



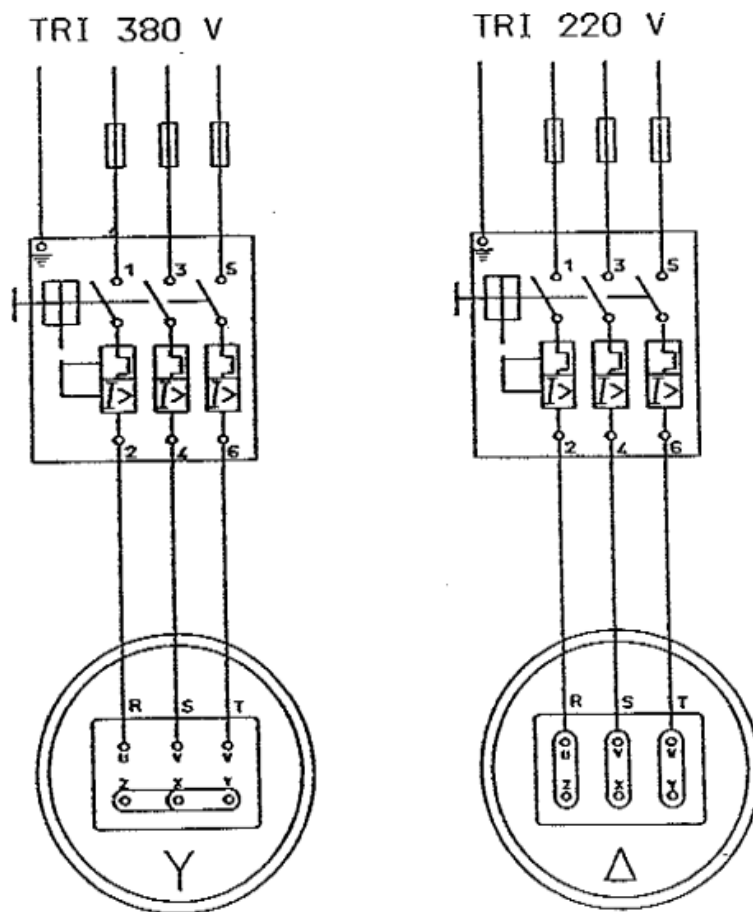
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**SACATEC EQUIPEMENT**

30, Rue de la Malmaison – ZAE de la Grande Couture – 95500 GONESSE – France

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### Electrical connection...



Designation	Ref.	Power	Tension	Intensity	Cutout
Fan SAV 7B	6190	1,1 kw	380/400 V	2,5 A	GV2 - M08
Fan SAV 8	5286	1,5 kw	380/400 V	3,3 A	GV2 - M08
Fan SAV 12	5287	3 kw	380/400 V	5,9 A	GV2 - M10
Fan SAV 13	5288	3 kw	380/400 V	5,9 A	GV2 - M10
Fan SAV 18	5289	4 kw	380/400 V	8,3 A	GV2 - M14
Fan SAV 20	5290	4 kw	380/400 V	8,3 A	GV2 - M14
Fan SAV 21	5291	6 kw	380/400 V	11,5 A	GV2 - M16
Fan SAV 27	5292	8 kw	380/400 V	15,2 A	GV2 - M20

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## Starting and Maintenance of the fans...

### Installation

The fan must be rigidly fixed and installed on a support which allows the motor's axle to be perfectly vertical or horizontal, according to the type of fan.

### Electrical connection

The electrical connection must be done by an electrician who will check the compatibility between the frequency and the tension of the network, and those indicated onto the motor plate. For the 220/380V motors, the star connection (380V) or triangle connection (220V) will be done accordingly to the wiring schedule indicated on the terminal box on the motor.

The 2 speeds motors have their own commutator.

The motor should be protected by a thermic protection graduated on the plated nominal intensity. The consumed intensity will be compared to the ammetrical plier, to check the right functioning of the material.

### Measures in charge

If the consumed intensity is over the usual value: the loss in pressure is too important in the case of a helicoid fan, and too low in the case of a centrifugal fan.

In these cases, the installation's configuration will have to be reviewed.

### Rotation way

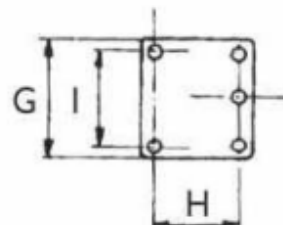
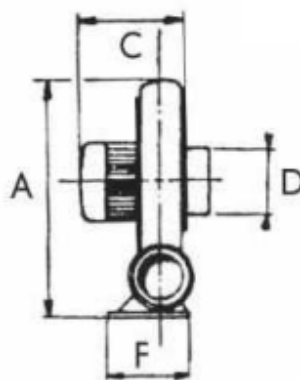
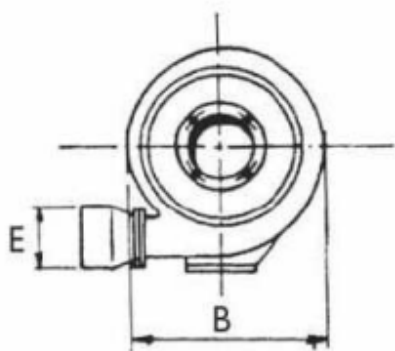
The action motors, as well as propellers, take the air with the blade's cavity, on the contrary than the reaction motors, which are working with the back of the blade. That causes the inversion of the rotation. This one is usually indicated by an arrow fixed on the fan, and another one fixed on the motor.

### Maintenance

The cleaning of the motor or the fan's pale will have to be regularly done, according to the using frequency. The dumps, whatever they can be, have to be avoided not to cause the imbalance of the turning elements: that would provoke an early wear of the ball bearings. For information, these have normal life-time of 10 000 hours.

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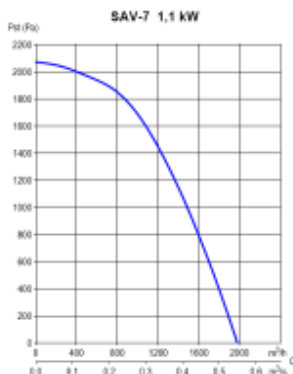
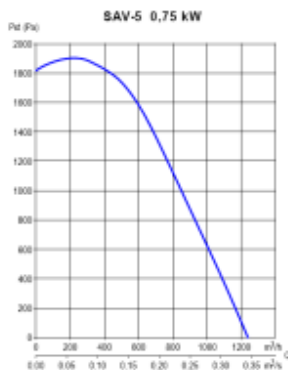
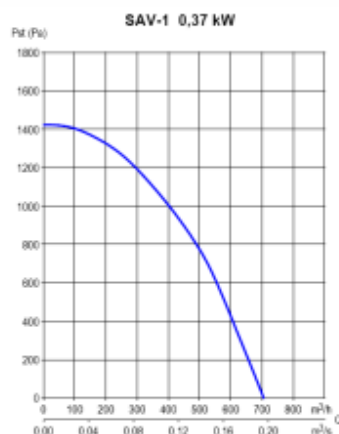
#### CHARACTERISTICS :



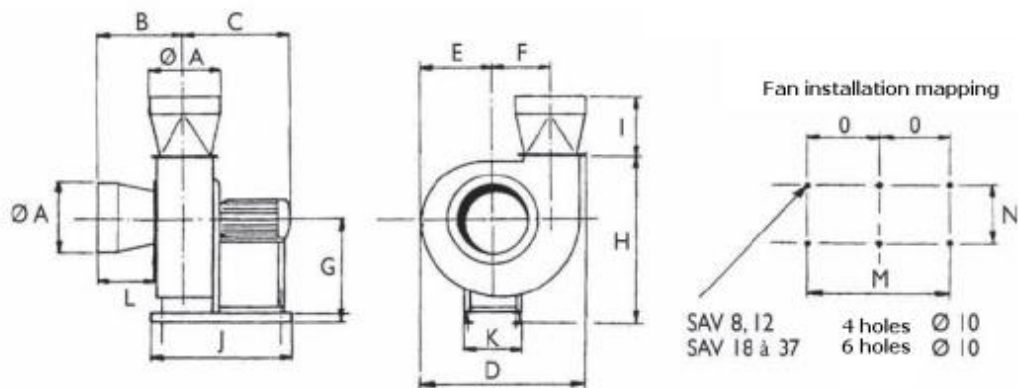
Type	Airflow m3/h	Pressure mm/CE	Motor kW	Weight Kg
SAV 1	730	140	0,37	15
SAV 5	1250	170	0,75	20
SAV 7	1910	200	1,10	28

#### Dimensions (mm)

A	B	C	D	E	F	G	H	I
450	390	223	125	125	142	140	120	118
511	434	252	125	125	196	184	170	158
603	508	340	200	200	236	230	185	204



#### CHARACTERISTICS :



Type	Débit à vide m <sup>3</sup> /h	Débit utilisation m <sup>3</sup> /h	Moteur kW	Pression totale mm CE	Poids kg	DIMENSIONS (mm)														
						Ø A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
SAV 7b	2700	1500	1,1	180	37	200	245	334	653	260	230	482	707	300	400	233	150	360	203	/
SAV 8	3600	2000	1,5	200	48	250	246	368	732	295	253	532	787	300	500	274	150	460	234	230
SAV 12	5000	2500	2,2	235	56	315	456	388	732	295	253	532	787	400	500	274	350	460	234	230
SAV 18	6000	3500	4	260	77	355	516	476	817	330	286	582	867	500	500	329	400	460	289	230
SAV 21	8400	5000	5,5	320	110	450	581	502	912	370	321	642	962	500	700	377	450	650	337	325
SAV 27	9600	6000	7,5	380	130	450	581	502	912	370	321	642	962	500	700	377	450	650	337	325
SAV 37	10800	7000	11	375	152	450	645	646	1006	410	354	682	1042	500	700	435	500	650	395	325



#### **Noise level (at 1,5m from the fan at maximum airflow)**

SAV1	66,50dbA
SAV5	73,00dbA
SAV7	77,50dbA
SAV7B	72,00dbA
SAV8	72,00dbA
SAV12	72,00dbA
SAV18	78,00dbA
SAV21	83,00dbA
SAV27	86,00dbA
SAV37	86,00dbA

#### **Maximum operating temperature of the fans**

SAV1-5-7... 120°C continuously (350°C at peak)

SAV7B-8-12-18-21-27-37... 80°C continuously (320°C at peak)

*Note that temperature of the exhaust gases is reduced up to 50% from it's original value following the fresh air mixing level at the extraction nozzle. This temperature is also decreasing in the extraction piping due to fan action (around 30% of its original value).*