

IGNÉO 711 T4 7,5kW (IG7114132)

GENERAL DATA



MEDIUM PRESSURE FAN WITH BACKWARD IMPELLER 400°C/2H CERTIFIED INSIDE THE HAZARDOUS AREA

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. Graffiti black RAL 9005.
- Motor with S1 service class for continuous operation and approved 400°C / 2h for service class S2. IEC standardized asynchronous squirrel-cage motor with IP-55 protection and electrical insulation class H. Standard voltages 400V(Y) 50Hz in three phase motors up to 3kW and 400(D) 50Hz for higher powers.
- Motor with foot (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.
- Inspection door to facilitate maintenance and cleaning.
- Available in the following orientations (to be indicated in case of order): LG0, LG45, LG90, LG135, LG180; LG225, LG270, LG315, RD0, RD45, RD90, RD135, RD180; RD225, RD270, RD315.
- Maximum working temperature in continuous: air transported: 130°C (service S1) and 400°C/2h (service S2), and maximum environment temperature: 60°C.

APPLICATIONS

Installation in conduit for the impulsion or aspiration of clean and dusty air in:

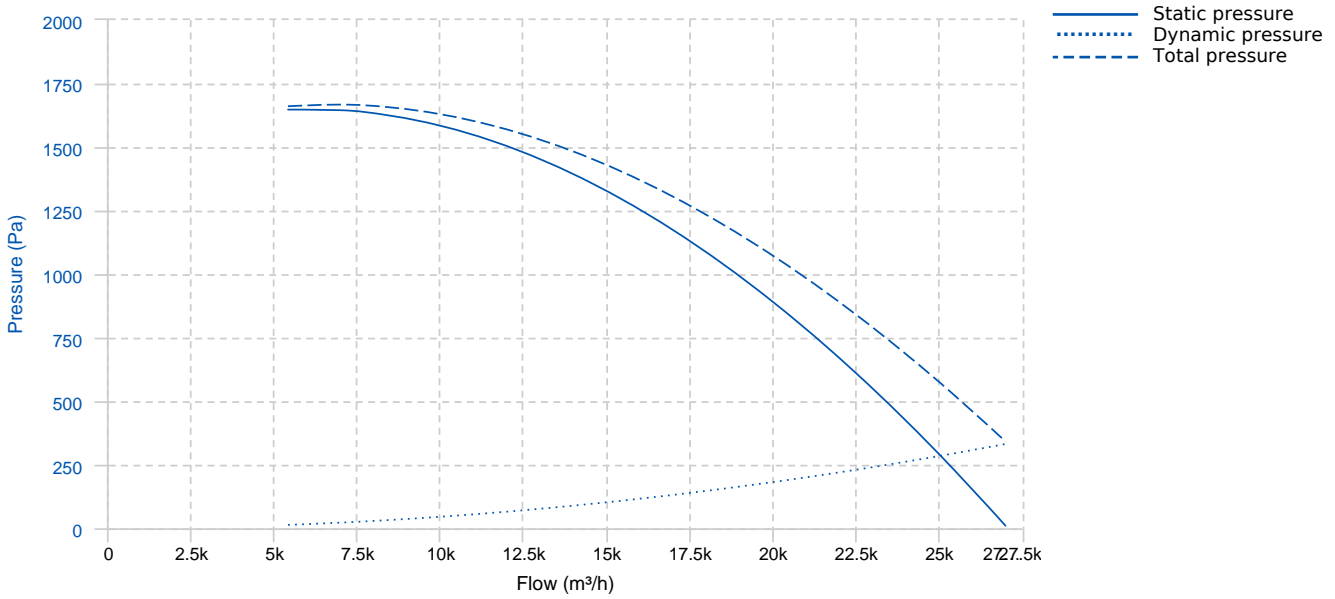
- Big buildings
- Malls
- Factories / Industrial buildings
- Warehouses
- Parking lots
- Catering / Hospitality
- Extraction of smoke
- Boilers and ovens
- Manufacture and treatment of chemical products.
- Tunnels, underground stations.

UNDER REQUEST

- Fans to work at 60Hz and special voltages.
- 2 speed motor.
- C4-C5
- Hot dip galvanized
- Fully welded housing (watertight)
- Drain plug

Official homologation by the European laboratory APPLUS according to EN 12101-3:2015

PERFORMANCE CURVE

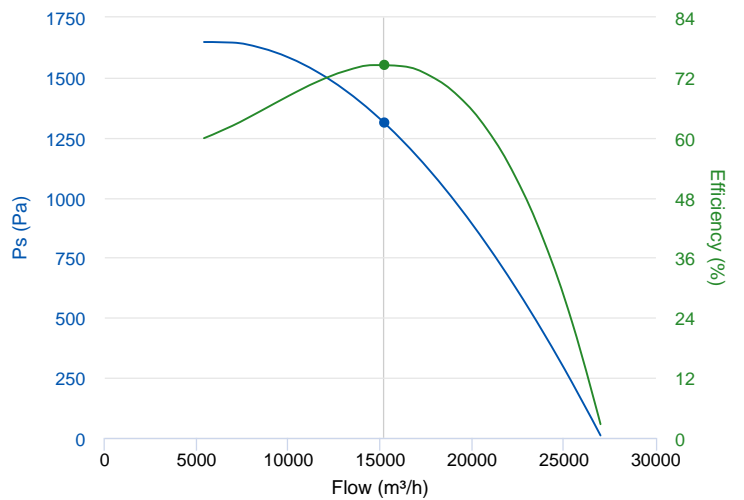


TECHNICAL DATA

Fan							
RPM	1453	Approx. weight	315 kg	Max. Flow	28410 m³/h		
Motor							
Power	7,5 kW	RPM	1453	I max. (400V)	14,46 A	Size	132M
Approx. weight	72 kg	Efficiency (%)	90.1 %	FP	0.85		

ERP DATA

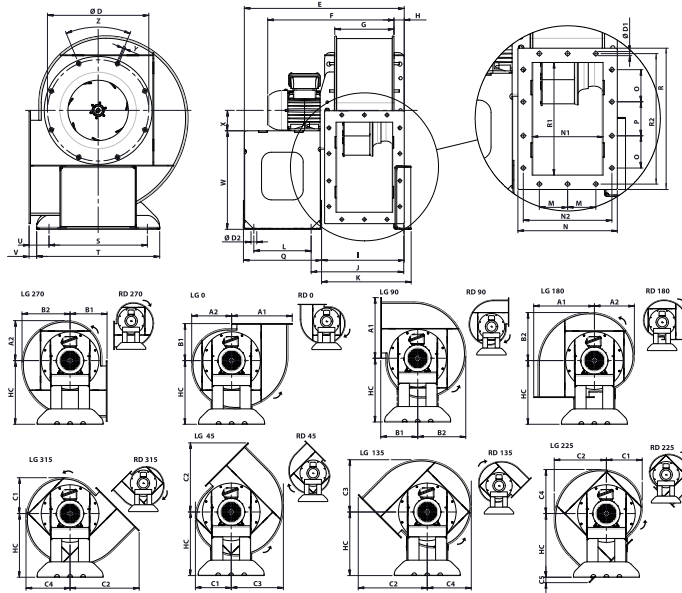
Fan data sheet		
Fan type	Centrifugal fan backward blades with casing	
Installation category	A: Outlet and Inlet free discharge	
Efficiency category	Static	
The fan has to be installed with VF	No	
Motor power (kW)	7.5	
	Fan values	ERP Requirements 2015
Max. efficiency (%)	74.57	56.66
Efficiency grade (N)	75.86	57.95
Pabs (kW)	7.542	
Flow (m³/h)	15211.03	
Static pressure (Pa)	1311.61	
Speed (m/s)	1453	



Fan values	ERP Requirements 2015
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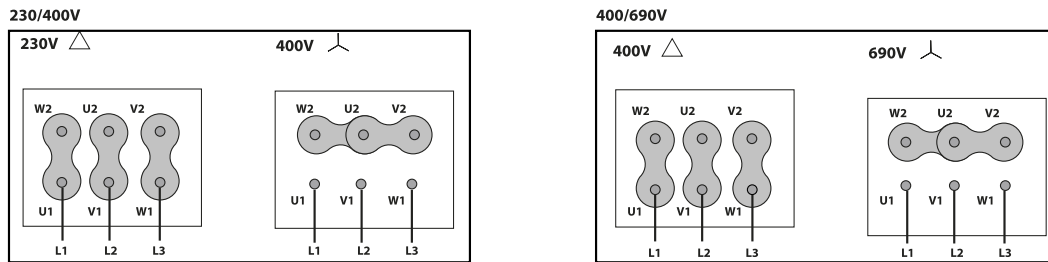
Specific ratio	1.01
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DIMENSIONS



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

WIRING DIAGRAM



ACCESSORIES



SAFETY SWITCH
INT 25 3P A
REF: INT253PA



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



CONNECTION FLANGE
AC 710
REF: 960003217



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



ANTI-VIBRATION JOINT
JE 45
REF: 300719201



SAFETY SWITCH FOR 400°/2h
INT 400 40A 3P
REF: 508904001



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



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



CIRCULAR-CIRCULAR COUPLING FLANGE FOR HIGH TEMPERATURES
BADS M0 710
REF: BADS-7171F4



RECTANGULAR-RECTANGULAR COUPLING FLANGE FOR HIGH TEMPERATURES
BIDS M0 449x710-200
REF: BIDS-71449F4



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: CPD-N71



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

SPARE PARTS

	Code	Model	Qty
2	R-BAD-N71	INLET CONE 710	x1
3	721881187	MOTOR 7,5KW T4 B3 400G	x1