



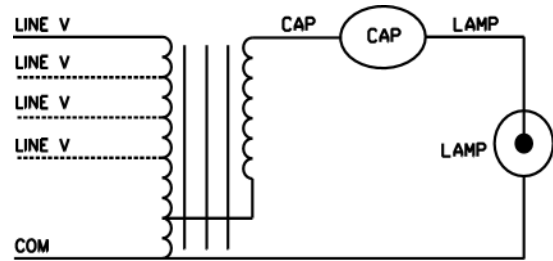
HOWARD INDUSTRIES, INC.  
Magnetic Ballast Products Division

Model: **M1500-71C-212**  
Standard Metal Halide

1500 Watts M-48  
60 Hz CWA

<b>Input Volts</b>		120	208	240	277
<b>Circuit Type</b>	CWA				
<b>Power Factor</b>	0.96				
<b>Regulation</b>					
Line Volts	± 10 %				
Lamp Watts	- 10 % + 8 %				
<b>Line Current (Amps)</b>					
Operating		14.03	8.03	7.05	6.10
Open Circuit		5.86	3.23	2.94	2.52
Starting		12.75	7.50	6.50	5.60
Recommended Fuse		30	25	20	15
<b>UL Temperature Ratings</b>					
Insulation Class	H (180°C)				
Coil Temperature Code		D	C	C	B
Benchtop Coil Rise Primary		87	80	80	76
Benchtop Coil Rise Secondary		81	-	-	-
<b>Input Watts</b>		1603	1603	1603	1603
<b>NOM Open Circuit Volts</b>	462				
<b>Current Crest Factor</b>	1.65				
<b>Input Voltage at Lamp Dropout</b>		60	104	120	139
<b>Min Ambient Starting Temp.</b>	-20°F -30°C				
<b>High Potential Test (Volts)</b>					
1 Minute	2000				
1 Second	2400				
<b>Open Circuit Voltage Test (Volts)</b>					
Open Circuit Voltage	415 - 508				
Input Current	min	4.35	2.40	2.20	1.85
	max	7.35	4.05	3.70	3.15
<b>Short Circuit Current Test (Amps)</b>					
Secondary Current	7.3 - 9.1				
Input Current	min	9.30	5.35	4.65	4.05
	max	15.55	8.95	7.80	6.80
<b>Core and Coil Specifications</b>					
Dimension A"	4.00				
Dimension B"	6.13				
Weight (lbs.)	29.4				
Lead Lengths (in)	12				
<b>Capacitor Specifications</b>					
Microfarads	32				
Volts (min.)	525				
	<b>Oval OIL Filled DRY Film</b>				
Case Size (in.)	1.75				
Height (in.)	5.3				
Temp Rating °C	90				
<b>Starter Specifications</b>					
Model Number	NONE				
	BTL				
Temp Rating °C					

Wiring Diagram Number 1091-912000-001



Outside Dimensions Drawing 1080-046465-000

ISO-View of Core Coil 1091-912002-010

Oil Capacitor Can Drawing 1011-007500-003

Dry Capacitor Can Drawing

Starter Case Drawing



Rev. Date: 6/8/00

Test Ref.:

Specifications subject to change without notice.

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