Current Transformer

Models 112, 113, 114, 115, 117



APPLICATION:
Metering

FREQUENCY:
50-400 Hz.

INSULATION LEVEL:
600 Volts. 10 kV BIL. full wave

WINDOW DIAMETER:
2.25", 2.75", 3.25", 4.00", 4.62"

APPROXIMATE WEIGHT:
25, 23, 22, 19, 13 lbs.

CONNECTIONS:
-Terminals are brass studs No. 8–32 UNC with one flat washer, lockwasher, and regular nut
-Mounting kits 59-0215 (CR) and 59-0216 (CL)
-Multi-ratios available upon request

Model	112	113	114	115	117
Window Size	2.25	2.75	3.25	4.00	4.62
Width	7.00	7.00	7.00	7.00	7.00
Height	7.12	7.12	7.12	7.12	7.12
Depth	4.00	4.00	4.00	4.00	4.00

CERTIFICATIONS:

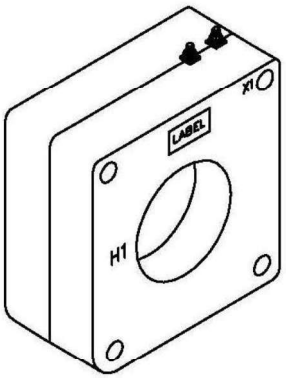
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ISO 9001 Registered Quality Management

MODEL 112
Window Diameter 2.25"
Approximate weight: 25 lbs.

CATALOG NUMBER	CURRENT RATIO	RELAY CLASS	ANSI METERING CLASS AT 60 HZ					SECONDARY WINDING RESISTANCE (OHMS @ 75°C)	CONTINUOUS THERMAL RATING FACTOR	
			B0.1	B0.2	B0.5	BO.9	B1.8		@ 30°C	@ 55°C
112-500	50:5	C10	1.2	2.4	-	-	-	0.029	2.0	2.0
112-750	75:5	C10	0.6	1.2	2.4	4.8	-	0.046	2.0	2.0
112-101	100:5	C20	0.6	0.6	2.4	2.4	4.8	0.062	2.0	2.0
112-151	150:5	C20	0.3	0.6	1.2	1.2	2.4	0.093	2.0	2.0
112-201	200:5	C50	0.3	0.3	0.3	0.6	1.2	0.124	2.0	2.0
112-251	250:5	C50	0.3	0.3	0.3	0.3	0.6	0.155	2.0	2.0
112-301	300:5	C50	0.3	0.3	0.3	0.3	0.6	0.186	2.0	2.0
112-401	400:5	C100	0.3	0.3	0.3	0.3	0.3	0.248	2.0	1.5
112-501	500:5	C100	0.3	0.3	0.3	0.3	0.3	0.341	2.0	1.5
112-601	600:5	C100	0.3	0.3	0.3	0.3	0.3	0.409	1.5	1.33
112-751	750:5	C200	0.3	0.3	0.3	0.3	0.3	0.495	1.5	1.0
112-801	800:5	C200	0.3	0.3	0.3	0.3	0.3	0.529	1.5	1.0
112-102	1000:5	C200	0.3	0.3	0.3	0.3	0.3	0.661	1.33	1.0
112-122	1200:5	C200	0.3	0.3	0.3	0.3	0.3	0.793	1.33	1.0



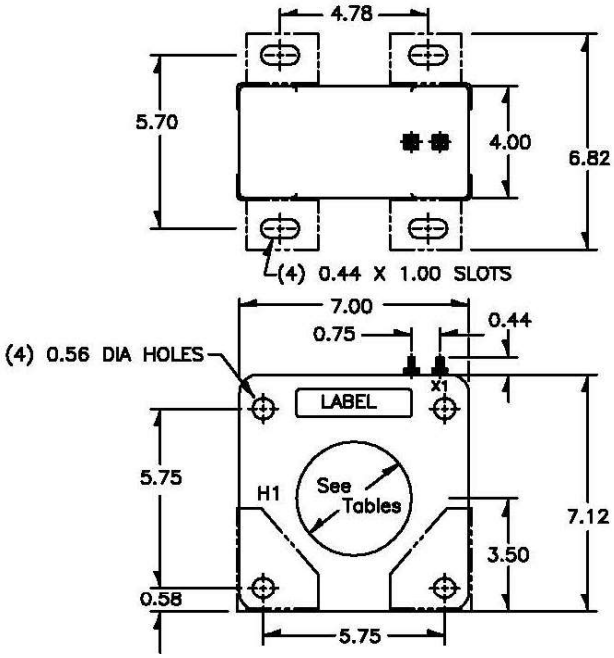
Products are manufactured in a plant whose quality management system is certified / registered as being in conformity with ISO 9001

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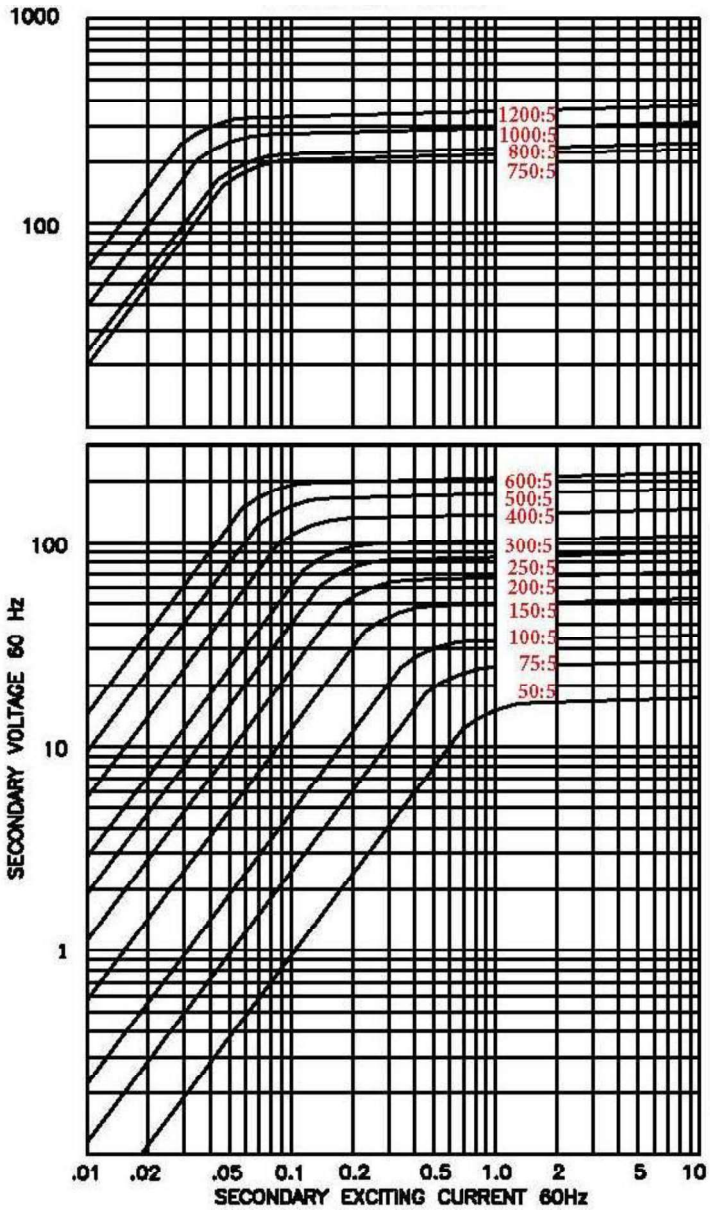
Current Transformer

Models 112, 113, 114, 115, 117

Models 112, 113, 144, 115 & 116



EXCITATION CURVE



Model 112

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Current Transformer

Models 112, 113, 114, 115, 117

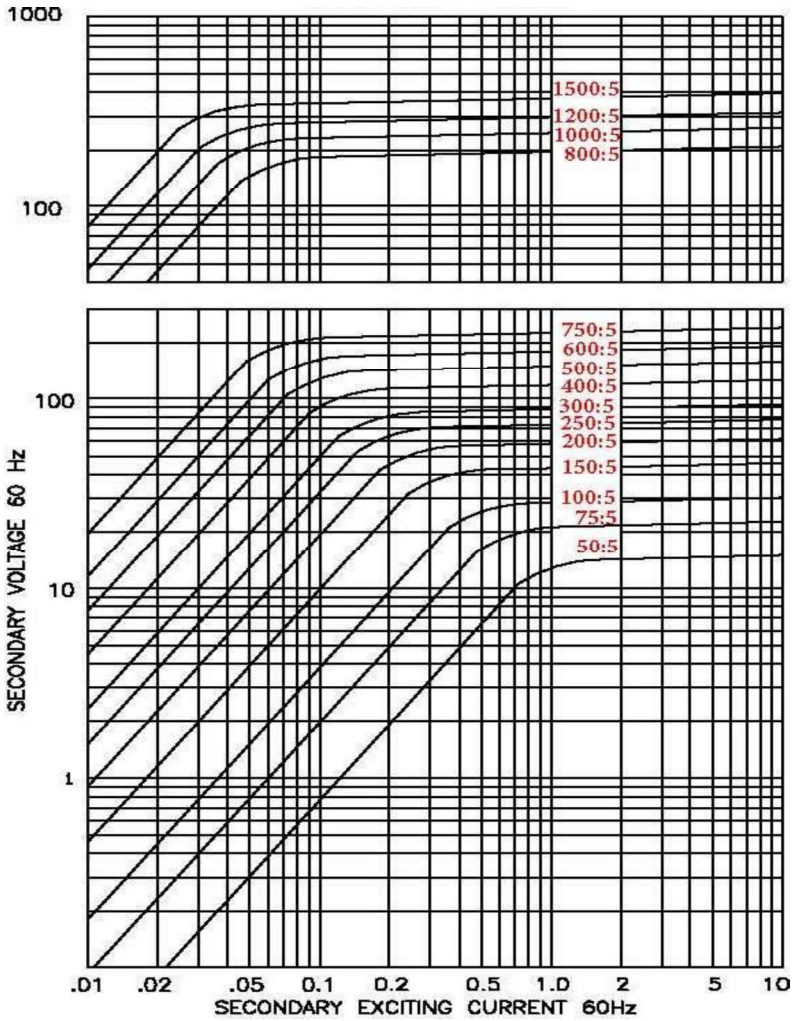
MODEL 113

Window Diameter 2.75”

Approximate weight: 23 lbs.

CATALOG NUMBER	CURRENT RATIO	RELAY CLASS	ANSI METERING CLASS AT 50 Hz					SECONDARY WINDING RESISTANCE (OHMS @ 75° C)	CONTINUOUS THERMAL RATING FACTOR	
			BO.1	BO.2	BO.5	BO.9	B1.8		@ 30° C	@ 55° C
113 – 500	50:5	C10	2.4	4.8	-	-	-	0.033	2	2
113 – 750	75:5	C10	0.6	1.2	4.8	4.8	-	0.043	2	2
113 – 101	100:5	C20	0.6	0.6	2.4	2.4	4.8	0.059	2	2
113 – 151	150:5	C20	0.3	0.3	0.6	1.2	2.4	0.089	2	2
113 – 201	200:5	C20	0.3	0.3	0.6	0.6	1.2	0.118	2	2
113 – 251	250:5	C50	0.3	0.3	0.6	0.6	1.2	0.163	2	2
113 – 301	300:5	C50	0.3	0.3	0.3	0.6	1.2	0.195	2	2
113 – 401	400:5	C100	0.3	0.3	0.3	0.3	0.6	0.260	2	1.5
113 – 501	500:5	C100	0.3	0.3	0.3	0.3	0.3	0.325	2	1.5
113 – 601	600:5	C100	0.3	0.3	0.3	0.3	0.3	0.390	1.5	1.33
113 – 751	750:5	C200	0.3	0.3	0.3	0.3	0.3	0.488	1.5	1.0
113 – 801	800:5	C200	0.3	0.3	0.3	0.3	0.3	0.503	1.5	1.0
113 – 102	1000:5	C200	0.3	0.3	0.3	0.3	0.3	0.629	1.33	1.0
113 – 122	1200:5	C200	0.3	0.3	0.3	0.3	0.3	0.755	1.33	1.0
113 – 152	1500:5	C200	0.3	0.3	0.3	0.3	0.3	0.943	1.0	0.8

EXCITATION CURVE



Model 113

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Current Transformer

Models 112, 113, 114, 115, 117

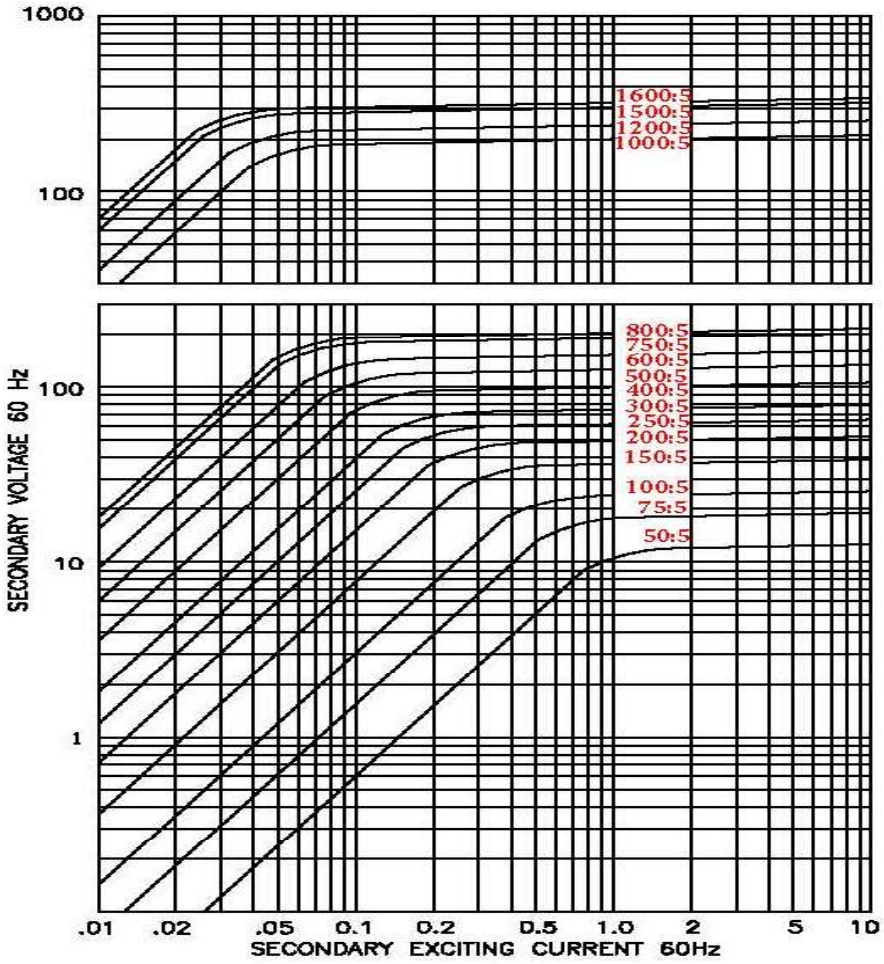
MODEL 114

Window Diameter 3.25”

Approximate weight: 22 lbs.

CATALOG NUMBER	CURRENT RATIO	RELAY CLASS	ANSI METERING CLASS AT 60 Hz					SECONDARY WINDING RESISTANCE (OHMS @ 75° C)	CONTINUOUS THERMAL RATING FACTOR	
			BO.1	BO.2	BO.5	BO.9	B1.8		@ 30° C	@ 55° C
114 – 500	50:5	-	1.2	4.8	-	-	-	0.024	2.0	2.0
114 – 750	75:5	C10	1.2	2.4	4.8	-	-	0.040	2.0	2.0
114 – 101	100:5	C10	1.2	1.2	2.4	4.8	-	0.055	2.0	2.0
114 – 151	150:5	C20	0.6	0.6	1.2	2.4	4.8	0.082	2.0	2.0
114 – 201	200:5	C20	0.3	0.3	0.6	1.2	2.4	0.112	2.0	2.0
114 – 251	250:5	C50	0.3	0.3	0.6	1.2	1.2	0.141	2.0	2.0
114 – 301	300:5	C50	0.3	0.3	0.6	0.6	1.2	0.165	2.0	2.0
114 – 401	400:5	C100	0.3	0.3	0.3	0.3	0.6	0.220	2.0	1.5
114 – 501	500:5	C100	0.3	0.3	0.3	0.3	0.6	0.267	2.0	1.5
114 – 601	600:5	C100	0.3	0.3	0.3	0.3	0.3	0.371	1.5	1.33
114 – 751	750:5	C100	0.3	0.3	0.3	0.3	0.3	0.464	1.5	1.0
114 – 801	800:5	C200	0.3	0.3	0.3	0.3	0.3	0.495	1.5	1.0
114 – 102	1000:5	C100	0.3	0.3	0.3	0.3	0.3	0.597	1.5	1.0
114 – 122	1200:5	C200	0.3	0.3	0.3	0.3	0.3	0.716	1.33	1.0
114 – 152	1500:5	C200	0.3	0.3	0.3	0.3	0.3	0.896	1.0	0.8
114 – 162	1600:5	C200	0.3	0.3	0.3	0.3	0.3	0.955	1.0	0.8

EXCITATION CURVE



Model 114

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Crompton TECHNOLOGY

Current Transformer

Models 112, 113, 114, 115, 117

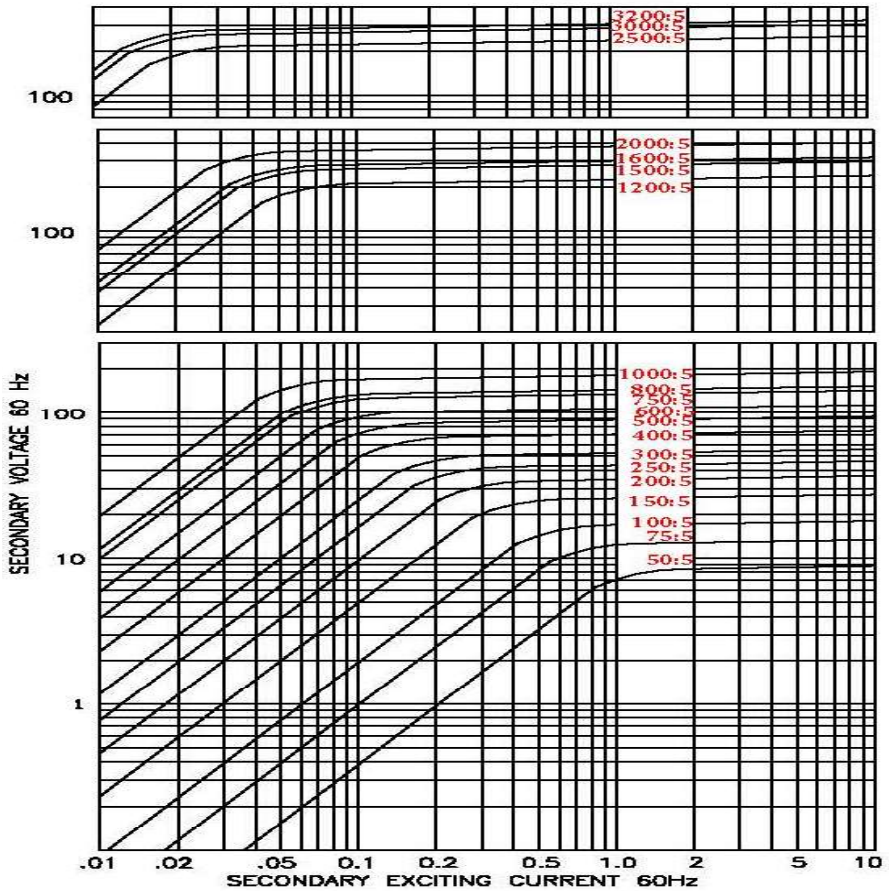
MODEL 115

Window Diameter 4.0”

Approximate weight: 19 lbs.

CATALOG NUMBER	CURRENT RATIO	RELAY CLASS	ANSI METERING CLASS AT 60 Hz					SECONDARY WINDING RESISTANCE (OHMS @ 75° C)	CONTINUOUS THERMAL RATING FACTOR	
			BO.1	BO.2	BO.5	BO.9	B1.8		@ 30° C	@ 55° C
115 – 500	50:5	-	2.4	4.8	-	-	-	0.025	2.0	2.0
115 – 750	75:5	-	1.2	2.4	4.8	-	-	0.037	2.0	2.0
115 – 101	100:5	C10	1.2	1.2	2.4	4.8	-	0.046	2.0	2.0
115 – 151	150:5	C10	0.6	0.6	1.2	2.4	4.8	0.074	2.0	2.0
115 – 201	200:5	C20	0.3	0.3	0.6	1.2	2.4	0.099	2.0	2.0
115 – 251	250:5	C20	0.3	0.3	0.6	1.2	2.4	0.127	2.0	2.0
115 – 301	300:5	C20	0.3	0.3	0.3	0.6	1.2	0.148	2.0	2.0
115 – 401	400:5	C50	0.3	0.3	0.3	0.3	0.6	0.208	2.0	2.0
115 – 501	500:5	C50	0.3	0.3	0.3	0.3	0.3	0.247	2.0	1.5
115 – 601	600:5	C50	0.3	0.3	0.3	0.3	0.3	0.305	2.0	1.5
115 – 751	750:5	C100	0.3	0.3	0.3	0.3	0.3	0.428	1.5	1.33
115 – 801	800:5	C100	0.3	0.3	0.3	0.3	0.3	0.457	1.5	1.0
115 – 102	1000:5	C100	0.3	0.3	0.3	0.3	0.3	0.571	1.5	1.0
115 – 122	1200:5	C100	0.3	0.3	0.3	0.3	0.3	0.660	1.33	1.0
115 – 152	1500:5	C100	0.3	0.3	0.3	0.3	0.3	0.825	1.0	0.8
115 – 162	1600:5	C100	0.3	0.3	0.3	0.3	0.3	0.880	1.0	0.8
115 – 202	2000:5	C200	0.3	0.3	0.3	0.3	0.3	1.100	1.0	0.8
115 – 252	2500:5	C100	0.3	0.3	0.3	0.3	0.3	1.292	1.0	0.8
115 – 302	3000:5	C200	0.3	0.3	0.3	0.3	0.3	1.550	0.8	0.6
115 – 322	3200:5	C200	0.3	0.3	0.3	0.3	0.3	1.653	0.8	0.6

EXCITATION CURVE



MODEL 115

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Current Transformer

Models 112, 113, 114, 115, 117

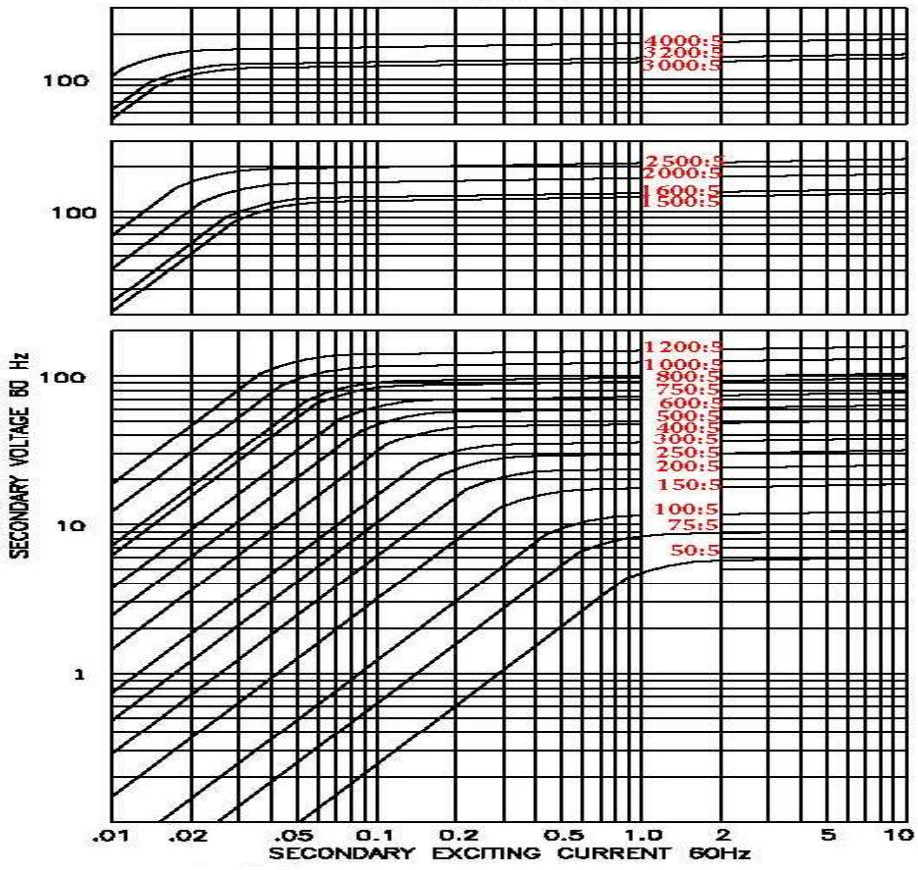
MODEL 117

Window Diameter 4.62”

Approximate weight: 13 lbs.

CATALOG NUMBER	CURRENT RATIO	RELAY CLASS	ANSI METERING CLASS AT 60 Hz					SECONDARY WINDING RESISTANCE (OHMS @ 75° C)	CONTINUOUS THERMAL RATING FACTOR	
			BO.1	BO.2	BO.5	BO.9	B1.8		@ 30° C	@ 55° C
117 – 500	50:5	-	2.4	-	-	-	-	0.015	2.0	2.0
117 – 750	75:5	-	2.4	2.4	-	-	-	0.024	2.0	2.0
117 – 101	100:5	-	1.2	2.4	4.8	-	-	0.043	2.0	2.0
117 – 151	150:5	C10	0.6	0.6	2.4	4.8	4.8	0.069	2.0	2.0
117 – 201	200:5	C10	0.6	0.6	1.2	2.4	4.8	0.085	2.0	2.0
117 – 251	250:5	C20	0.6	0.6	0.6	1.2	2.4	0.106	2.0	2.0
117 – 301	300:5	C20	0.3	0.3	0.6	1.2	2.4	0.145	2.0	2.0
117 – 401	400:5	C20	0.3	0.3	0.3	0.6	1.2	0.184	2.0	2.0
117 – 501	500:5	C20	0.3	0.3	0.3	0.3	0.6	0.236	2.0	1.5
117 – 601	600:5	C20	0.3	0.3	0.3	0.3	0.6	0.283	2.0	1.5
117 – 751	750:5	C50	0.3	0.3	0.3	0.3	0.3	0.354	1.5	1.33
117 – 801	800:5	C50	0.3	0.3	0.3	0.3	0.3	0.425	1.5	1.33
117 – 102	1000:5	C50	0.3	0.3	0.3	0.3	0.3	0.531	1.5	1.0
117 – 122	1200:5	C100	0.3	0.3	0.3	0.3	0.3	0.637	1.33	1.0
117 – 152	1500:5	C50	0.3	0.3	0.3	0.3	0.3	0.768	1.33	1.0
117 – 162	1600:5	C50	0.3	0.3	0.3	0.3	0.3	0.819	1.0	0.8
117 – 202	2000:5	C50	0.3	0.3	0.3	0.3	0.3	1.024	1.0	0.6
117 – 252	2500:5	C100	0.3	0.3	0.3	0.3	0.3	1.279	1.0	0.6
117 – 302	3000:5	-	0.3	0.3	0.3	0.3	0.3	1.428	1.0	0.6
117 – 322	3200:5	-	0.3	0.3	0.3	0.3	0.3	1.523	1.0	0.6
117 – 402	4000:5	-	0.3	0.3	0.3	0.3	0.3	2.385	0.8	0.6

EXCITATION CURVE



Model 117

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