

WATERTRONICS® Explains the benefits of Inverter Duty and Premium Efficiency Motors

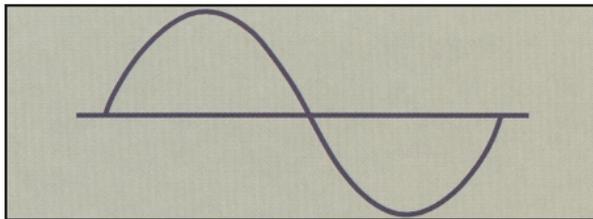
- Higher motor electrical efficiency rates of 4% to 6%, will equate to hundreds of dollars saved per year.

Example based on \$.065 per Kw hours.

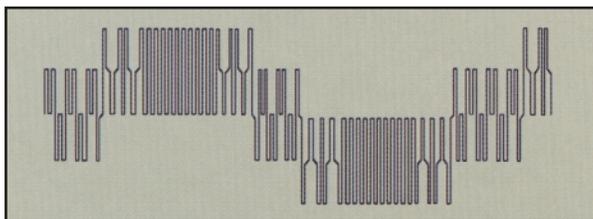
Connected HP	\$Savings/1000 hours	\$Savings/2000 hours
100	\$300.00	\$600.00
200	\$600.00	\$1,200.00
300	\$900.00	\$1,800.00
400	\$1,200.00	\$2,400.00

- Built to withstand inverter power better than conventional motors
- Balanced to tighter tolerances for higher efficiency and durability
- Extended warranty by the motor manufacturer of up to 3 years

In addition to the standard insulation system, the "Inverter Grade" Insulation System includes: additional lacing on end turns, phase paper, additional dips and bakes, and pulse resistant magnet wire.

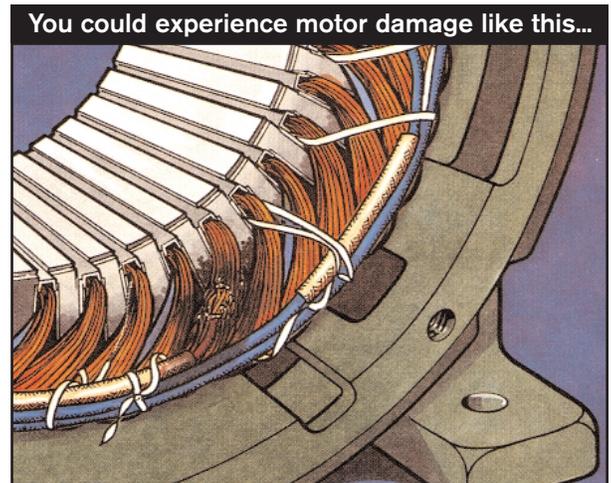


Sinewave Voltage (normal "utility" voltage)

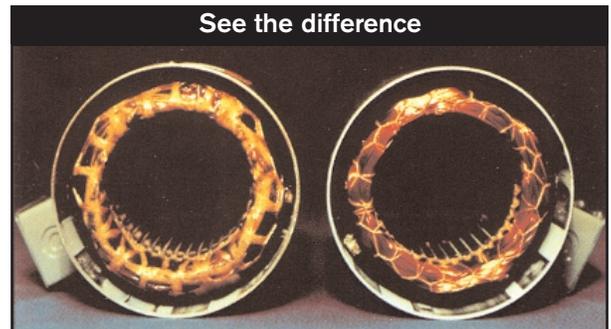


Line to Neutral Voltage (VFD manufactured voltage)

Many PWM adjustable frequency controls deliver voltage that looks like this, which may damage your motor's insulation.



Voltage Stress Insulation Failure



"Inverter Grade" Insulation System

Standard Insulation System