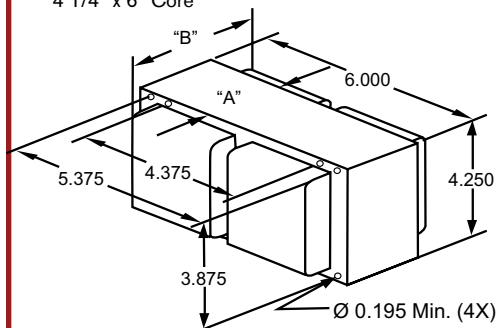
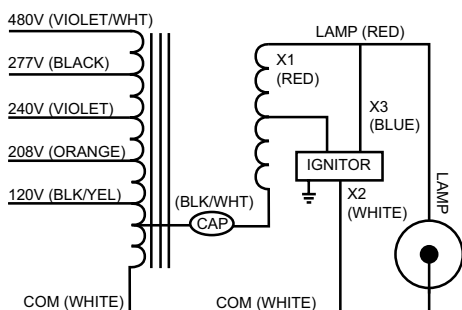


## PHYSICAL DIMENSIONS

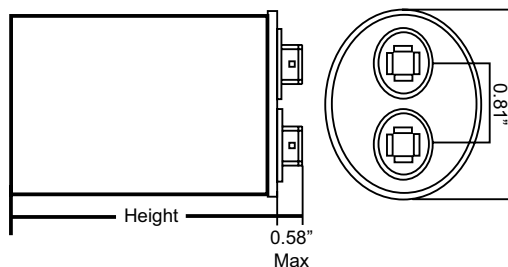
4 1/4" x 6" Core



## WIRING DIAGRAM



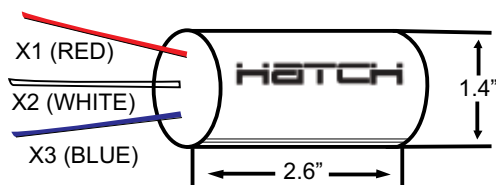
## CAPACITOR



Height: 2.88"

Length: 1.97"  
Width: 3.66"

## IGNITOR



Pulse Height (kV): 3.0 ~ 5.0

Pulse Width ( $\geq$   $\mu$ s): 4.0 @ 2.7kV

**2 YEAR WARRANTY FROM  
DATE OF MANUFACTURE**

## MAGNETIC HID BALLAST

|                     |                      |                     |         |
|---------------------|----------------------|---------------------|---------|
| <b>Ballast Type</b> | High Pressure Sodium | <b>Circuit Type</b> | HPS CWA |
| <b>Lamp</b>         | 1000W S52            | <b>Frequency</b>    | 60Hz    |

## ELECTRICAL SPECIFICATIONS

|                               |                        | Five Tap      |     |     |     |     |
|-------------------------------|------------------------|---------------|-----|-----|-----|-----|
| Input Voltage (V)             |                        | 120           | 208 | 240 | 277 | 480 |
| Line Current (A)              | Operating              | 9.7           | 5.6 | 4.9 | 4.2 | 2.4 |
|                               | Open Circuit           | 7.1           | 4.1 | 3.6 | 3.1 | 1.8 |
|                               | Starting               | 6.3           | 3.4 | 3.1 | 2.7 | 1.5 |
| Recommended Fuse              |                        | 25            | 15  | 12  | 10  | 6   |
| Input Voltage At Lamp Dropout |                        | 70            | 125 | 135 | 150 | 250 |
| UL Class H 180°C Temp. Code   |                        | E             | D   | D   | D   | C   |
| UL Class N 200°C Temp. Code   |                        | A             | A   | A   | A   | A   |
| Nom. Open Circuit Voltage     |                        | 430           |     |     |     |     |
| Input Power (W)               |                        | 1070          |     |     |     |     |
| Power Factor ( $\geq$ %)      |                        | 90            |     |     |     |     |
| Regulation ( $\pm$ %)         | Line Volts             | 10            |     |     |     |     |
|                               | Lamp Watts             | 10            |     |     |     |     |
| Min. Starting Temp            |                        | -40°F / -40°C |     |     |     |     |
| Ballast Dimensions (inches)   | A                      | 4.1           |     |     |     |     |
|                               | B                      | 6.1           |     |     |     |     |
| Ballast Net Weight (lbs)      |                        | 26.0          |     |     |     |     |
| Lead Length (inches)          |                        | 12            |     |     |     |     |
| Capacitor                     | Capacitance ( $\mu$ F) | 26            |     |     |     |     |
|                               | Min VAC Rating (V)     | 525           |     |     |     |     |
| Requires Ignitor Model        |                        | GHPS1K        |     |     |     |     |
| Coil Material (Pri./ Sec.)    |                        | Cu / Al       |     |     |     |     |

## 60 HZ. TEST PROCEDURES

|                           |           |          |      |     |     |     |     |
|---------------------------|-----------|----------|------|-----|-----|-----|-----|
| Short Circuit Current (A) | Secondary | Min      | 4.7  |     |     |     |     |
|                           |           | Max      | 8.0  |     |     |     |     |
|                           | Input     | Min      | 2.7  | 1.6 | 1.4 | 1.2 | 0.7 |
|                           |           | Max      | 8.2  | 4.8 | 4.1 | 3.5 | 2.0 |
| Open Circuit Voltage (V)  |           | Min      | 400  |     |     |     |     |
|                           |           | Max      | 480  |     |     |     |     |
| High Potential Test (V)   |           | 1 Minute | 2000 |     |     |     |     |
|                           |           | 1 Second | 2400 |     |     |     |     |

## REFERENCE LAMP DATA

|                      | Test Range       | ANSI Standard |
|----------------------|------------------|---------------|
| Starting Current (A) |                  | 4.7 ~ 8.0     |
| CCF                  | 1.6              | $\leq$ 1.8    |
| OCV (V)              | 400 ~ 480        |               |
| Lamp Watts           | WITHIN TRAPEZOID |               |
|                      |                  |               |
|                      |                  |               |
|                      |                  |               |

## OPTIONAL FEATURES

(ADD SUFFIX FOR OPTIONS)

|     |                                                                                         |
|-----|-----------------------------------------------------------------------------------------|
| -WB | With welded bracket                                                                     |
| -I  | With ignitor                                                                            |
| -DC | With dry film capacitor                                                                 |
| -OC | With oil filled capacitor                                                               |
| -K  | With distributor replacement kit (includes bracket, capacitor and ignitor as necessary) |