

NIMUS 561 T4 2,2kW (std) (NS5614100)

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

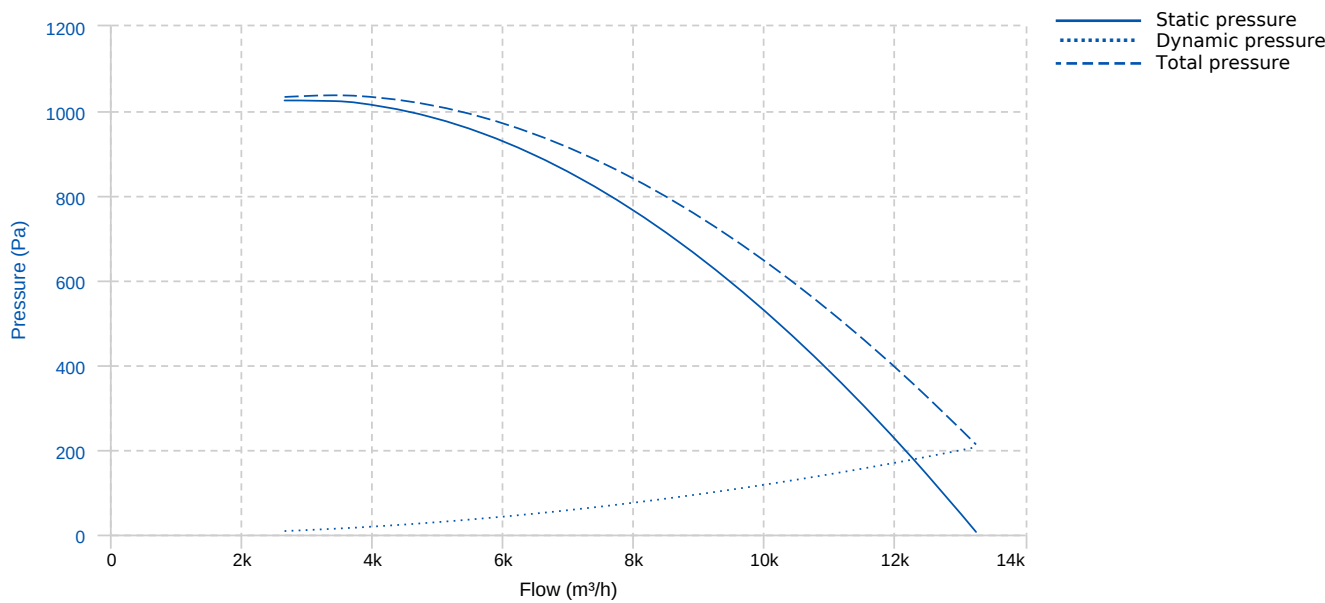
Suitable for moving clean or dusty air. Designed to be installed in conduit for suction or impulsion.

- 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

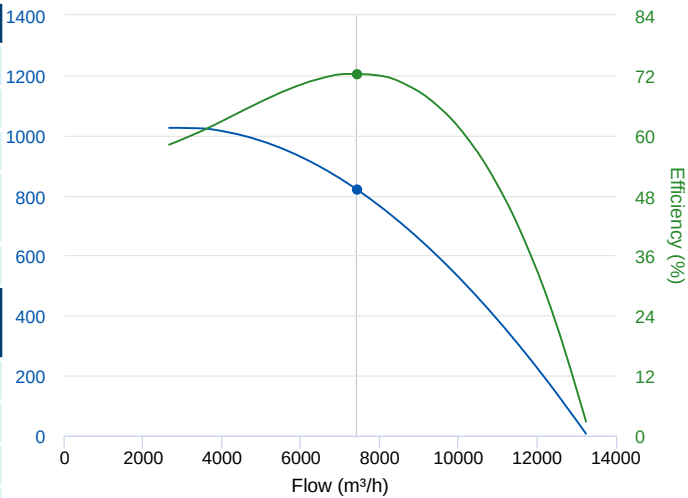


TECHNICAL DATA

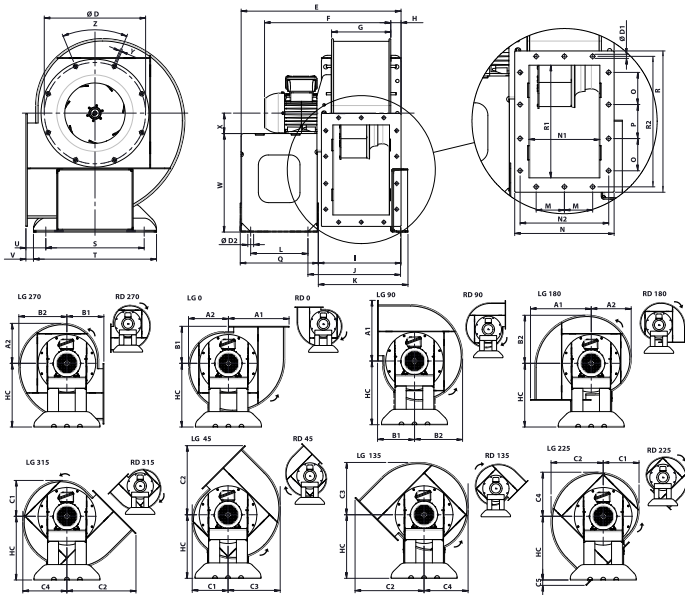
Fan							
RPM	1435	Approx. weight	155.4 kg	Max. Flow	13250 m³/h		
Motor							
Power	2,2 kW	RPM	1435	I max. (230V)	8,07 A	I max. (400V)	4,64 A
Size	100L	Approx. weight	34 kg	Efficiency (%)	86.7 %	FP	0.81

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)	2.2	
	Fan values	ERP Requirements 2015
Max. efficiency (%)	72.35	54.44
Efficiency grade (N)	78.91	61
Pabs (kW)	2.372	
Flow (m³/h)	7428.79	
Static pressure (Pa)	819.09	
Speed (m/s)	1435	
Specific ratio	1.01	



DIMENSIONS

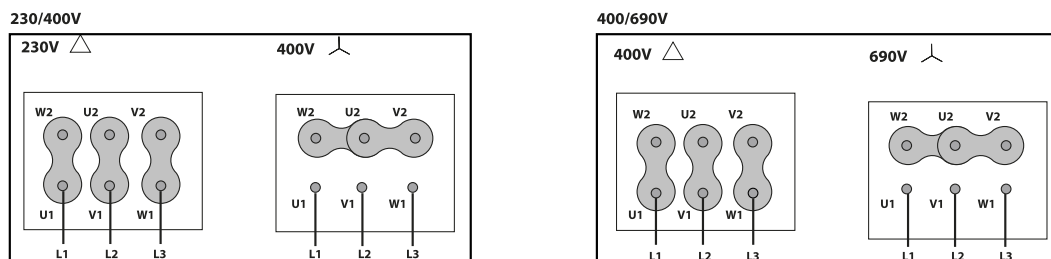


Dimensions (mm)									
A1	674	A2	455	B1	394	B2	550	C1	407.5
C2	755.19	C3	597.5	C4	502.5	C5	60.19	D	608
D1	11.5	D2	20	E	752.8	F (±)	702	G (±)	363
H	58.5	HC	695	I	465.16	J	508.55	K	498.26
L	185	M	147	N	434	N1	354	N2	404
O	165	P	170	Q	264.64	R	640	R1	560

Dimensions (mm)

R2	610	S	397	T	593	U	195.5	V	112.5
W	595	X	100	Y	M8	Z	16x22,5°		

WIRING DIAGRAM



ACCESSORIES



SAFETY SWITCH
INT 25 3P A
REF: INT253PA



CONNECTION FLANGE
AC 560
REF: 960003215



ANTI-VIBRATION JOINT
JE 45
REF: 300719201



CIRCULAR-CIRCULAR ANTI-VIBRATION FLANGE FOR STORM
BADS 560
REF: BADS-5656



RECTANGULAR-RECTANGULAR ANTI-VIBRATION FLANGE FOR STORM
BIDS 354x560-200
REF: BIDS-56354



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



INLET PROTECTION GUARD FOR CENTRIFUGAL FANS
RA 56/18
REF: A-243561901



ANTI-VIBRATING FLANGE 400°/2H
BA-400 56
REF: 960002056



OUTLET FLANGE FOR STORM MODELS
EIS 560x354-560
REF: EIS-5635456



OUTLET PROTECTION GUARD FOR STORM FANS
RIS 560x354
REF: RIS-56354E2



FREQUENCY SPEED CONTROLLER
SFC 230 I 10A *
REF: SFC230I0010



ANTI-VIBRATION RUBBER BLOCK
AVR (GENERIC)



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



**FRONTAL FEET SUPORT
CPD-N56
REF: A-CPD-N56**



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



**MULTIPOSITION FRONTAL FEET SUPPORT
CPDMP-N56
REF: A-CPDMP-N56**

SPARE PARTS

	Code	Model	Qty
1	R-BAD-N56V2	INLET CONE 560	x1
2	721001161	MOTOR 2,2kW T4 B3 230/400V	x1
3	721001161	MOTOR 2,2kW T4 B3 230/400V	x1