

NIMUS 351 T2 2,2kW (std) (NS351290)

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

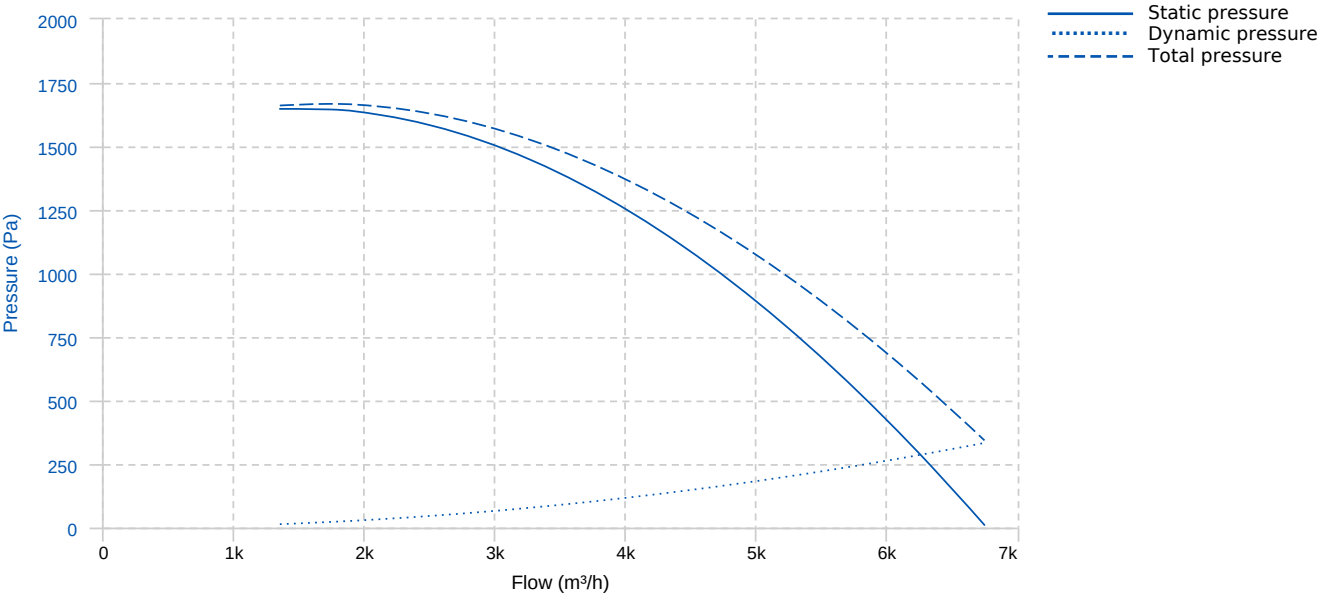
Suitable for moving clean or dusty air. Designed to be installed in conduit for suction or impulsion.

- 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

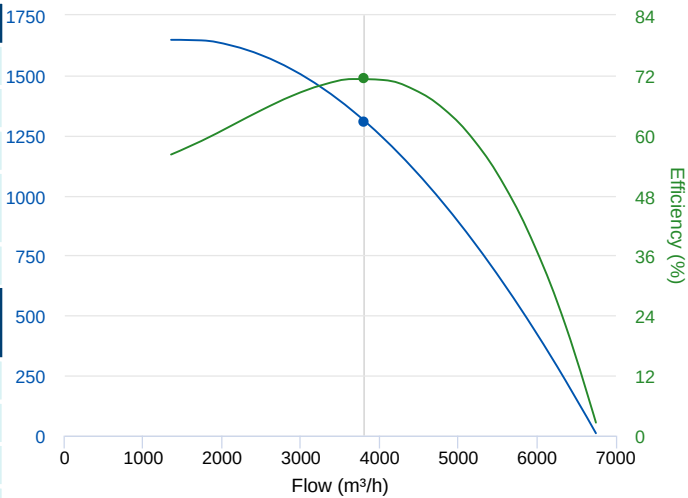


TECHNICAL DATA

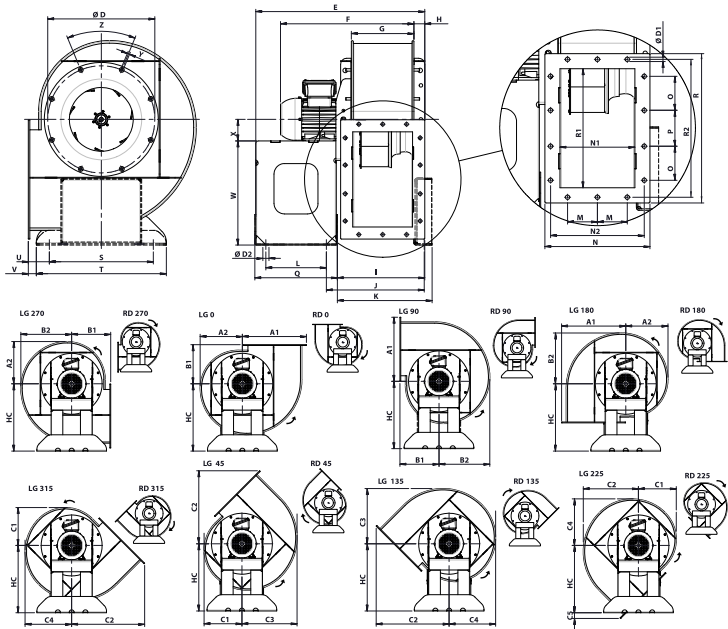
Fan							
RPM	2840	Approx. weight	69.12 kg	Max. Flow	6750 m³/h		
Motor							
Power	2,2 kW	RPM	2840	I max. (230V)	7,97 A	I max. (400V)	4,58 A
Size	90L	Approx. weight	25 kg	Efficiency (%)	85.9 %	FP	0.83

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 (%)	71.36	53.59
Efficiency grade (N)	78.76	61
Pabs (kW)	1.971	
Flow (m³/h)	3808.63	
Static pressure (Pa)	1309.93	
Speed (m/s)	2840	
Specific ratio	1.01	



DIMENSIONS

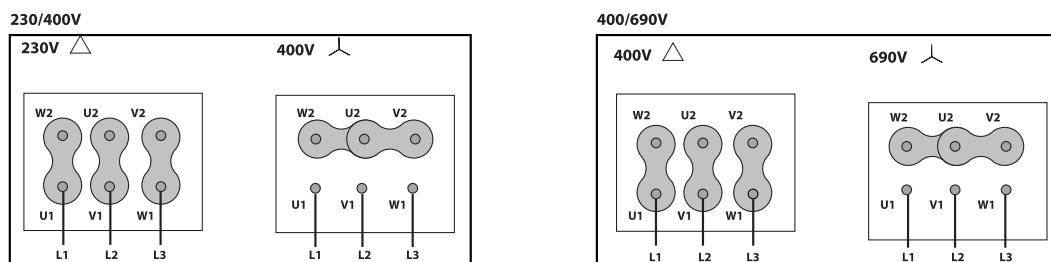


Dimensions (mm)									
A1	441.8	A2	292.4	B1	266.2	B2	352.6	C1	262.3
C2	500.6	C3	382.7	C4	322.5	C5	40	D	394.5
D1	11.5	D2	20	E	594.8	F (±)	534	G (±)	233
H	35.5	HC	460.6	I	352.4	J	314.9	K	339.4
L	205	M	92	N	304	N1	224	N2	274

Dimensions (mm)

O	105	P	105	Q	282.9	R	435	R1	355
R2	405	S	397	T	473	U	67.7	V	29.7
W	370.6	X	90	Y	M8	Z	8holes x45°		

WIRING DIAGRAM



ACCESSORIES



SAFETY SWITCH
INT 25 3P A
REF: INT253PA



CONNECTION FLANGE
AC 350
REF: 960003211



ANTI-VIBRATION JOINT
JE 45
REF: 300719201



CIRCULAR-CIRCULAR ANTI-VIBRATION FLANGE FOR STORM
BADS 350
REF: BADS-3535



RECTANGULAR-RECTANGULAR ANTI-VIBRATION FLANGE FOR STORM
BIDS 224x355-200
REF: BIDS-35224



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



INLET PROTECTION GUARD FOR CENTRIFUGAL FANS
RA 35/14
REF: A-253481901



ANTI-VIBRATING FLANGE 400°/2H
BA-400 35
REF: 960002053



OUTLET FLANGE FOR STORM MODELS
EIS 355x224-350
REF: EIS-3522435



OUTLET PROTECTION GUARD FOR STORM FANS
RIS 355x224
REF: RIS-35224E2



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-N35
REF: A-CPD-N35**



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



**MULTIPOSITION FRONTAL FEET SUPPORT
CPDMP-N35
REF: A-CPDMP-N35**

SPARE PARTS

	Code	Model	Qty
1	R-BAD-N35	INLET CONE 355	x1
2	721001053	MOTOR 2,2kW T2 B3 230/400V	x1
3	721001053	MOTOR 2,2kW T2 B3 230/400V	x1