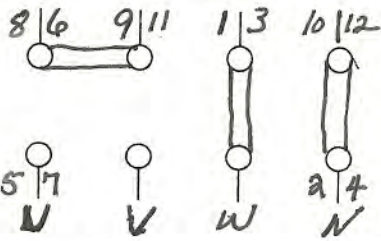
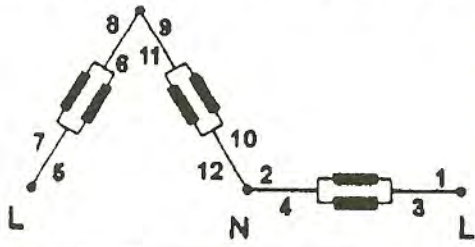
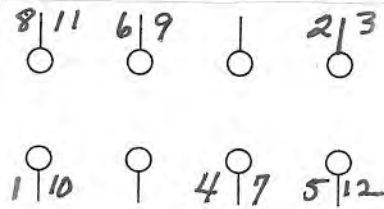
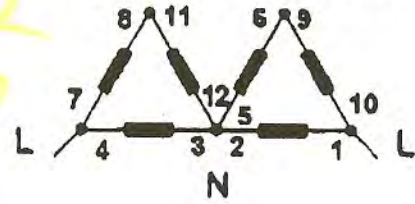


**SINGLE PHASE 120/240 VOLTS  
PARALLEL ZIG ZAG**

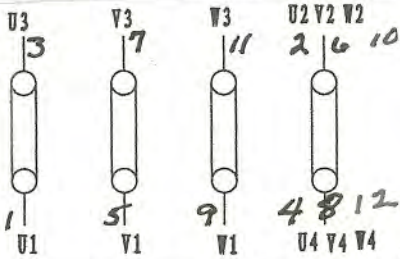
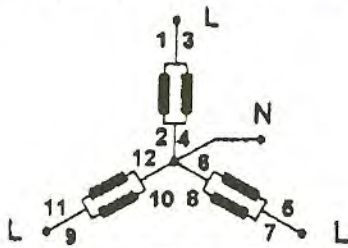


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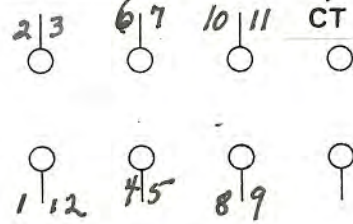
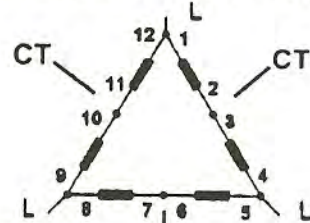
**SINGLE PHASE 120/240 VOLTS  
DOUBLE DELTA**



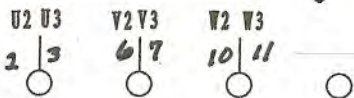
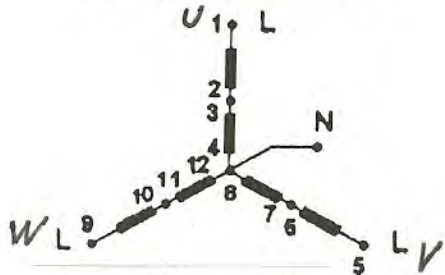
**THREE PHASE 120/208 VOLTS  
PARALLEL STAR**



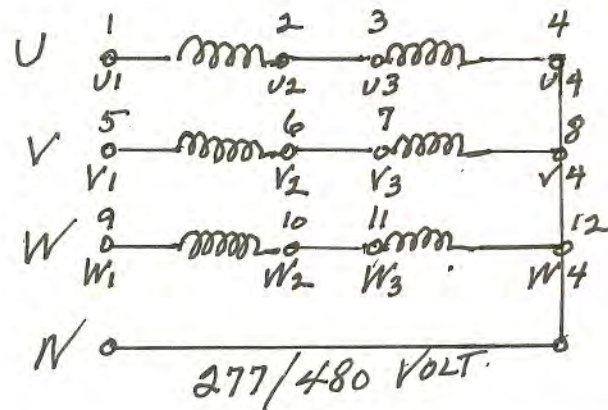
**THREE PHASE 240 VOLTS  
SERIES DELTA (NO NEUTRAL)  
CT CENTER TAP**

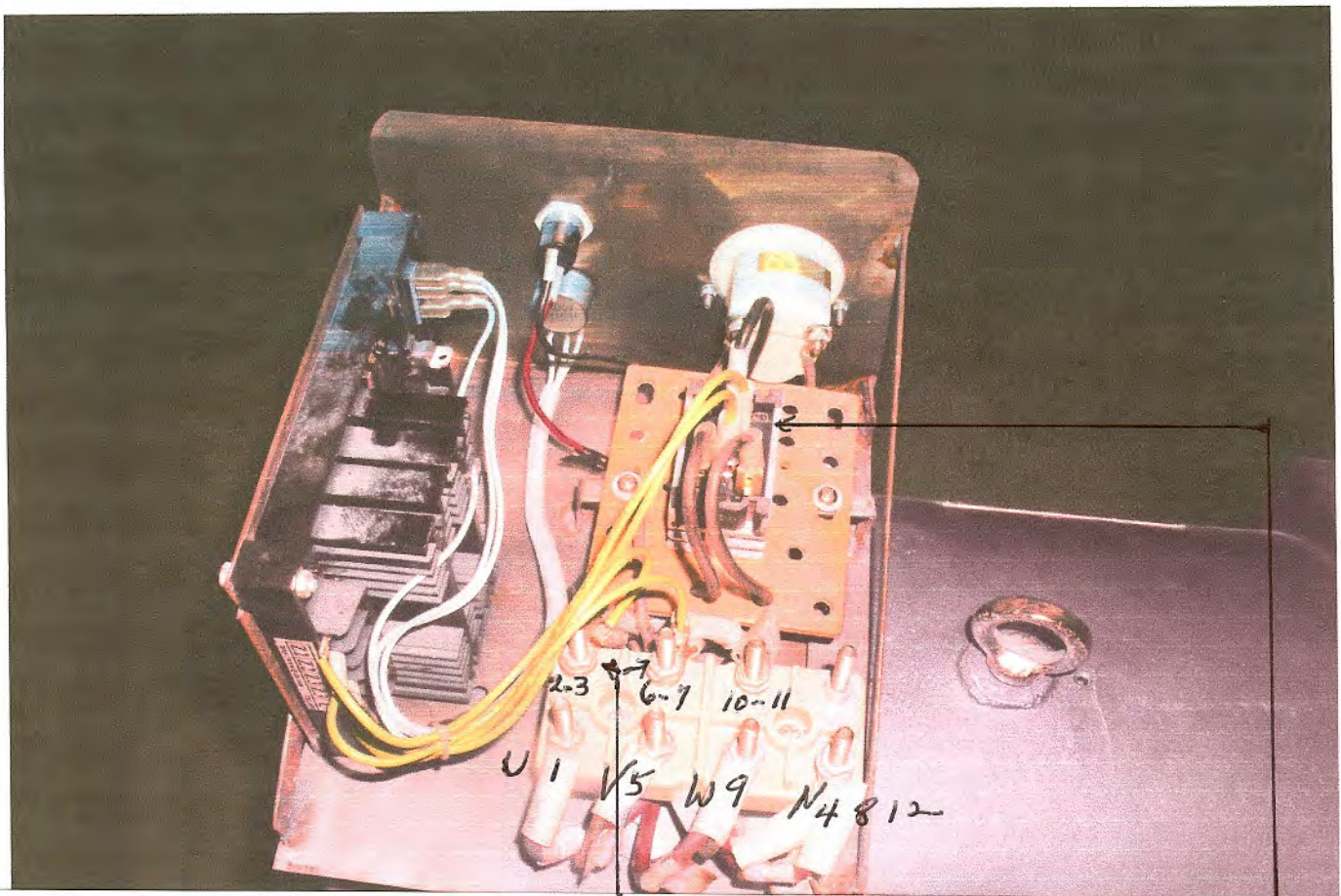


**THREE PHASE 277/460/480 VOLTS  
SERIES STAR**



- |        |        |         |
|--------|--------|---------|
| U1 = 1 | V1 = 5 | W1 = 9  |
| U2 = 2 | V2 = 6 | W2 = 10 |
| U3 = 3 | V3 = 7 | W3 = 11 |
| U4 = 4 | V4 = 8 | W4 = 12 |





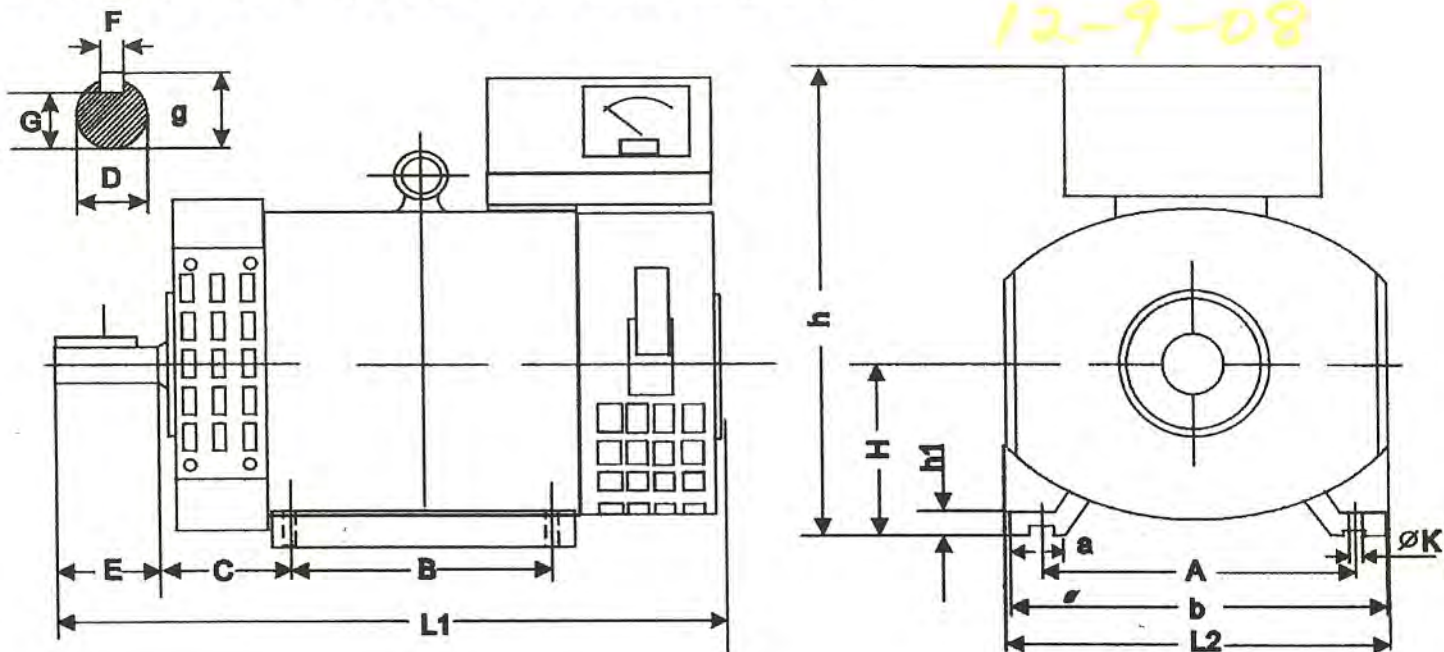
2 YELLOW SENSE WIRES FOR  
240 VOLT AVR TO REGULATE  
FOLLOWING VOLTAGES  
CONNECT SENSE WIRES TO:

2 YELLOW WIRES, REGULATED  
AC EXCITATION VOLTAGE  
TO RECTIFIER

- 1) 2-3    6-7    FOR 277/480 3 PHASE
  - 2) 1-3    5-7    FOR 120/208 3 PHASE
  - 3) 1-3    5-7    FOR 120/240 SINGLE  
          PHASE ZIG ZAG
  - 4) 1-10   4-7    FOR 120/240 SINGLE  
          PHASE DOUBLE DELTA
  - 5) 1-12   4-5    FOR 240 3 PHASE  
          SERIES DELTA (NO NEUTRAL)  
          CENTER TAP
- 6) THE FREQUENCY MUST BE SET TO 62 HZ (NO LOAD) BEFORE  
ADJUSTING FOR PROPER VOLTAGE..
  - 7) DO NOT USE VOLTMETER TO ADJUST FREQUENCY. DO NOT LET  
FREQUENCY DROP BELOW 58 HZ AT FULL LOAD. THIS IS A  
FUNCTION OF THE GOVERNOR
  - 8) GET A KILL A WATT METER TO SET FREQUENCY IF YOU DO NOT  
HAVE ONE. THIS IS LEAST EXPENSIVE METHOD! DO EBAY OR  
GOOGLE SEARCH FOR THE KILL A WATT METER.
  - 9) IMPROPER WIRING WILL CAUSE FAILURE!!! 1 YEAR WARRANTY ON  
PARTS ONLY, NO LABOR WARRANTY. WE WILL HELP ON PHONE TO  
TROUBLE SHOOT AND FURNISH PARTS YOU MAY NEED.

# Dimensions and Mechanical Data

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**Fig.2 Overall and Mounting Dimensions**

Frame No	Output		Installing dimensions									External dimensions						
	KVA	KW	A	B	C	D	E	F	G	H	K	a	b	h <sub>1</sub>	h	L <sub>1</sub>	L <sub>2</sub>	g
STC-5-2	6.3	5	216	178	89	φ 32	80	10	27	132	12	34	250	18	400	480	270	34.8
STC-3	3.8	3	216	173	89	φ 32	80	10	27	132	12	34	250	18	400	480	270	34.8
STC-5	6.3	5	254	254	108	φ 38	80	10	33	160	15	50	310	25	455	580	325	40.8
STC-7.5	9.4	7.5	254	254	108	φ 38	80	10	33	160	15	50	310	25	455	580	325	40.8
STC-10	12.5	10	279	203	121	φ 42	110	12	37	180	15	60	339	25	495	610	365	44.8
STC-12	15	12	279	203	121	φ 42	110	12	37	180	15	60	339	25	495	610	365	44.8
STC-15	18.8	15	318	228	133	φ 48	110	14	42.5	200	19	60	378	30	540	660	400	51.2
STC-20	25	20	318	228	133	φ 48	110	14	42.5	200	19	60	378	30	540	660	400	51.2
STC-30	37.5	30	356	286	149	φ 60	140	18	53	225	19	65	421	32	610	770	452	64
STC-40	50	40	356	286	149	φ 60	140	18	53	225	19	65	421	32	610	770	452	64
STC-50	62.5	50	356	311	140	φ 60	140	18	53	225	19	65	421	32	610	810	452	64