



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

CORE & COIL HID 71A6071001D

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 | M59 |
| Lamp Type | 400W MH |
| Number of Lamps | 1 piece/unit |
| Circuit Type | CWA |
| Ballast Type | Magnetic HID |
| Base Model | 71A6071 |
| Core Size | 4 1/4 x 4 3/4 (2 coil) |
| Suitable For Outdoor Use | Yes |
| Ignitor Catalog Number | NA |
| Ignitor Temperature Rating | NA |
| Capacitor Value | 24 MFD |
| Capacitor Catalog Number | 7C240P40R |
| Capacitor Requirements | 400V |
| Capacitor Temperature Rating | 105°C |
| Capacitor Diameter/Oval Dimensions | 1.75 in |
| Capacitor Height | 4.8 in |
| Automatic Restart | No |
| Operating and Electrical | |
| Input Voltage | 120/208/240/277 V |

| Input Frequency | 60 Hz |
|---|---|
| Input Current (Open Circuit) | 3/1.8/1.5/1.35 A |
| Input Current (Starting) | 3.25/1.9/1.65/1.45 A |
| Input Current (Short Circuit) | 2.54-3.81/1.46-2.19/1.27-1.9/1.1-1.66 A |
| Secondary Short Circuit Current | 3.43-4.19 A |
| Constant Wattage Deviation | 10% |
| Ballast Factor (Nom) | 1 |
| Power Factor (Nom) | 0.90 |
| Open Circuit Voltage | 305 V |
| Input Current (Nom) | 4/2.3/2/1.72 A A |
| Input Power (Nom) | 455 W |
| Rated Lamp Power | 400 W |
| Wiring | |
| Wire Striplength | 0.5 mm |
| Wire Length by Color | 12" |
| Wire Type | Stranded |
| Remote Wiring Configuration Allowed | Yes |
| Max Ballast-Lamp Distance Remote Wiring | Determined by AWG used |
| Recommended Fuse Value | 10/7/5/5 A |

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Approval and Application

| | |
|-----------------------------------|------------------------------------|
| Open Circuit Voltage Test (Volts) | 275-335 V |
| Approval Marks | ULR CSA certificate RoHS Compliant |
| Temperature Marking | D/E/D/E |
| UL Recognized | Yes |
| Hipot Test (1 Minute) | 2000 V |
| Hipot Test (2 Seconds) | 2500 V |
| UL Insulation Class | H(180°C) |
| UL Temperature Code | 1029E |

Product Data

| | |
|---------------------------------|-----------------------------|
| Order product name | CORE & COIL HID 71A6071001D |
| EAN/UPC - Product | 781087096499 |
| Order code | 913700525409 |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 1 |
| Material Nr. (12NC) | 913700525409 |
| Net Weight (Piece) | 5.421 kg |

Dimensional drawing



MH BAL 400W M59 QUAD KIT

| Product | C1 | C2 | A1 | A2 | B1 | B2 |
|-----------------------------|------|---------|--------|--------|--------|--------|
| CORE & COIL HID 71A6071001D | 4 in | 2.13 in | 4.8 in | 4.4 in | 4.3 in | 3.9 in |





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| Number of Lamps | 1 piece/unit | Input Current (Starting) | 3.25/1.9/1.65/1.45 A |
| Circuit Type | CWA | Input Current (Short Circuit) | 2.54-3.81/1.46-2.19/1.27-1.9/1.1-1.66 A |
| Ballast Type | Magnetic HID | Secondary Short Circuit Current | 3.43-4.19 A |
| Base Model | 71A6071 | Constant Wattage Deviation | 10% |
| Core Size | 4 1/4 x 4 3/4 (2 coil) | Ballast Factor (Nom) | 1 |
| Suitable For Outdoor Use | Yes | Power Factor (Nom) | 0.90 |
| Ignitor Catalog Number | NA | Open Circuit Voltage | 305 V |
| Ignitor Temperature Rating | NA | Input Current (Nom) | 4/2.3/2/1.72 A A |
| Capacitor Value | 24 MFD | Input Power (Nom) | 455 W |
| Capacitor Catalog Number | 7C240P40R | Rated Lamp Power | 400 W |
| Capacitor Requirements | 400V | Wiring | |
| Capacitor Temperature Rating | 105°C | Wire Striplength | 0.5 mm |
| Capacitor Diameter/Oval Dimensions | 1.75 in | Wire Length by Color | 12" |
| Capacitor Height | 4.8 in | Wire Type | Stranded |
| Automatic Restart | No | Remote Wiring Configuration Allowed | Yes |
| Operating and Electrical | | Max Ballast-Lamp Distance Remote Wiring | Determined by AWG used |
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