



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

## CORE & COIL HID MH BAL 1000W M47 QUAD C&C

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	71A6590
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	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
Inp. Current (Open Circuit)	5/2.7/2.5/2.2 A
Input Current (Starting)	7/4/3.5/3 A
Input Current (Short Circuit)	5.3-8/3.1-4.7/2.65-4/2.3-3.5 V
Secondary Short Circuit Current	4.9-6.1 A
Constant Wattage Deviation	10%
Ballast Factor (Nom)	1
Power Factor (Nom)	0.90
Nominal Open Circuit Voltage	415 V
Input Current (Operating) (Nom)	9/5.2/4.5/3.9 A A
Input Power (Nom)	1070 W
Rated Lamp Watts	1000 W

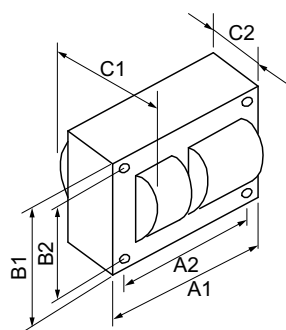
Wiring	
Wire Striplength	0.5 mm
Wire Length by Color	12"
Wire Type	Stranded
Remote Wiring Configuration Allowed	Yes
Max Ballast-Lamp Distance Remote	Determined by AWG used
Wiring	

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

Recommended Fuse Value	20/15/10/10 A
<b>Approval and Application</b>	
Open Circuit Voltage Test (Volts)	370-460 V
Approbation Marks	ULR CSA certificate RoHS Compliant
Temperature Marking	D/D/D/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

<b>Product Data</b>	
Order product name	CORE & COIL HID MH BAL 1000W M47 QUAD C&C
EAN/UPC - Product	781087042007
Order code	71A6590600
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	2
Material Nr. (12NC)	913710574902
Net Weight (Piece)	9.218 kg

### Dimensional drawing



Product	C1	C2	A1	A2	B1	B2
CORE & COIL HID 71A6590600	5.25 in	3.32 in	4.8 in	4.4 in	4.3 in	3.9 in

MH BAL 1000W M47 QUAD C&C

