מפרש טכני
Typhoon

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Centrifugal garage fan according to Standards Of Israel 1001.7 (tested 250°C/2 Hr)

APPLICATIONS AND ADVANTAGES

Impulse fans 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.

Impulse fan 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.

PV have been designed and manufactured in accordance with the standards of Israel 1001.7 obtaining the certification by an independent certification body.
This line is suitable to continuous operation at the temperature of 40°C and in case of emergency (fire) at the temperature of 250°C for 120 minutes (F250).
The notion of double operation is exactly translated by the term "dual purpose".

PECULIARITIES

More useful space in height.
Highest ease of installation and electrical wiring due to the compact profile with built-in fixing brackets and service switch.

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 and 250°C for 120 minutes in case of fire emergency.
Built-in Terminal box.
Arrangement 5; Impeller directly coupled on the motor shaft.

TECHNICAL SPECIFICATIONS

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

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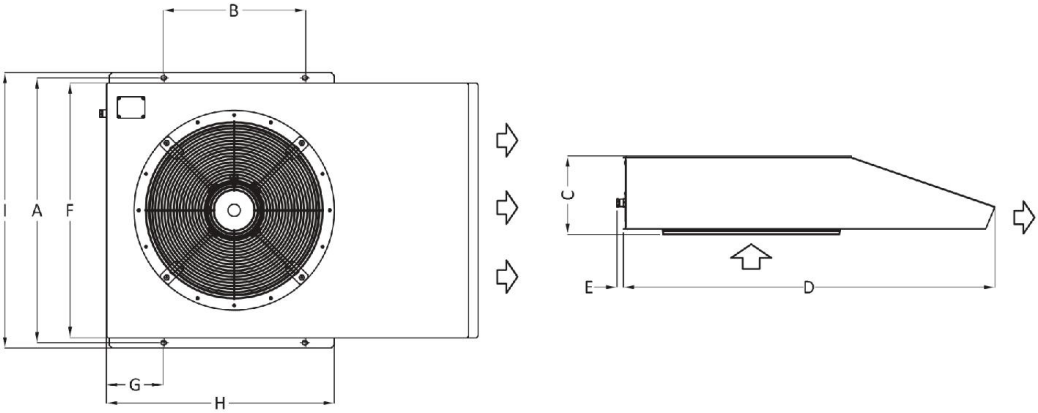
PV Performance

Model	Thrust (n)	Motor power (kW)	Air speed (m/s)	In max 400V (A)	Speed rpm	Kg
PV 250 4/8 S	50/12	1.2/0.3	27/13	2.92/1.29	1400/700	67
PV 250 4 S	50	1.5	27	3.49	1400	64
PV 300 4/8 S	100/28	2.2/0.55	30/16	6.4/2.02	1400/700	99
PV 300 4 S	100	2.2	30	6.4	1400	98
PV 300 8 S	28	0.55	16	2	700	98

Dimensions



Model	A	B	C	D	E	F	G	H	I
PV 250 4/8 S2	870	515	250	1200	25	830	186	740	900
PV 300 4/8 S2	1030	462	305	1450	25	1000	240	850	1070

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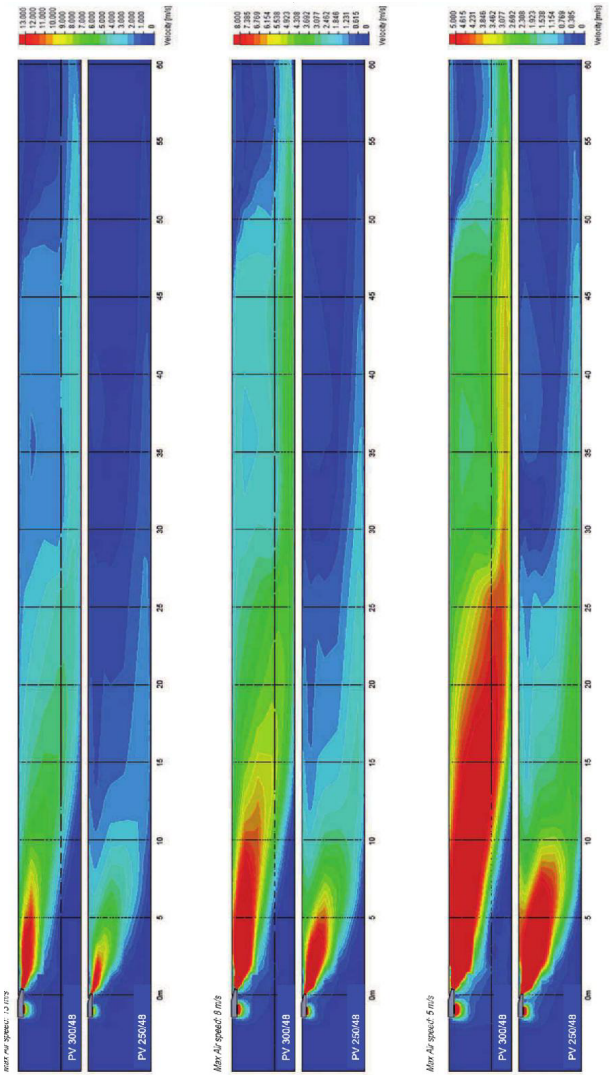
Discharge Patterns



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Sound Pressure

Lp(A) in dB(A) measured at 3 meters free field

PV 250 4/8 S2 **Hz**

Speed	63	125	250	500	1k	2k	4k	8k	Total
1400 rpm	42	49	55	62	59	56	55	44	70
700 rpm	30	32	37	47	41	39	31	22	54

Attention: Sound pressure level is measured in free field at 3m from the fan, in any direction.

PV 300 4/8 S2 **Hz**

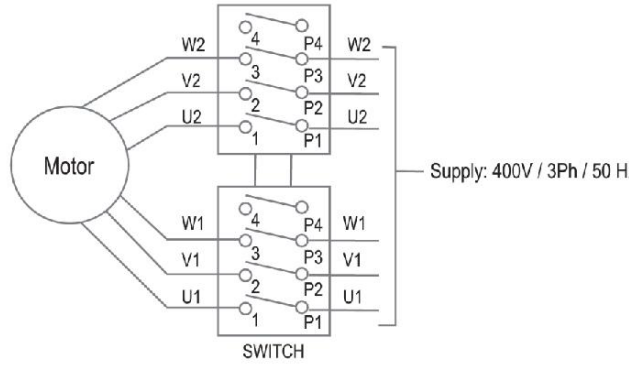
Speed	63	125	250	500	1k	2k	4k	8k	Total
1400 rpm	42	51	55	64	60	58	52	45	72
700 rpm	27	32	37	50	43	40	34	24	56

Writing diagram

Low speed
Supply: 400V / 3Ph / 50Hz

High speed
Supply: U2, V2, W2
Link: U1, V1, W1

P4-4: free connection



1 Inlet with grid
2 Impelier
3 Motor
4 Fixing plate
5 Conveyer
6 Deflectors