



Core & Coil (71A) MH 175W - 450W

CORE & COIL HID MH BAL 250W M138/M153 480V/120T 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	M138-M153			
Lamp Type	250W MH			
Number of Lamps	1 piece/unit			
Circuit Type	SUPER-CWA			
Ballast Type	Magnetic HID			
Base Model	71A5742TEE			
Core Size	4 1/4 x 4 3/4 (2 coil)			
Suitable For Outdoor Use	Yes			
Ignitor Catalog Number	LI533-H4			
Ignitor Temperature Rating	105°C			
Capacitor Value	17 MFD			
Capacitor Catalog Number	7C170P40			
Capacitor Requirements	340V			
Capacitor Temperature Rating	105°C			
Capacitor Diameter/Oval Dimensions	1.75 in			
Capacitor Height	3.75 in			
Automatic Restart	No			

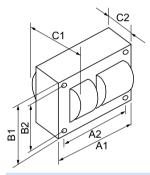
Operating and Electrical				
Input Voltage	480/120T V			
Input Frequency	60 Hz			
Input Current (Open Circuit)	0.47 A			
Input Current (Starting)	0.41 A			
Input Current (Short Circuit)	0.33-0.50 A			
Secondary Short Circuit Current	2.44-2.99 A			
Constant Wattage Deviation	10%			
Ballast Factor (Nom)	1			
Power Factor (Nom)	0.90			
Open Circuit Voltage	290 V			
Input Current (Nom)	0.64 A A			
Input Power (Nom)	283 W			
Rated Lamp Power	250 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 2'					
Recommended Fuse Value	2 A				
Approval and Application					
Open Circuit Voltage Test (Volts)	261-319 V				
Approval Marks	ULR CSA certificate EISA RoHS Compliant				
Temperature Marking	A				
UL Recognized	Yes				
Hipot Test (1 Minute)	2000 V				
Hipot Test (2 Seconds)	2500 V				
UL Insulation Class	H(180°C)				
UL Temperature Code	1029A				

Product Data	
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Order product name	CORE & COIL HID MH BAL 250W M138/
	M153 480V/120T C&C
EAN/UPC - Product	781087077009
Order code	913710693002
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	4
Material Nr. (12NC)	913710693002
Net Weight (Piece)	4.296 kg

Dimensional drawing



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Product	C1	C2	A1	A2	B1	B2
CORE & COIL HID MH BAL 250W	4.05 in	2.15 in	4.8 in	4.4 in	4.3 in	3.9 in
M138/M153 480V/120T C&C						



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