



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

CORE & COIL HID MH BAL 1500W M48 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	M48				
Lamp Type	1500W MH				
Number of Lamps	1 piece/unit				
Circuit Type	CWA				
Ballast Type	Magnetic HID				
Base Model	71A6792				
Core Size	4 1/4 x 6				
Suitable For Outdoor Use	Yes				
Ignitor Catalog Number	NA				
Ignitor Temperature Rating	NA				
Capacitor Value	32 MFD				
Capacitor Catalog Number	MD3202100				
Capacitor Requirements	525V				
Capacitor Temperature Rating	90°C				
Capacitor Diameter/Oval Dimensions	2 in				
Capacitor Height	3.75 in				
Automatic Restart	No				
Operating and Electrical					
Input Voltage	120/208/240/277 V				

Input Frequency 60 Hz Inp. Current (Open Circuit) 4.8/2.5/2.2/2 A Input Current (Starting) 13.4/7.7/6.7/5.7 A Input Current (Short Circuit) 9.8-14.8/5.6-8.3/5.2-7.8/4.4-6.7 V Secondary Short Circuit Current 7.4-9 A Constant Wattage Deviation 12% Ballast Factor (Nom) 1 Power Factor (Nom) 0.90 Nominal Open Circuit Voltage 450 V Input Current (Operating) (Nom) 13.5/7.8/6.75/5.85 A A Input Power (Nom) 1605 W Rated Lamp Watts 1500 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							
Input Current (Starting) Input Current (Short Circuit) 9.8-14.8/5.6-8.3/5.2-7.8/4.4-6.7 V Secondary Short Circuit Current 7.4-9 A Constant Wattage Deviation 12% Ballast Factor (Nom) 1 Power Factor (Nom) Nominal Open Circuit Voltage 450 V Input Current (Operating) (Nom) 13.5/7.8/6.75/5.85 A A Input Power (Nom) Rated Lamp Watts 1500 W Wiring Wire Striplength 0.5 mm Wire Length by Color 12" Wire Type Stranded Remote Wiring Configuration Allowed Remote Wiring Configuration Allowed Possible Color Determined by AWG used	Input Frequency	60 Hz					
Input Current (Short Circuit) 9.8–14.8/5.6–8.3/5.2–7.8/4.4–6.7 V Secondary Short Circuit Current 7.4–9 A Constant Wattage Deviation 12% Ballast Factor (Nom) 1 Power Factor (Nom) 0.90 Nominal Open Circuit Voltage 450 V Input Current (Operating) (Nom) 13.5/7.8/6.75/5.85 A A Input Power (Nom) 1605 W Rated Lamp Watts 1500 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	Inp. Current (Open Circuit)	4.8/2.5/2.2/2 A					
Secondary Short Circuit Current 7.4-9 A Constant Wattage Deviation 12% Ballast Factor (Nom) 1 Power Factor (Nom) 0.90 Nominal Open Circuit Voltage 450 V Input Current (Operating) (Nom) 13.5/7.8/6.75/5.85 A A Input Power (Nom) 1605 W Rated Lamp Watts 1500 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	Input Current (Starting)	13.4/7.7/6.7/5.7 A					
Constant Wattage Deviation 12% Ballast Factor (Nom) 1 Power Factor (Nom) 0.90 Nominal Open Circuit Voltage 450 V Input Current (Operating) (Nom) 13.5/7.8/6.75/5.85 A A Input Power (Nom) 1605 W Rated Lamp Watts 1500 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	Input Current (Short Circuit)	9.8-14.8/5.6-8.3/5.2-7.8/4.4-6.7 V					
Ballast Factor (Nom) 1 Power Factor (Nom) 0.90 Nominal Open Circuit Voltage 450 V Input Current (Operating) (Nom) 13.5/7.8/6.75/5.85 A A Input Power (Nom) 1605 W Rated Lamp Watts 1500 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	Secondary Short Circuit Current	7.4-9 A					
Power Factor (Nom) Nominal Open Circuit Voltage 450 V Input Current (Operating) (Nom) 13.5/7.8/6.75/5.85 A A Input Power (Nom) Rated Lamp Watts 1500 W Wiring Wire Striplength 0.5 mm Wire Length by Color 12" Wire Type Stranded Remote Wiring Configuration Allowed Remote Wiring Configuration Allowed Determined by AWG used	Constant Wattage Deviation	12%					
Nominal Open Circuit Voltage 450 V Input Current (Operating) (Nom) 13.5/7.8/6.75/5.85 A A Input Power (Nom) 1605 W Rated Lamp Watts 1500 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	Ballast Factor (Nom)	1					
Input Current (Operating) (Nom) 13.5/7.8/6.75/5.85 A A Input Power (Nom) 1605 W Rated Lamp Watts 1500 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	Power Factor (Nom)	0.90					
Input Power (Nom) 1605 W Rated Lamp Watts 1500 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	Nominal Open Circuit Voltage	450 V					
Rated Lamp Watts 1500 W Wiring Wire Striplength O.5 mm Wire Length by Color 12" Wire Type Stranded Remote Wiring Configuration Allowed Yes Max Ballast-Lamp Distance Remote Determined by AWG used	Input Current (Operating) (Nom)	13.5/7.8/6.75/5.85 A A					
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	Input Power (Nom)	1605 W					
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	Rated Lamp Watts	1500 W					
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							
Wire Length by Color 12" Wire Type Stranded Remote Wiring Configuration Allowed Yes Max Ballast-Lamp Distance Remote Determined by AWG used	Wiring						
Wire Type Stranded Remote Wiring Configuration Allowed Yes Max Ballast-Lamp Distance Remote Determined by AWG used	Wire Striplength	0.5 mm					
Remote Wiring Configuration Allowed Yes Max Ballast-Lamp Distance Remote Determined by AWG used	Wire Length by Color	12"					
Max Ballast-Lamp Distance Remote Determined by AWG used	Wire Type	Stranded					
•	Remote Wiring Configuration Allowed	Yes					
Wiring	Max Ballast-Lamp Distance Remote	Determined by AWG used					
	Wiring						

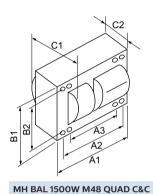
Datasheet, 2019, February 12 data subject to change

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

Recommended Fuse Value	30/25/20/15 A				
Approval and Application					
Open Circuit Voltage Test (Volts)	405-495 V				
Approbation Marks	ULR CSA certificate RoHS Compliant				
Temperature Marking	G/E/E/G				
UL Recognized	Yes				
Hipot Test (1 Minute)	2000 V				
Hipot Test (2 Seconds)	2500 V				
UL Insulation Class	H(180°C)				
UL Temperature Code	1029G				

Product Data					
Order product name	CORE & COIL HID MH BAL 1500W M48 QUAD				
	C&C				
EAN/UPC - Product	781087023105				
Order code	71A6792600				
Numerator - Quantity Per Pack	1				
Numerator - Packs per outer box	2				
Material Nr. (12NC)	913700504351				
Net Weight (Piece)	13.000 kg				

Dimensional drawing



Product	C1	C2	A1	A2	А3	B1	B2
CORE & COIL HID 71A6792600	6.1 in	4.10 in	6 in	5.4 in	4.4 in	4.3 in	3.9 in

