



# Encapsulated Core & Coil (73B)

ENCAPSULATED CORE & COIL HID MH BAL 175W  
M137/M152 QUAD ENCAP

Where quiet performance is required, the standard open core and coil ballast is encapsulated (potted) in a cube-shaped steel can utilizing Class H (180°C) polyester compound.

## Product data

### • General Characteristics

|                           |                          |
|---------------------------|--------------------------|
| Lamp Type                 | 175W MH                  |
| Number of Lamps           | 1 piece                  |
| Line Voltage              | 120/208/240/277 V        |
| Input Current (Operating) | 1.66/0.95/0.83/0.71 A    |
| Line Frequency            | 60 Hz                    |
| Circuit Type              | SUPER-CWA                |
| Ballast Type              | Magnetic HID             |
| Base Model                | 73B5591EE                |
| Housing                   | Encap                    |
| Housing Dimensions        | 5.4" x 5.0" x 3.8"       |
| Housing Material          | Metal                    |
| Suitable for Outdoor use? | Yes                      |
| Ignitor Catalog Number    | LI533-H4                 |
| Ignitor Temp Rating       | 105°C                    |
| Capacitor value [μF]      | 11 MFD                   |
| Capacitor Catalog Number  | 7C110M40                 |
| Capacitor Requirements    | 370V                     |
| Capacitor Temp Rating     | 105°C                    |
| Capacitor Dia/Oval Dim    | 1.65000000 in            |
| Capacitor Height          | 3.75 in                  |
| Family Name               | Encapsulated Core & Coil |

### • Operating Characteristics

|                               |                  |
|-------------------------------|------------------|
| Automatic restart             | No               |
| Input Voltage at Lamp Dropout | 60/104/120/138 V |
| Nominal Open Circuit Voltage  | 280 V            |

|                                |                                         |
|--------------------------------|-----------------------------------------|
| Inp. Current (Open Circuit)    | 1.5/0.83/0.75/0.63 A                    |
| Input Current (Starting)       | 0.67/0.39/0.33/0.28 A                   |
| Input Current Short Circuit    | 0.54-0.8/0.31-0.47/0.26-0.4/0.23-0.34 A |
| Secondary ShortCircuit Current | 1.56-1.91 A                             |
| Input Power Gear               | 198 W                                   |
| Constant wattage deviation     | 10%                                     |
| Ballast factor                 | 1 -                                     |
| Power Factor                   | 0.90                                    |
| Sound Rating                   | A                                       |

### • Wiring Characteristics

|                                |           |
|--------------------------------|-----------|
| Wire Striplength               | 0.5 mm    |
| Wire Length by Color           | 12"       |
| Wire Type                      | Stranded  |
| Allowed Wiring Config(Remote)  | Yes       |
| Max Dist. Ball to Lamp(Remote) | 2'        |
| Recommended Fuse               | 5/3/3/2 A |

### • System Chars on driver level

|                  |      |
|------------------|------|
| Rated Lamp Watts | 175W |
|------------------|------|

### • Product Dimensions

|           |         |
|-----------|---------|
| Length A1 | 6.75 in |
| Length A2 | 6 in    |
| Length A3 | 5.4 in  |
| Width B1  | 3.8 in  |

**PHILIPS**

## Encapsulated Core & Coil (73B)

|                         |         |
|-------------------------|---------|
| Height C1               | 5 in    |
| Fixing Hole Diameter D1 | 0.25 in |
| Width B2                | 2 in    |

### • Approval & Application Chars

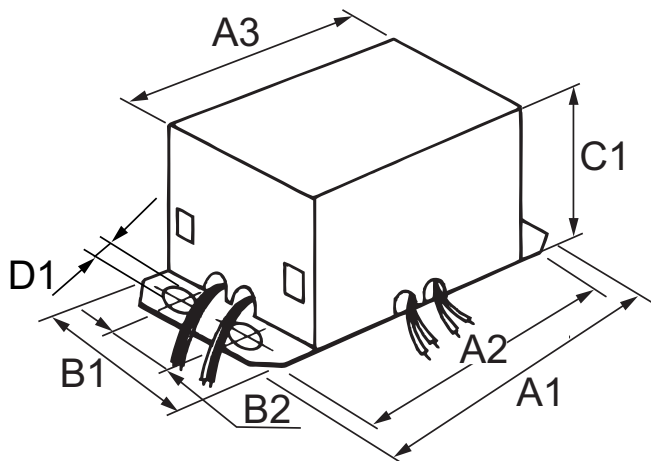
|                           |                      |
|---------------------------|----------------------|
| Approbation Marks         | ULR, CSA, EISA, RoHS |
| CE marking                | No                   |
| VDE certificate           | No                   |
| UL Listed                 | No                   |
| CSA certificate           | Yes                  |
| CCC certificate           | No                   |
| China Quality Certificate | No                   |
| Temperature marking       | A/A/A/A              |
| CEC Listing               | No                   |
| cUL certificate           | No                   |
| EISA                      | Yes                  |
| ETL Certificate           | No                   |
| FIDE Certificate          | No                   |
| NOM certificate           | No                   |
| RoHS Compliant            | Yes                  |
| SASO Certificate          | No                   |

|                                |           |
|--------------------------------|-----------|
| UL Recognized                  | Yes       |
| ANSI Code                      | M137/M152 |
| HiPot Test (1 minute)          | 2000 V    |
| HiPot Test (2 seconds)         | 25000 V   |
| Open Circ Voltage Test (Volts) | 250-300 V |
| UL Insulation Class            | H(180°C)  |
| UL Temperature Code            | 1029A     |

### • Product Data

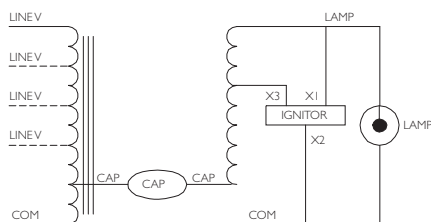
|                    |                                  |
|--------------------|----------------------------------|
| Product number     | 73B5591500DEE                    |
| Full product name  | MH BAL 175W M137/M152 QUAD ENCAP |
| Short product name | MH BAL 175W M137/M152 QUAD ENCAP |
| Pieces per Sku     | 1                                |
| Skus/Case          | 2                                |
| Bar code on pack   | 781087081013                     |
| Bar code on case   | 50781087081018                   |
| Logistics code(s)  | 913701102502                     |
| eop_net_weight_pp  | 6.909 kg                         |

### Dimensional drawing



### ENCAPSULATED CORE & COIL HID MH BAL 175W M137/M152 QUAD ENCAP

| Product                          | A1 (Norm) | A2 (Norm) | A3 (Norm) | B1 (Norm) | B2 (Norm) | C1 (Norm) | D1 (Norm) |
|----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| MH BAL 175W M137/M152 QUAD ENCAP | 6.75      | 6         | 5.4       | 3.8       | 2         | 5         | 0.25      |





© 2014 Koninklijke Philips N.V. (Royal Philips)  
All rights reserved.

Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips N.V. (Royal Philips) or their respective owners.

[www.philips.com/lighting](http://www.philips.com/lighting)

2014, August 30  
data subject to change