

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

PRODUCT SPECIFICATIONS

Q-Sync® Synchronous Motor

PRODUCT SELECTION		Q-Sync® / 38-50W	
Catalog Number		QSM50-1A-CW	QSM50-1A-CC
Rotation (from opposite shaft end)		CW	CCW
Part Number - Motor Only		30044-01	30076-01
AC Line Voltage (Nominal)		120 VAC	230 VAC
Watts (Rated full load)		50	50
Horsepower (Rated full load)		1/15	1/15
Speed Control		Single Speed	Single Speed
Speed (RPM)		1800	1800
AC Line Frequency (Hz)		60	60
AC Line Phases		1	1
ELECTRICAL SPECIFICATIONS			
Line Voltage Range (VAC)		95-132	207-253
Line Voltage Range (% Rated)		-20% / 10%	+/- 10%
Running Current (Amps)		0.54	0.282
Locked Rotor Current (Amps)		5.62	3.12
Efficiency (Full Load)		81%	81%
Power Factor (Full Load)		0.96	0.97

IP65
CERTIFIED



MOTOR SPECIFICATIONS	
Motor Type	Totally Enclosed Air Over (TEAO)
Enclosure Protection	IP65
Ambient Temperature Rating	-40°C to 55°C (-40°F to 122°F)
Insulation Class	Class A (105 C)
Protection	Thermally Protected

GENERAL SPECIFICATIONS	
Certifications / Approvals	UL, CSA
CSA / UL File Number	E465664
Surge Protection	6000V
Maximum Operating Altitude	3,048 m / 10,000 ft

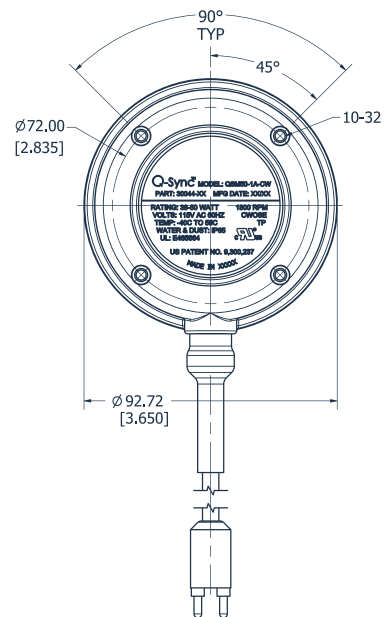
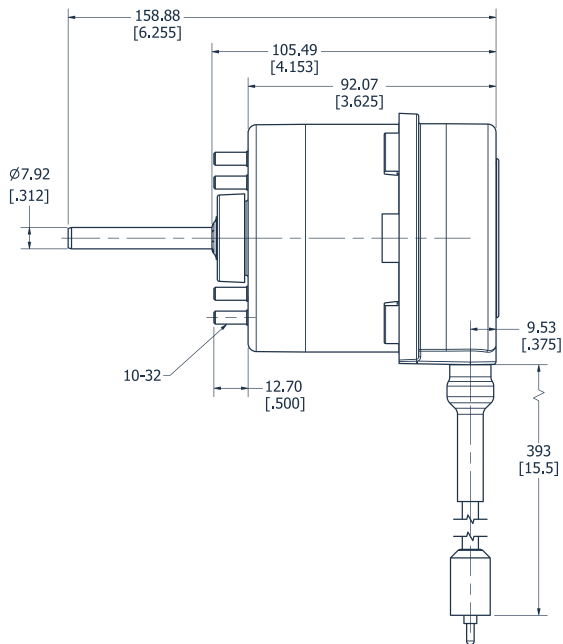
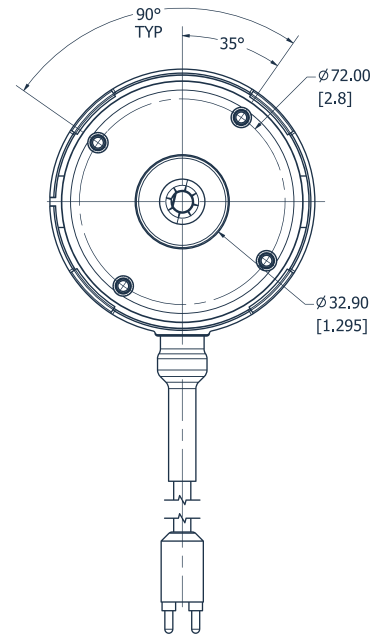
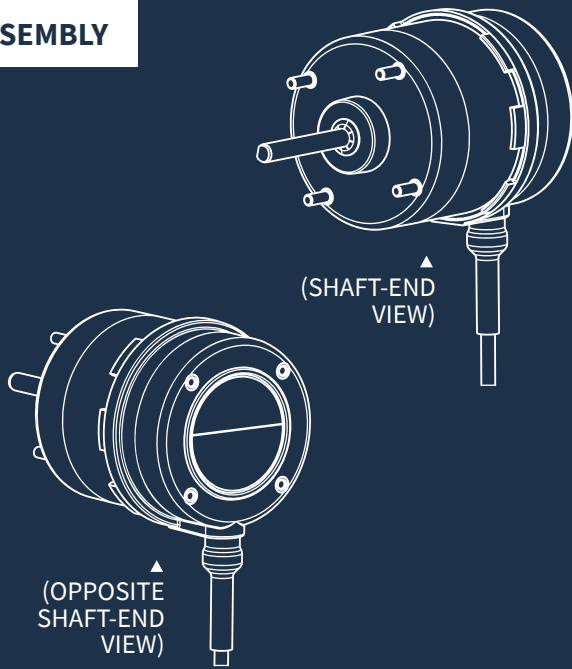
MOTOR CABLE SPECIFICATIONS	
Cable Length	16 in.
Plug Type	2 Pin Lyall M-2-24
Cable Rating (UL/CSA)	300 V, 105 C 18/2

DIMENSIONS & WEIGHTS	
Overall Length	6.255 in / 158.88 mm
Shipping Weight	3.5 lbs / 1.58 kg
Box Dimensions (in. - LxWxH)	7.25 in x 7.5 in x 6.5 in

FAN SPECIFICATIONS (SUPPLIED SEPARATELY)

Multi-Fan Systems:	
CFM (at zero static pressure)	534
Fan Diameter (inches)	12
Blade Pitch	13 Degrees
Single-Fan Systems:	
CFM (at zero static pressure)	686
Fan Diameter (inches)	12
Blade Pitch	18 Degrees

ASSEMBLY



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.

QM Power, Inc.
 9319 Robert D. Snyder Rd, Suite 428
 Charlotte, NC 28223
 +1 (816) 246-4200
www.qmpower.com