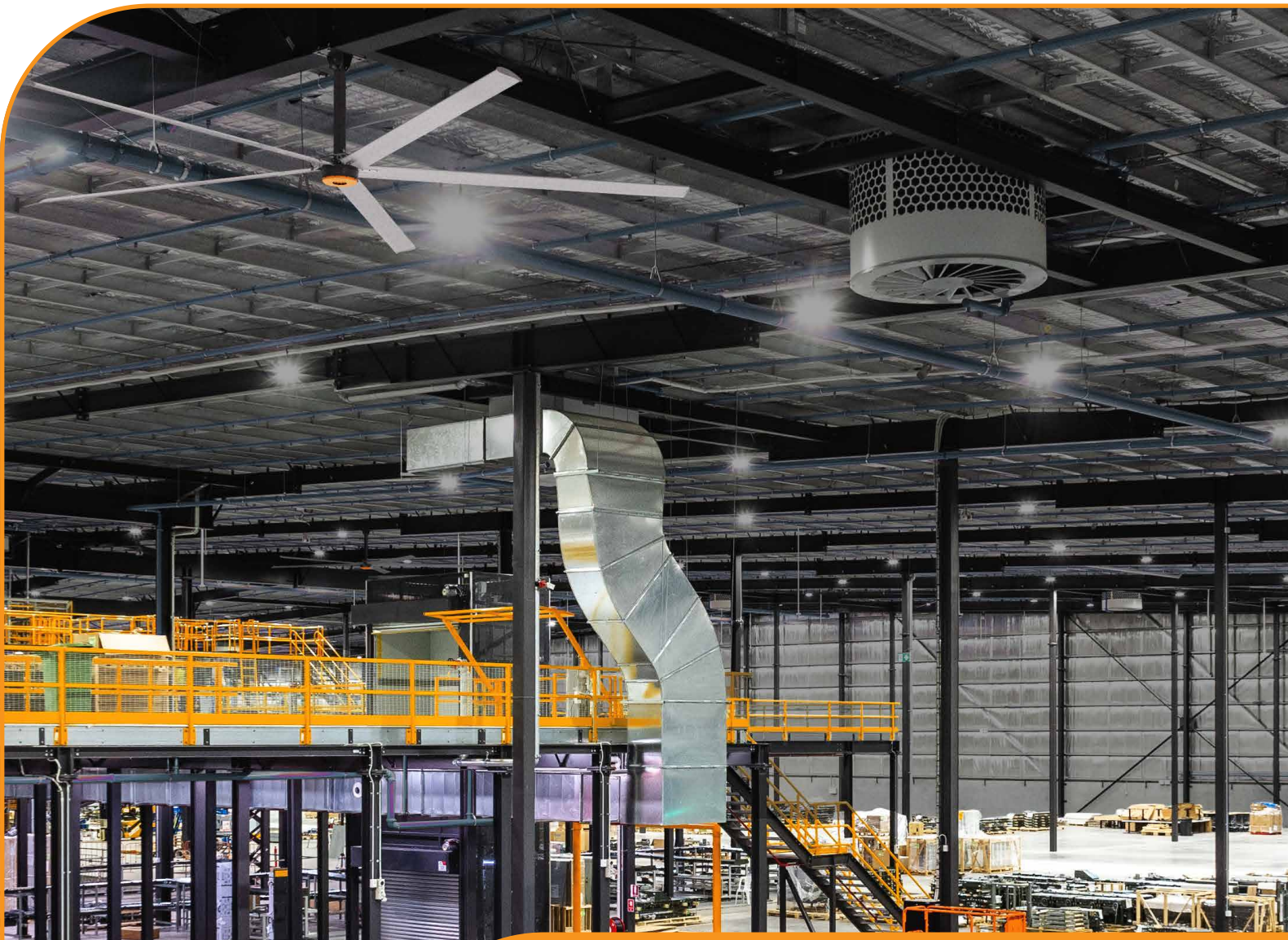


SMARTEMP HVLS FAN



Smartemp HVLS (High Volume Low Speed) industrial ceiling fans deliver a powerful combination of energy efficiency, advanced engineering, and dependable performance for large volume spaces.

Featuring high-performance Permanent Magnet Synchronous Motors (PMSM) in both inner and outer rotor designs, these fans are built to optimise airflow in expansive environments such as manufacturing facilities, warehouses, logistics hubs, retail stores, gymnasiums and agriculture. They create consistent air movement that enhances comfort and lowers perceived temperatures by up to 8°C – all while using a fraction of the energy required by conventional cooling systems.

Operating with low noise and engineered for reliability, Smartemp fans require minimal maintenance, and incorporate robust safety features like integrated overload protection and anti-loosening mechanisms.

With a focus on long-term value and smart, efficient designs, Smartemp offers high-impact solutions for your large volume space needs.

SMARTEMP
IN COMFORT

STHVLS:2509

SMARTEMP HVLS FAN

HIGHLIGHTS

Compact Size

Low profile outer rotor at 120 mm high.

Efficient

No reduction gearbox on the motor means fewer mechanical losses and more efficient operation.

Maintenance Free

No mechanical components like reduction gearboxes that require regular maintenance. Fans are fitted with sealed bearings.

Reliable

Blade end fitted with double bearings ensuring smooth, reliable operation and long life.

Connectable

BMS compatible controller supporting Modbus RS232/RS485.

Low Noise

<= 40 dB.

SAFETY FEATURES

Blade Support

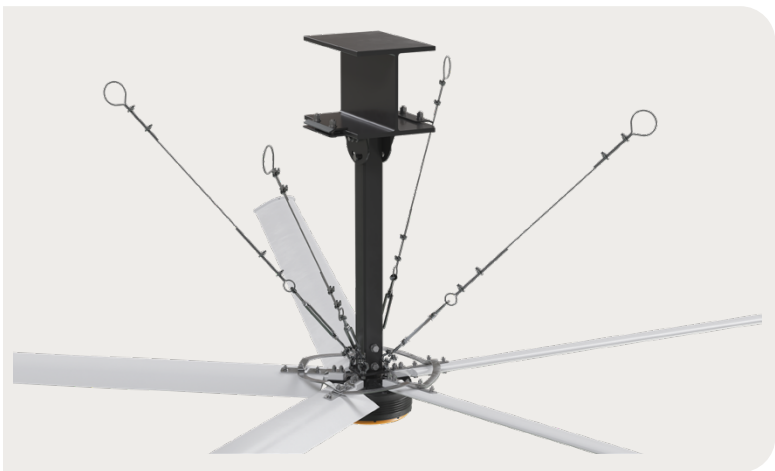
Annular blade support safety bracket in addition to main blade mountings.

Built-in Protection

Controller features overload protection which will ensure safe stopping of fan in case of major interference with fan operation.

Optional Restraints

Wire rope restraint system with turnbuckle and shackle for additional stability and safety.



TECHNICAL SPECIFICATIONS

Model	Diameter	No. Blades	Weight	Voltage	Phase	Current	Power	Max Speed	Max Air Volume	Coverage
	(mm)		(kg)	(V)		(A)	(kW)	(rpm)	(m ³ /min)	(m ²)
HVLS-D73-415V-3P-T50	7300	5	100	415	Three	2.6	1.2	55	14950	1500
HVLS-D73-240V-1P-T50	7300	5	100	240	Single	4.5	1.2	55	14950	1500
HVLS-D50-240V-1P-T50	5000	5	75	240	Single	2	0.7	75	9800	900

Smaller fan sizes available upon request.

Outrunner Motor			
Fan Diameter (mm)	7300	7300	5000
Voltage (V)	415	240	240
Power (kW)	1.2	1.2	0.7
Current (A)	2.6	4.5	2.0
Noise (dB(A))	<= 40	<= 40	<= 40
Speed (rpm)	10-55	10-55	10-55
Protection Level	IP44	IP44	IP54
Insulation Grade	F	F	F



Each fan comes equipped with an intelligent inverter controller that includes an RS232/RS485 communication interface and supports the Modbus communication protocol. Touchscreen controller and lockable VFD enclosure available upon request.

Installation and commissioning carried out by licensed, Smartemp-certified professionals.

We strive to continually improve Smartemp products. Brochures and marketing material are subject to change without notice, and may not reflect the most recent product variants. Please contact us for current specifications or more detailed information.

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