

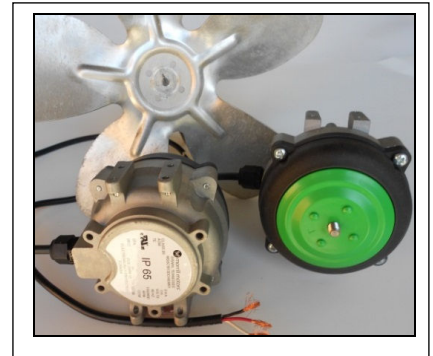
## Equipment and Accessories

**ECM-I Controller:** Use this controller with two-speed, three-wire EC motors. See Introducing ECM-I Motor Controller for specifications. Standard package includes accessory kit containing Ice Sensor, Temperature Differential Sensor, Power Pigtail and selected fittings. When ordering, indicate the voltage desired, 120 or 240.

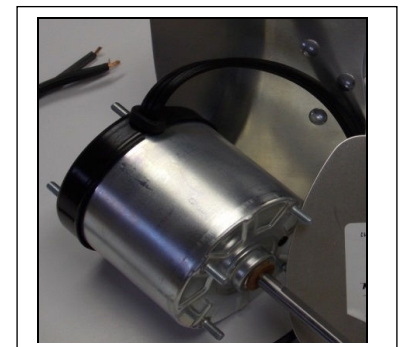


**ECM-III Controller:** Use this two speed controller with variable speed EC Motors, normally 460 volts. When ordering, it is important to specify the speed of the original fan motor as the controller determines both the high and low speeds of the motors they are controlling. The low speed will be set to 40% of high speed unless the customer requests otherwise.

**2SB13 (120 volts) and 2SB14 (240 volts);** These two speed motors are for direct replacement of **16 watt** shaded pole motors and may be used with the **ECM-I** Frigitek controller. These differ from standard motors in that the shaft is  $\frac{1}{4}$ " diameter and threaded.



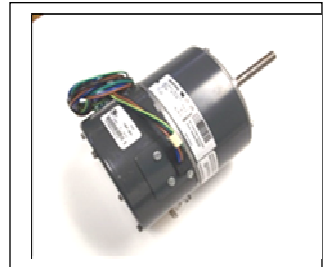
**MA59 Two-speed Motor** will replace 1/20 and 1/15 horsepower shaded pole motors. This motor uses a four bolt front or rear 2" square mounting pattern. It may also be used where the motors are clamped into a band of 3.3" diameter. These motors are factory programmed to operate at 1550 and 800 rpm with a **fixed** rotation of **CW-SE**. Be sure to specify voltage.





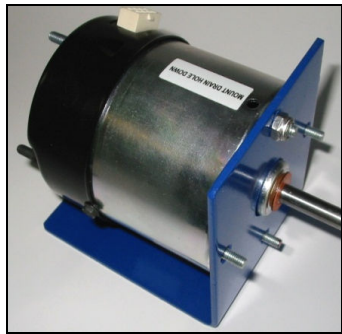
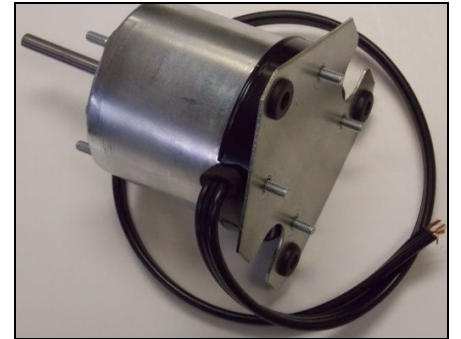
**MA142 Series** of two-speed EC motors are all 48 frame type meaning they are 5.625" in diameter and have a 1/2" shaft. These motors are used to replace PSC and three-phase motors to 240 volts. The standard speed settings are 1075 and 430 RPM with a CW-SE rotation. Speed and rotation can be reprogrammed before shipping. All motors are smooth, without mounting brackets. Where base mount or 56 frame (6.5" diameter) motors are being replaced, refer to the accessories below. Note: The last two digits denote motor horsepower. Use ECM-I Frigitek controller with these motors. Specify voltage, 120 or 240.

**P480, 48 Frame Series** are 480 volt, variable speed motors in four sizes; 1/3, 1/2, 3/4 and 1 horsepower. They are used to replace conventional PSC and three-phase motors. The ECM-III controller is used with these motors. Be sure to specify the speed of the original motors when ordering these motors and the controller. All P480, 48 frame motors are smooth, therefore if replacing base or cradle mounted motors, adapters will be required.



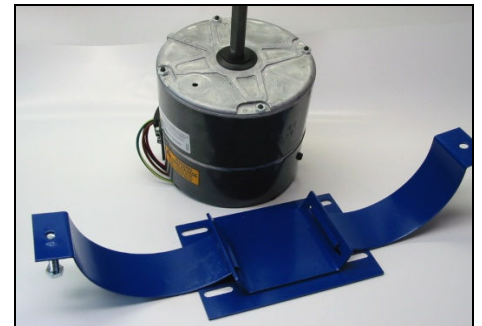
**P240 and P480 Three-phase** EC motors are all 56 frame type, base mounted, with a 7/8" shaft. They are variable speed and are used with The Frigitek ECM-III controller. Because of cost, these motors normally must be factory ordered, which will often involve an eight week lead time. Though pricey, these motors show an excellent return on investment as the manufacturer claims an 88% plus efficiency. See photo of the back end of these motors on the last page.

**AP59 Adapter Plate** is used when installing the MA59 motor into low velocity coils. These are the coils that are often found in butcher shops and florist coolers where the motor is mounted with the shaft vertically downward. The adapter is attached to the motor and lifted into the coil where the three mounting studs protrude through the grommets.



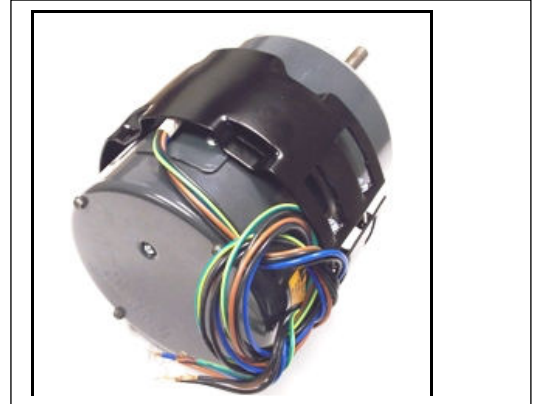
**AL59 Mounting 'L' Adapter** is used when base mounted motors are being replaced by the MA59 motor. In the accompanying photo, the front of the motor is bolted to the adapter but the motor or the adapter may be rotated to more perfectly position the shaft and fan. There are four holes in the base of the adapter that will most often fit the original pattern but other holes may be drilled as needed.

**BR48 Mounting Bracket** is used with the MA120, MA240 and the P480 48 frame series motors when replacing base or cradle mounted conventional motors. A 48 frame motor will have a diameter of 5.625" and will normally have a 1/2 inch shaft.



**BR56 Mounting bracket** is used when replacing conventional 56 frame motors that are either base or cradle mounted. 56 frame motors are 6.5" in diameter and will most frequently have a 5/8" diameter shaft, in which case, a shaft sleeve will be required (see below).

**AW48 Belly Band Adapter** is used when replacing 56 frame motors which are clamped in wire frames. To obtain proper depth adjustment, it may be necessary to remove one of the front screws that hold the wire entry cover plate on the motor.



**SS516 Shaft Sleeve** Is slipped over the 5/16" shaft of a MA59 motor when the original motor has a 3/8" shaft.

**SS12 Shaft Sleeve** Is slipped over the 1/2" shaft of either the MA or P series motors when the original motor shaft has a 5/8" diameter as is often the case when replacing 56 frame motors.

