



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

CORE & COIL HID 71A6051001D

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		Electrical	
ANSI Code	M59	Input Frequency	60 Hz
Lamp Type	400W MH	Input Current (Open Circuit)	2.86/1.45/1.29/1.1/0.62 A
Number of Lamps	1 piece/unit	Input Current (Starting)	3.51/2.0/1.72/1.49/0.86 A
Circuit Type	CWA	Input Current (Short Circuit)	2.7-4.05/1.56-2.34/1.29-1.92/1.17-1.76/0.68-1.02 A
Ballast Type	Magnetic HID	Secondary Short Circuit Current	3.04-4.56 A
Base Model	71A6051	Constant Wattage Deviation	10%
Core Size	4 1/4 x 4 3/4 (2 coil)	Ballast Factor (Nom)	1
Suitable For Outdoor Use	Yes	Power Factor (Nom)	0.90
Ignitor Catalog Number	NA	Open Circuit Voltage	300 V
Ignitor Temperature Rating	NA	Input Current (Nom)	4.13/2.29/2.2/1.72/0.99 A A
Capacitor Value	24 MFD	Input Power (Nom)	455 W
Capacitor Catalog Number	7C240P40R	Rated Lamp Power	400 W
Capacitor Requirements	400V	Wiring	
Capacitor Temperature Rating	105°C	Wire Striplength	0.5 mm
Capacitor Diameter/Oval Dimensions	1.75 in	Wire Length by Color	12"
Capacitor Height	4.8 in	Wire Type	Stranded
Automatic Restart	No	Remote Wiring Configuration Allowed	Yes
Operating and Electrical		Max Ballast-Lamp Distance Remote Wiring	Determined by AWG used
Input Voltage	120/208/240/277/480 V	Recommended Fuse Value	10/7/5/5/3 A

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

Approval and Application

Open Circuit Voltage Test (Volts)	280-320 V
Approval Marks	ULR CSA certificate RoHS Compliant
Temperature Marking	C/C/D/C/D
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 71A6051001D
EAN/UPC - Product	781087110379
Order code	913710414201
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	913710414201
Net Weight (Piece)	5.938 kg

Dimensional drawing



MH BAL 400W M59 5-TAP KIT

Product	C1	C2	A1	A2	B1	B2
CORE & COIL HID 71A6051001D	4.45 in	2.34 in	4.8 in	4.4 in	4.3 in	3.9 in





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

CORE & COIL HID 71A6051001D

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		Electrical	
ANSI Code	M59	Input Frequency	60 Hz
Lamp Type	400W MH	Input Current (Open Circuit)	2.86/1.45/1.29/1.1/0.62 A
Number of Lamps	1 piece/unit	Input Current (Starting)	3.51/2.0/1.72/1.49/0.86 A
Circuit Type	CWA	Input Current (Short Circuit)	2.7-4.05/1.56-2.34/1.29-1.92/1.17-1.76/0.68-1.02 A
Ballast Type	Magnetic HID	Secondary Short Circuit Current	3.04-4.56 A
Base Model	71A6051	Constant Wattage Deviation	10%
Core Size	4 1/4 x 4 3/4 (2 coil)	Ballast Factor (Nom)	1
Suitable For Outdoor Use	Yes	Power Factor (Nom)	0.90
Ignitor Catalog Number	NA	Open Circuit Voltage	300 V
Ignitor Temperature Rating	NA	Input Current (Nom)	4.13/2.29/2.2/1.72/0.99 A A
Capacitor Value	24 MFD	Input Power (Nom)	455 W
Capacitor Catalog Number	7C240P40R	Rated Lamp Power	400 W
Capacitor Requirements	400V	Wiring	
Capacitor Temperature Rating	105°C	Wire Striplength	0.5 mm
Capacitor Diameter/Oval Dimensions	1.75 in	Wire Length by Color	12"
Capacitor Height	4.8 in	Wire Type	Stranded
Automatic Restart	No	Remote Wiring Configuration Allowed	Yes
Operating and Electrical		Max Ballast-Lamp Distance Remote Wiring	Determined by AWG used
Input Voltage	120/208/240/277/480 V	Recommended Fuse Value	10/7/5/5/3 A

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

Approval and Application

Open Circuit Voltage Test (Volts)	280-320 V
Approval Marks	ULR CSA certificate RoHS Compliant
Temperature Marking	C/C/D/C/D
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 71A6051001D
EAN/UPC - Product	781087110379
Order code	913710414201
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	913710414201
Net Weight (Piece)	5.938 kg

Dimensional drawing



MH BAL 400W M59 5-TAP KIT

Product	C1	C2	A1	A2	B1	B2
CORE & COIL HID 71A6051001D	4.45 in	2.34 in	4.8 in	4.4 in	4.3 in	3.9 in

