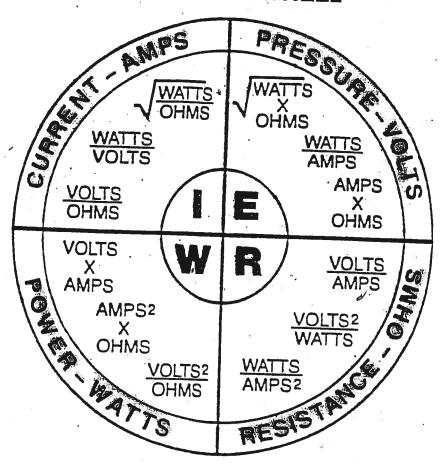
OHM'S LAW WHEEL



Other Formulas and equations

1 horse power = 746 Watts.

1 Watt = 3.41 British Thermal Units (B.T.U.)

Calculating Voltage Drop

E=IR.

Find Ampicity of wire from AWG chart.

Calculate Ohms per 1000 feet.

Subtract calculated voltage drop from Voltage supplied.

Capacitors

Capacitors in Parallel. Sum of capacitors is total capacitance.

Capacitors in Series. $C = C_1 \times C_2 \over C_1 + C_2$

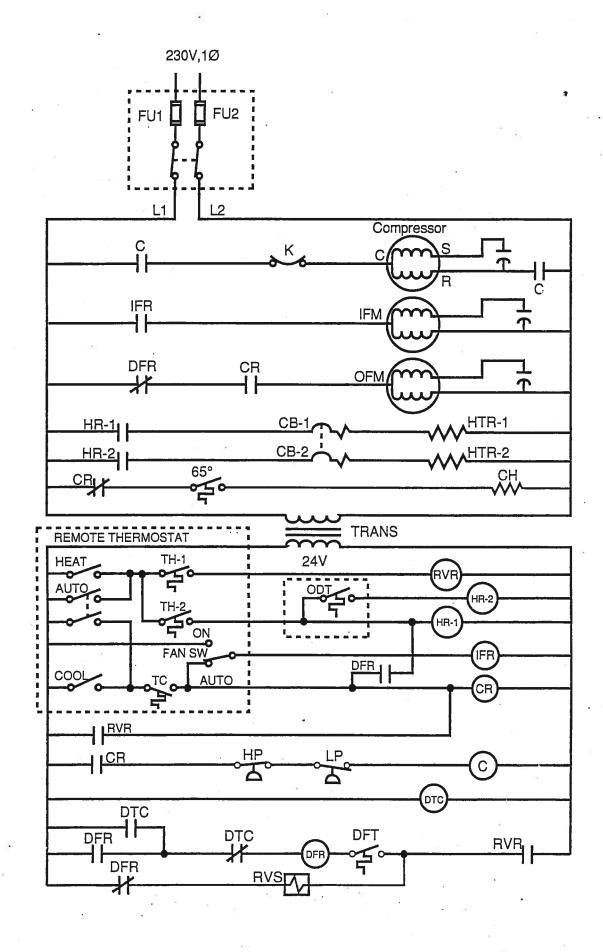
Exact Capacitance. Read amperage after voltage applied. Microfarads= 2650 X Amperes Volts

17.		,			都
What is a Watts I 18.	Law?	·			8
1 × 1 × 1	·e				Ħ
What resistance y	would a new 1.5 KV	V/240 VAC	electric strip	duct heater ha	ve? (3 pts)
19.					•
9	•				
*	-				ş
×	€	III.			
VAC transformer 20.	can be safety drawr , if it has a rating of	i from the se 50 VA? (3 ₁	econdary win ots)	dings of a 120	VAC to a 24
20	9		6):	<i>*</i>	
	** ** ** **			÷.	
	- E		M 16		
drawn on the seco	volt transformer is ondary windings? (3	pts)		idily umps cam	oc salely
		j			* 10 %
				#3	
	e e				
How much currer 22.	nt should a 600 watt	/ 240 volt (chiller barrel	heater draw? (3pts)
		. " 2	. 8		
23.	otal resistance of the	e above heat	ter have? (3 p	ots)	7 - 8
		II.			
What is the total r	esistance in a circui	it with 4 - 5(ohm resisto	rs in parallel fo	ollowed by 2
- 75 onm resistors	s in series? (5 pts)) Omn 1001010	is in paramer in	onowed by 2
24	t		T^\\\		
		0-	+~~~		VV0

START-UP CHECKLIST

1	PRELIMINARY INFORMATION
	OUTDOOR: MODEL NO SERIAL NO
	INDOOR, AIR HANDLER MANUEACTURED
•	MODEL NO SERIAL NO
	MODEL NO SERIAL NO ADDITIONAL ACCESSORIES
H.	. PRE-START-UP
	OUTDOOR UNIT IS THERE ANY SHIPPING DAMAGE?
. 25	HAVE COMPRESSOR HOLDDOWN BOLTS BEEN LOOSENED? (Y/N)
•	CONTROLS ARE THERMOSTAT(S) AND INDOOR FAN CONTROL WIRING CONNECTIONS MADE AND CHECKED? (Y/N) ARE ALL WIRING TERMINALS (including main power supply) TIGHT? (Y/N) HAVE CRANKCASE HEATERS BEEN ENERGIZED FOR 24 HOURS? (Y/N)
•	INDOOR UNIT HAS WATER BEEN PLACED IN DRAIN PAN TO CONFIRM PROPER DRAINAGE? ARE PROPER AIR FILTERS IN PLACE? (Y/N) HAVE FAN AND MOTOR PULLEYS BEEN CHECKED FOR PROPER ALIGNMENT? (Y/N) DO THE FAN BELTS HAVE PROPER TENSION? (Y/N)
	PIPING ARE LIQUID LINE SOLENOID VALVES LOCATED AT THE EVAPORATOR COILS AS REQUIRED? (Y/N) HAVE LEAK CHECKS BEEN MADE AT COMPRESSORS, CONDENSERS, EVAPORATORS, TXVs (Thermostatic Expansion Valves), SOLENOID VALVES, FILTER DRIERS, AND FUSIBLE PLUGS WITH A LEAK DETECTOR? (Y/N) LOCATE, REPAIR, AND REPORT ANY LEAKS. HAVE ALL COMPRESSOR SERVICE VALVES BEEN FULLY OPENED (BACKSEATED)? (Y/N) ARE THE COMPRESSOR OIL SIGHT GLASSES SHOWING ABOUT 1/8 TO 1/3 FULL? (Y/N)
	CHECK VOLTAGE IMBALANCE LINE-TO-LINE VOLTS: AB V AC V BC V (AB + AC + BC)/3 = AVERAGE VOLTAGE = V MAXIMUM DEVIATION FROM AVERAGE VOLTAGE = V VOLTAGE IMBALANCE = 100 X (MAX DEVIATION)/(AVERAGE VOLTAGE) = % IF OVER 2% VOLTAGE IMBALANCE, DO NOT ATTEMPT TO START SYSTEMI CALL LOCAL POWER COMPANY FOR A SSISTANCE

TEAL PUMP LADDER DIAGRAM



TEAL PUMP LADDER DIAGRAM

