**PHILIPS** Lighting



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

## CORE & COIL HID MH BAL 1000W M47 120/277/347V 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 1000W MH 1 piece/unit				
Lamp Type					
Number of Lamps					
Circuit Type	CWA				
Ballast Type	Magnetic HID				
Base Model	71A65A2				
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				

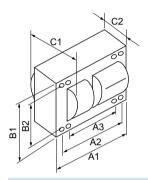
Operating and Electrical	
Input Voltage	120/277/347 V
Input Frequency	60 Hz
Input Current (Open Circuit)	4.5/2.2/1.7 A
Input Current (Starting)	7.8/3.2/2.5 A
Input Current (Short Circuit)	4.8-7.3/2-3.1/1.6-2.6 V
Secondary Short Circuit Current	5.2-6.4 A
Constant Wattage Deviation	10%
Ballast Factor (Nom)	1
Power Factor (Nom)	0.90
Open Circuit Voltage	430 V
Input Current (Nom)	9/3.9/3.2 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 Wiring Determined by AWG used				
Recommended Fuse Value	20/10/8 A			
Approval and Application				
Open Circuit Voltage Test (Volts)	385-475 V			
Approval Marks	ULR CSA certificate RoHS Compliant			
Temperature Marking	D/C/C			
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				
	120/277/347V C&C				
EAN/UPC - Product	781087021965				
Order code	176412				
Local order code	176412				
Numerator - Quantity Per Pack	1				
Numerator - Packs per outer box	2				
Material Nr. (12NC)	913700500661				
Net Weight (Piece)	9.267 kg				

### Dimensional drawing



MH BAL 1000W M47 120/277/347V C&C

Product	C1	C2	A1	A2	A3	B1	B2
CORE & COIL HID MH BAL 1000W	4.5 in	2.8 in	6 in	5.4 in	4.4 in	4.3 in	3.9 in
M47 120/277/347V C&C							



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