



SUPER POLAR HVLS

Ceiling fans | Air Destratifier



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High volume low speed ceiling fans / air destratifier



EC technology motor

Super POLAR HVLS are industrial ceiling fans designed for cooling and balancing temperatures in large areas, both during the summer and the winter seasons.

Their special design determines the destratification and the redistribution of the air towards floor level and the optimization of HVAC systems, reducing CO₂ emissions, consumption, and energy costs.

RANGE

- Available with blade diameters of **3, 4, 5, 6 and 7 meters**.
- Performance from **280.000 to 850.000 m³/h**.
- Speed from **45 to 200 rpm**.
- Ventilated area up to 1.850 m².

BENEFITS

- Safe and easy installation.
- High comfort both in winter and summer seasons as they create an optimum air circulation.
- Drastic reduction of the heating costs.
- Extremely low consumption.
- Speed controllable.
- Silent operation.
- Maintenance free.

FEATURES

- HVLS type ceiling fans (High Volume Low Speed).
- 9 models with **blade diameters of 3, 4, 5, 6, 7 meters 5 Selig Airfoil blades** in aluminum.
- Supplied with rod long 300 mm.
- Support devices with 4-hole plate for a firm and durable fastening, compatible with the assembly of products also in correspondence with strongly sloping ceilings.
- Terminal block connection to the network housed in a special box protected from dust and water.
- Safety cable compliant with the most recent international standards on the safety of ceiling fans, to prevent the risk of the product falling due to incorrect installation.
- Equipped with EC brushless motors.
- High protection IP65 against dust and water.
- Class I (earth connection is needed).
- 200/480V – 50/60Hz.
- Maintenance-free.
- Speed controllable.
- Made in Italy.



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Gym / fitness centers

APPLICATIONS

Super POLAR WLS can be installed in different commercial and industrial environments, when characterized by medium to large dimensions such as:

- Sport halls
- Open space office
- Trade fairs
- Storage sites
- Warehouses
- Students halls / Universities
- Airport halls
- Gym / fitness centers
- Heavy machinery storage
- Industrial plants
- Areas for events
- Places of worship



Airports



Warehouse



SUPER POLAR HVLS

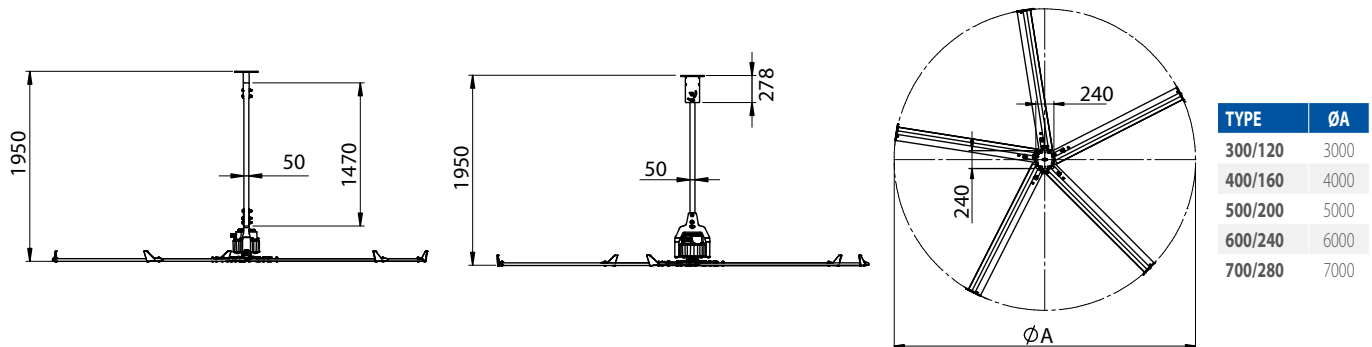


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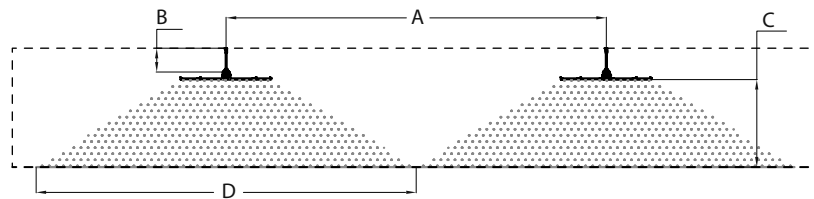
PERFORMANCE

MODEL	Diameter (m)	Max speed RPM	Airflow max		Power max kW	Current max A	Sound level max dB (A)	Ventilated area m ²	Installed weight Kg
			m ³ /h	l/s					
Super Polar HVLS E 300/120 Eco	3	200	280.000	77.778	0,85	2,03	<60	1.000	59,4
Super Polar HVLS E 400/160 Eco	4	140	330.000	91.667	0,84	1,98	<55	1.270	65
Super Polar HVLS 300/120	3	190	310.000	86.111	0,75	1,4	<60	1.100	80,5
Super Polar HVLS 400/160	4	110	370.000	102.778	0,25	0,7	<55	1.300	85
Super Polar HVLS 500/200	5	95	530.000	147.222	0,43	1,29	< 45	1.500	101
Super Polar HVLS 600/240	6	75	600.000	166.667	0,38	1,15	< 45	1.600	107
Super Polar HVLS 600/240 plus	6	90	670.000	186.111	0,72	2,1	< 45	1.600	118
Super Polar HVLS 700/280	7	45	650.000	180.556	0,34	1,1	< 45	1.850	113
Super Polar HVLS 700/280 plus	7	60	850.000	236.111	0,45	1,3	< 45	1.850	124

DIMENSIONS (mm)



INSTALLATION



INSTALLATION DIMENSIONS

MODEL	DISTANCE BETWEEN 2 FANS	MIN DISTANCE FROM CEILING	AVERAGE INSTALLATION HEIGHT FROM FLOOR	DIAMETER OF THE COVERAGE AREA
	A (m)	B (m)	C (m)	D (m)
Super Polar HVLS E 300/120 Eco	9	1	3-4	9
Super Polar HVLS E 400/160 Eco	12	1	4-7	12
Super Polar HVLS 300/120	9	1	3-4	9
Super Polar HVLS 400/160	12	1	4-7	12
Super Polar HVLS 500/200	15	1,5	5-10	15
Super Polar HVLS 600/240	18	1,5	6-12	18
Super Polar HVLS 600/240 plus	18	1,5	6-12	18
Super Polar HVLS 700/280	21	1,5	6-12	21
Super Polar HVLS 700/280 plus	21	1,5	6-12	21













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Accessories

	ACCESSORIES	DESCRIPTION
SUPER POLAR HVLS - Optional		
	Control panel X20	Multiple speed controller for the automatic speed control up to 20 Super Polar
	Control panel Global	Multiple speed controller for the automatic regulation of the fans (up to 40 Super Polar) and the showers
	Touch pro control panel	Touch control panel for the automatic programming of the ventilation (up to 100 Super Polar) and the showers
	THI sensor	THI sensor for Global control panel and for Touch pro control panel
	Anemometer for control panels	Anemometer for X20, Global and Touch control panels
	Power connector	Wired connector with 6 m long cable for motor power supply
	Data connector	Wired connector with 6 m long cable for fan regulation
	USB converter	Remote configuration and monitoring of the fans via personal computer
	Rod - 3 m	Rod long 3 meters for Polar Zoo installation in high ceiling areas
	Tie rod kit	4 tie rods to ensure the safe fixing of the products to the ceiling