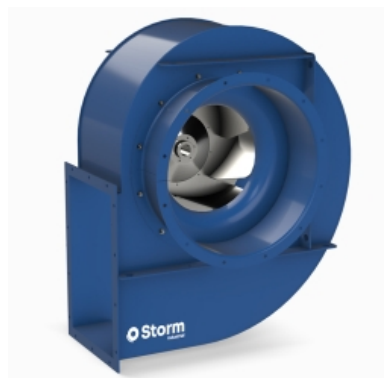


## PRESTUR 801 T4 15kW (std) (PS8014160)

### 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

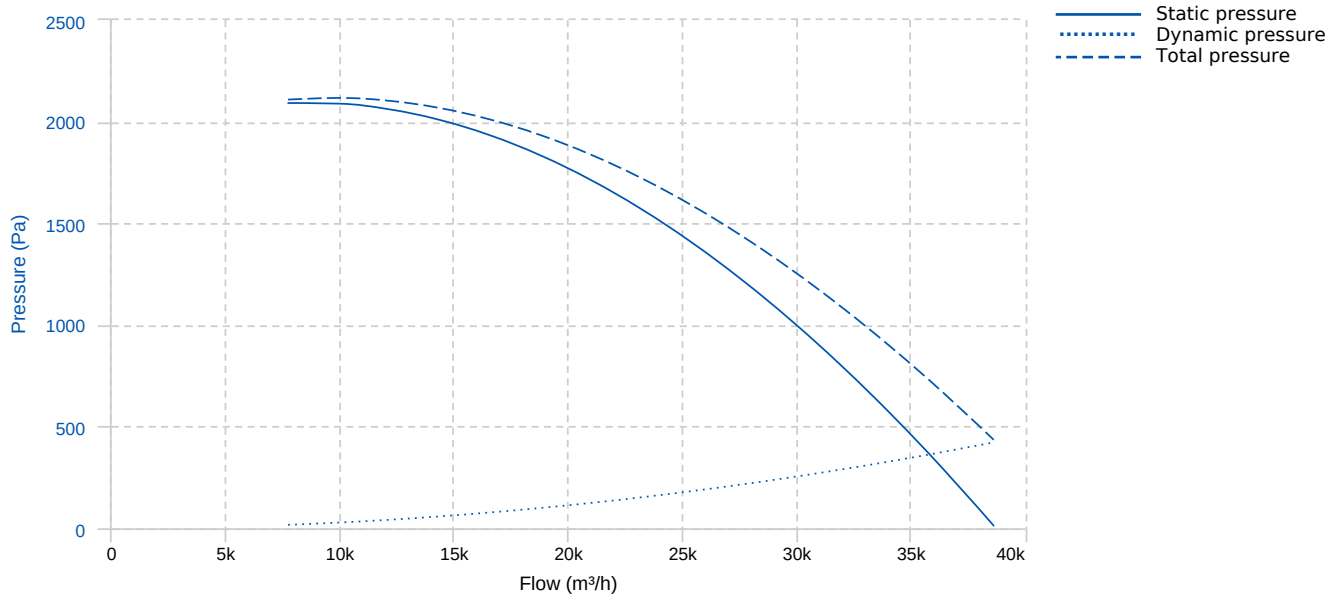
Suitable for moving clean or dusty air. Designed to be fixed in the double suction flange, with the motor in vertical position.

- 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

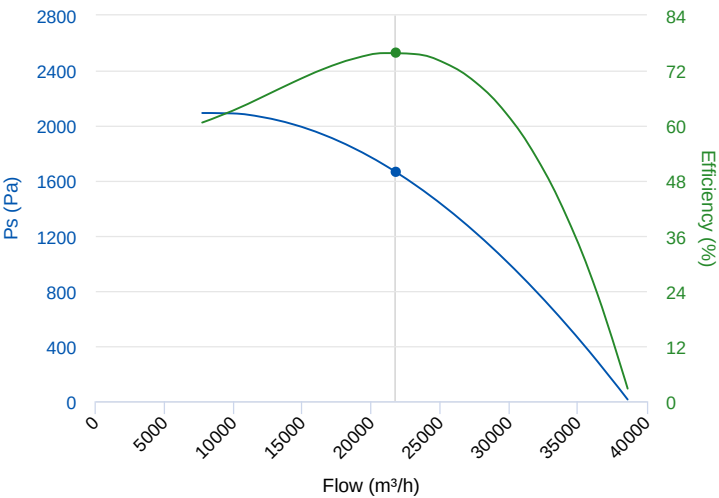


TECHNICAL DATA

| Fan   |       |                |        |                |            |               |        |
|-------|-------|----------------|--------|----------------|------------|---------------|--------|
| RPM   | 1465  | Approx. weight | 430 kg | Max. Flow      | 38610 m³/h |               |        |
| Motor |       |                |        |                |            |               |        |
| Power | 15 kW | RPM            | 1465   | I max. (400V)  | 29,8 A     | I max. (690V) | 17,3 A |
| Size  | 160L  | Approx. weight | 130 kg | Efficiency (%) | 92.1 %     | FP            | 0.8    |

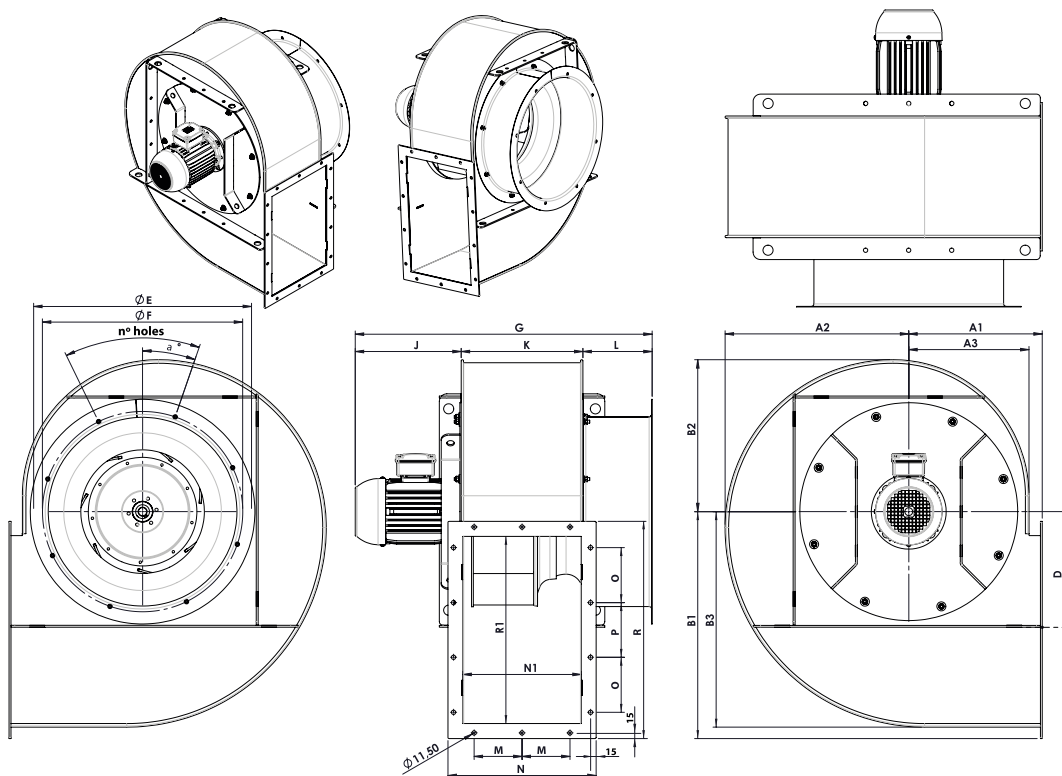
ERP DATA

| 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)                    | 15                                          |                       |
|                                     | Fan values                                  | ERP Requirements 2015 |
| Max. efficiency (%)                 | 75.91                                       | 61.26                 |
| Efficiency grade (N)                | 75.65                                       | 61                    |
| Pabs (kW)                           | 13.46                                       |                       |
| Flow (m³/h)                         | 21786.53                                    |                       |
| Static pressure (Pa)                | 1663.5                                      |                       |
| Speed (m/s)                         | 1465                                        |                       |



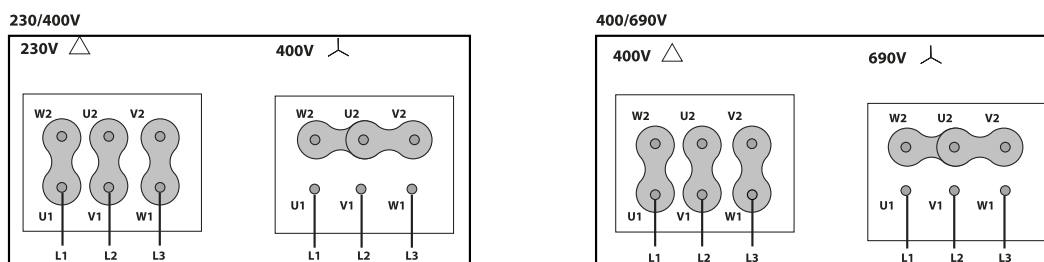
|                |      |  |
|----------------|------|--|
| Specific ratio | 1.02 |  |
|----------------|------|--|

## DIMENSIONS



| Dimensions (mm) |        |         |           |    |       |    |        |    |         |
|-----------------|--------|---------|-----------|----|-------|----|--------|----|---------|
| A1              | 543.6  | A2      | 779.53    | A3 | 508.1 | B1 | 945.74 | B2 | 643.77  |
| B3              | 915.28 | D       | 505.74    | E  | 930   | F  | 845    | G  | 1230.15 |
| J               | 531.15 | K       | 514       | L  | 185   | M  | 202.5  | N  | 585     |
| N1              | 505    | O       | 233       | P  | 234   | R  | 880    | R1 | 800     |
| a²              | 11,25ª | nªholes | 16x11,25ª |    |       |    |        |    |         |

## WIRING DIAGRAM



## ACCESSORIES



**CONNECTION FLANGE  
AC 800**  
REF: 960003218



**ANTI-VIBRATION JOINT  
JE 45**  
REF: 300719201



**CIRCULAR-CIRCULAR ANTI-VIBRATION FLANGE  
FOR STORM  
BADS 800**  
REF: BADS-8080



**OUTLET PROTECTION GUARD FOR STORM FANS  
RIS 800x505**  
REF: RIS-80505E2



**RECTANGULAR-RECTANGULAR ANTI-VIBRATION  
FLANGE FOR STORM  
BIDS 505x800-200**  
REF: BIDS-80505



**ANTI-VIBRATION RUBBER BLOCK  
AVR (GENERIC)**



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



**ANTI-VIBRATING FLANGE 400°/2H  
BA-400 80**  
REF: 960002059



**OUTLET FLANGE FOR STORM MODELS  
EIS 800x505-800**  
REF: EIS-8050580



**INLET PROTECTION GUARD FOR CENTRIFUGAL  
FANS  
RA 80**  
REF: A-243801901



**OUTLET BEND FOR STORM FANS  
CPS 800x505-800**  
REF: CPS-8050580



**SAFETY SWITCH  
INT 32 3P A**  
REF: INT323PA



**ANTI-VIBRATION SPRING BLOCK  
AVS (GENERIC)**



**FREQUENCY SPEED CONTROLLER  
SFC 400 III 41A \*\***  
REF: SFC400III41



SPARE PARTS

|   | Code      | Model                      | Qty |
|---|-----------|----------------------------|-----|
| 1 | R-BAD-N80 | INLET CONE 800             | x1  |
| 2 | 721001047 | MOTOR 1,5KW T2 B5 230/400V | x1  |
| 3 | 721001192 | MOTOR 15KW IE3 4P B5       | x1  |