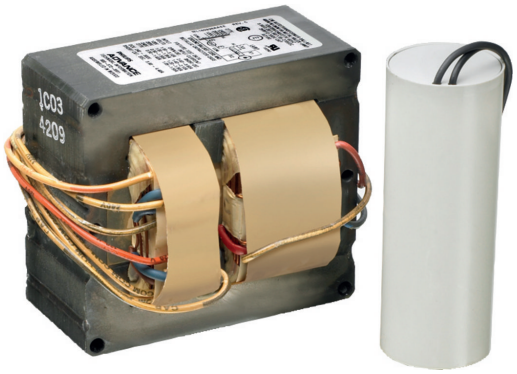
PHILIPS

Lighting



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

CORE & COIL HID MH BAL 150W M102/142 120/220/240V 50 HZ

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	M102-M142
Lamp Type	150 MH
Number of Lamps	1 piece/unit
Circuit Type	HX-HPF
Ballast Type	Magnetic HID
Base Model	71A54N2
Core Size	3 X 4 (2 coil)
Suitable For Outdoor Use	Yes
Ignitor Catalog Number	LI533-H4
Ignitor Temperature Rating	105°C
Capacitor Value	28 MFD
Capacitor Catalog Number	7C280P30RA
Capacitor Requirements	240V
Capacitor Temperature Rating	105°C
Capacitor Diameter/Oval Dimensions	1.85 in
Capacitor Height	3.7 in
Automatic Restart	No

Operating and Electrical	
Input Voltage	120/220/240 V
Input Frequency	50 Hz
Input Current (Open Circuit)	3.7/2/1.8 A
Input Current (Starting)	2/1.15/1 A
Input Current (Short Circuit)	0.85-1.26/0.46-0.68/0.42-0.64 A
Secondary Short Circuit Current	1.6-2.05 A
Constant Wattage Deviation	14%
Ballast Factor (Nom)	1
Power Factor (Nom)	0.90
Open Circuit Voltage	248 V
Input Current (Nom)	1.7/0.95/0.85 A A
Input Power (Nom)	187 W
Rated Lamp Power	150 W

Wiring	
Wire Striplength	0.5 mm
Wire Length by Color	12"
Wire Type	Stranded
Remote Wiring Configuration Allowed	Yes

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

Max Ballast-Lamp Distance Remote Wiring	5'
Recommended Fuse Value	10/5/5 A

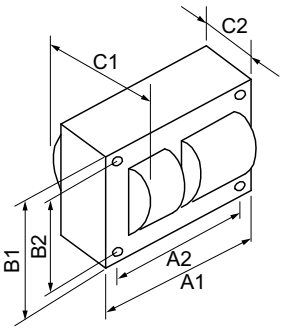
Approval and Application

Open Circuit Voltage Test (Volts)	228-279 V
Approval Marks	RoHS Compliant CSA certificate
Temperature Marking	C/C/D
UL Recognized	Yes
Hipot Test (1 Minute)	1500 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 150W M102/142 120/220/240V 50 HZ
EAN/UPC - Product	781087118405
Order code	913710420102
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	4
Material Nr. (12NC)	913710420102
Net Weight (Piece)	3.797 kg

Dimensional drawing



MH BAL M102/142 120/220/240V 50 HZ C&C

Product	C1	C2	A1	A2	B1	B2
CORE & COIL HID 71A54N2500D	4.1 in	2.5 in	3.9 in	3.5 in	2.8 in	2.4 in

© 2019 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. All trademarks are owned by Signify Holding or their respective owners.