



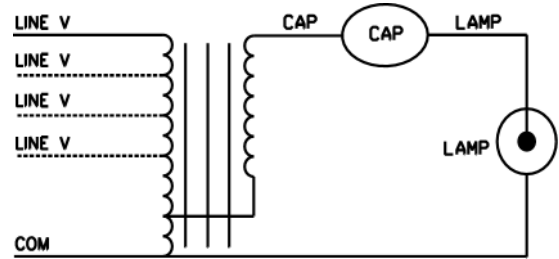
HOWARD INDUSTRIES, INC.
Magnetic Ballast Products Division

Model: **M0250-71C-213**
Standard Metal Halide

250 Watts M-58
60 Hz CWA

Input Volts		120	208	240	277
Circuit Type	CWA				
Power Factor	0.92				
Regulation					
Line Volts	± 10 %				
Lamp Watts	- 9.2 % + 8.7 %				
Line Current (Amps)					
Operating		2.65	1.50	1.35	1.15
Open Circuit		1.54	0.86	0.77	0.67
Starting		2.42	1.39	1.21	1.05
Recommended Fuse		8	5	4	4
UL Temperature Ratings					
Insulation Class	H (180°C)				
Coil Temperature Code		A	A	A	B
Benchtop Coil Rise Primary		66	70	71	72
Benchtop Coil Rise Secondary		-	-	-	78
Input Watts		290	292	293	293
NOM Open Circuit Volts	310				
Current Crest Factor	1.66				
Input Voltage at Lamp Dropout		60	104	120	138
Min Ambient Starting Temp.	-20°F -30°C				
High Potential Test (Volts)					
1 Minute	1650				
1 Second	2000				
Open Circuit Voltage Test (Volts)					
Open Circuit Voltage	275 - 345				
Input Current	min	1.25	0.70	0.60	0.55
	max	2.10	1.20	1.05	0.90
Short Circuit Current Test (Amps)					
Secondary Current	2.25 - 2.75				
Input Current	min	1.70	1.00	0.85	0.75
	max	2.85	1.65	1.45	1.25
Core and Coil Specifications					
Dimension A"	1.70				
Dimension B"	3.63				
Weight (lbs.)	8.8				
Lead Lengths (in.)	12				
Capacitor Specifications					
Microfarads	15				
Volts (min.)	400				
Oval OIL Filled DRY Film					
Case Size (in.)	1.75 1.8				
Height (in.)	2.9 4.2				
Temp Rating °C	90 100				
Starter Specifications					
Model Number	Not required				
BTL	-				
Temp Rating °C	-				

Wiring Diagram



Outside Dimensions Drawing 1080-046588-002
 ISO-View of Core Coil 1091-912002-002
 1091-912002-009
 Oil Capacitor Can Drawing 1011-007500-003
 Dry Capacitor Can Drawing 1012-007500-001
 Starter Case Drawing None



Rev. Date: New 5/7/03

Test Ref.: ####

Specifications subject to change without notice.

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