



## TECHNICAL DATA SHEET

# QEC: The High Efficiency QM Power ECM

The Next Big Leap in Efficiency is Here

### The next generation of motors has arrived.

The QEC motor from QM Power delivers the highest energy efficiency of any ECM motor on the market. Like all QM Power motors, the QEC was engineered for superior reliability and service life. It is IP 65 rated and employs more robust capacitors and resistors, as well as higher performance bearings, than the industry standard. The QEC motor is designed for superior reliability and service life with universal mounts that easily adapt to most applications (and when combined with our complete fan assembly, make installation up to 4X faster!).



QEC 6-12W 50/60 Hz

## PRODUCT SPECIFICATIONS

QEC - Electronically Commutated Motor (ECM)

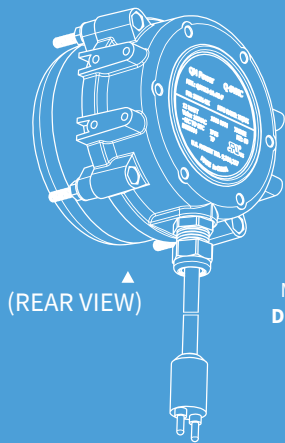
Model	QEC12-3C-CW
Part Number	30034-01
Volts	115 V / 230 V
Voltage Range	95-253 V
Running Current (Amps)	0.17 - 0.26 A
Locked Rotor Current (Amps)	0.4 - 0.55 A
Horse Power	1/62 HP
Watts	6-12 W
RPM	1550 RPM
Frequency	60 Hz / 50 Hz
Rotation (opposite end of shaft)	CW/SE
Phase	1
Temp	-40°C - 55°C (-40°F - 122°F)
Protection	Thermally Protected
Surge Protection	6000 V
Approvals	UL / CSA / CE
CSA / UL File Number	E465664
CE File Number	EN60034-1
Class	Class A (105 C)
Motor Type	Continuous Air Over
Plug	2 Pin Lyall M-2-24
Cable Length	40.64 cm / 16 in
Cable Rating	300 V, 105 C 18/2 CSA
Cable Rating	300 V, 105 C 18/2 UL
Shaft Diameter	8 mm / 0.3149 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 in, 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)	73 - 70%
Power Factor	0.53 - 0.42
Amps	0.26 - 0.18 A
Volts	120 - 230 V

IP65  
CERTIFIED

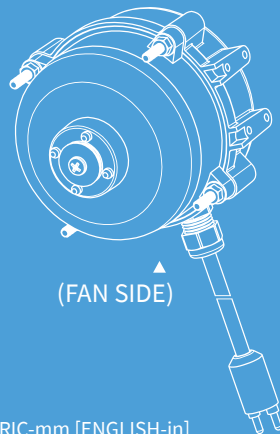
UL<sup>®</sup>  
US

CE

## ASSEMBLY



(REAR VIEW)

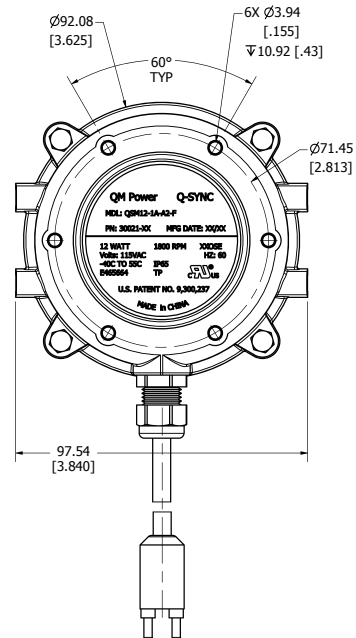
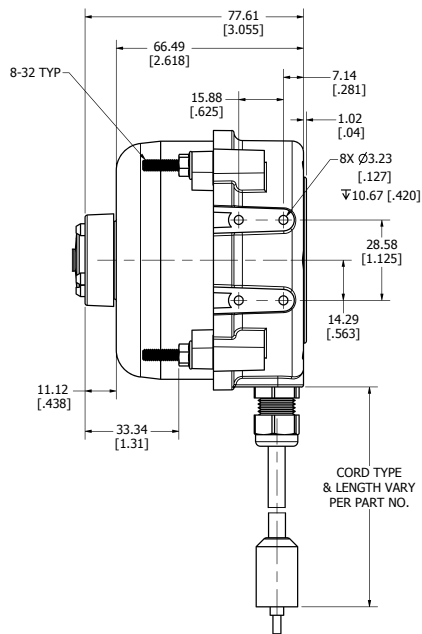
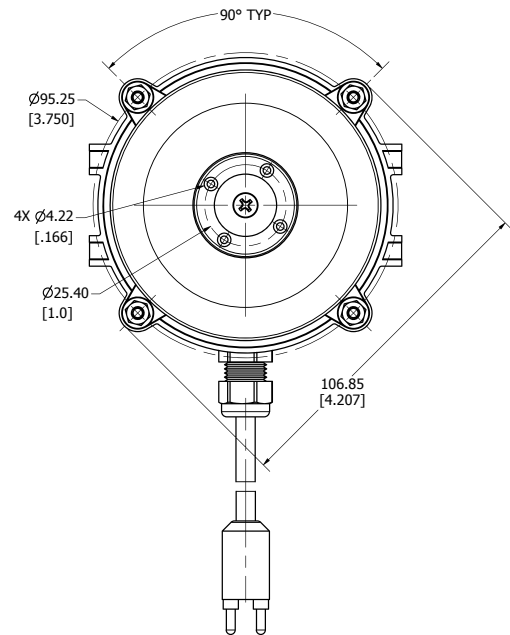


(FAN SIDE)

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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