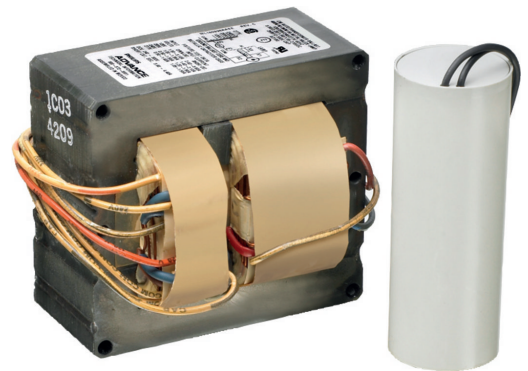




# Core & Coil (71A) MH 175W – 450W

## CORE & COIL HID MH BAL 250W M138/M153 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                |                        |
|------------------------------------|------------------------|
| ANSI Code                          | M138-M153              |
| Lamp Type                          | 250W MH                |
| Number of Lamps                    | 1 piece/unit           |
| Circuit Type                       | SUPER-CWA              |
| Ballast Type                       | Magnetic HID           |
| Base Model                         | 71A5742TEE             |
| Core Size                          | 4 1/4 x 4 3/4 (2 coil) |
| Suitable For Outdoor Use           | Yes                    |
| Ignitor Catalog Number             | LI533-H4               |
| Ignitor Temperature Rating         | 105°C                  |
| Capacitor Value                    | 17 MFD                 |
| Capacitor Catalog Number           | 7C170P40               |
| Capacitor Requirements             | 340V                   |
| Capacitor Temperature Rating       | 105°C                  |
| Capacitor Diameter/Oval Dimensions | 1.75 in                |
| Capacitor Height                   | 3.75 in                |
| Automatic Restart                  | No                     |

| Operating and Electrical        |             |
|---------------------------------|-------------|
| Input Voltage                   | 480/120T V  |
| Input Frequency                 | 60 Hz       |
| Inp. Current (Open Circuit)     | 0.47 A      |
| Input Current (Starting)        | 0.41 A      |
| Input Current (Short Circuit)   | 0.33-0.50 A |
| Secondary Short Circuit Current | 2.44-2.99 A |
| Constant Wattage Deviation      | 10%         |
| Ballast Factor (Nom)            | 1           |
| Power Factor (Nom)              | 0.90        |
| Nominal Open Circuit Voltage    | 290 V       |
| Input Current (Operating) (Nom) | 0.64 A A    |
| Input Power (Nom)               | 283 W       |
| Rated Lamp Watts                | 250 W       |

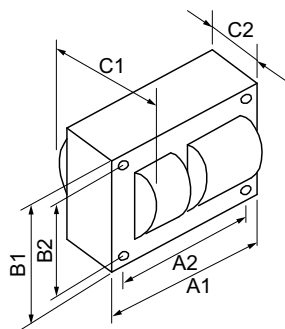
| Wiring                              |          |
|-------------------------------------|----------|
| Wire Striplength                    | 0.5 mm   |
| Wire Length by Color                | 12"      |
| Wire Type                           | Stranded |
| Remote Wiring Configuration Allowed | Yes      |

## Core & Coil (71A) MH 175W - 450W

|                                            |                                         |
|--------------------------------------------|-----------------------------------------|
| Max Ballast-Lamp Distance Remote Wiring 2' |                                         |
| Recommended Fuse Value                     | 2 A                                     |
| <b>Approval and Application</b>            |                                         |
| Open Circuit Voltage Test (Volts)          | 261-319 V                               |
| Approbation Marks                          | ULR CSA certificate EISA RoHS Compliant |
| Temperature Marking                        | 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                        | 1029A                                   |

|                                 |                                                         |
|---------------------------------|---------------------------------------------------------|
| <b>Product Data</b>             |                                                         |
| Order product name              | CORE & COIL HID MH BAL 250W M138/<br>M153 480V/120T C&C |
| EAN/UPC - Product               | 781087077467                                            |
| Order code                      | 71A5742600TEE                                           |
| Numerator - Quantity Per Pack   | 1                                                       |
| Numerator - Packs per outer box | 4                                                       |
| Material Nr. (12NC)             | 913710694902                                            |
| Net Weight (Piece)              | 5.920 kg                                                |

### Dimensional drawing



MH BAL 250W M138/M153 480V/120T C&C

| Product                       | C1      | C2      | A1     | A2     | B1     | B2     |
|-------------------------------|---------|---------|--------|--------|--------|--------|
| CORE & COIL HID 71A5742600TEE | 4.05 in | 2.15 in | 4.8 in | 4.4 in | 4.3 in | 3.9 in |

