



### APPLICATION and PERFORMANCE SPECIFICATION



**MAGNETIC HID BALLASTS**  
**DESCRIPTION: P750ML5AA5**  
**PS750W M149**  
**60 Hz CWA**

#### DIMENSIONS AND DATA

|                                                                                                                                                                                                                              |                                         | 120            | 208  | 240  | 277  | 480  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|----------------|------|------|------|------|
| <p><b>4<sup>1</sup>/<sub>4</sub>×6 CORE-2COIL UNIT</b></p> <p>6.00"</p> <p>5.35"</p> <p>4 HOLES CLEARED FOR #6 THRU-BOLTS</p> <p>3.86" 4.25"</p>                                                                             | INPUT VOLTS                             |                |      |      |      |      |
|                                                                                                                                                                                                                              | CIRCUIT TYPE                            | CWA            |      |      |      |      |
|                                                                                                                                                                                                                              | POWER FACTOR                            | 90%            |      |      |      |      |
|                                                                                                                                                                                                                              | <b>REGULATION</b>                       |                |      |      |      |      |
|                                                                                                                                                                                                                              | Line Volts                              | ±10%           |      |      |      |      |
|                                                                                                                                                                                                                              | Lamp Watts                              | ±10%           |      |      |      |      |
|                                                                                                                                                                                                                              | <b>LINE CURRENT</b>                     | (Amps)         |      |      |      |      |
|                                                                                                                                                                                                                              | Operating.....                          | 7.30           | 4.30 | 3.70 | 3.20 | 1.80 |
|                                                                                                                                                                                                                              | Open Circuit.....                       | 5.11           | 3.01 | 2.59 | 2.24 | 1.26 |
|                                                                                                                                                                                                                              | <b>UL TEMPERATURE RATINGS</b>           |                |      |      |      |      |
| <p>Capacitor:</p> <p>Capacitance: 26uf/540v</p> <p>Diameter: 2.16"</p> <p>Height: 3.94"</p> <p>Temp Rating: 105°C</p>                                                                                                        | Insulating Class                        | N(200°C)       |      |      |      |      |
|                                                                                                                                                                                                                              | Coil Temperature Code                   | 1029           | A    | A    | A    | A    |
|                                                                                                                                                                                                                              | MIN.AMBIENT STARTING TEMP.              | -20°F or -30°C |      |      |      |      |
|                                                                                                                                                                                                                              | NOM. OPEN CIRCUIT VOLTAGE               | 350            |      |      |      |      |
|                                                                                                                                                                                                                              | INPUT VOLTAGE AT LAMP DROPOUT.....      | 90             | 156  | 180  | 208  | 360  |
|                                                                                                                                                                                                                              | INPUT WATTS                             | 840            |      |      |      |      |
|                                                                                                                                                                                                                              | RECOMMENDED FUSE(Amps).....             | 15             | 9    | 7    | 6    | 4    |
|                                                                                                                                                                                                                              | <b>CORE and COIL</b>                    |                |      |      |      |      |
|                                                                                                                                                                                                                              | Dimension(A)                            | 3.15           |      |      |      |      |
|                                                                                                                                                                                                                              | Dimension(B)                            | 5.30           |      |      |      |      |
| <p>Ignitor: MH750</p> <p>Length: 2.05"</p> <p>Width: 1.26"</p> <p>Height: 3.0"</p> <p>Ballast to Lamp Distance (BTL) = 10feet</p> <p>Temp Rating: 105°C</p>                                                                  | Weight(lbs.)                            | 19.2           |      |      |      |      |
|                                                                                                                                                                                                                              | Lead Lengths                            | 12"            |      |      |      |      |
|                                                                                                                                                                                                                              | <b>CAPACITOR REQUIREMENT</b>            |                |      |      |      |      |
|                                                                                                                                                                                                                              | Microfarads                             | 26             |      |      |      |      |
|                                                                                                                                                                                                                              | Volts(min.)                             | 540            |      |      |      |      |
|                                                                                                                                                                                                                              | <b>60Hz TEST PROCEDURES</b>             |                |      |      |      |      |
|                                                                                                                                                                                                                              | 1minute                                 | 2000           |      |      |      |      |
|                                                                                                                                                                                                                              | 2seconds                                | 2500           |      |      |      |      |
|                                                                                                                                                                                                                              | Open Circuit Voltage Test(Volts)        | 320-390        |      |      |      |      |
|                                                                                                                                                                                                                              | <b>Short-circuit Current Test(Amps)</b> |                |      |      |      |      |
| <p><b>Wiring Diagram:</b></p>                                                                                                                                                                                                | Secondary Current                       | 4.10-6.10      |      |      |      |      |
|                                                                                                                                                                                                                              |                                         |                |      |      |      |      |
|                                                                                                                                                                                                                              |                                         |                |      |      |      |      |
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