Secureair
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SVM industrial centrifugal fans



Sectors Plant Components, Exhaust gases, Welding, Ventilation, Grinding,

Applications Fix

Issues Odours, Exhaust gases, Fumes, Powders

COD: SVM000000000000

Industrial centrifugal fans with backward-bladed impeller SVM series

Insight

Industrial centrifugal fans with backward-bladed impeller SVM series are made as follows:
- steel cochlea equipped with flange connections on the suction and pressure ports, with fully electro-welded and blue powder coated structure
- chair for motor-impeller unit support connected to the augers with bolted plate for quick impeller extraction in case of maintenance
- electrowelded steel impeller, statically and dynamically balanced with cast iron hub with flat backward running blades
- electric motor suitable for outdoor installation, can be driven by 3-phase inverter.

They are offered from stock in 7 sizes from 250 to 450 all with 2-pole motors, but are also available up to diameter 1000 with 4- or 6-pole motors.

Application

For suction and conveying of clean or dusty air, with low-medium-high flow rates and low-medium pressures, sawdust, various chips, granular materials, excluding filamentous materials. Within the SECURAIR® program they find, for example, use for suction from self-supporting arms (when not already equipped with an on-board exhaust fan) or for making suctions with industrial hoods as shown in the image below.

Centrifugal fans can be complemented by a range of SECUREAIR accessories (The product photo refers to the version complete with all accessories) designed to facilitate their installation:
- circular fittings on suction and discharge, solving the problem of connecting fans to plant piping
- galvanized base frame for ground installation, complete with shock absorbers to reduce transmitted vibrations
- galvanized steel bracket for wall mounting, complete with shock absorbers to reduce transmitted vibrations
- vibration damping joints on suction and discharge, to reduce vibrations transmitted to the plant piping

Remember that when ordering **for all centrifugal fans it is necessary to determine the direction of rotation of the impeller**, also known as "orientation." Looking at the fan from the side of the electric motor, the possible positions of the air delivery port are defined, according to international standards, by an alphanumeric abbreviation in which the literal part (RD - right or LG-left) indicates the direction of rotation of the impeller and the numerical part indicates instead the angle in degrees of airflow exit from the delivery port.

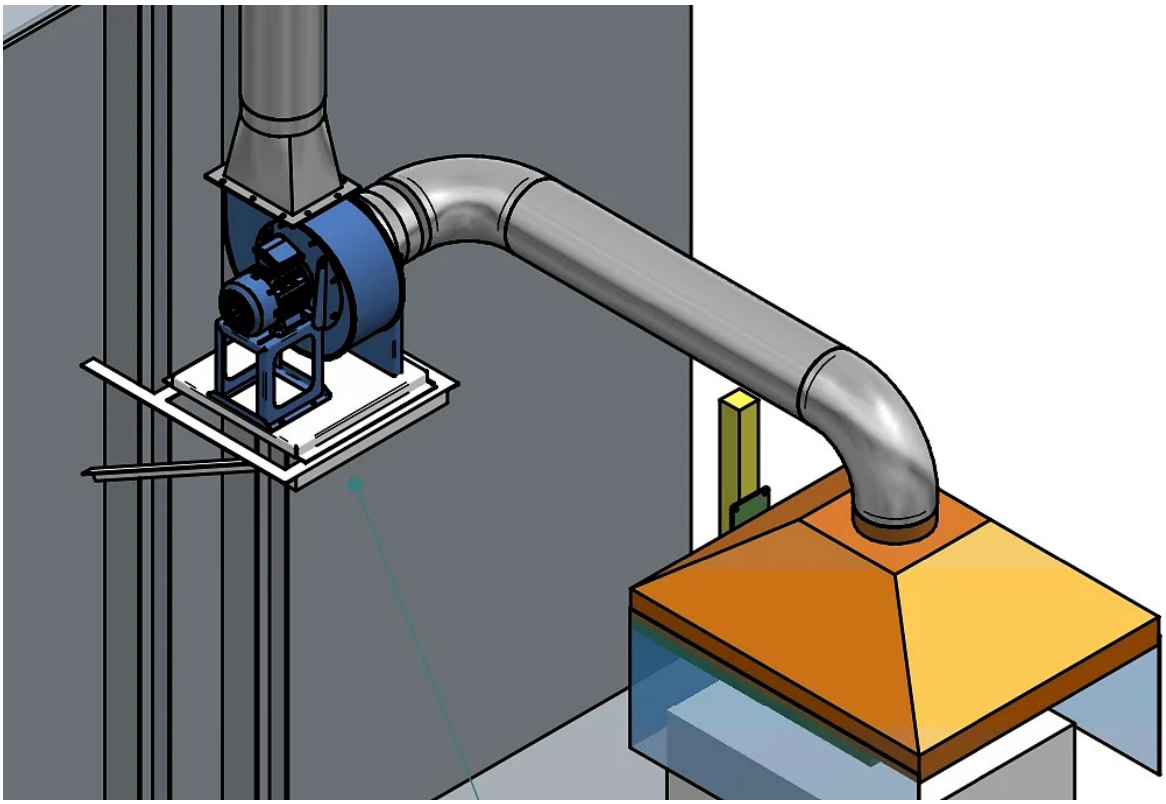
There are 16 orientations available, n.8 clockwise (RD) and n8 counterclockwise 8LG) remembering that the direction of rotation is defined, in a centrifugal fan, by looking at the fan from the motor side.

A correct choice of orientation is crucial for the fan to work with maximum efficiency and to avoid turbulence in the piping.

Our technical department is available to support you in making the correct choice.

MADE IN ITALY

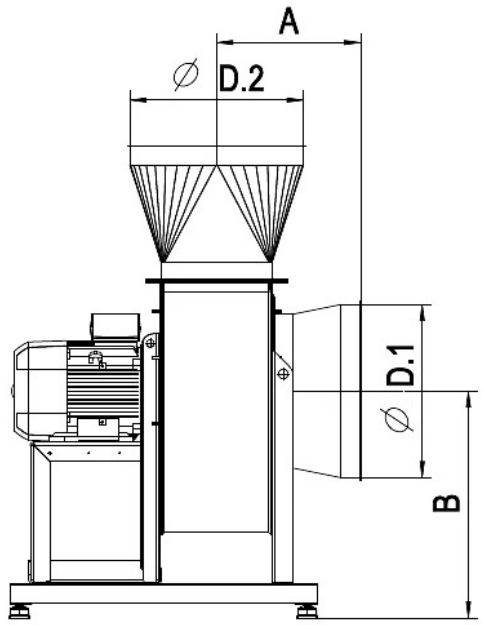
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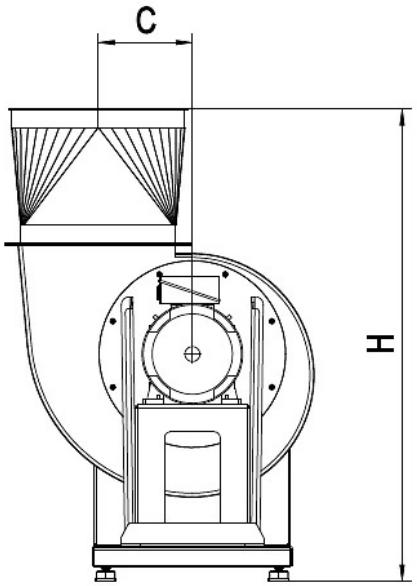


Rotazione RD vista lato motore Rotation RD motor side view	Forma Form	Rotazione LG vista lato motore Rotation LG motor side view
	0°	
	45°	
	90°	
	135°	
		

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Dimensions





Code	A mm	B mm	C mm	H mm	I mm	Ø M mm	Ø R mm	ØD1 mm	ØD2 mm	H1 mm	H2 mm	● mm	J mm	Ø mm
SVM250203700000	245	375	149	920	121	195	26	250	250	195	315	48	203	185
SVM280207500000	255	435	172	985	121	217	48	300	300	200	375	48	203	205
SVM310201500000	275	475	196	1050	133	251	60	350	350	225	400	58	234	228
SVM350202200000	355	526	216	1130	133	251	60	400	400	255	450	58	234	255
SVM400200400000	375	589	245	1225	197	285	54	450	450	285	500	34	289	285
SVM450207500000	390	652	275	1325	237	345	64	520	520	320	560	44	337	320

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Technical Data

Code	Power kW	Useful pressure Pa	Liv son Db (A)	Weight kg	Q max mc/h	RPM rpm
SVM250203700000	0,37	970	59	26	1370	2820
SVM280207500000	0,75	1220	61	35	1800	2820
SVM310201500000	1,5	1640	65	45	2500	2820
SVM350202200000	2,2	2040	68	70	3960	2820
SVM400200400000	4	2850	71	93	6120	2820
SVM450207500000	7,5	3460	73	118	7920	2820

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Related accessories



Centrifugal fan base SVM-R-F

SVMRF000000BSV0

Sturdy galvanized steel base **designed and constructed for supporting SVM-R-F series centrifugal fans**.



Wall bracket for SVM-R-F centrifugal fans

SVMRF000000SPV0

Sturdy galvanized steel bracket **sized for wall mounting of SVM-R-F series fans**, complete with shock absorbers to reduce vibrations transmitted by the fan.



Pair of fittings for centrifugal fans SVM-R-F

SVMRF000000RAP0

Pair of circular fittings made of galvanized steel, complete with flanges with holes for fixing to on suction and fan discharge and with edging prepared for collar on side of plant piping fixing.



Circular compression fitting for SVM-R-F fans

SVMRF000000RPR0

Circular galvanized steel fitting, complete with flange with borings for fixing to on fan discharge and beading prepared for collar on plant piping fixing side.

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Circular suction connector for SVM-R-F fans

SVMRF000000RAS0

Circular suction fitting for SVM-R-F fans made of galvanized steel, complete with flange with holes for fastening to on fan suction and beading prepared for collar on plant piping fastening side.



Press-in vibration damping joint for SVM-R-F fans

SVMRF000000GAP0

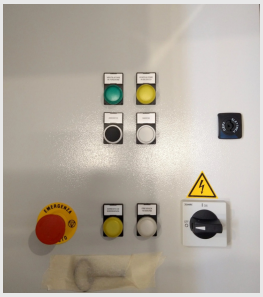
Circular anti-vibration joint **for fastening on fan discharge connection**, made of industrial tarred rubber, complete with prepared edging and fastening collars.



Suction anti-vibration joint for SVM-R-F fans

SVMRF000000GAS0

Circular anti-vibration joint **for fastening on fan inlet connection**, made of industrial cloth rubber, complete with prepared edging and fastening collars.



Electric panel for fan start-up

QED000000000000

Direct-start and star-delta**industrial switchboard** for starting and protecting fan motors with 3F+T 400Vac 50/60Hz power supply.



Switch cabinet with inverter for fan control

QEI000000000000

Industrial control cabinet complete with three-phase inverter and remote operator terminal with LCD display, run/stop control, frequency regulation, monitor and alarm reset.

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Motor cover for SVM-R-F fans

SVMRF000000CMT0

Galvanized steel motor cover casing, complete with holes for fixing to the fan.

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Related Products



SVR industrial centrifugal fans

SVR000000000000

Industrial centrifugal fans with backward-bladed impeller SVR series



SVF industrial centrifugal fans

SVF000000000000

Industrial centrifugal fans with backward-bladed impeller SVF series

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