

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

## CORE & COIL HID MH BAL 1000W M141 5-TAP 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          |                    |
|------------------------------|--------------------|
| ANSI Code                    | M141               |
| Lamp Type                    | 1000W MH           |
| Number of Lamps              | 1 piece/unit       |
| Circuit Type                 | SUPER-CWA          |
| Ballast Type                 | Magnetic HID       |
| Base Model                   | 71A6553            |
| Core Size                    | 4 1/4 x 6 (2 Coil) |
| Suitable For Outdoor Use     | Yes                |
| Ignitor Catalog Number       | LI572-H5           |
| Ignitor Temperature Rating   | 105°C              |
| Capacitor Value              | 24 MFD             |
| Capacitor Catalog Number     | MD2409000          |
| Capacitor Requirements       | 480V               |
| Capacitor Temperature Rating | 90°C               |
| Capacitor Diameter/Oval      | 1.75 in            |
| Dimensions                   |                    |
| Capacitor Height             | 3.9 in             |
| Automatic Restart            | No                 |

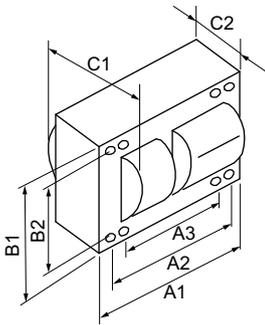
| Operating and Electrical        |   |
|---------------------------------|---|
| Input Voltage                   | 120/208/240/277/480 V                           |
| Input Frequency                 | 60 Hz   |
| Input Current (Open Circuit)    | 5.16/4.3/3.09/2.61/1.6 A                        |
| Input Current (Starting)        | 6/2.82/3/2.3/1.53 A                             |
| Input Current (Short Circuit)   | 4.35-6.52/2.16-3.24/2.04-3.06/1.8-2.71/1-1.51 V |
| Secondary Short Circuit Current | 4.97-6.08 A                                     |
| Constant Wattage Deviation      | 10%   |
| Ballast Factor (Nom)            | 1   |
| Power Factor (Nom)              | 0.96  |
| Open Circuit Voltage            | 426 V   |
| Input Current (Nom)             | 9.05/5.6/4.7/4.07/2.36 A A                      |
| Input Power (Nom)               | 1080 W  |
| Rated Lamp Power                | 1000 W  |
| Wiring                          |   |
| Wire Striplength                | 0.5 mm  |
| Wire Length by Color            | 12"   |
| Wire Type                       | Stranded  |

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

|   |                                    |
|---|------------------------------------|
| Remote Wiring Configuration Allowed     | Yes                                |
| Max Ballast-Lamp Distance Remote Wiring | 5'                                 |
| Recommended Fuse Value                  | 22/15/12/10/6 A                    |
| <b>Approval and Application</b>         |                                    |
| Open Circuit Voltage Test (Volts)       | 383-468 V                          |
| Approval Marks                          | ULR CSA certificate RoHS Compliant |
| Temperature Marking                     | D/D/B/B/B                          |
| 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 M141 5-TAP C&C |
| EAN/UPC - Product               | 781087073346                                |
| Order code                      | 913710668402                                |
| Numerator - Quantity Per Pack   | 1   |
| Numerator - Packs per outer box | 2   |
| Material Nr. (12NC)             | 913710668402                                |
| Net Weight (Piece)              | 10.719 kg                                   |

### Dimensional drawing



MH BAL 1000W M141 5-TAP C&C

| Product                    | C1     | C2   | A1   | A2     | A3     | B1     | B2     |
|----------------------------|--------|------|------|--------|--------|--------|--------|
| CORE & COIL HID 71A6553500 | 4.7 in | 3 in | 6 in | 5.4 in | 4.4 in | 4.3 in | 3.9 in |

