



## 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® 12W 50Hz

## PRODUCT SPECIFICATIONS

Q-Sync® Synchronous Motor

Model	QSM12-2B-CW
Part Number	30058-01
Volts	230 V
Voltage Range	207-253 V
Running Current (Amps)	0.079 A
Locked Rotor Current (Amps)	1.22 A
Horse Power	1/62 HP
Watts	6-12 W
RPM	1500
Frequency	50 Hz
Rotation (opposite end of shaft)	CW/SE
Phase	1
Temp	-40°C - 55°C (-40°F - 122°F)
Protection	Thermally Protected
Surge Protection	6000 V
Approvals	UL / CSA / CE
CSA / UL File Number	E465664
Class	Class A (105 C)
Motor Type	Continuous Air Over
Plug	2 Pin Lyall M-2-24
Cable Length	16 Inches Long
Cable Rating	300 V, 105 C 18/2 CSA
Cable Rating	300 V, 105 C 18/2 UL
Shaft Diameter	8 mm / .3149 in
Front Mounting Pattern	95.25 mm / 3.75 in
Rear Mounting Pattern	71.45 mm / 2.813 in
Foot Mounting	8-32 in pattern 1.125 in x .625 in
Fan Mount Screw Size	8-32 in
Moisture Protection	IP65
Fan Blade Pitch	8 inch, 25 degrees
Speeds	Single
Design Life	10 years
Warranty	2 years
Maximum Operating Altitude	3048 m / 10,000 ft
Weight Motor Only	2 lbs / 0.91 kg
Box Dimension Motor Only	LxWxH 7 x 6.25 x 4 in LxWxH 17.8 x 15.9 x 10.2 cm
Weight Motor, Basket, Fan Ass	3.5 lbs / 1.59 kg
Box Dimension Fan Assembly	LxWxH 12.5 x 12 x 5.5 in LxWxH 31.8 x 30.5 x 14 cm
Efficiency @12W (rated power)	74%
Power Factor	0.92
Amps	0.077 A
Volts	230 V

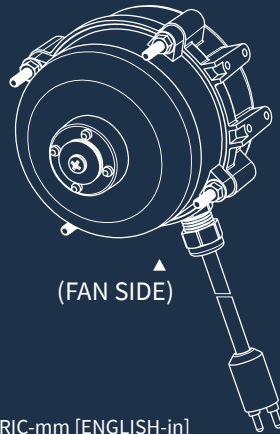
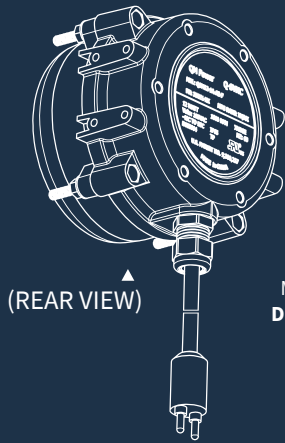
IP65  
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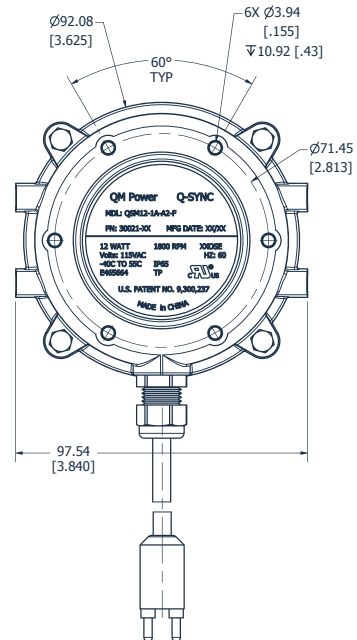
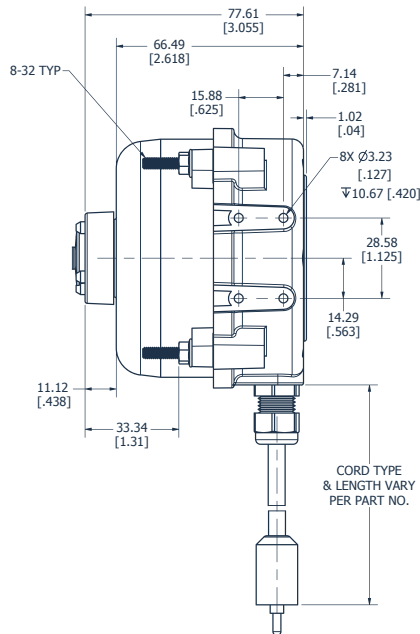
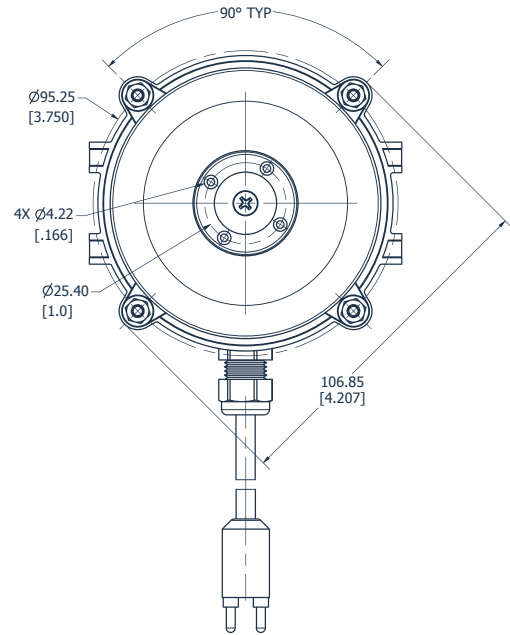
## ASSEMBLY



METRIC-mm [ENGLISH-in]  
**DIMENSIONAL TOLERANCE**  
*(Unless Otherwise Specified)*

X.XX	±0.13
[.XXX]	±[.005]
X.X	±0.25
[.XX]	±[.010]
X	±0.5
[.X or FRACTIONAL]	±[.020]

Do Not Scale Print



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