

NIMUS 711 T4 7,5kW (std) (NS7114132)

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

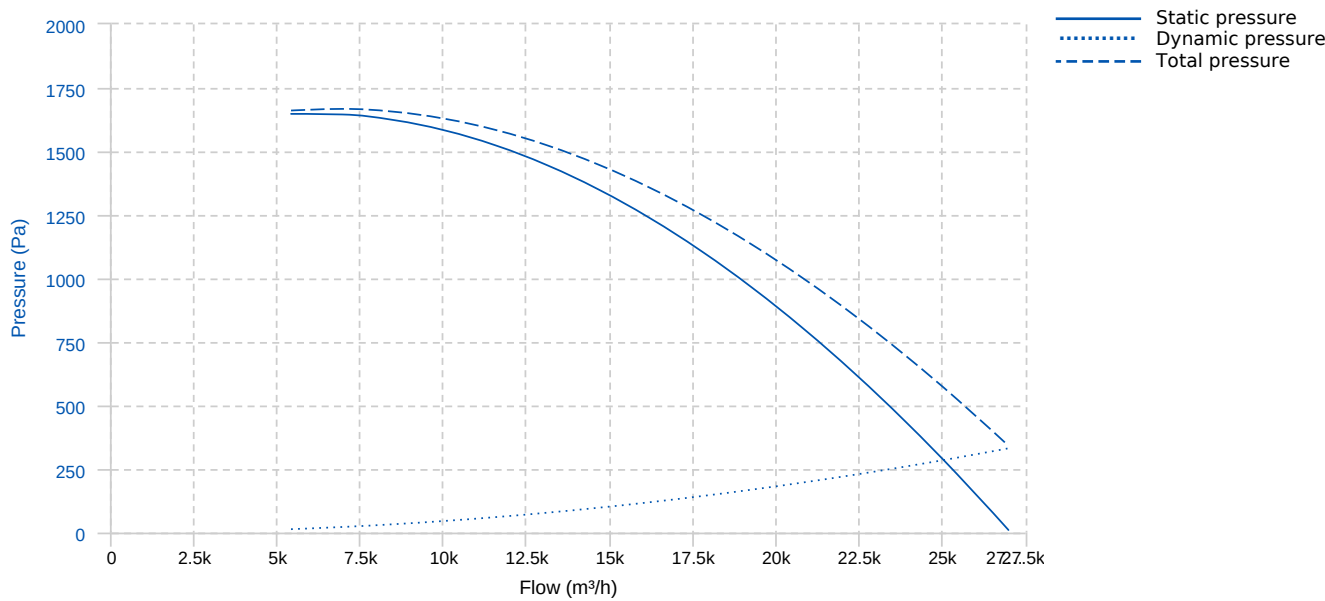
Suitable for moving clean or dusty air. Designed to be installed in conduit for suction or impulsion.

- 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

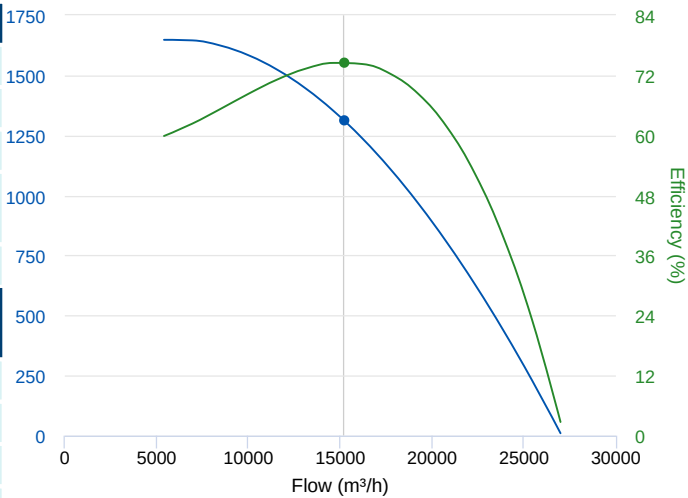


TECHNICAL DATA

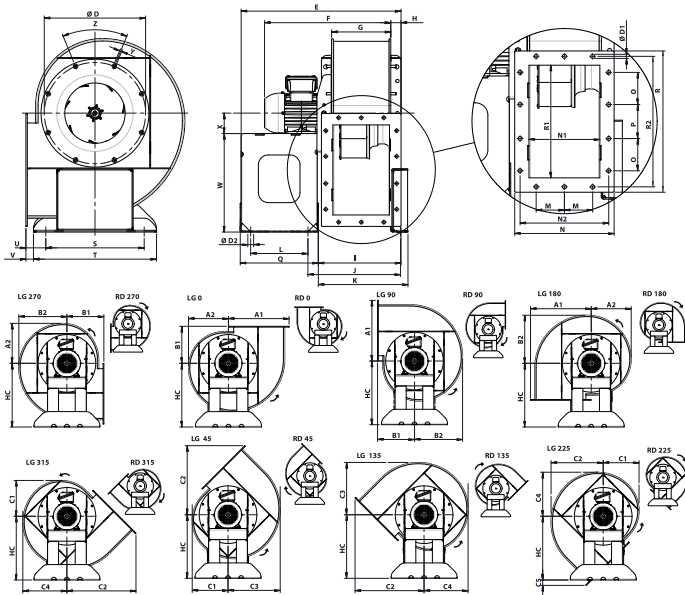
Fan							
RPM	1455	Approx. weight	270.22 kg	Max. Flow	26990 m³/h		
Motor							
Power	7,5 kW	RPM	1455	I max. (400V)	14,1 A	I max. (690V)	8,17 A
Size	132M	Approx. weight	68 kg	Efficiency (%)	90.4 %	FP	0.86

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)	7.5	
	Fan values	ERP Requirements 2015
Max. efficiency (%)	74.57	59.71
Efficiency grade (N)	75.86	61
Pabs (kW)	7.542	
Flow (m³/h)	15211.03	
Static pressure (Pa)	1311.61	
Speed (m/s)	1455	
Specific ratio	1.01	



DIMENSIONS

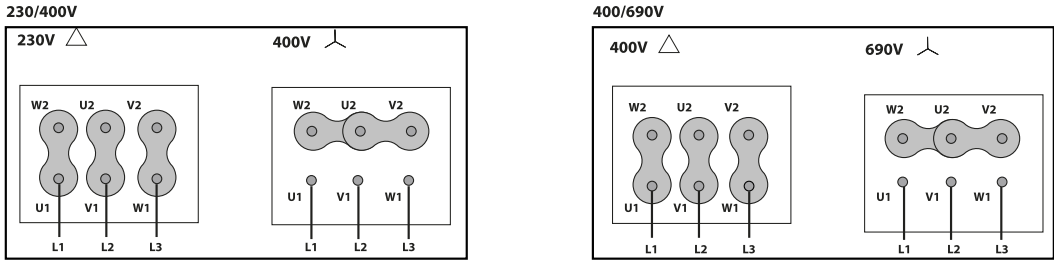


Dimensions (mm)									
A1	843.7	A2	573.9	B1	487.5	B2	694.3	C1	513.7
C2	941.3	C3	754.5	C4	634.1	C5	76.3	D	755
D1	11.5	D2	20	E	1048.61	F (±)	890.3	G (±)	458
H	58.5	HC	865	I	560.43	J	604.1	K	593.53
L	385	M	184.5	N	529	N1	449	N2	499
O	210	P	210	Q	465.19	R	790	R1	710

Dimensions (mm)

R2	760	S	487	T	563	U	244	V	206
W	733	X	132	Y	M8	Z	16x22,5º		

WIRING DIAGRAM



ACCESSORIES



SAFETY SWITCH
INT 25 3P A
REF: INT253PA



INLET PROTECTION GUARD FOR CENTRIFUGAL FANS
RA 71/22
REF: A-243711901



CONNECTION FLANGE
AC 710
REF: 960003217



ANTI-VIBRATING FLANGE 400º/2H
BA-400 71
REF: 960002058



ANTI-VIBRATION JOINT
JE 45
REF: 300719201



OUTLET FLANGE FOR STORM MODELS
EIS 710x449-710
REF: EIS-7144971



CIRCULAR-CIRCULAR ANTI-VIBRATION FLANGE FOR STORM
BADS 710
REF: BADS-7171



OUTLET PROTECTION GUARD FOR STORM FANS
RIS 710x449
REF: RIS-71449E2



RECTANGULAR-RECTANGULAR ANTI-VIBRATION FLANGE FOR STORM
BIDS 449x710-200
REF: BIDS-71449



FREQUENCY SPEED CONTROLLER
SFC 400 III 16A *
REF: SFC400III16



ANTI-VIBRATION RUBBER BLOCK
AVR (GENERIC)



ANTI-VIBRATION SPRING BLOCK
AVS (GENERIC)



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



**FRONTAL FEET SUPORT
CPD-N71
REF: A-CPD-N71**



**MULTIPOSITION FRONTAL FEET SUPPORT
CPDMP-N71
REF: A-CPDMP-N71**

SPARE PARTS

	Code	Model	Qty
1	R-BAD-N71	INLET CONE 710	x1
2	721001187	MOTOR 7,5kW T4 B3 400/690V	x1
3	721001187	MOTOR 7,5kW T4 B3 400/690V	x1