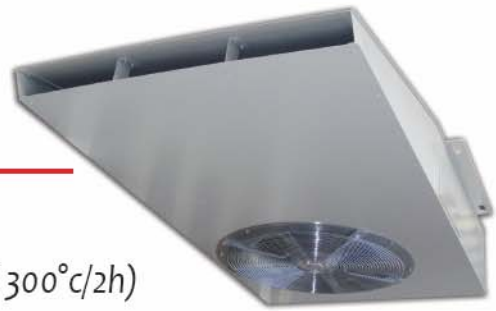


PV



Centrifugal garage fan F300 (300° c/1h) according to EN 12101-3 (tested 300°c/2h)

APPLICATIONS AND ADVANTAGES:

Induction fans type PV are used in the forced ventilation of car parks, to remove the most common pollutions (ex. CO) and in case of emergency (fire), it activates to prevent and restrict the damages to people and objects: creating escape routes from toxic smokes, preventing the propagation in the adjacent zones etc.

Induction fan type PV has the main characteristic to be ductless, offering a series of advantages as:

- remarkable saving in times and costs of installation.
- saving in running costs, possibility to ventilate or extract only specific areas of the garage, where it is effectively required.
- Ease of removal with consequent lower costs of maintenance or displacement of the plant.

The PV have been designed and manufactured in accordance with the European Directive EN 12101-3 obtaining the certification by an independent certification body.

This line is suitable to S1 service (continuous operation) at the temperature of 40°C and S2 service in case of emergency (fire) at the temperature of 300°C for 1 hour (F300).

The notion of double operation is exactly translated by the term "dual purpose" introduced in this case by the Directive EN 12101-3.

PECULIARITIES:

Up to 30% saving in costs comparing to the axial impulse ventilation system. More useful space in height to be used for the car park.

Highest ease of installation and electrical wiring due to the compact profile completed with fixing brackets and F300 service switch wired.

CONSTRUCTION:

- ▣ Backward curved blade impeller, high efficiency in galvanized steel sheet. Balancing according to UNI - ISO 1940.
- ▣ Casing in steel sheet protected against the atmospheric agents.
- ▣ Inlet grid protected against the atmospheric agents.
- ▣ Asynchronous three phase double polarity motor, suitable to work up to a maximum temperature of 40°C (service S1) and 300°C for 1 hour in case of fire emergency (service S2).
- ▣ Execution 5; Impeller directly coupled on the motor shaft.

TECHNICAL SPECIFICATIONS:

- ▣ Conveyed air: clean not abrasive
- ▣ Voltage and frequency:
 - three-phase (T) 400V - 50Hz

ON REQUEST:

- ▣ Service switch wired

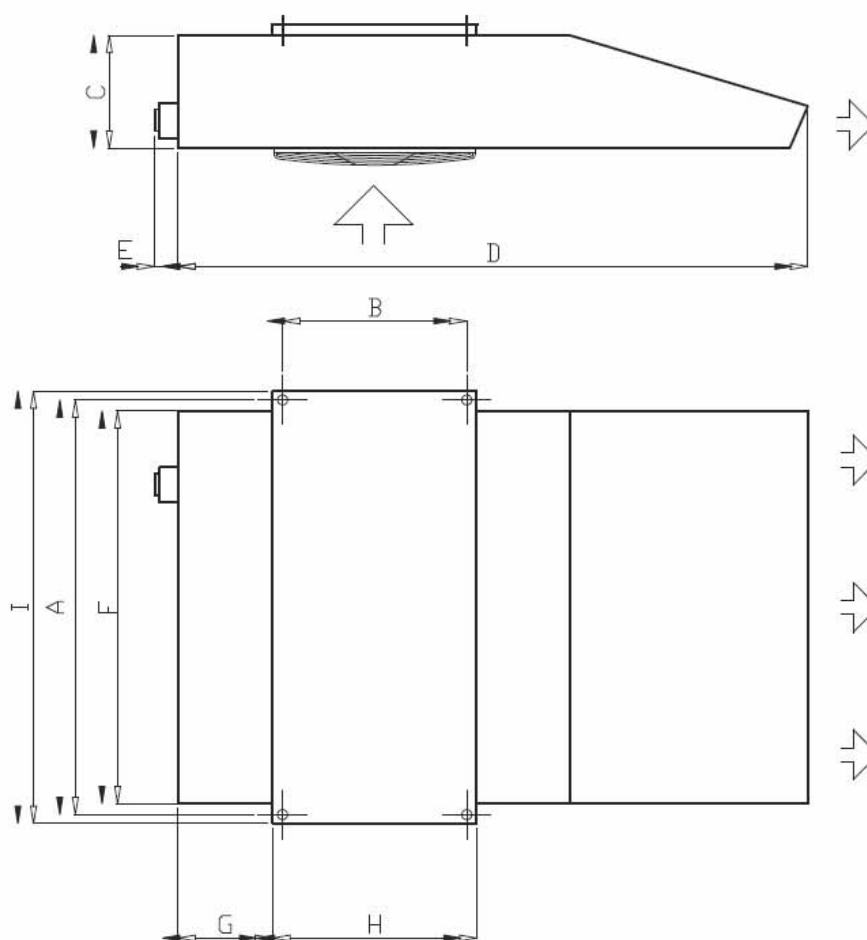
ADVANTAGES of induction fans:

- Up to 30% less expensive than an impulse ventilation system.
- Opportunity of a lower car park build height.
- Less cable required.
- Fewer cable trays, and reduced fixing time.
- Fewer fans required - reduced maintenance cost.
- Reduction in the size and cost of control equipment.
- Significant reduction in consumed power.
- Correct determination of thrust on site via inverter control
- Lower profile units for mounting directly above the car



Model	thrust (N)	motor power (kW)	air speed (m/s)	In max (A)	speed rpm	kg
PV 250 4/8 S	50	1.2/0.3	27/13	3.3/1.4	1400/700	125
PV 300 4/8 S	100	2.2/0.55	30/16	5.6/2	1400/700	162

• Weight of fan in kg (complete with motor)



Model	A	B	C	D	E	F	G	H	I
PV 250 4/8 S	880	540	258	1585	84	830	160.5	540	930
PV 300 4/8 S	1074	578	314	1908	106	1000	180	650	1124

Dimensions in mm