



# Core & Coil (71A) MH ~GT~ 450W

## CORE & COIL HID MH BAL 1000W M47 480V/120T C&C

The basic ballast is the open core and coil which is most often used as a component within a lighting luminaire. The core and coil also forms the nucleus of Philips Advance's five other ballast configurations.

### Product data

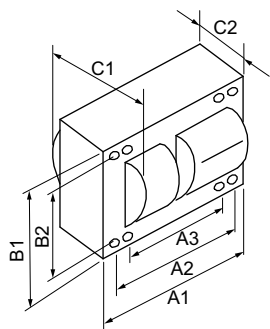
| General Information                |                    | Operating and Electrical            |            |
|------------------------------------|--------------------|-------------------------------------|------------|
| ANSI Code                          | M47                | Input Voltage                       | 480/120T V |
| Lamp Type                          | 1000W MH           | Input Frequency                     | 60 Hz      |
| Number of Lamps                    | 1 piece/unit       | Input Current (Open Circuit)        | 1.2 A      |
| Circuit Type                       | CWA                | Input Current (Starting)            | 1.9 A      |
| Ballast Type                       | Magnetic HID       | Input Current (Short Circuit)       | 1.4-2.15 V |
| Base Model                         | 71A6542TA          | Secondary Short Circuit Current     | 5.2-6.4 A  |
| Core Size                          | 4 1/4 x 6 (2 Coil) | Constant Wattage Deviation          | 10%        |
| Suitable For Outdoor Use           | Yes                | Ballast Factor (Nom)                | 1          |
| Ignitor Catalog Number             | NA                 | Power Factor (Nom)                  | 0.90       |
| Ignitor Temperature Rating         | NA                 | Open Circuit Voltage                | 430 V      |
| Capacitor Value                    | 24 MFD             | Input Current (Nom)                 | 2.25 A A   |
| Capacitor Catalog Number           | MD2409000          | Input Power (Nom)                   | 1080 W     |
| Capacitor Requirements             | 480V               | Rated Lamp Power                    | 1000 W     |
| Capacitor Temperature Rating       | 90°C               |                                     |            |
| Capacitor Diameter/Oval Dimensions | 1.75 in            | Wiring                              |            |
| Capacitor Height                   | 3.9 in             | Wire Striplength                    | 0.5 mm     |
| Automatic Restart                  | No                 | Wire Length by Color                | 12"        |
|                                    |                    | Wire Type                           | Stranded   |
|                                    |                    | Remote Wiring Configuration Allowed | Yes        |

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|  |                                    |
|--|------------------------------------|
| Max Ballast-Lamp Distance Remote Wiring Determined by AWG used |                                    |
| Recommended Fuse Value   | 6 A                                |
| <b>Approval and Application</b>                                |                                    |
| Open Circuit Voltage Test (Volts)                              | 385-475 V                          |
| Approval Marks   | ULR CSA certificate RoHS Compliant |
| Temperature Marking  | D                                  |
| UL Recognized  | Yes                                |
| Hipot Test (1 Minute)  | 2000 V                             |
| Hipot Test (2 Seconds)   | 2500 V                             |
| UL Insulation Class  | H(180°C)                           |
| UL Temperature Code  | 1029D                              |

|                                 |  |
|---------------------------------|--|
| <b>Product Data</b>             |  |
| Order product name              | CORE & COIL HID MH BAL 1000W M47 480V/120T C&C |
| EAN/UPC - Product               | 781087073674                                   |
| Order code                      | 913710669402                                   |
| Numerator - Quantity Per Pack   | 1  |
| Numerator - Packs per outer box | 2  |
| Material Nr. (12NC)             | 913710669402                                   |
| Net Weight (Piece)              | 10.193 kg                                      |

### Dimensional drawing



| Product                      | C1   | C2      | A1   | A2     | A3     | B1     | B2     |
|------------------------------|------|---------|------|--------|--------|--------|--------|
| CORE & COIL HID 71A6542600TA | 5 in | 3.05 in | 6 in | 5.4 in | 4.4 in | 4.3 in | 3.9 in |

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