

National Resource Management DATA SHEET

NRM Evaporator Fan Replacement Motor

The new NRM SSC², or electronically commutated motor, manufactured by Morrill Motors offers premium efficiency for walk-in cooler and freezer retrofits for applications that require 16W to 23W of output power. Its unit bearing construction offers significant advantages and benefits to the customer. It has peak efficiency in excess of 80% and is a drop in replacement. This motor was designed with universal



mounting capabilities to provide flexibility for the various brackets offered by evaporator coil OEM's. It significantly out performs both PSC and Shaded Pole technology. Morrill's unit bearing motor has long set the industry standard for reliability and quality. The new NRM SSC² motor operates on 115VAC or 230VAC, 60/50HZ with an output rating of 16 to 23 WATTS and runs at 1550 RPM.

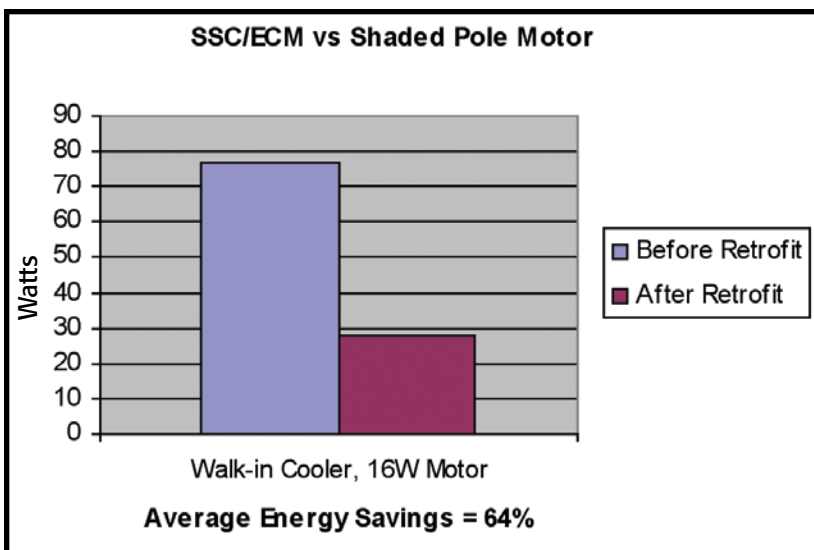
NRM Model Numbers

ME30-1CWSE1-115V

ME30-2CWSE1-230V

EXISTING MOTOR	BEFORE RETROFIT	AFTER RETROFIT
16W Shaded Pole Motor, Walk-in Cooler	77	28

As shown on the graph above, the NRM SSC²'s power consumption is significantly lower than the 16W motor which it replaced. In this example, one motor would save nearly 700KwH annually (includes refrigeration savings and motor runs 24/7). The performance of the new motor shows a great improvement in any application where it replaces a Shaded Pole or PSC motor.



The picture above shows the NRM SSC² motor installed in Walk-in Cooler Evaporator Coil (before the blade is installed).