

Applications



Features

- High efficiency and power saving.
- Support universal voltage.
- Optional IP68 dust and water proof.
- Optional explosive proof ATEX certification.



CENTRIFUGAL FAN

YEN SUN TECHNOLOGY CORPORATION



About Y.S. TECH

Vision and Core Technology

YEN SUN TECHNOLOGY was established in 1987, a professional manufacturer and innovator of electronics thermal and ventilation total solution. The core technology provides series of application integration which combining electromagnetism, intelligent motor control, fluid dynamic, heat transfer, psycho-acoustics, vibration, material science and analytical mechanics. Those application, services and project planning include but not limited to green energy, power electronics, high-end industry, telecommunication and especially automotive. Based on mentioned core technology, Y.S. TECH acquired more than 800 patents all over the world. Y.S. TECH endeavors to achieve high performance and reliability for centrifugal and axial brushless DC and EC cooling fan globally with the brand of "Y.S. TECH", and is ambitiously to become Your Best Partner @Cooling & Ventilation.

Quality Policy

For sure we are dedicated to the continuous improvement of processes through maintaining and expanding all relevant certification such as IATF 16949, ISO 9001, ISO 14001; and maintaining our status as Tier one automotive and excellent HVACR supplier. We shall provide the best user experience by Y.S. TECH's quality excellence.

Sustainability Approach

Our corporate philosophy integrates the responsibility for the environment, for the society and for our employees. Y.S. TECH dedicates to using lean and best manufacturing practices to reduce waste and improve efficiency. Regarding the health and safety policy, Y.S. TECH, an OHSAS 18001 / ISO 45001 certified company, devoting ourselves to promote the physical and mental health of employees. We are committed to develop continuous effort in risk prevention and mistake-proof to change perceptions and raise awareness of team.

Culture, Work Life and Career

Teamwork, openness, straightforward, sharing, self-motivating and supporting are the key words that describe the culture and work life of Y.S. TECH team. Through those fundamentals, we are able to collectively provide excellence and value to all the customers.

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**Your Best Partner
@Cooling & Ventilation**

Technical Outstanding

- Firmware customization for specific performance, such as “constant airflow”
- Higher static pressure when installed in scroll housing (which designed by geometry optimization)
- Stable and mature circuitry design based on experience with world class driver IC and MCU makers
- In production firmware version control device developed
- In production three axes vibration test machine installed
- Stable process conditions due to precision fixture and good supplier quality driven

Axial Fan



FV312038HBL (2W7)



FV312038HBL (2I7)

Wheel Diameter (mm)	Mounting Type	Model Number	Voltage Range (VAC)	input power (W)
120x120x38	PWM	FV312038HBL (2W7)	90~265	6.0
	N/A	FV312038HBL (2I7)		6.0

EC Backward & Forward Centrifugal Fan



QV2310A0MBL-9A2



QV217542HBL-7A2
QV217542HBL-7A3



QV219045HBL-7A5
QV219045HBL-7A2



QV222563HBL-7A2
QV222563HBL-7A3



QV228080MBL-9A2
QV228080MBL-9A3



WV218092HBL-9A2

Backward Centrifugal Fan

Wheel Diameter (mm)	Mounting Type	Model Number	Voltage Range (VAC)	input power (W)
133	Ring mount Φ105 Rear mount Φ58	QV213341HBL-7A2	230	107
133		QV113341HBL-7A3	120	85
175		QV217542HBL-7A2	230	111
175		QV217542HBL-7A3	230	140
175		QV117542HBL-7A3	120	108
190		QV219045HBL-7A2	230	97
190		QV219045HBL-7A5	230	140
190		QV119045HBL-7A3	120	120
190		QV119045HBL-7A5	120	155
225		QV222563HBL-7A2	230	70
225		QV222563HBL-7A3	230	130
225		QV122563HBL-9A2	120	87
225		QV122563HBL-7A3	120	130
225		QV222563HBL-9A2	230	158
250		QV225057HBL-9A2	230	155
250		QV125057MBL-9A2	120	155
250		QV125057HBL-9A5	120	285
280		QV228080MBL-9A2	230	160
280		QV228080MBL-9A3	230	200
310		QV2310A0MBL-9A2	230	130
310	QV1310A0HBL-9A2	120	130	

Forward Centrifugal Fan

Wheel Diameter (mm)	Mounting Type	Model Number	Voltage Range (VAC)	input power (W)
133	Ring mount Φ105	WV213362HBL-7A2	230	106
140	Rear mount Φ58	WV114059HBL-7A2	120	109
160	Ring mount Φ125	WV216062HBL-9A2	230	107
180	Rear mount Φ58	WV218092HBL-9A2	230	180

DC Backward Centrifugal Fan



YD241025HB-W-NCK



YD481391HB-W-EBR



YD481535HB-W-EAT



YD481769EB-W-EBR



YD481969HB-W-EBR



YD482299MB-W-EBJ

Wheel Diameter (mm)	Mounting Type	Model Number	Voltage Range (VDC)	
100	Rear mount Φ56.2	YD241025HB-W-NCK	24	13.2
133	Rear mount Φ58	YD481391HB-W-EBR	48	82.6
150	Rear mount Φ64	YD481535HB-W-EAT	48	21.6
175	Rear mount Φ58	YD481769EB-W-EBR	48	108
190		YD241969EB-W-EBR	24	57.6
190		YD481969HB-W-EBR	48	59
220		YD242271EB-W-EBR	24	84
225		YD242299MB-W-EBJ	24	74.5
225		YD482299MB-W-EBJ	48	115.2