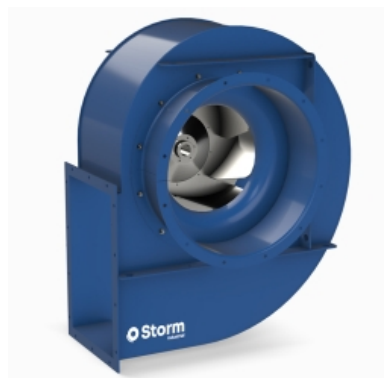


PRESTUR 631 T4 4kW (std) (PS6314112)

GENERAL DATA



MEDIUM PRESSURE FAN FOR PAINT BOOTHS

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 painting 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 400/690V50Hz for higher powers.
- Motor with flange (B5), airtight axle
- Double suction flange
- Maximum working temperature in continuous: transported air: 130°C, ambient: 60°C.
- Available positions (to be indicated in case of order): LG and RD
- The indicated codes correspond to the model in position LG

APPLICATIONS

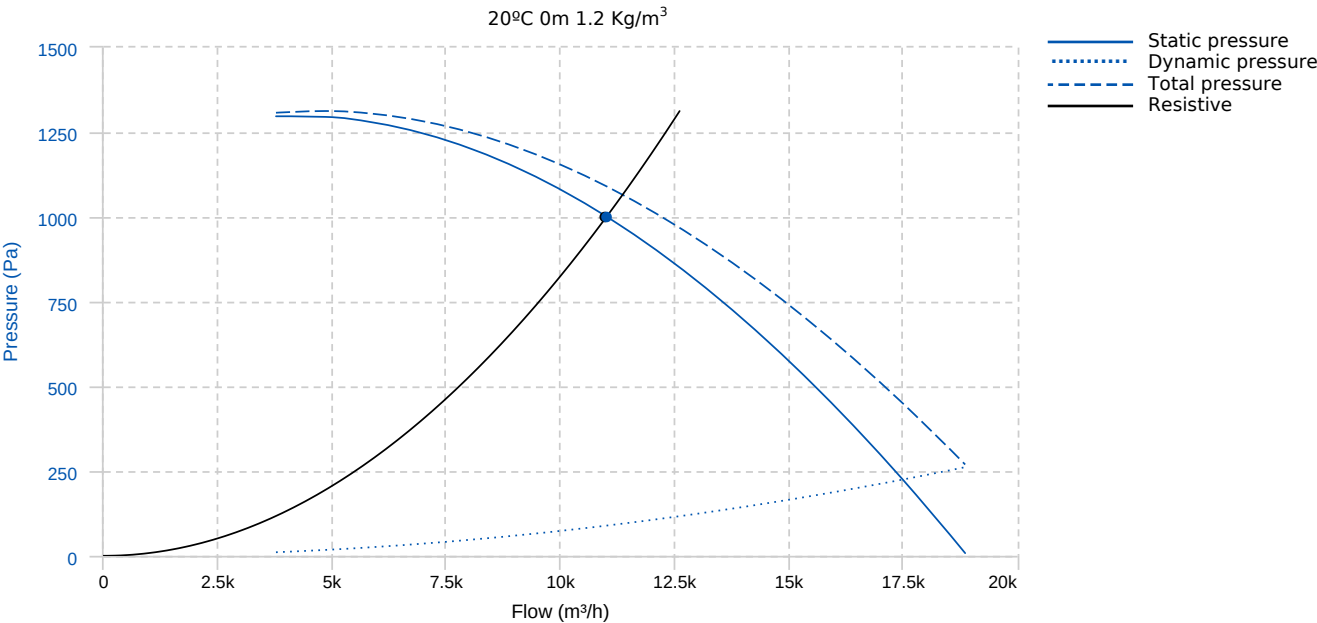
Suitable for moving clean or dusty air. Designed to be fixed in the double suction flange, with the motor in vertical position.

- 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.
- Non-sparking air passage and standard motor
- Other brands of motors.

PERFORMANCE CURVE



Design point

Flow (m³/h)	11000	Pressure (Pa)	1000
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Service point

T.max (°C)	135	Q (m³/h)	11005.57	Ps (Pa)	1001.01	Pd (Pa)	89.16
Pt (Pa)	1090.17	Speed (m/s)	12.19	Security coefficient	1.05	Fan total efficiency	78.83
Mechanical total efficiency	88.76	Pabs (kW) 1.2 kg/m³	4.27	Pw.mec (kW)	3.8	SFP (W/l/s) 1.2 kg/m³	1.4

TECHNICAL DATA

Fan

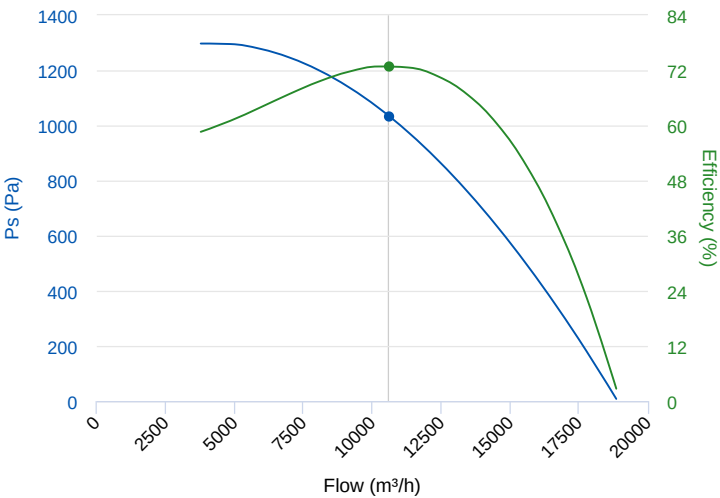
RPM	1440	Approx. weight	200.8 kg	Max. Flow	18860 m³/h
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Motor

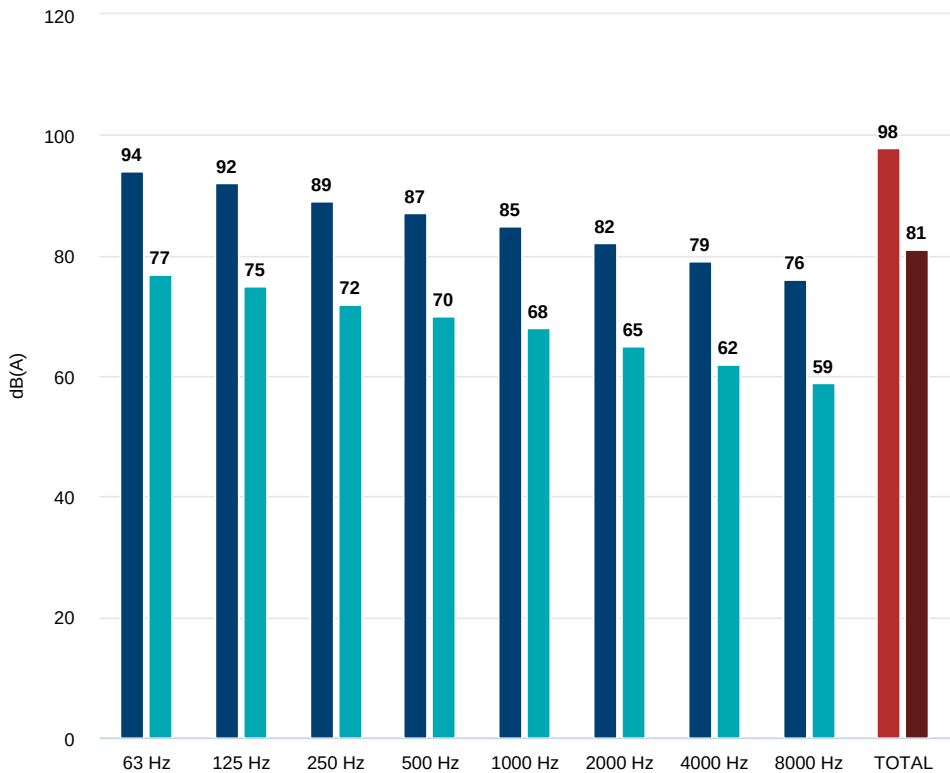
Power	4 kW	RPM	1440	I max. (230V)	14,5 A	I max. (400V)	8,32 A
Size	112M	Approx. weight	35.8 kg	Efficiency (%)	86.6 %	FP	0.8

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)	4	
	Fan values	ERP Requirements 2015
Max. efficiency (%)	72.94	57.09
Efficiency grade (N)	76.85	61
Pabs (kW)	4.241	
Flow (m³/h)	10619.52	
Static pressure (Pa)	1033.28	
Speed (m/s)	1440	
Specific ratio	1.01	



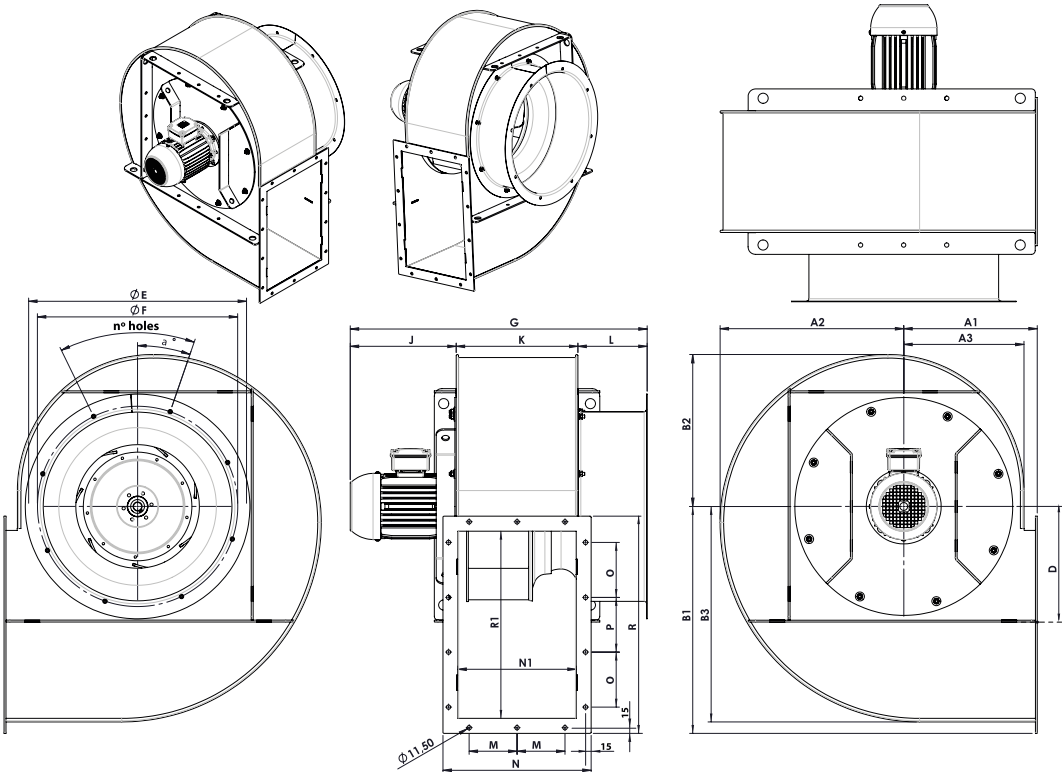
ACOUSTIC DATA (INLET)



Sound power	
63 Hz	94
125 Hz	92
250 Hz	89
500 Hz	87
1000 Hz	85
2000 Hz	82
4000 Hz	79
8000 Hz	76
TOTAL	98

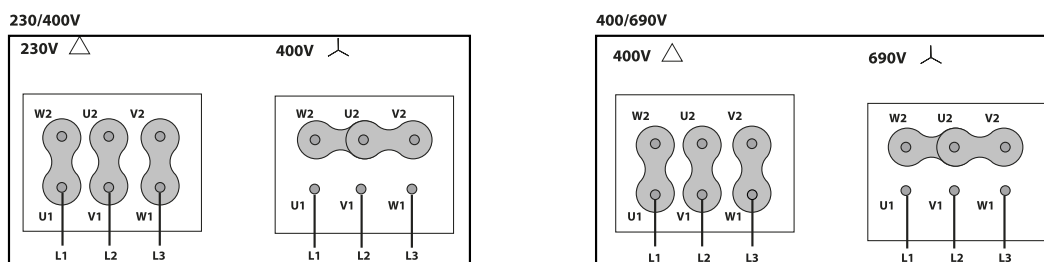
Sound pressure 3m Q=2	
63 Hz	77
125 Hz	75
250 Hz	72
500 Hz	70
1000 Hz	68
2000 Hz	65
4000 Hz	62
8000 Hz	59
TOTAL	81

DIMENSIONS



Dimensions (mm)									
A1	437.6	A2	615.9	A3	402.1	B1	753.3	B2	509
B3	722.8	D	398.3	E	710	F	675	G	924.6
J	332.6	K	407	L	185	M	169	N	478
N1	398	O	190	P	190	R	710	R1	630
aº	11,25º	nºholes	16x22,5º						

WIRING DIAGRAM



ACCESSORIES



SAFETY SWITCH
INT 25 3P A
REF: INT253PA



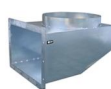
CONNECTION FLANGE
AC 630
REF: 960003216



ANTI-VIBRATION JOINT
JE 45
REF: 300719201



CIRCULAR-CIRCULAR ANTI-VIBRATION FLANGE FOR STORM
BADS 630
REF: BADS-6363



OUTLET BEND FOR STORM FANS
CPS 630x398-630
REF: CPS-6339863



FREQUENCY SPEED CONTROLLER
SFC 400 III 12A *
REF: SFC400III12



ANTI-VIBRATION SPRING BLOCK
AVS (GENERIC)



INLET PROTECTION GUARD FOR CENTRIFUGAL FANS
RA 63/20
REF: 254541901



ANTI-VIBRATING FLANGE 400°/2H
BA-400 63
REF: 960002057



OUTLET FLANGE FOR STORM MODELS
EIS 630x398-630
REF: EIS-6339863



OUTLET PROTECTION GUARD FOR STORM FANS
RIS 630x398
REF: RIS-63398E2



RECTANGULAR-RECTANGULAR ANTI-VIBRATION FLANGE FOR STORM
BIDS 398x630-200
REF: BIDS-63398



ANTI-VIBRATION RUBBER BLOCK
AVR (GENERIC)



ACOUSTIC CABINS FOR CENTRIFUGAL FANS
AB (GENERIC)



SPARE PARTS

	Code	Model	Qty
1	R-BAD-N63V2	INLET CONE 630	x1
2	721001185	MOTOR 7,5kW T4 B5 400/690V	x1
3	721001176	MOTOR 4KW T4 B5 400/690V	x1