**ELECTRICAL CONNECTION DIAGRAMS KAMAG 22. WITH APR VOLTAGE REGULATORS**

**NOTE 1** CAUTION: UNIT MUST BE GROUNDED IN ACCORDANCE WITH APPLICABLE ELECTRICAL CODES.

**NOTE 2** SEE VOLTAGE RANGE CHART FOR APPLICABLE CONNECTION DIAGRAM. CONDUCTORS SHOWN AS DASHED LINES TO BE INSTALLED BY THE USER OF THE GENERATOR. CHECK ALL CONNECTIONS INCLUDING THOSE MADE TO VOLTAGE REGULATOR BEFORE OPERATING GENERATOR SET.

**NOTE 3** CONNECTION OF OPTIONAL REGULATOR ON-OFF SWITCH IS SHOWN IN FIGURE 1A.

**NOTE 4** CONNECTION OF OPTIONAL FIELD CIRCUIT BREAKER IS SHOWN IN FIGURE 1B.

**NOTE 5** LOCATION OF JUMPER MUST AGREE WITH OPERATING FREQUENCY (50 Hz OR 60 Hz)

**NOTE 6** CONNECTION OF OPTIONAL PARALLELING MODULE IS SHOWN IN FIGURE 1C

**NOTE 7** JUMPER MUST BE IN PLACE IF CURRENT BOOST SYSTEM IS NOT USED

**NOTE 8** CAUTION: EXCITER FIELD CIRCUIT IS NOT ISOLATED. DO NOT ATTEMPT TO MANUALLY FLASH GENERATOR FIELD WHILE GENERATOR IS ROTATING.

**NOTE 9** LEAD MARKINGS SHOWN GIVES A-B-C PHASE ROTATION WHEN THE GENERATOR IS ROTATING CCW, AS VIEWED FROM THE EXCITER END. (CW FACING DRIVE END).

---

**Figure 3**
10 Wire Parallel Wye Three Phase Loads

**Figure 4**
10 Wire Series Wye Three Phase Loads

**Certified For**
DISTRIBUTION / GENERATOR PANELS

**Tested at Factory As Illustrated in Figure**

---

**Diagram Details:**
- Paralleling Module See Note 6
- To Regulator or Auto/Manual Terminal
- To Voltage Adjust
- Opt. Field Circuit Breaker or On/Off Sw. See Notes 364
- Paralleling Voltage Drop Option
- To Exciter Field

---

**Figure 1A**
Regulator or Auto/Manual Terminal

**Figure 1B**
Field Circuit Breaker Option

**Figure 1C**
Parallel Series Connection Connection

---

**Legend:**
- **A**
- **B**
- **C**
- **D**
- **E**
- **F**
- **G**
- **H**
- **I**
- **J**
- **K**
- **L**
- **M**
- **N**
- **O**
- **P**
- **Q**
- **R**
- **S**
- **T**
- **U**
- **V**
- **W**
- **X**
- **Y**
- **Z**