



TECHNICAL DATA SHEET

Breakthrough Motor Efficiency from Q-Sync's Patented Control Technologies

The Next Big Leap in Efficiency is Here

Reduce total cost of ownership with patented motor control technology, industry-leading efficiency, long operating life, ease of installation, and rebate eligibility.



Industry-leading
efficiency



Design life of
>10 years



Ease of Install



Rebate-friendly



Q-Sync® 322 CFM 120V / 60Hz

PRODUCT SPECIFICATIONS

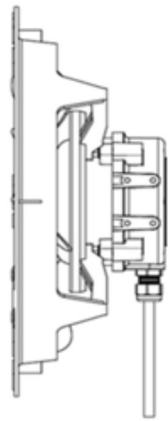
Q-Sync® Synchronous Motor/Fan Assembly

Catalog #	QSA12-1A-CW
Product Selection	
Line Voltage (VAC) / Phases / Freq	120V / 1 / 60
Ambient Temperature Rating	-40°C to 55°C (-40°F to 122°F)
Surge Protection	6000V
Certifications / Approvals	UL, CSA
CSA / UL File Number	E465664
Maximum Operating Altitude	3,048 m / 10,000 ft
Weight - complete assembly (lbs)	3.5 lbs
Shipping Dimensions (in. - LxWxH)	12.5 x 12 x 5.5
Warranty Term (from shipment date)	2 Year
Fan Specifications*	
Fan Airflow (CFM) @ static pressure:	
0.0 in. H ₂ O	322.6
0.1 in. H ₂ O	270.3
Air flow direction	Puller (air inlet on mtr shaft-end)
Fan Diameter (in.)	8
Fan Blade Pitch (degrees)	25
Fan Material	Aluminum
Fan Rotation	CW
Fan Part Number	60010-25
Motor Specifications	
Watts (Rated full load)	12
Horsepower (Rated full load)	1/62
Speed (RPM)	1800
Full-Load Current (Amps)	0.15
Locked Rotor Current (Amps)	1.5
Motor Efficiency (Full Load)	0.75
Power Factor (Full Load)	0.9
Line Voltage Range (VAC)	95-132
Line Voltage Range (% Rated)	-20% / +10%
Motor Type	TEAO
Enclosure Protection	IP65
Insulation Class	Class A (105 C)
Protection	Thermal
Motor Rotation (opposite shaft end)	CW
Cable Length	16 in.
Plug Type	2 Pin Lyall M-2-24
Cable Rating (UL, CSA)	300 V, 105 C 18/2

*For other airflow and fan configurations, contact QM Power

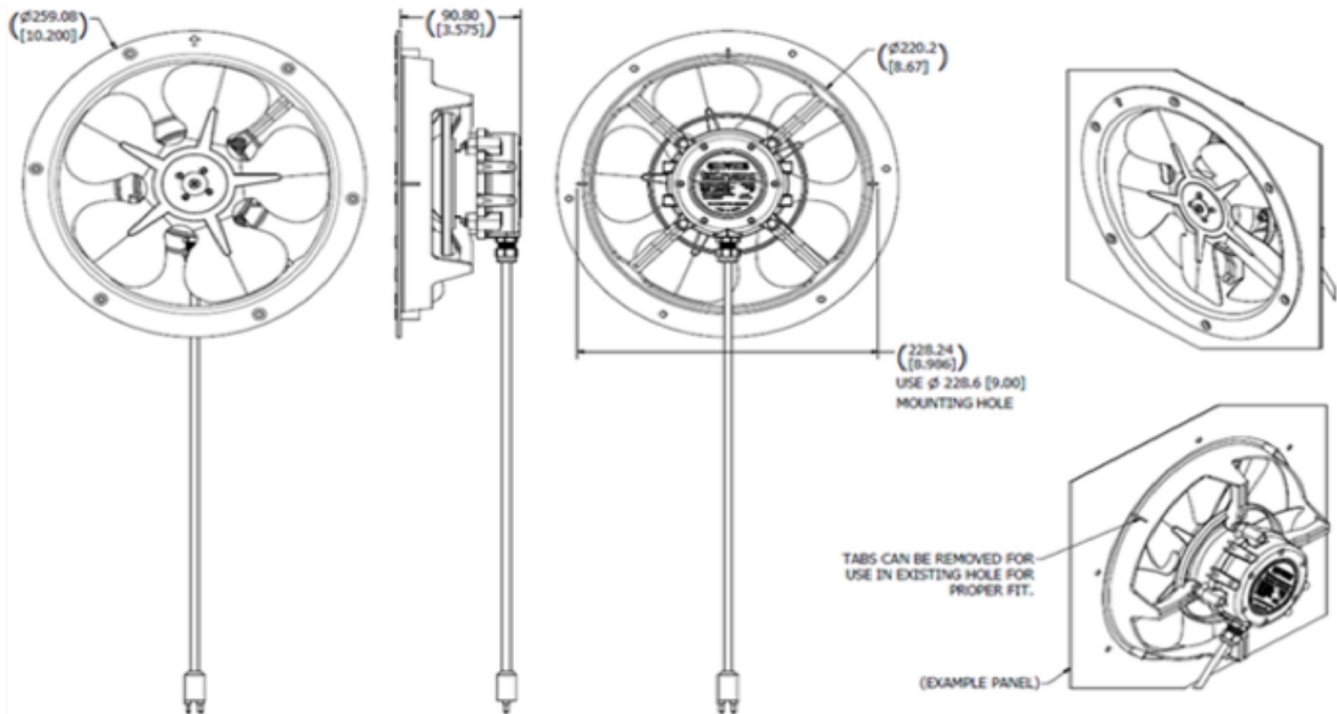
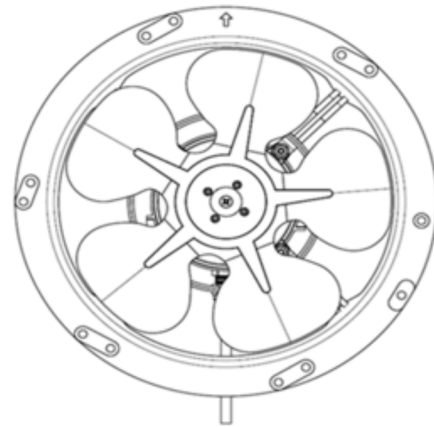


ASSEMBLY



AIR FLOW →

8" FAN BLADE, 25 DEG
60010-25 - ALUM - CW



NOTICE OF CONFIDENTIAL INFORMATION

Information contained herein is Confidential. Where furnished with a proposal, the recipient shall use it solely for the purposes of inspection, installation, or maintenance. Where furnished to a supplier, it shall be used solely in the performance of the contract. The information shall not be used or disclosed by the recipient for any other purpose.

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