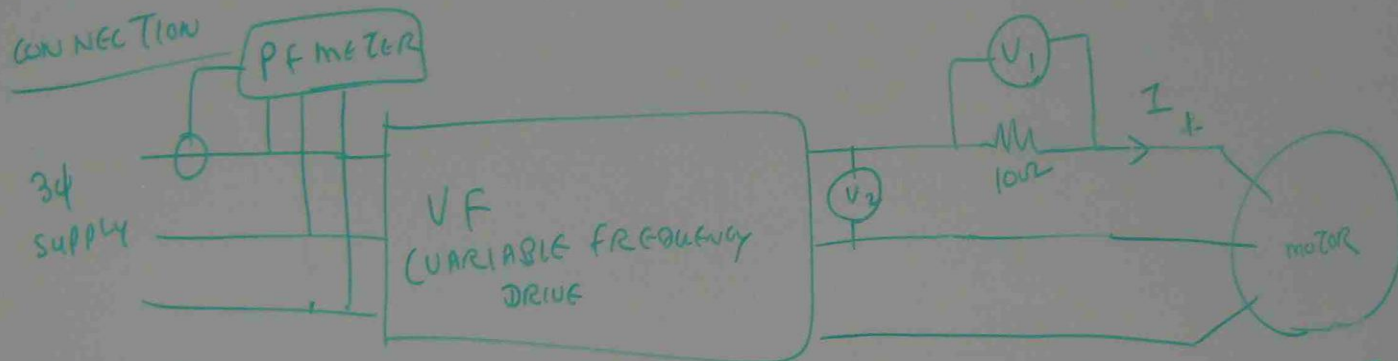


## VARIABLE FREQUENCY DRIVE SYSTEM

AIM TO INVESTIGATE POWER, CURRENT DRAWN BY 3 $\phi$  MOTOR  
DRIVEN BY VARIABLE FREQUENCY / VARIABLE DRIVE SYSTEM



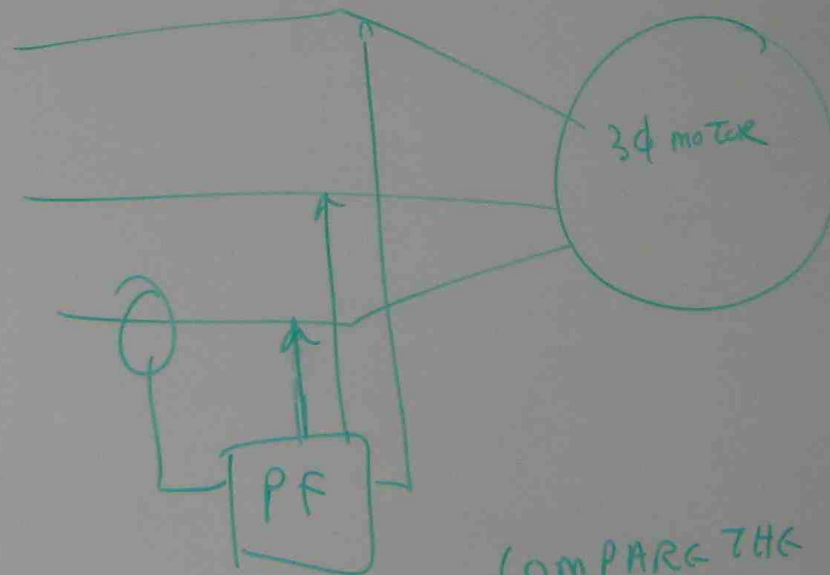
ADJUST FREQUENCY AND MEASURE THE CURRENT AND VOLTAGE ACROSS MOTOR

FREQUENCY	$V_2$	$V_1$	$I_1 = \frac{V_1}{100\Omega}$	POWER (U.A) = $\sqrt{3} V_2 I_1$

TAKE 3  $\rightarrow$  4  
READINGS

NOTE P.F METER READING AT SUPPLY TO  
V.F DRIVE

MEASURE P.F DIRECTLY ACROSS THE MOTOR



COMPARE THE READINGS.

