Series connection:
If, for example, two 5 Mfd., 370 VAC capacitors are wired in series, the following formula will show equivalent capacitance and voltage rating they produce when connected this way.

Mfd. = 1 / (1/Capacitor one) + (1/Capacitor two)
= 1/(1/5 + 1/5)
= 2.5 Mfd.

The two 370 VAC capacitor ratings add together in a series connection giving 740 VAC total capability.

Parallel connection:
If the two capacitors are wired in parallel the following formula will show the Mfd. result.

Mfd. = Capacitor one + Capacitor two
= 5 + 5
= 10 Mfd.

In a parallel connection, the two 370 VAC capacitor ratings do not add together, so the total capability is still 370 VAC.

CONDENSATION AND DRAIN PLUGS

FACT Differences between daytime and nighttime temperatures can create condensate in totally enclosed motors. A drain hole should be at the lowest point in the motor to permit the condensate water to exit.

FACT Certain Fasco motors are designed to be used in outside applications as with condensers, for example. Motors used in these condensers may be totally enclosed non-vented. When replacing these motors with Fasco motors, be sure to pull the blue condensation plug on the Fasco motor, on the end that will point down. By pulling the drain plug, the condensation that builds up in the motor can drain properly.

FACT Remember that Fasco has two colors of plugs on the motors. The blue plugs are condensation drain plugs and the yellow plugs are for re-oiling.