



BALLAST SPECIFICATION

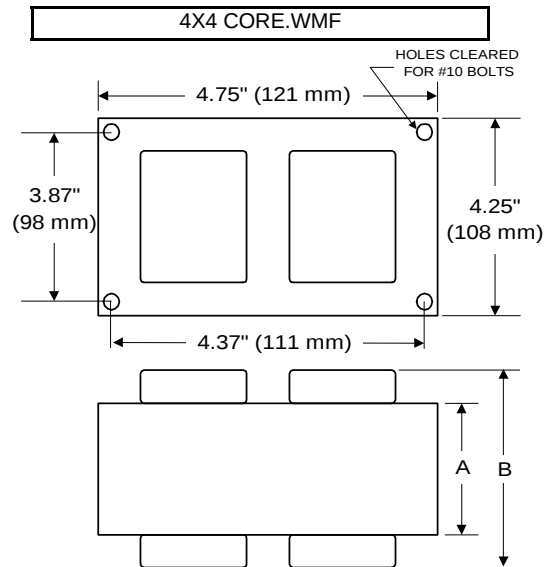
400W M59

Metal Halide

V90J6414

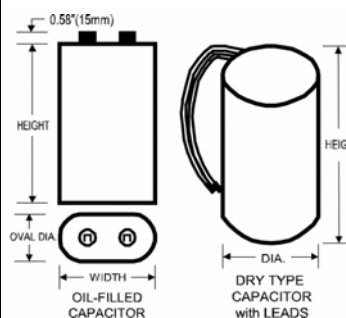
60 Hz CWA

Input Volts	120	277	347
Line Current (Amps)			
Operating	4.00	1.75	1.40
Open Circuit	2.35	1.10	0.90
Starting	3.50	1.55	1.20
Recommended Fuse (Amps)	10	5	4
Regulation			
Line Volts	±10%	±10%	±10%
Lamp Watts	±10%	±10%	±10%
Temperature Ratings			
Insulation Class	180 (H)	180 (H)	180 (H)
Coil Temperature Code	C	D	D
Benchtop Coil Rise	81.1	88.5	89.4
Power Factor (Min)	90%	90%	90%
Input Watts	454 W	454 W	454 W
Efficiency	88%	88%	88%
NOM. Open Circuit Voltage	305	305	305
Input Voltage At Lamp Dropout	60	125	170
Min Ambient Starting Temp	-20°F/-30°C	-20°F/-30°C	-20°F/-30°C
60 HZ TEST PROCEDURES			
High Potential Test (Volts)			
1 Minute	1,700 V	1,700 V	1,700 V
1 Second	2,100 V	2,100 V	2,100 V
Open Circuit Voltage Test (V)	275 - 335	275 - 335	275 - 335
Short Circuit Current Test (A)			
Secondary Current Min	3.50	3.50	3.50
Secondary Current Max	4.30	4.30	4.30
Input Current Min	2.80	1.20	0.95
Input Current Max	4.20	1.85	1.45
CORE and COIL Specifications			
Dimension (A)	2.15 in	2.15 in	2.15 in
Dimension (B)	4.20 in	4.20 in	4.20 in
Weight	10.5 lb's	10.5 lb's	10.5 lb's
Lead Lengths	12 "	12 "	12 "
Capacitor Requirement			
Microfarads	24.0 uf	24.0 uf	24.0 uf
Volts (Min)	360 V	360 V	360 V



Capacitor:	ACB2470V / ACG247	Ignitor:	None
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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	



**This Ballast
Does Not
Require
An Ignitor**

Ordering Information Add Suffix for options

- C - With Oil-Filled Capacitor
- CB - With Oil-Filled Capacitor and Welded Bracket
- B - With Welded Bracket, no Capacitor
- K - Prewired, with Dry Capacitor and Bracket Kit
- D - With Dry Capacitor
- DB - With Dry Capacitor and Welded Bracket

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 representative of relative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice.

9/14/2009 Production Coil material: primary Al and secondary Al

