES



SAFETY SWITCH
INT 25 3P A
REF: INT253PA



CONNECTION FLANGE
AC 400
REF: 960003212



ANTI-VIBRATION JOINT
JE 45
REF: 300719201



CIRCULAR-CIRCULAR ANTI-VIBRATION FLANGE
FOR STORM
BADS 400
REF: BADS-4040



RECTANGULAR-RECTANGULAR ANTI-VIBRATION
FLANGE FOR STORM
BIDS 252x400-200
REF: BIDS-40252



FREQUENCY SPEED CONTROLLER
SFC 400 III 2,2A *
REF: SFC400III2



INLET PROTECTION GUARD FOR CENTRIFUGAL
FANS
RA 40/16
REF: A-253511901



ANTI-VIBRATING FLANGE 400º/2H
BA-400 40
REF: 960002054



OUTLET FLANGE FOR STORM MODELS
EIS 400x252-400
REF: EIS-4025240



OUTLET PROTECTION GUARD FOR STORM FANS
RIS 400x252
REF: RIS-40252E2



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-N40
REF: A-CPD-N40**



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



**MULTIPOSITION FRONTAL FEET SUPPORT
CPDMP-N40
REF: A-CPDMP-N40**

SPARE PARTS

	Code	Model	Qty
1	R-BAD-N40	INLET CONE 400	x1
2	721001137WEG	MOTOR 0,55KW IE3 4P B3	x1
3	721001137WEG	MOTOR 0,55KW IE3 4P B3	x1