



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

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 | M47 |
| Lamp type | 1000W MH |
| Number of lamps | 1 piece/unit |
| Circuit type | CWA |
| Ballast type | Magnetic HID |
| Base model | 71A6592 |
| Core size | 4 1/4 x 6 (2 Coil) |
| Suitable for outdoor use | Yes |
| Ignitor catalogue number | NA |
| Ignitor temperature rating | NA |
| Capacitor value | 24 MFD |
| Capacitor catalogue number | MD2409000 |
| Capacitor requirements | 480V |
| Capacitor temperature rating | 90°C |
| Capacitor diameter/oval dimensions | 1.75 in |
| Capacitor height | 3.9 in |
| Automatic restart | No |

| Operating and Electrical | |
|------------------------------|-------------------|
| Input voltage | 120/208/240/277 V |
| Input frequency | 60 Hz |
| Input current (open circuit) | 4.5/2.7/2.3/2.2 A |
| Input current (starting) | 7.8/4/3.7/3.2 A |

| | |
|---------------------------------|-----------------------------------|
| Input current (short circuit) | 5.6-8.6/3.2-4.8/2.8-4.3/2.4-3.6 V |
| Secondary short-circuit current | 5.2-6.4 A |
| Constant wattage deviation | 10% |
| Ballast factor (nom.) | 1 |
| Power factor (nom.) | 0.90 |
| Open circuit voltage | 430 V |
| Input current (nom.) | 9/5.2/4.5/3.9 A A |
| Input power (nom.) | 1080 W |
| Rated lamp power | 1000 W |

| Wiring | |
|--|------------------------|
| Wire strip length | 0.5 mm |
| Wire length by colour | 12" |
| Wire type | Stranded |
| Remote wiring configuration allowed | Yes |
| Max. ballast-lamp distance remote wiring | Determined by AWG used |
| Recommended fuse value | 20/15/10/10 A |

| Approval and Application | |
|-----------------------------------|------------------------------------|
| Open circuit voltage test (volts) | 385-475 V |
| Approval marks | ULR CSA certificate RoHS Compliant |
| Temperature marking | A/A/A/A |
| UL recognised | Yes |

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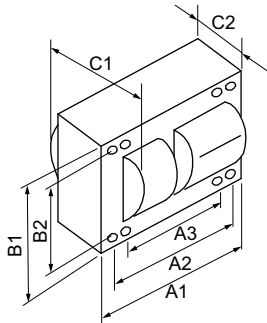
| | |
|------------------------|------------|
| Hipot test (1 minute) | 2000 V |
| Hipot test (2 seconds) | 2500 V |
| UL insulation class | N(AC200°C) |
| UL temperature code | 1029A |

Product Data

| | |
|--------------------|---|
| Order product name | CORE & COIL HID MH BAL 1000W M47 QUAD C&C |
|--------------------|---|

| | |
|---------------------------------|--------------|
| EAN/UPC – product | 781087659250 |
| Numerator – quantity per pack | 1 |
| Numerator – packs per outer box | 2 |
| Material no. (12NC) | 913700500651 |
| Net weight (piece) | 9.041 kg |

Dimensional drawing



MH BAL 1000W M47 QUAD C&C

| Product | C1 | C2 | A1 | A2 | A3 | B1 | B2 |
|---|--------|---------|------|--------|--------|--------|--------|
| CORE & COIL HID MH BAL 1000W M47 QUAD C&C | 4.5 in | 2.57 in | 6 in | 5.4 in | 4.4 in | 4.3 in | 3.9 in |

