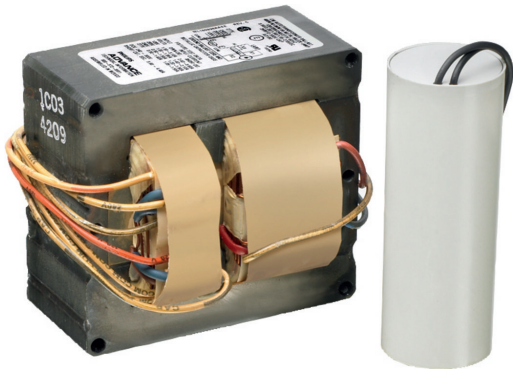




# Core & Coil (71A) MH

## ~LT~ 175W

**CORE & COIL HID MH BAL 150W M102/142  
120/277/347V 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                          | M102-M142      |
| Lamp Type                          | 150 MH         |
| Number of Lamps                    | 1 piece/unit   |
| Circuit Type                       | SUPER-CWA      |
| Ballast Type                       | Magnetic HID   |
| Base Model                         | 71A54A3        |
| Core Size                          | 3 X 4 (2 coil) |
| Suitable For Outdoor Use           | Yes            |
| Ignitor Catalog Number             | LI501-J4       |
| Ignitor Temperature Rating         | 105°C          |
| Capacitor Value                    | 22 MFD         |
| Capacitor Catalog Number           | 7C220M24RA     |
| Capacitor Requirements             | 240V           |
| Capacitor Temperature Rating       | 105°C          |
| Capacitor Diameter/Oval Dimensions | 1.65 in        |
| Capacitor Height                   | 2.75 in        |
| Automatic Restart                  | No             |

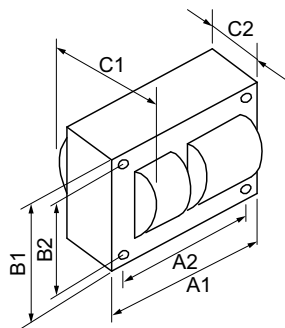
| Operating and Electrical            |                               |
|-------------------------------------|-------------------------------|
| Input Voltage                       | 120/277/347 V                 |
| Input Frequency                     | 60 Hz                         |
| Input Current (Open Circuit)        | 1.4/0.6/0.48 A                |
| Input Current (Starting)            | 0.95/0.4/0.3 A                |
| Input Current (Short Circuit)       | 0.45-0.75/0.2-0.4/0.15-0.35 A |
| Secondary Short Circuit Current     | 2.4-2.9 A                     |
| Constant Wattage Deviation          | 10%                           |
| Ballast Factor (Nom)                | 1                             |
| Power Factor (Nom)                  | 0.85                          |
| Open Circuit Voltage                | 187 V                         |
| Input Current (Nom)                 | 1.75/0.76/0.62 A A            |
| Input Power (Nom)                   | 189 W                         |
| Rated Lamp Power                    | 150 W                         |
|                                     |                               |
| Wiring                              |                               |
| Wire Striplength                    | 0.5 mm                        |
| Wire Length by Color                | 12"                           |
| Wire Type                           | Stranded                      |
| Remote Wiring Configuration Allowed | Yes                           |

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|                                   |                                    |
|-----------------------------------|------------------------------------|
| Max Ballast-Lamp Distance Remote  | 15'                                |
| Wiring                            |                                    |
| Recommended Fuse Value            | 5/2/2 A                            |
| <b>Approval and Application</b>   |                                    |
| Open Circuit Voltage Test (Volts) | 175-205 V                          |
| Approval Marks                    | ULR CSA certificate RoHS Compliant |
| Temperature Marking               | C/B/A                              |
| UL Recognized                     | Yes                                |
| Hipot Test (1 Minute)             | 2000 V                             |
| Hipot Test (2 Seconds)            | 2500 V                             |
| UL Insulation Class               | H(180°C)                           |
| UL Temperature Code               | 1029C                              |

|                                 |                                                          |
|---------------------------------|----------------------------------------------------------|
| <b>Product Data</b>             |                                                          |
| Order product name              | CORE & COIL HID MH BAL 150W M102/142<br>120/277/347V C&C |
| EAN/UPC - Product               | 781087093658                                             |
| Order code                      | 913700533709                                             |
| Numerator - Quantity Per Pack   | 1                                                        |
| Numerator - Packs per outer box | 4                                                        |
| Material Nr. (12NC)             | 913700533709                                             |
| Net Weight (Piece)              | 3.824 kg                                                 |

### Dimensional drawing



MH BAL 150W M102/142 120/277/347V C&C

| Product                     | C1      | C2      | A1     | A2     | B1     | B2     |
|-----------------------------|---------|---------|--------|--------|--------|--------|
| CORE & COIL HID 71A54A3500D | 3.95 in | 2.65 in | 3.9 in | 3.5 in | 2.8 in | 2.4 in |

