

Variable Speed Motor Savings Estimate Worksheet

On an annual basis, Variable Speed motors will use about 1/3 the electricity that an old-fashioned, single-speed motor will use. In addition, variable speed motors are designed to operate constantly, thus delivering many benefits including, improved comfort, quieter operation, and improved health by allowing high-efficiency air filters and humidifiers to operate constantly...all while saving money!

- ◆ **IF YOUR OLD FURNACE AND AIR CONDITIONING MOTOR HAS BEEN RUNNING 24 HOURS A DAY, YEAR ROUND, WHAT HAS THAT BEEN COSTING YOU?**

(HOURS PER YEAR) X (VOLTAGE OF MOTOR) X (AMPS OF MOTOR) X (COST OF AN ELECTRIC KWH) / 1000

$$(8760) \times (120) \times (_) \times (\$. _) / 1000 = \boxed{}$$

- ◆ **IF YOUR OLD FURNACE AND AIR CONDITIONING MOTOR HAS BEEN RUNNING ONLY TO PROVIDE HEATING AND COOLING, WHAT HAS THAT BEEN COSTING YOU?**

(HOURS OF OPERATION PER YEAR) X (VOLTAGE OF MOTOR) X (AMPS OF MOTOR) X (COST OF AN ELECTRIC KWH) / 1000

$$(3000) \times (120) \times (_) \times (\$. _) / 1000 = \boxed{}$$

- ◆ **WHEN YOUR NEW VARIABLE SPEED FURNACE AND AIR CONDITIONER IS OPERATED CONSTANTLY, 24 HOURS A DAY, YEAR-ROUND, WHAT WILL THAT COST YOU?**

(HOURS PER YEAR) X (VOLTAGE OF MOTOR) X (AMPS OF MOTOR) X (COST OF AN ELECTRIC KWH) X .33 / 1000

$$(8760) \times (120) \times (_) \times (\$. _) \times .33 / 1000 = \boxed{}$$

IF YOU WERE RUNNING YOUR OLD-FASHIONED FURNACE FAN CONSTANTLY,
AND NOW YOU HAVE A VARIABLE SPEED MOTOR RUNNING CONSTANTLY,
YOUR ANNUAL SAVINGS WILL BE \$

IF YOU WERE RUNNING YOUR OLD-FASHIONED FURNACE FAN FOR JUST HEATING AND AIR
CONDITIONING, AND NOW YOU HAVE A VARIABLE SPEED MOTOR RUNNING CONSTANTLY,
YOUR ANNUAL SAVINGS WILL BE \$