

Introduction

As energy savings have become increasingly critical for the commercial refrigeration and ice machine industries, EC Fans & Drives commercial refrigeration electronically commutated (EC) products provide outstanding reliability and improved power efficiency compared to traditional shaded pole and PSC motors and comply with latest legislation to use ATEX approved “spark free” motors in hydrocarbon refrigerated systems.



Motor

Motor Type:	ECY Series Motor
Motor Protection:	Electronic and Thermally protected
IP Protection:	IP65

Mechanical

Case Material:	Plastic
Bearing:	Sealed ball bearings
Shaft Material:	Stainless steel (corrosion resistant)
Rotation:	CW or CCW
Connection:	Cable can be supplied with connectors or molded plug fitted


Electrical

Operation Voltage:	120/230VAC (50/60Hz)
Speed Control:	Constant speed
Insulation Class:	Class B (130°C)

Environmental

Operating Temp:	-40°C to +50°C
Life Expectancy:	40,000 hours @ 40°C
Approvals:	UL, CUL, TUV, CE, ATEX

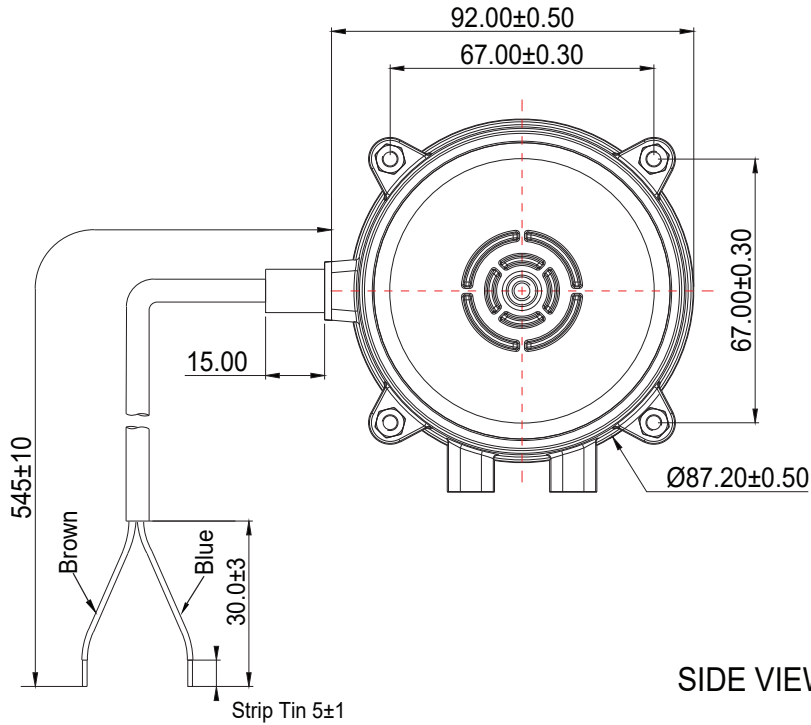
Wiring Diagram

Speed	Diagram	DOR	RPM
1		CW or CCW	3200rpm (Max)

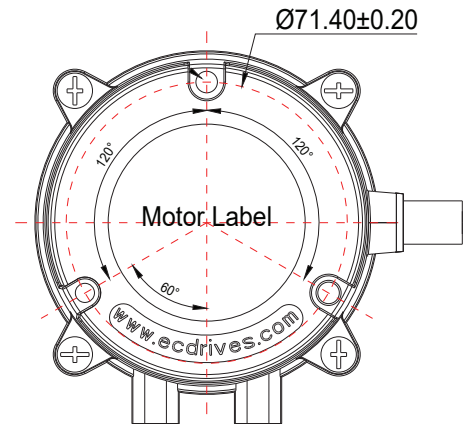
Lead wire detail for illustration purposes only. The lead wire can be produced to customer specifications and supplied with connectors / molded plug fitted.

Outline Dimensions

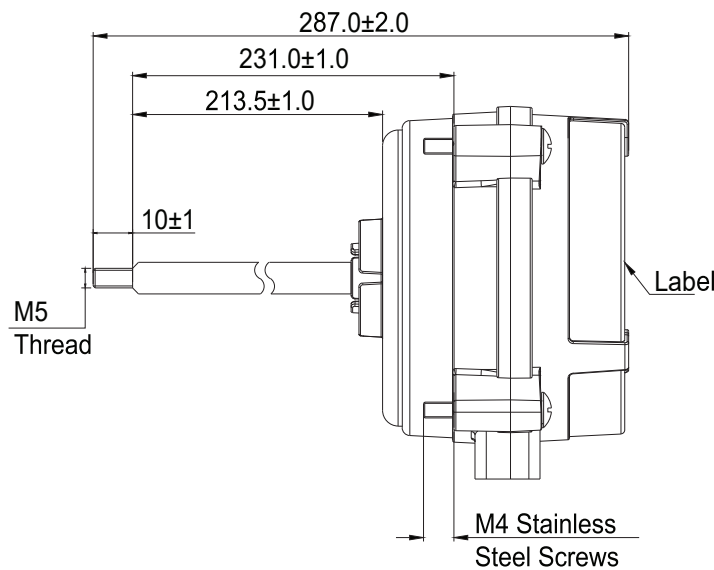
FRONT VIEW



REAR VIEW



SIDE VIEW



Above shaft detail for illustrative purposes only. The shaft length can be produced to customer requirements. Lead wire detail for illustration purposes only. The lead wire can be produced to customer specifications and supplied with connectors / molded plug fitted.