



### APPLICATION and PERFORMANCE SPECIFICATION



**MAGNETIC HID BALLASTS**  
**DESCRIPTION: P320MLTEC4**  
**PS320W M132/ 154**  
**60 Hz CWA**

#### DIMENSIONS AND DATA

|                                                                                                                                                                                                                 |                                         | 120            | 208  | 240  | 277  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|----------------|------|------|------|
| <p><b>4<sup>1</sup>/<sub>4</sub> × 4<sup>3</sup>/<sub>4</sub> CORE-2COIL UNIT</b></p> <p><b>4.75"</b><br/><b>4.33"</b></p> <p><b>4 HOLES CLEARED FOR #6 THRU-BOLTS</b></p> <p><b>3.86"</b><br/><b>4.25"</b></p> | INPUT VOLTS                             |                |      |      |      |
|                                                                                                                                                                                                                 | CIRCUIT TYPE                            | CWA            |      |      |      |
|                                                                                                                                                                                                                 | POWER FACTOR                            | 90%            |      |      |      |
|                                                                                                                                                                                                                 | <b>REGULATION</b>                       |                |      |      |      |
|                                                                                                                                                                                                                 | Line Volts                              | ± 10%          |      |      |      |
|                                                                                                                                                                                                                 | Lamp Watts                              | ± 8%           |      |      |      |
|                                                                                                                                                                                                                 | <b>LINE CURRENT</b>                     | (Amps)         |      |      |      |
|                                                                                                                                                                                                                 | Operating.....                          | 3.20           | 1.80 | 1.60 | 1.40 |
|                                                                                                                                                                                                                 | Open Circuit.....                       | 2.70           | 1.50 | 1.40 | 1.20 |
|                                                                                                                                                                                                                 | <b>UL TEMPERATURE RATINGS</b>           |                |      |      |      |
|                                                                                                                                                                                                                 | Insulating Class                        | N(200°C)       |      |      |      |
|                                                                                                                                                                                                                 | Coil Temperature Code                   | 1029           |      |      |      |
|                                                                                                                                                                                                                 | MIN.AMBIENT STARTING TEMP.              | -20°F or -30°C |      |      |      |
|                                                                                                                                                                                                                 | NOM. OPEN CIRCUIT VOLTAGE               | 270            |      |      |      |
| <p>Capacitor:</p> <p>Capacitance: 22uf/400v<br/> Diameter: 1.77"<br/> Height: 3.64"<br/> Temp Rating: 100°C</p>                                                                                                 | INPUT VOLTAGE AT LAMP DROPOUT.....      | 84             | 146  | 168  | 194  |
|                                                                                                                                                                                                                 | INPUT WATTS                             | 364            |      |      |      |
|                                                                                                                                                                                                                 | RECOMMENDED FUSE(Amps).....             | 6              | 4    | 3    | 3    |
|                                                                                                                                                                                                                 | <b>CORE and COIL</b>                    |                |      |      |      |
|                                                                                                                                                                                                                 | Dimension(A)                            | 1.80           |      |      |      |
|                                                                                                                                                                                                                 | Dimension(B)                            | 3.70           |      |      |      |
|                                                                                                                                                                                                                 | Weight(lbs.)                            | 10.7           |      |      |      |
|                                                                                                                                                                                                                 | Lead Lengths                            | 12"            |      |      |      |
|                                                                                                                                                                                                                 | <b>CAPACITOR REQUIREMENT</b>            |                |      |      |      |
|                                                                                                                                                                                                                 | Microfarads                             | 22             |      |      |      |
|                                                                                                                                                                                                                 | Volts(min.)                             | 370            |      |      |      |
|                                                                                                                                                                                                                 | <b>60Hz TEST PROCEDURES</b>             |                |      |      |      |
|                                                                                                                                                                                                                 | 1minute                                 | 2000           |      |      |      |
|                                                                                                                                                                                                                 | 2seconds                                | 2500           |      |      |      |
|                                                                                                                                                                                                                 | Open Circuit Voltage Test(Volts)        | 254-310        |      |      |      |
| <p>Ignitor: MH400</p> <p>Diameter: 1.41"<br/> Height: 2.62"<br/> Ballast to Lamp Distance (BTL) = 10feet<br/> Temp Rating: 105°C</p>                                                                            | <b>Short-circuit Current Test(Amps)</b> |                |      |      |      |
|                                                                                                                                                                                                                 | Secondary Current                       | 2.63-4.00      |      |      |      |
|                                                                                                                                                                                                                 | <b>Wiring Diagram:</b>                  |                |      |      |      |
|                                                                                                                                                                                                                 | 277V(Black)                             |                |      |      |      |
|                                                                                                                                                                                                                 | 240V(Violet)                            |                |      |      |      |
|                                                                                                                                                                                                                 | 208V(Orange)                            |                |      |      |      |
|                                                                                                                                                                                                                 | 120V(Yellow)                            |                |      |      |      |
|                                                                                                                                                                                                                 | COM(White)                              |                |      |      |      |
|                                                                                                                                                                                                                 | LAMP(Red)                               |                |      |      |      |
|                                                                                                                                                                                                                 | X1(Red)                                 |                |      |      |      |
|                                                                                                                                                                                                                 | X3(Blue)                                |                |      |      |      |
|                                                                                                                                                                                                                 | X2(White)                               |                |      |      |      |
|                                                                                                                                                                                                                 | IGNITOR                                 |                |      |      |      |
|                                                                                                                                                                                                                 | CAP                                     |                |      |      |      |
|                                                                                                                                                                                                                 | COM(White)                              |                |      |      |      |

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