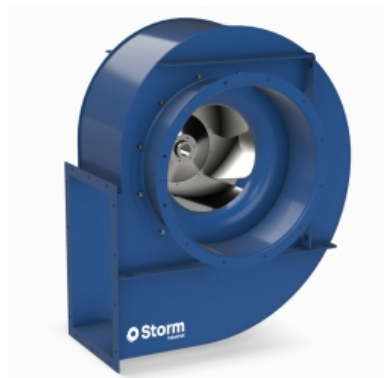


PRESTUR 501 T4 1,5kW (std) (PS501490)

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

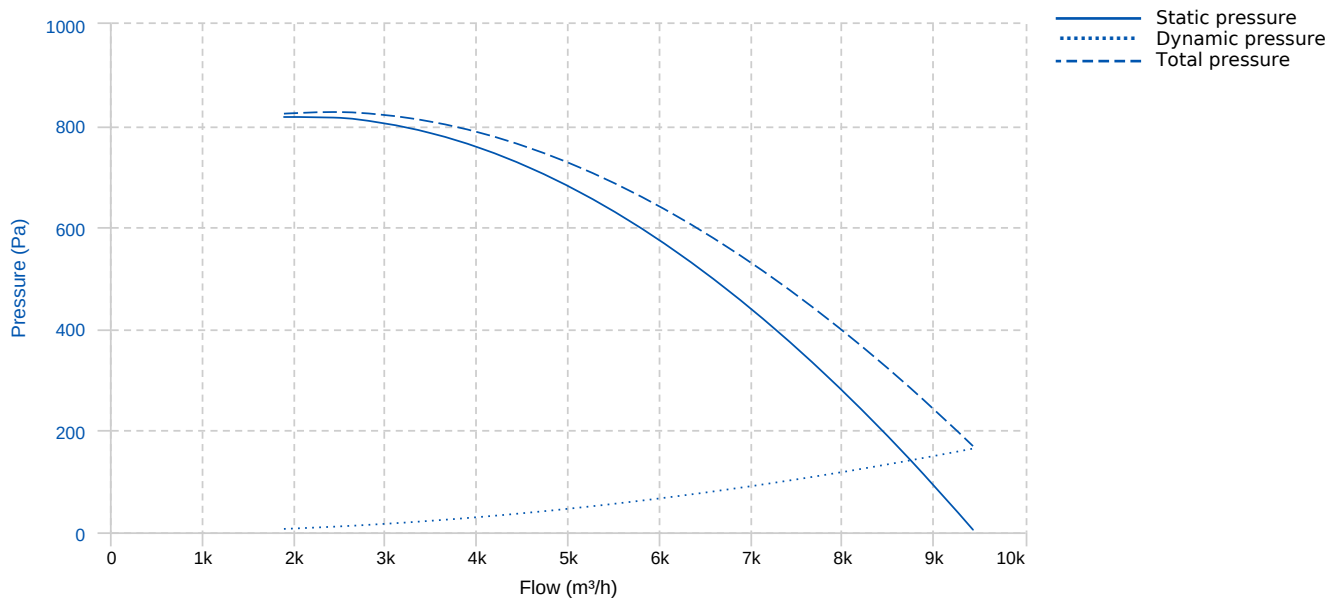
Suitable for moving clean or dusty air. Designed to be fixed in the double suction flange, with the motor in vertical position.

- 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

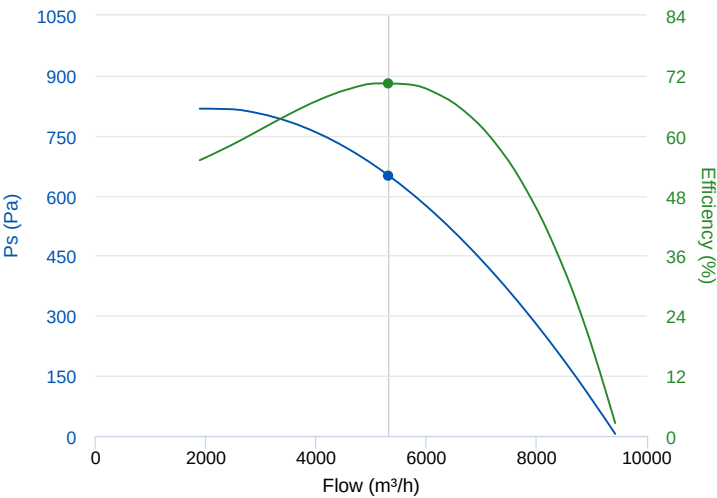


TECHNICAL DATA

Fan							
RPM	1450	Approx. weight	122 kg	Max. Flow	9430 m³/h		
Motor							
Power	1,5 kW	RPM	1450	I max. (230V)	5,67 A	I max. (400V)	3,26 A
Size	90L	Approx. weight	22 kg	Efficiency (%)	85.3 %	FP	0.8

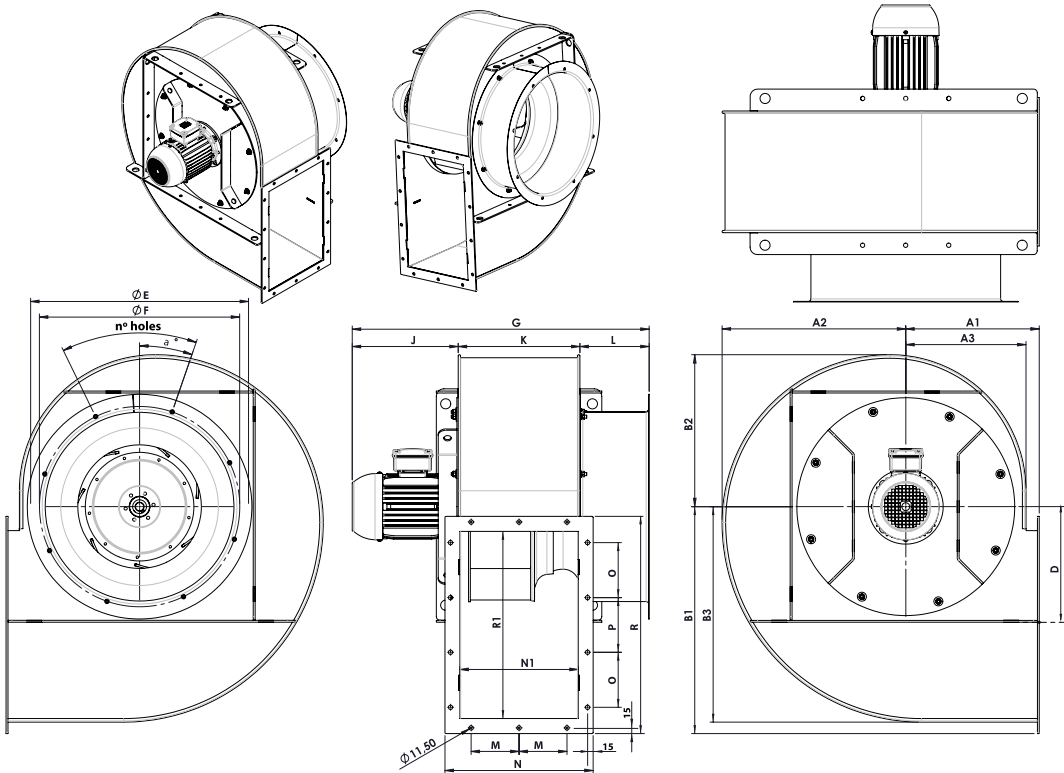
ERP DATA

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)	1.5	
	Fan values	ERP Requirements 2015
Max. efficiency (%)	70.53	51.98
Efficiency grade (N)	79.55	61
Pabs (kW)	1.382	
Flow (m³/h)	5325.57	
Static pressure (Pa)	649.13	
Speed (m/s)	1450	



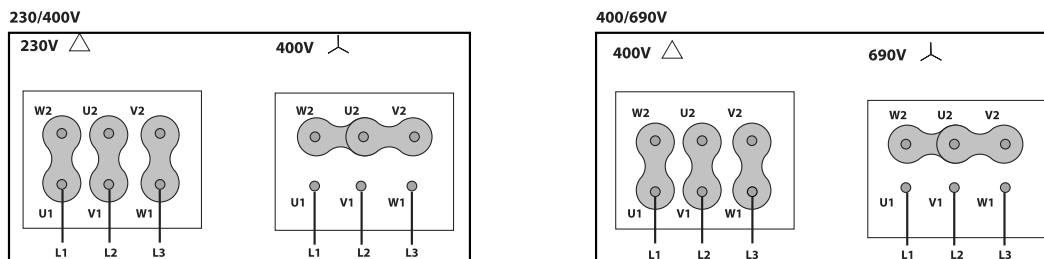
	Fan values	ERP Requirements 2015
Specific ratio	1.01	

DIMENSIONS



Dimensions (mm)									
A1	356.6	A2	490.7	A3	321.1	B1	606	B2	405.9
B3	575.5	D	316	E	582	F	535	G	788
J	278	K	325	L	185	M	128	N	396
N1	316	O	147	P	146	R	580	R1	500
aº	22,5º	nºholes	8x45º						

WIRING DIAGRAM



ACCESSORIES



SAFETY SWITCH
INT 25 3P A
REF: INT253PA



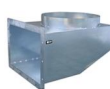
CONNECTION FLANGE
AC 500
REF: 960003214



ANTI-VIBRATION JOINT
JE 45
REF: 300719201



CIRCULAR-CIRCULAR ANTI-VIBRATION FLANGE FOR STORM
BADS 500
REF: BADS-5050



OUTLET BEND FOR STORM FANS
CPS 500x316-500
REF: CPS-5031650



FREQUENCY SPEED CONTROLLER
SFC 230 I 7A *
REF: SFC230I007



ANTI-VIBRATION RUBBER BLOCK
AVR (GENERIC)



INLET PROTECTION GUARD FOR CENTRIFUGAL FANS
RA 50/16
REF: A-243501901



ANTI-VIBRATING FLANGE 400°/2H
BA-400 50
REF: 960002064



OUTLET FLANGE FOR STORM MODELS
EIS 500x316-500
REF: EIS-5031650



OUTLET PROTECTION GUARD FOR STORM FANS
RIS 500x316
REF: RIS-50316E2



RECTANGULAR-RECTANGULAR ANTI-VIBRATION FLANGE FOR STORM
BIDS 316x500-200
REF: BIDS-50316



FREQUENCY SPEED CONTROLLER
SFC 400 III 3,6A *
REF: SFC400III4



ANTI-VIBRATION SPRING BLOCK
AVS (GENERIC)



ACOUSTIC CABINS FOR CENTRIFUGAL FANS
AB (GENERIC)

SPARE PARTS

	Code	Model	Qty
1	R-BAD-N50	INLET CONE 500	x1
2	721001160	MOTOR 2,2kW T4 B5 230/400V	x1
3	721001156	MOTOR 1,5kW T4 B5 230/400V	x1