



Evergreen™
 Powered by ECM Technology



What applications will the Evergreen IM work in?

The Evergreen IM is designed to replace direct drive PSC (Permanent Split Capacitor) motors in any residential or light commercial HVAC system, 5 ton or less and 150k Btu or less in capacity. That includes all fossil fuels, electric heat, A/C, heat pump, dual fuel and geothermal systems. **However, the Evergreen IM should not be used to replace Variable Speed or X13 ECM motors. These should only be replaced by the factory approved replacement motor from the respective manufacturer.**

What voltage will the Evergreen IM work on?

The Evergreen IM is a dual voltage motor capable of operation at 115vac or 230vac.

Will the Evergreen IM run both CW and CCW?

The Evergreen IM will automatically configure itself to the proper rotation of any HVAC system using patent pending Rotation Sensing Technology.



Rotation Sensing Technology™

What size Evergreen IM is right for my application?

The Evergreen IM is built in two multi-horse power sizes to replace 1/5 – 3/4 horse power PSC motors. The selection charts below are a combination of matching the horse power (Hp) of the existing PSC motor **AND** the capacity of the existing HVAC system to the appropriate Evergreen IM.

<p>HVAC System 1/5 – 1/2 Hp PSC 1.5 – 3 Ton 40 – 100k BTUH</p>	}	1/2 Hp Evergreen IM
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<p>HVAC System 1/2 – 3/4 Hp PSC 3.5 – 5 Ton 110 – 150k BTUH</p>	}	1 Hp Evergreen IM
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Will I need a new motor mount for the Evergreen IM?

The Evergreen IM has a 48 NEMA frame size which is the most common PSC motor frame size used in residential and light commercial HVAC. It requires a belly band mount. If the existing mount is a belly band style, it will most likely work on the Evergreen IM. Torsion flex mounts will work on the 1/2 horse power motor but are not strong enough for the 1 horse power motor. The Evergreen IM will be approximately 1-2” longer than the old motor. If space is a concern, a new recessed motor mount may allow the Evergreen IM to be adjusted further into the blower housing.

To download the entire installation manual and watch instructional training videos on the Evergreen IM please visit www.EvergreenDealer.com