



Core & Coil (71A) MH > 450W

CORE & COIL HID MH BAL 1500W M48 QUAD 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 Characteristics

| | |
|---------------------------|---------------------------|
| Lamp Type | 1500W MH |
| Number of Lamps | 1 piece |
| Line Voltage | 120/208/240/277 V |
| Input Current (Operating) | 13.4/7.8/6.8/5.9 A |
| Line Frequency | 60 Hz |
| Circuit Type | CWA |
| Ballast Type | Magnetic HID |
| Base Model | 71A6772 |
| Core Size | 4 1/4 x 6 (2 Coil NB) |
| Suitable for Outdoor use? | Yes |
| Ignitor Catalog Number | NA |
| Ignitor Temp Rating | NA |
| Capacitor value [μF] | 32 MFD |
| Capacitor Catalog Number | MD3202100 |
| Capacitor Requirements | 525V |
| Capacitor Temp Rating | 90°C |
| Capacitor Dia/Oval Dim | 2 in |
| Capacitor Height | 3.75 in |
| Family Name | Core & Coil MH High Power |

• Operating Characteristics

| | |
|-------------------------------|-----------------------|
| Automatic restart | No |
| Input Voltage at Lamp Dropout | 70/120/135/150 V |
| Nominal Open Circuit Voltage | 460 V |
| Inp. Current (Open Circuit) | 5.72/3.29/3.04/2.57 A |

| | |
|--------------------------------|--|
| Input Current (Starting) | 10.8/6.13/5.42/4.72 A |
| Input Current Short Circuit | 9.1-13.6/5.22-7.83/4.56-6.84/3.96-5.95 V |
| Secondary ShortCircuit Current | 7.29-8.9 A |
| Input Power Gear | 1610 W |
| Constant wattage deviation | 12% |
| Ballast factor | 1 - |
| Power Factor | 0.90 |

• 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) | Determined by AWG used |
| Recommended Fuse | 30/25/20/15 A |

• System Chars on driver level

| | |
|------------------|-------|
| Rated Lamp Watts | 1500W |
|------------------|-------|

• Product Dimensions

| | |
|-----------------|--------|
| Length A1 | 6 in |
| Length A2 | 5.4 in |
| Length A3 | 4.4 in |
| Width B1 | 4.3 in |
| Coil Depth C1 | 6.7 in |
| Stack Height C2 | 4.7 in |
| Width B2 | 3.9 in |

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• Approval & Application Chars

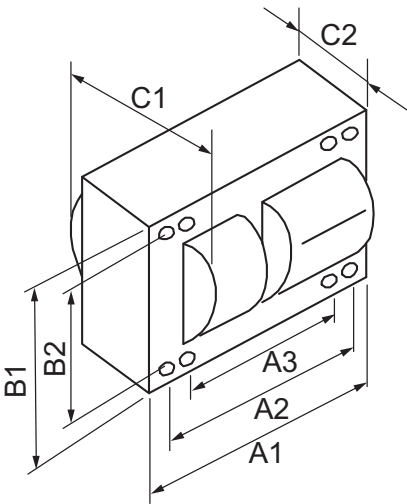
| | |
|--------------------------|----------------|
| Approbation Marks | ULR, CSA, RoHS |
| CE marking | No |
| VDE certificate | No |
| UL Listed | No |
| CSA certificate | Yes |
| CCC certificate | No |
| Chia Quality Certificate | No |
| Temperature marking | G/E/E/G |
| CEC Listing | No |
| cUL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

| | |
|--------------------------------|-----------|
| ANSI Code | M48 |
| HiPot Test (1 minute) | 2000 V |
| HiPot Test (2 seconds) | 2500 V |
| Open Circ Voltage Test (Volts) | 414-506 V |
| UL Insulation Class | H(180°C) |
| UL Temperature Code | 1029G |

• Product Data

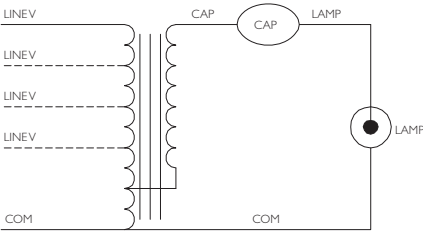
| | |
|--------------------|---------------------------|
| Product number | 71A6772001 |
| Full product name | MH BAL 1500W M48 QUAD KIT |
| Short product name | MH BAL 1500W M48 QUAD KIT |
| Pieces per Sku | 1 |
| Skus/Case | 1 |
| Bar code on pack | 781087677216 |
| Bar code on case | 30781087677217 |
| Logistics code(s) | 913700574909 |
| eop_net_weight_pp | 14.302 kg |

Dimensional drawing



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| Product | A1 (Norm) | A2 (Norm) | A3 (Norm) | B1 (Norm) | B2 (Norm) | C1 (Norm) | C2 (Norm) | C3 (Norm) |
|---------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| MH BAL 1500W M48 QUAD KIT | 6 | 5,4 | 4,4 | 4,3 | 3,9 | 6,7 | 4,7 | - |





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data subject to change