



Core & Coil (71A) HPS ~LT~ 200W

CORE & COIL HID 71A8172001D

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 | | Input Frequency | |
|------------------------------------|-------------------|---|---------------------------------------|
| ANSI Code | S55 | Input Frequency | 60 Hz |
| Lamp Type | 150W HPS | Input Current (Open Circuit) | 2.8/1.6/1.4/1.25 A |
| Number of Lamps | 1 piece/unit | Input Current (Starting) | 2/1.15/1/0.85 A |
| Circuit Type | HX-HPF | Input Current (Short Circuit) | 1.15-1.75/0.65-1/0.55-0.85/0.5-0.75 A |
| Ballast Type | Magnetic HID | Secondary Short Circuit Current | 3.95-4.85 A |
| Base Model | 71A8172 | Constant Wattage Deviation | Within Trapezoid |
| Core Size | 3 X 4 (2 LW) | Ballast Factor (Nom) | 1 |
| Suitable For Outdoor Use | Yes | Power Factor (Nom) | 0.90 |
| Ignitor Catalog Number | LI551-H4 | Open Circuit Voltage | 120 V |
| Ignitor Temperature Rating | 105°C | Input Current (Nom) | 1.65/0.95/0.83/0.72 A A |
| Capacitor Value | 14 MFD | Input Power (Nom) | 190 W |
| Capacitor Catalog Number | 7C140M30RA | Rated Lamp Power | 150 W |
| Capacitor Requirements | 280V | Wiring | |
| Capacitor Temperature Rating | 105°C | Wire Striplength | 0.5 mm |
| Capacitor Diameter/Oval Dimensions | 1.65 in | Wire Length by Color | 12" |
| Capacitor Height | 2.75 in | Wire Type | Stranded |
| Automatic Restart | No | Remote Wiring Configuration Allowed | Yes |
| Operating and Electrical | | Max Ballast-Lamp Distance Remote Wiring | 2' |
| Input Voltage | 120/208/240/277 V | Recommended Fuse Value | 10/5/5/4 A |

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Approval and Application

| | |
|-----------------------------------|------------------------------------|
| Open Circuit Voltage Test (Volts) | 110-130 V |
| Approval Marks | ULR CSA certificate RoHS Compliant |
| Temperature Marking | E/E/E/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 71A8172001D |
| EAN/UPC - Product | 781087817216 |
| Order code | 913700556509 |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 1 |
| Material Nr. (12NC) | 913700556509 |
| Net Weight (Piece) | 3.688 kg |

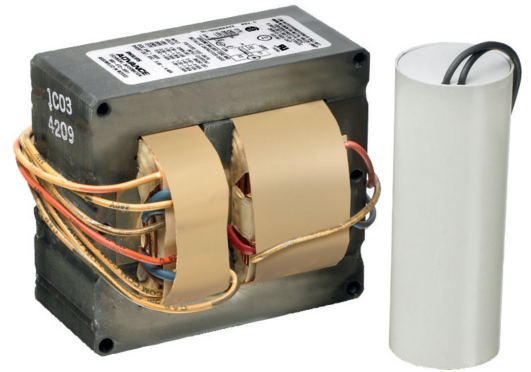
Dimensional drawing



HPS BAL 150W S55 QUAD KIT

| Product | C1 | C2 | A1 | A2 | B1 | B2 |
|-----------------------------|--------|--------|--------|--------|--------|--------|
| CORE & COIL HID 71A8172001D | 4.2 in | 2.5 in | 3.9 in | 3.5 in | 2.8 in | 2.4 in |





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| Base Model | 71A8172 |
| Core Size | 3 X 4 (2 LW) |
| Suitable For Outdoor Use | Yes |
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| Capacitor Value | 14 MFD |
| Capacitor Catalog Number | 7C140M30RA |
| Capacitor Requirements | 280V |
| Capacitor Temperature Rating | 105°C |
| Capacitor Diameter/Oval Dimensions | 1.65 in |
| Capacitor Height | 2.75 in |
| Automatic Restart | No |
| Operating and Electrical | |
| Input Voltage | 120/208/240/277 V |

| Input Frequency | 60 Hz |
|---|---------------------------------------|
| Input Current (Open Circuit) | 2.8/1.6/1.4/1.25 A |
| Input Current (Starting) | 2/1.15/1/0.85 A |
| Input Current (Short Circuit) | 1.15-1.75/0.65-1/0.55-0.85/0.5-0.75 A |
| Secondary Short Circuit Current | 3.95-4.85 A |
| Constant Wattage Deviation | Within Trapezoid |
| Ballast Factor (Nom) | 1 |
| Power Factor (Nom) | 0.90 |
| Open Circuit Voltage | 120 V |
| Input Current (Nom) | 1.65/0.95/0.83/0.72 A A |
| Input Power (Nom) | 190 W |
| Rated Lamp Power | 150 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 | 2' |
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| UL Recognized | Yes |
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