

WIRING DIAGRAM

The diagram illustrates the electrical connections for the STA01 unit. Key components and their wiring are as follows:

- Power Source:** 115 VAC, 60 HZ, 1 Ø. WHT (NEUT), GRN/YEL (EARTH), BLK (LINE). USE COPPER CONDUCTORS ONLY.
- Compressor:** R, OL, S, C. WHT (NEUT) connects to R. BLK (LINE) connects to S. A 3-way End Splice is shown at the BLK connection point.
- Motor:** BR, WHT, RED. WHT (NEUT) connects to WHT. BLK (LINE) connects to RED. A 3-way End Splice is shown at the BLK connection point.
- Reversing Valve:** BLK, WHT. WHT (NEUT) connects to WHT. BLK (LINE) connects to BLK.
- Relay:** K1 RELAY. BLK (LINE) connects to COM. BLK (LINE) connects to NO.
- Sensors:** J4 (OUTDOOR TEMP SENSOR), J5 (FREEZE SENSOR), J2 (TSTAT 12V +, 12V -, COMM). WHT (NEUT) connects to J2. BLK (LINE) connects to J2. BLK (LINE) connects to J4. BLK (LINE) connects to J5.
- Furnace:** Y4, Y3. BLK (LINE) connects to Y4. BLK (LINE) connects to Y3.

Notes: The diagram includes a 'Butt or End Splice' label and a '3-way End Splice' label. Red 'X' marks indicate incorrect wiring connections.

