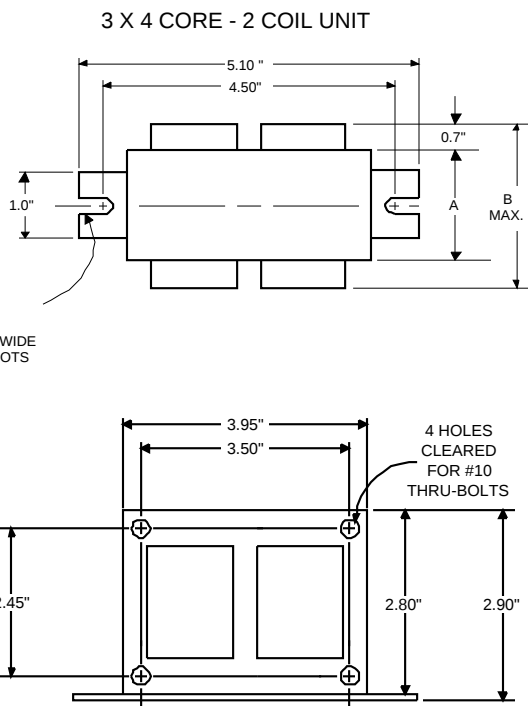


**PHILIPS
ADVANCE**

**Metal
Halide
Lamp Ballast**

Catalog Number 71A53N0
For 100W M90/M140
50 Hz HX-HPF
Status: Active

DIMENSIONS AND DATA



Capacitor: 7C175M30-R



Capacitance: 17.5
Dia/Oval Dim: 1.5
Height: 3.75
Temp Rating: 105°C

Ignitor: LI533-H4



Ballast to Lamp Distance
(BTL) = 15 feet
Temp Rating: 105°C

INPUT VOLTS		120	220	240		
CIRCUIT TYPE	HX-HPF					
POWER FACTOR (min)	90%					
REGULATION						
Line Volts	±5%					
Lamp Watts	±12%					
LINE CURRENT (Amps)						
Operating.....		1.15	0.65	0.60		
Open Circuit.....		2.20	1.20	1.10		
Starting.....		1.30	0.70	0.65		
UL TEMPERATURE RATINGS						
Insulation Class	H(180°C)					
Coil Temperature Code	1029	A	A	A		
MIN. AMBIENT STARTING TEMP.	-20°F or -30°C					
NOM. OPEN CIRCUIT VOLTAGE	266					
INPUT VOLTAGE AT LAMP DROPOUT.....		85	155	170		
INPUT WATTS	129					
RECOMMENDED FUSE (Amps).....		6	3	3		
CORE and COIL						
Dimension (A)	1.90					
Dimension (B)	3.20					
Weight (lbs.)	6					
Lead Lengths	12"					
CAPACITOR REQUIREMENT						
Microfarads	17.5					
Volts (min.)	240					
Fault Current Withstand (amps)						
60 Hz TEST PROCEDURES (Refer to Philips Lighting Electronics N.A. TEST Procedure for HID Ballasts - Form High Potential Test (Volts)						
1 minute	2000					
2 seconds	2500					
Open Circuit Voltage Test (Volts)	240-295					
Short-Circuit Current Test (Amps)						
Secondary Current	1.00-1.25					
Input Current.....		0.32	0.15	0.16	-	-
		0.52	0.30	0.25		

Wiring Diagram:

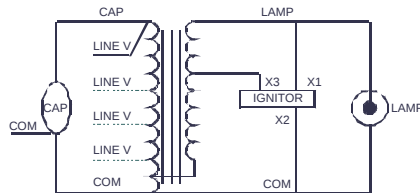


Fig. K3



Typical Ordering Information

(please call Philips Lighting Electronics N.A. for suffix availability)

Order Suffix	Description
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Data is based upon tests performed by Philips Lighting Electronics N.A. in a controlled environment and is representative of relative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice.

PHILIPS LIGHTING ELECTRONICS N.A.

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