PHILIPS Lighting



Core & Coil (71A) MH ~LT~ 175W

CORE & COIL HID MH BAL 100W M90/140 277V 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	M90-M140				
Lamp Type	100W MH				
Number of Lamps	1 piece/unit				
Circuit Type	R-HPF				
Ballast Type	Magnetic HID				
Base Model	71A5337BP				
Core Size	2 5/8 x 2 3/16				
Suitable For Outdoor Use	Yes				
Ignitor Catalog Number	INTEGRAL				
Ignitor Temperature Rating	125°C				
Capacitor Value	10 MFD				
Capacitor Catalog Number	7C100M30RA				
Capacitor Requirements	280V				
Capacitor Temperature Rating	105°C				
Capacitor Diameter/Oval Dimensions	1.65 in				
Capacitor Height	2.75 in				
Automatic Restart	No				

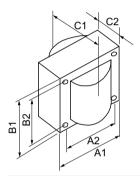
Operating and Electrical	
Input Voltage	277 V
Input Frequency	60 Hz
Input Current (Open Circuit)	1.05 A
Input Current (Starting)	0.7 A
Input Current (Short Circuit)	0.25-0.35 A
Secondary Short Circuit Current	1.05-1.55 A
Constant Wattage Deviation	10%
Ballast Factor (Nom)	1
Power Factor (Nom)	0.90
Open Circuit Voltage	277 V
Input Current (Nom)	0.45 A A
Input Power (Nom)	118 W
Rated Lamp Power	100 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	3 A			
Approval and Application				
Open Circuit Voltage Test (Volts)	260-290 V			
Approval Marks	RoHS Compliant CSA certificate			
Temperature Marking	А			
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	
Order product name	CORE & COIL HID MH BAL 100W M90/140
	277V C&C
EAN/UPC - Product	781087097656
Order code	913710487702
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	16
Material Nr. (12NC)	913710487702
Net Weight (Piece)	0.010 kg

Dimensional drawing



MH BAL 100W M90/140 120/277V C&C

Product	C1	C2	A1	A2	B1	B2
CORE & COIL HID MH BAL 100W M90/140	3.1 in	1.8 in	2.6 in	2.2 in	2.2 in	1.8 in
277V C&C						



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