



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

CORE & COIL HID MH BAL 1000W M47 480V/120T KIT

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 | 71A6542T | | | | | |
| Core Size | 4 1/4 x 6 (2 Coil) | | | | | |
| Suitable For Outdoor Use | Yes | | | | | |
| Ignitor Catalog Number | NA | | | | | |
| Ignitor Temperature Rating | NA | | | | | |
| Capacitor Value | 24 MFD | | | | | |
| Capacitor Catalog 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 | | | | | |

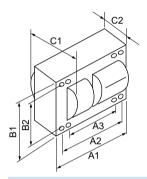
| Operating and Electrical | |
|-------------------------------------|------------|
| Input Voltage | 480/120T V |
| Input Frequency | 60 Hz |
| Input Current (Open Circuit) | 1.2 A |
| Input Current (Starting) | 1.9 A |
| Input Current (Short Circuit) | 1.4-2.15 V |
| Secondary Short Circuit Current | 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) | 2.25 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 |
| Remote Wiring Configuration Allowed | Yes |
| | |

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| Max Ballast-Lamp Distance Remote W | /iring Determined by AWG used |
|------------------------------------|--------------------------------------|
| Recommended Fuse Value | 6 A |
| | |
| Approval and Application | |
| Open Circuit Voltage Test (Volts) | 385-475 V |
| Approval Marks | ULR CSA certificate RoHS Compliant |
| Temperature Marking | D |
| 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 |

| Product Data | |
|---------------------------------|----------------------------------|
| Order product name | CORE & COIL HID MH BAL 1000W M47 |
| | 480V/120T KIT |
| EAN/UPC - Product | 781087022399 |
| Order code | 913700536709 |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 1 |
| Material Nr. (12NC) | 913700536709 |
| Net Weight (Piece) | 9.658 kg |
| | |

Dimensional drawing



MH BAL 1000W M47 480V/120T KIT

| Product | C1 | C2 | A1 | A2 | A3 | B1 | B2 |
|------------------------------|--------|--------|------|--------|--------|--------|--------|
| CORE & COIL HID MH BAL 1000W | 4.5 in | 2.6 in | 6 in | 5.4 in | 4.4 in | 4.3 in | 3.9 in |
| M47 480V/120T KIT | | | | | | | |



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www.lighting.philips.com 2019, March 22 - data subject to change