BALLAST SPECIFICATION

400W M59

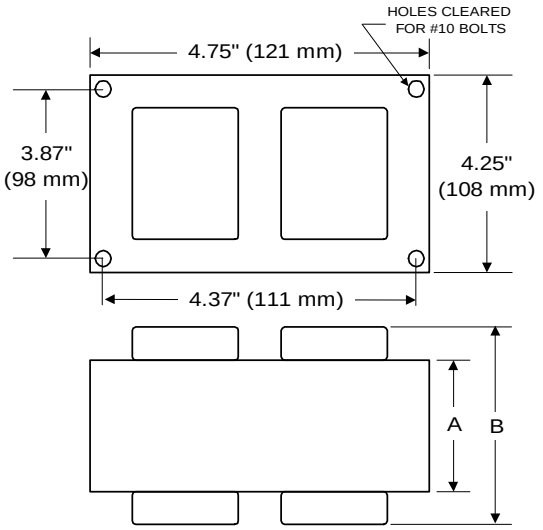
Metal Halide

V90D6413

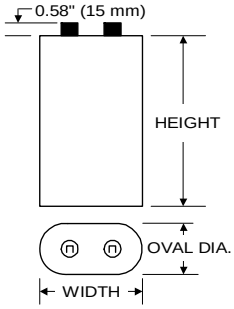
60 Hz CWA

Input Volts	120	208	240	277
Line Current (Amps)				
Operating	4.00	2.30	2.00	1.75
Open Circuit	3.50	2.00	1.75	1.50
Starting	2.80	1.60	1.40	1.20
Recommended Fuse (Amps)	10	6	5	5
Regulation				
Line Volts	±10%	±10%	±10%	±10%
Lamp Watts	±9%	±9%	±9%	±9%
Temperature Ratings				
Insulation Class	180 (H)	180 (H)	180 (H)	180 (H)
Coil Temperature Code	D	D	E	E
Benchtop Coil Rise	88.6	89.9	90.8	92.5
Power Factor (Min)	90%	90%	90%	90%
Input Watts	458 W	458 W	458 W	458 W
Efficiency	87%	87%	87%	87%
NOM. Open Circuit Voltage	300	300	300	300
Input Voltage At Lamp Dropout	52	90	105	120
Min Ambient Starting Temp	-20°F/-30°C	-20°F/-30°C	-20°F/-30°C	-20°F/-30°C
60 HZ TEST PROCEDURES				
High Potential Test (Volts)				
1 Minute	1,600 V	1,600 V	1,600 V	1,600 V
1 Second	1,900 V	1,900 V	1,900 V	1,900 V
Open Circuit Voltage Test (V)	270 - 330	270 - 330	270 - 330	270 - 330
Short Circuit Current Test (A)				
Secondary Current Min	3.45	3.45	3.45	3.45
Secondary Current Max	4.25	4.25	4.25	4.25
Input Current Min	2.20	1.25	1.10	0.95
Input Current Max	3.40	2.00	1.70	1.45
CORE and COIL Specifications				
Dimension (A)	2.00 in	2.00 in	2.00 in	2.00 in
Dimension (B)	3.90 in	3.90 in	3.90 in	3.90 in
Weight	10.7 lb's	10.7 lb's	10.7 lb's	10.7 lb's
Lead Lengths	12 "	12 "	12 "	12 "
Capacitor Requirement				
Microfarads	24.0 uf	24.0 uf	24.0 uf	24.0 uf
Volts (Min)	360 V	360 V	360 V	360 V

4X4 CORE - HX, CWA CWI UNITS



Capacitor:	ACB247OV / ACG247		Ignitor: None
Microfarads:	24.0 uf	24.0 uf	
Volts (Max):	400 V	400 V	
Case Temp (Max):	100 °C	100 °C	
Height (Max):	3.19 in	4.68 in	
Dia (Max):	1.97 in	1.82 in	
Oval Width (Max):	2.97 in		



OIL-FILLED CAPACITOR

This Ballast Does Not Require An Ignitor

Ordering Information Add Suffix for options

C - With Capacitor

D - With Alt Dry Type Capacitor

K - Prewired, with Capacitor and Bracket Kit

B - With Welded Bracket, no cap

CB - With Capacitor and Welded Bracket

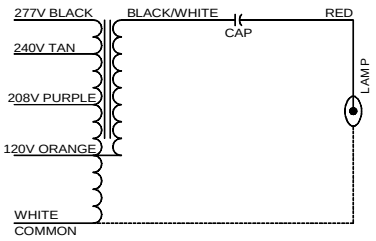
DB - With Alt Dry Type Capacitor and Welded Bracket

Coil material: primary Cu and secondary Al

RoHS compliant on all manufactured products after August 1, 2007

Data is based upon tests performed by Venture Lighting in a controlled environment and is representitive of relative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice.

RoHS



10/8/2008 Production

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