



MARCUS

Marcus Transformer LTD
 Phone: 1-800-267-7376
 Fax: 1-866-205-7526
 Email: Info@marcustransformer.com

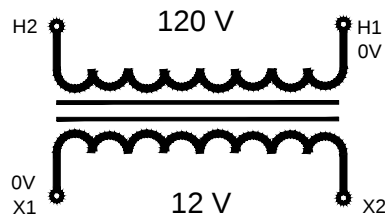
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

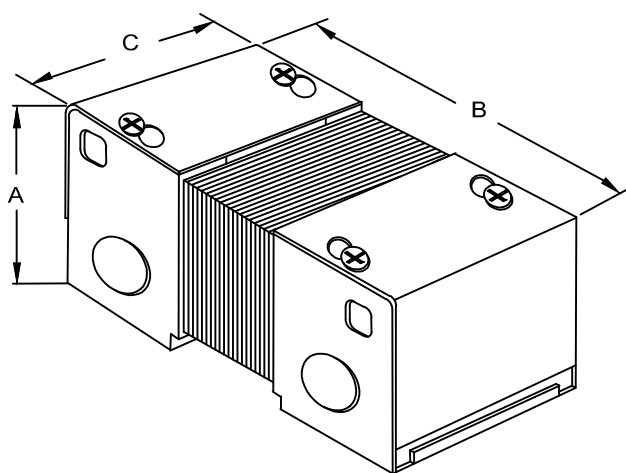
MODEL	MC500A
Type	Enclosed, Indoor application
VA	500
Primary (Volts)	120
Secondary (Volts)	12
Input /Output Amps	4.17 / 41.67
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

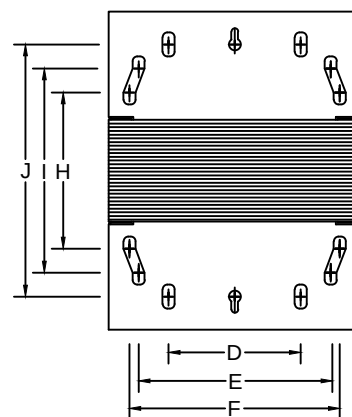
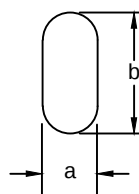


WIRING CONNECTION

PRIMARY :	
VOLTS 120	CONNECT LINES TO : H1-H2
SECONDARY :	
VOLTS 12	CONNECT LINES TO : X1-X2



LETTER	MOUNTING SLOTS INCHES / MM a b
V	0.30 x 0.560 7.6 x 14.2



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
500	4.70 119.4	6.63 168.4	5.25 133.4	2.75 69.9	4.00 101.6	4.38 111.3		3.25(V) 82.6	4.25(V) 108.0	5.25(V) 133.4				14.50 6.6



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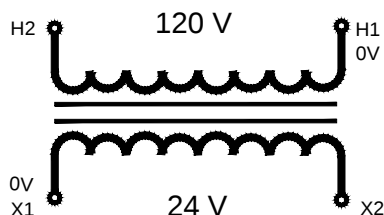
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

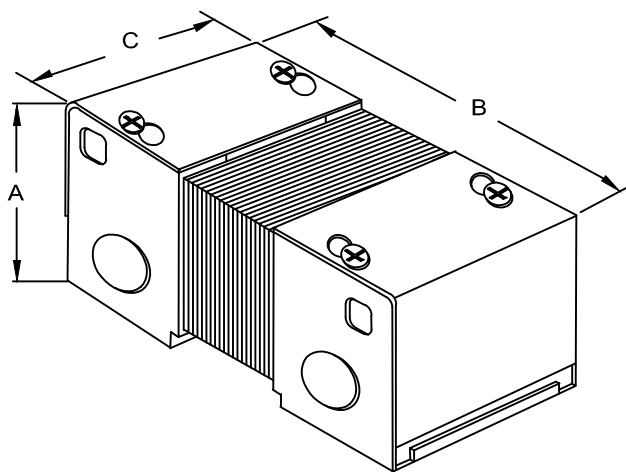
MODEL	MC500B
Type	Enclosed, Indoor application
VA	500
Primary (Volts)	120
Secondary (Volts)	24
Input / Output Amps	4.17 / 20.83
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

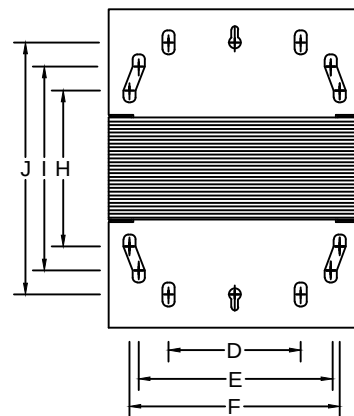
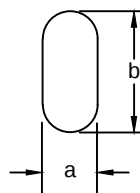


WIRING CONNECTION

PRIMARY :	
VOLTS 120	CONNECT LINES TO : H1-H2
SECONDARY :	
VOLTS 24	CONNECT LINES TO : X1-X2



LETTER	MOUNTING SLOTS INCHES / MM a b
V	0.30 x 0.560 7.6 x 14.2



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
500	4.70 119.4	6.63 168.4	5.25 133.4	2.75 69.9	4.00 101.6	4.38 111.3		3.25(V) 82.6	4.25(V) 108.0	5.25(V) 133.4				14.50 6.6



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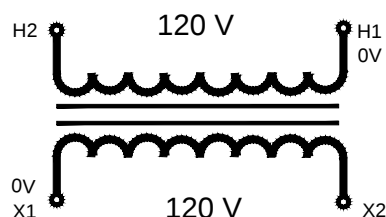
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

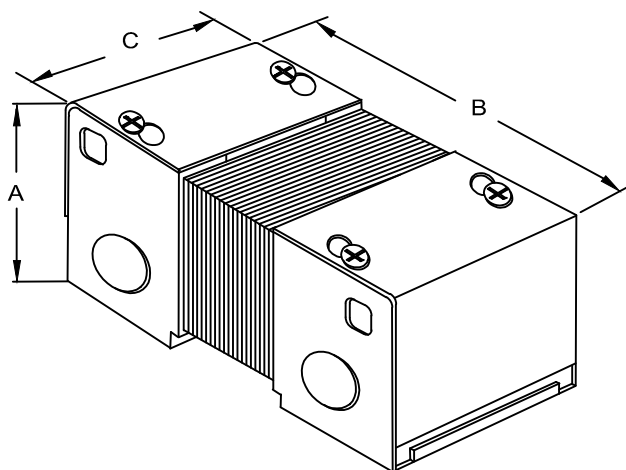
MODEL	MC500C
Type	Enclosed, Indoor application
VA	500
Primary (Volts)	120
Secondary (Volts)	120
Input /Output Amps	4.17 / 4.17
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

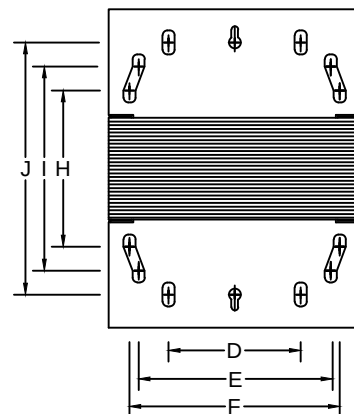
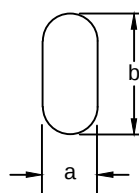


WIRING CONNECTION

PRIMARY :	
VOLTS 120	CONNECT LINES TO : H1-H2
SECONDARY :	
VOLTS 120	CONNECT LINES TO : X1-X2



LETTER	MOUNTING SLOTS INCHES / MM a b
V	0.30 x 0.560 7.6 x 14.2



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
500	4.70 119.4	6.63 168.4	5.25 133.4	2.75 69.9	4.00 101.6	4.38 111.3		3.25(V) 82.6	4.25(V) 108.0	5.25(V) 133.4				14.50 6.6



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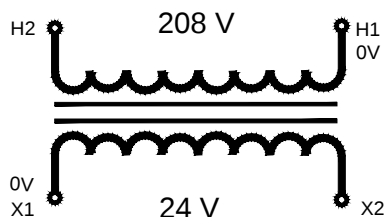
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

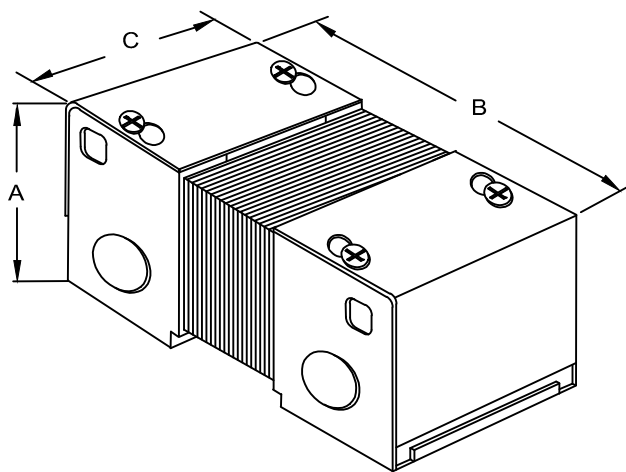
MODEL	MC500D
Type	Enclosed, Indoor application
VA	500
Primary (Volts)	208
Secondary (Volts)	24
Input / Output Amps	2.40 / 20.83
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

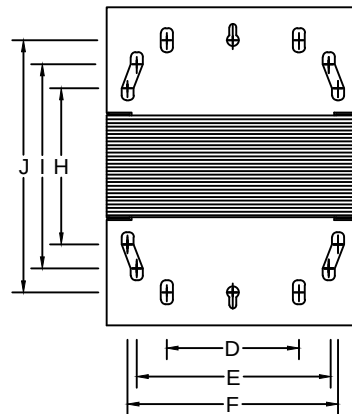
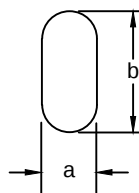


WIRING CONNECTION

PRIMARY :	
VOLTS 208	CONNECT LINES TO : H1-H2
SECONDARY :	
VOLTS 24	CONNECT LINES TO : X1-X2



LETTER	MOUNTING SLOTS INCHES / MM a b
V	0.30 x 0.560 7.6 x 14.2



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
500	4.70 119.4	6.63 168.4	5.25 133.4	2.75 69.9	4.00 101.6	4.38 111.3		3.25(V) 82.6	4.25(V) 108.0	5.25(V) 133.4				14.50 6.6



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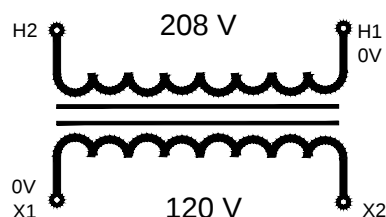
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

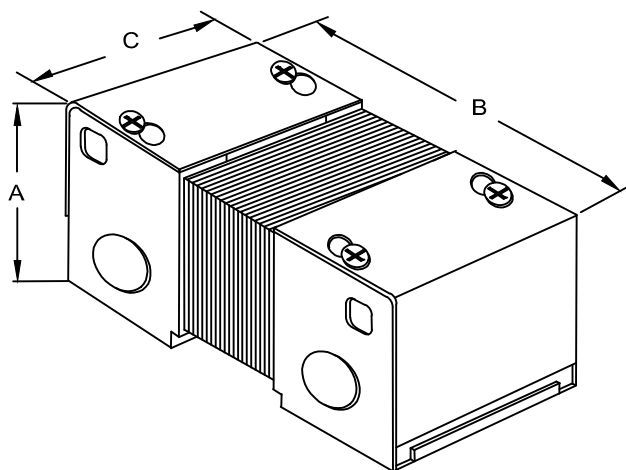
MODEL	MC500E
Type	Enclosed, Indoor application
VA	500
Primary (Volts)	208
Secondary (Volts)	120
Input / Output Amps	2.40 / 4.17
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

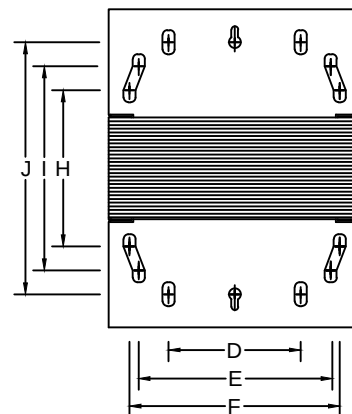
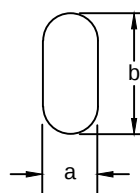


WIRING CONNECTION

PRIMARY :	
VOLTS 208	CONNECT LINES TO : H1-H2
SECONDARY :	
VOLTS 120	CONNECT LINES TO : X1-X2



LETTER	MOUNTING SLOTS INCHES / MM a b
V	0.30 x 0.560 7.6 x 14.2



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
500	4.70 119.4	6.63 168.4	5.25 133.4	2.75 69.9	4.00 101.6	4.38 111.3		3.25(V) 82.6	4.25(V) 108.0	5.25(V) 133.4				14.50 6.6



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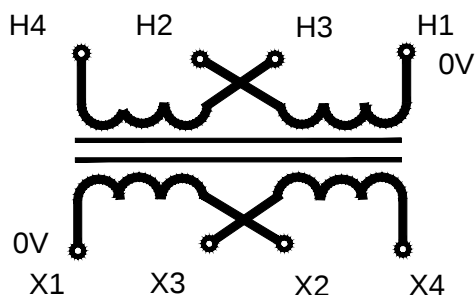
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

MODEL	MC500F
Type	Enclosed, Indoor application
VA	500
Primary (Volts)	120 / 240
Secondary (Volts)	12 / 24
Input / Output Amps	4.17 , 2.08 / 41.67 , 20.83
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM



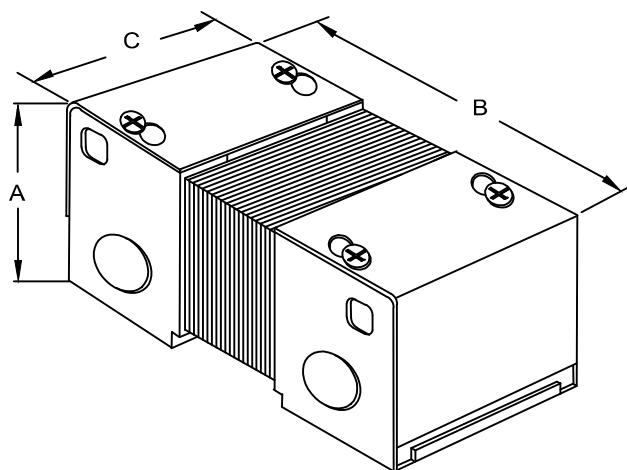
WIRING CONNECTION

PRIMARY :

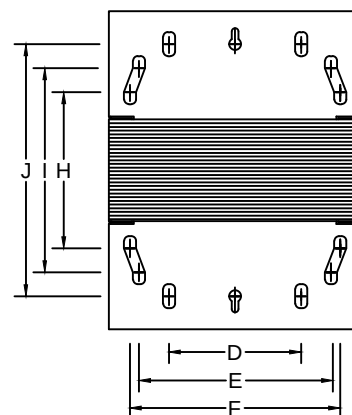
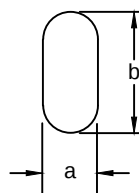
VOLTS	INTERCONNECT:	CONNECT LINES TO :
120	H1-H3 AND H2-H4	H1-H4
240	H2-H3	H1-H4

SECONDARY :

VOLTS	INTERCONNECT:	CONNECT LINES TO :
12	X1-X3 AND X2-X4	X1-X4
24	X2-X3	X1-X4



LETTER	MOUNTING SLOTS INCHES / MM a b
V	0.30 x 0.560 7.6 x 14.2



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
500	4.70 119.4	6.63 168.4	5.25 133.4	2.75 69.9	4.00 101.6	4.38 111.3		3.25(V) 82.6	4.25(V) 108.0	5.25(V) 133.4				14.50 6.6



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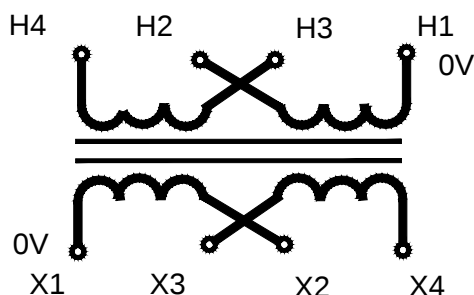
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

MODEL	MC500G
Type	Enclosed, Indoor application
VA	500
Primary (Volts)	120 / 240
Secondary (Volts)	16 / 32
Input /Output Amps	4.17 , 2.08 / 31.25 , 15.63
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM



WIRING CONNECTION

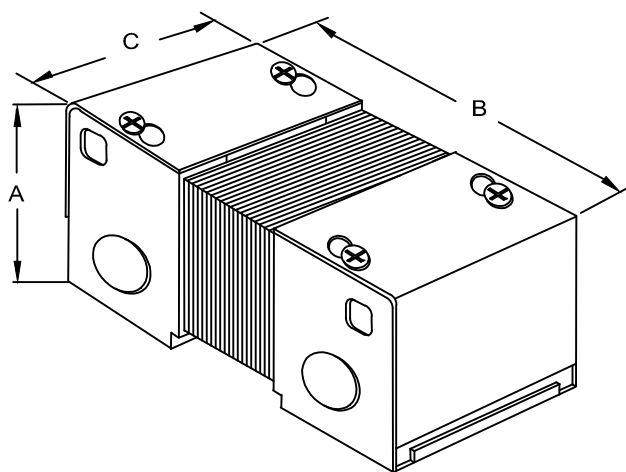
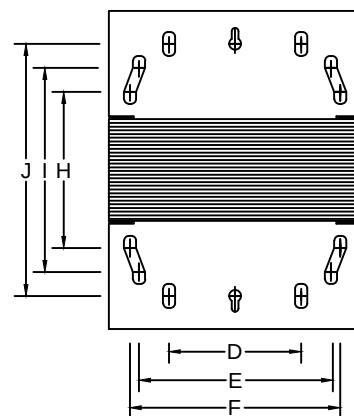
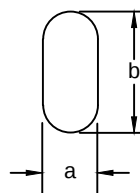
PRIMARY :

VOLTS	INTERCONNECT:	CONNECT LINES TO :
120	H1-H3 AND H2-H4	H1-H4
240	H2-H3	H1-H4

SECONDARY :

VOLTS	INTERCONNECT:	CONNECT LINES TO :
16	X1-X3 AND X2-X4	X1-X4
32	X2-X3	X1-X4

LETTER	MOUNTING SLOTS INCHES / MM a b
V	0.30 x 0.560 7.6 x 14.2



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
500	4.70 119.4	6.63 168.4	5.25 133.4	2.75 69.9	4.00 101.6	4.38 111.3		3.25(V) 82.6	4.25(V) 108.0	5.25(V) 133.4				14.50 6.6



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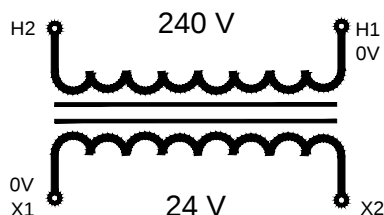
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

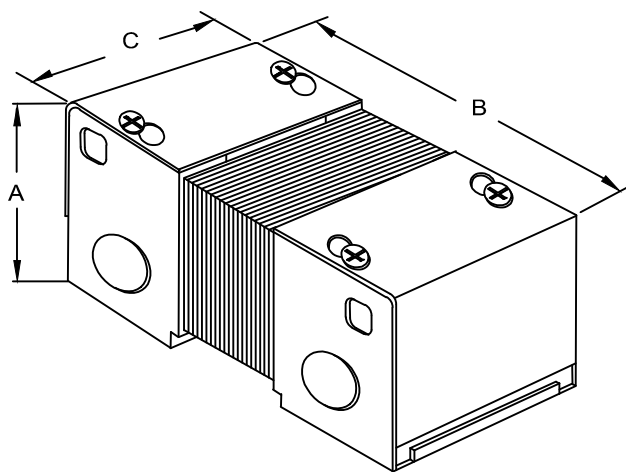
MODEL	MC500H
Type	Enclosed, Indoor application
VA	500
Primary (Volts)	240
Secondary (Volts)	24
Input / Output Amps	2.08 / 20.83
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

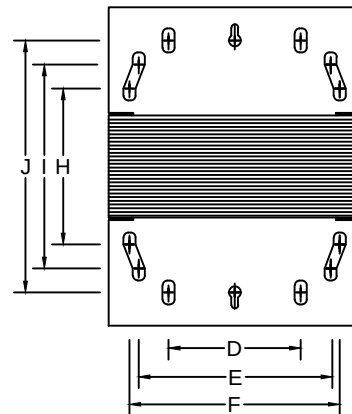
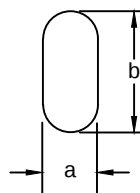


WIRING CONNECTION

PRIMARY :	
VOLTS 240	CONNECT LINES TO : H1-H2
SECONDARY :	
VOLTS 24	CONNECT LINES TO : X1-X2



LETTER	MOUNTING SLOTS INCHES / MM a b
V	0.30 x 0.560 7.6 x 14.2



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
500	4.70 119.4	6.63 168.4	5.25 133.4	2.75 69.9	4.00 101.6	4.38 111.3		3.25(V) 82.6	4.25(V) 108.0	5.25(V) 133.4				14.50 6.6



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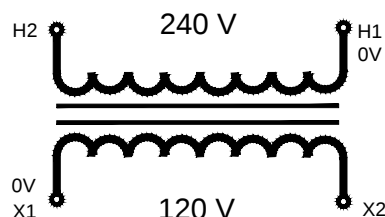
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

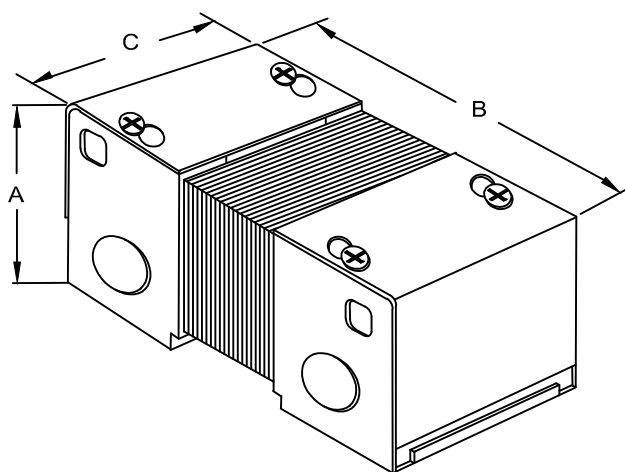
MODEL	MC500I
Type	Enclosed, Indoor application
VA	500
Primary (Volts)	240
Secondary (Volts)	120
Input /Output Amps	2.08 / 4.17
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

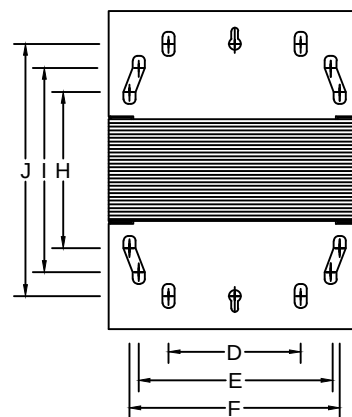
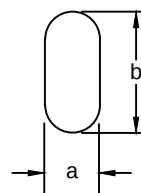


WIRING CONNECTION

PRIMARY :	
VOLTS 240	CONNECT LINES TO : H1-H2
SECONDARY :	
VOLTS 120	CONNECT LINES TO : X1-X2



LETTER	MOUNTING SLOTS INCHES / MM a b
V	0.30 x 0.560 7.6 x 14.2



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
500	4.70 119.4	6.63 168.4	5.25 133.4	2.75 69.9	4.00 101.6	4.38 111.3		3.25(V) 82.6	4.25(V) 108.0	5.25(V) 133.4				14.50 6.6



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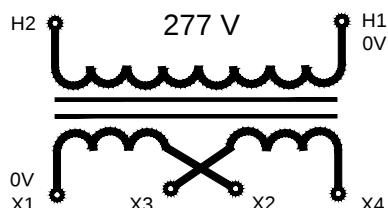
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

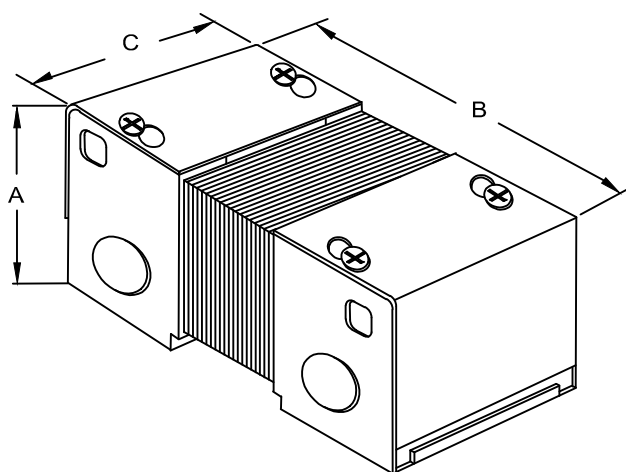
MODEL	MC500J
Type	Enclosed, Indoor application
VA	500
Primary (Volts)	277
Secondary (Volts)	120 / 240
Input /Output Amps	1.81 / 4.17 , 2.08
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

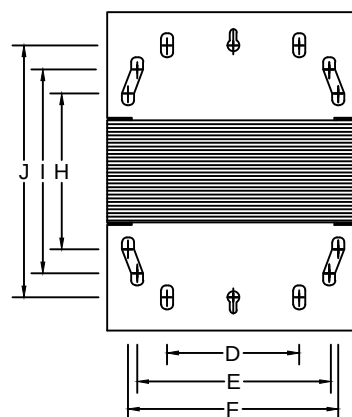
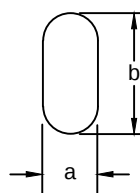


WIRING CONNECTION

PRIMARY :		
VOLTS 277	CONNECT LINES TO : H1-H2	
SECONDARY :		
VOLTS 120 240 120/240	INTERCONNECT: X1-X3 AND X2-X4 X2-X3 X2-X3	CONNECT LINES TO : X1-X4 X1-X4 X1-X3-X4



LETTER	MOUNTING SLOTS INCHES / MM a b
V	0.30 x 0.560 7.6 x 14.2



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
500	4.70 119.4	6.63 168.4	5.25 133.4	2.75 69.9	4.00 101.6	4.38 111.3		3.25(V) 82.6	4.25(V) 108.0	5.25(V) 133.4				14.50 6.6



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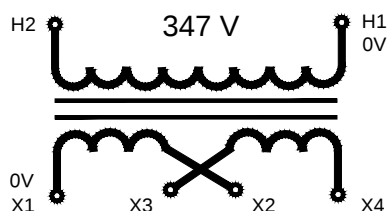
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

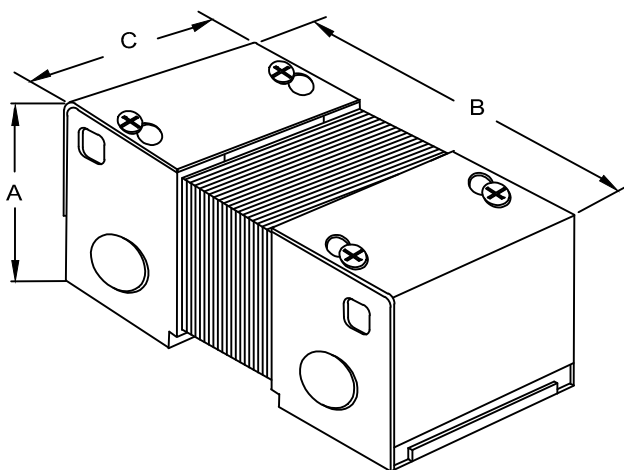
MODEL	MC500K
Type	Enclosed, Indoor application
VA	500
Primary (Volts)	347
Secondary (Volts)	120 / 240
Input / Output Amps	1.44 / 4.17 , 2.08
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

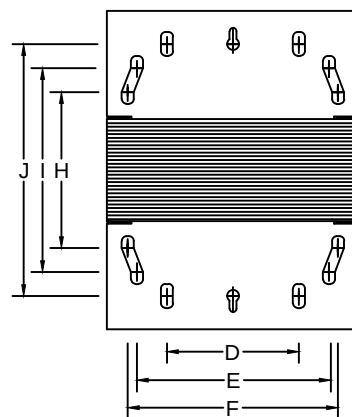
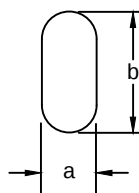


WIRING CONNECTION

PRIMARY :		
VOLTS 347	CONNECT LINES TO : H1-H2	
SECONDARY :		
VOLTS 120 240 120/240	INTERCONNECT: X1-X3 AND X2-X4 X2-X3 X2-X3	CONNECT LINES TO : X1-X4 X1-X4 X1-X3-X4



LETTER	MOUNTING SLOTS INCHES / MM
	a b
V	0.30 x 0.560 7.6 x 14.2



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
500	4.70 119.4	6.63 168.4	5.25 133.4	2.75 69.9	4.00 101.6	4.38 111.3		3.25(V) 82.6	4.25(V) 108.0	5.25(V) 133.4				14.50 6.6



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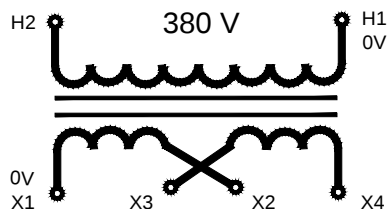
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

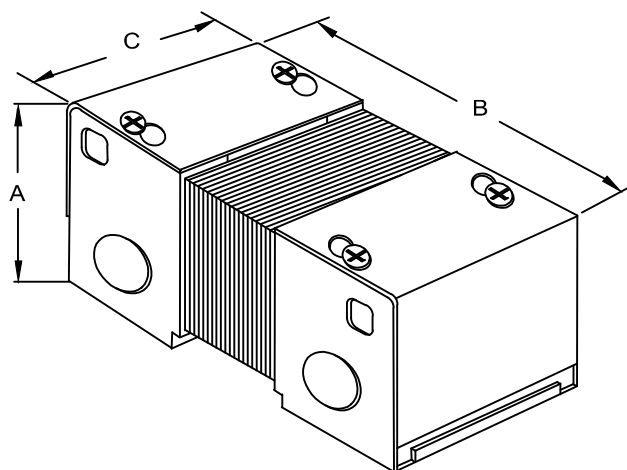
MODEL	MC500L
Type	Enclosed, Indoor application
VA	500
Primary (Volts)	380
Secondary (Volts)	120 / 240
Input /Output Amps	1.32 / 4.17 , 2.08
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

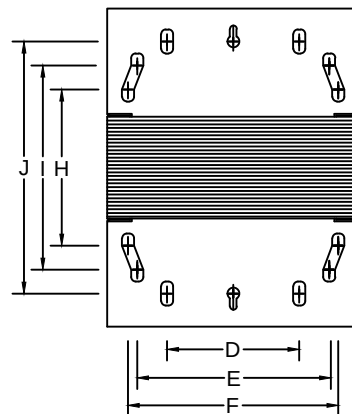
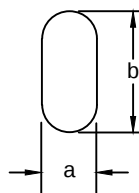


WIRING CONNECTION

PRIMARY :		
VOLTS 380	CONNECT LINES TO : H1-H2	
SECONDARY :		
VOLTS 120 240 120/240	INTERCONNECT: X1-X3 AND X2-X4 X2-X3 X2-X3	CONNECT LINES TO : X1-X4 X1-X4 X1-X3-X4



LETTER	MOUNTING SLOTS INCHES / MM
	a b
V	0.30 x 0.560 7.6 x 14.2



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
500	4.70 119.4	6.63 168.4	5.25 133.4	2.75 69.9	4.00 101.6	4.38 111.3		3.25(V) 82.6	4.25(V) 108.0	5.25(V) 133.4				14.50 6.6



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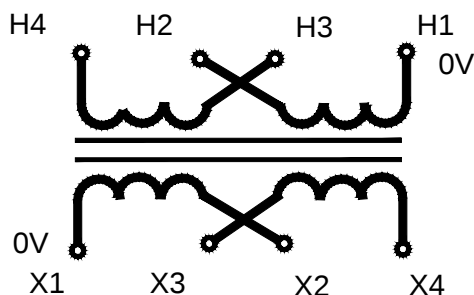
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

MODEL	MC500M
Type	Enclosed, Indoor application
VA	500
Primary (Volts)	208 / 416
Secondary (Volts)	12 / 24
Input / Output Amps	2.40 , 1.20 / 41.67 , 20.83
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM



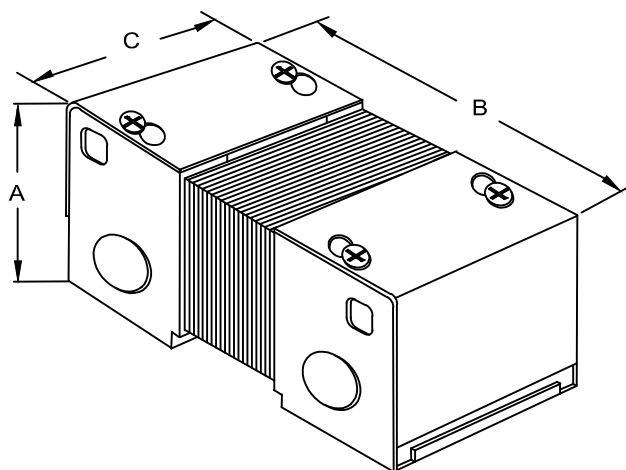
WIRING CONNECTION

PRIMARY :

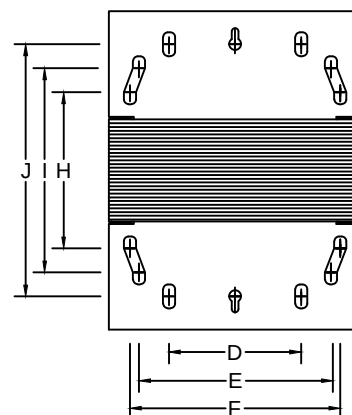
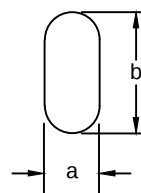
VOLTS	INTERCONNECT:	CONNECT LINES TO :
208	H1-H3 AND H2-H4	H1-H4
416	H2-H3	H1-H4

SECONDARY :

VOLTS	INTERCONNECT:	CONNECT LINES TO :
12	X1-X3 AND X2-X4	X1-X4
24	X2-X3	X1-X4



LETTER	MOUNTING SLOTS INCHES / MM a b
V	0.30 x 0.560 7.6 x 14.2



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
500	4.70 119.4	6.63 168.4	5.25 133.4	2.75 69.9	4.00 101.6	4.38 111.3		3.25(V) 82.6	4.25(V) 108.0	5.25(V) 133.4				14.50 6.6



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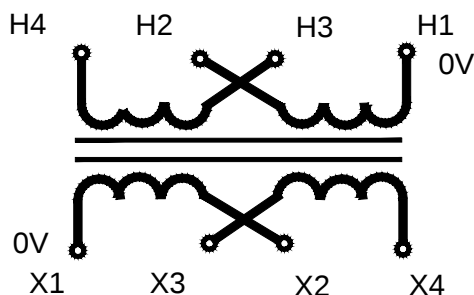
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

MODEL	MC500N
Type	Enclosed, Indoor application
VA	500
Primary (Volts)	208 / 416
Secondary (Volts)	120 / 240
Input / Output Amps	2.40 , 1.20 / 4.17 , 2.08
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM



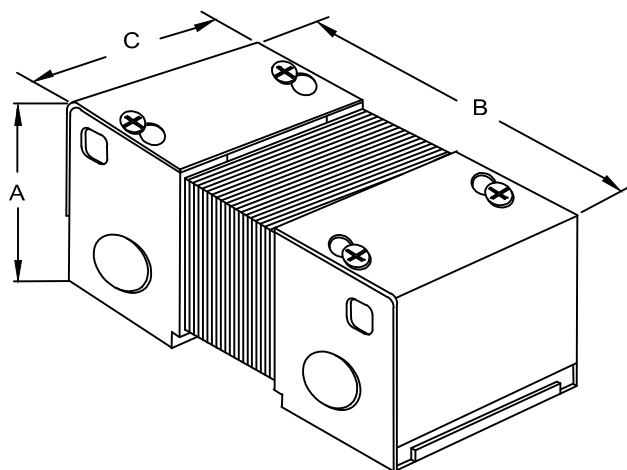
WIRING CONNECTION

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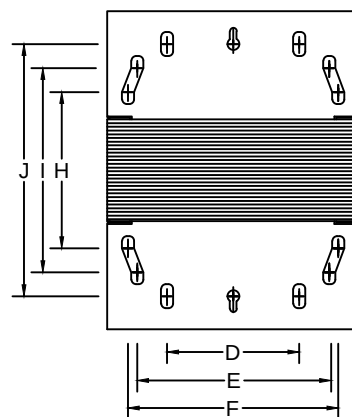
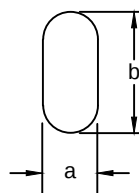
VOLTS	INTERCONNECT:	CONNECT LINES TO :
208	H1-H3 AND H2-H4	H1-H4
416	H2-H3	H1-H4

SECONDARY :

VOLTS	INTERCONNECT:	CONNECT LINES TO :
120	X1-X3 AND X2-X4	X1-X4
240	X2-X3	X1-X4



LETTER	MOUNTING SLOTS INCHES / MM a b
V	0.30 x 0.560 7.6 x 14.2



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
500	4.70 119.4	6.63 168.4	5.25 133.4	2.75 69.9	4.00 101.6	4.38 111.3		3.25(V) 82.6	4.25(V) 108.0	5.25(V) 133.4				14.50 6.6



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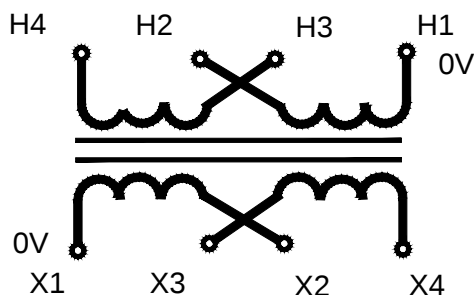
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

MODEL	MC5000
Type	Enclosed, Indoor application
VA	500
Primary (Volts)	240 / 480
Secondary (Volts)	120 / 240
Input / Output Amps	2.08 , 1.04 / 4.17 , 2.08
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM



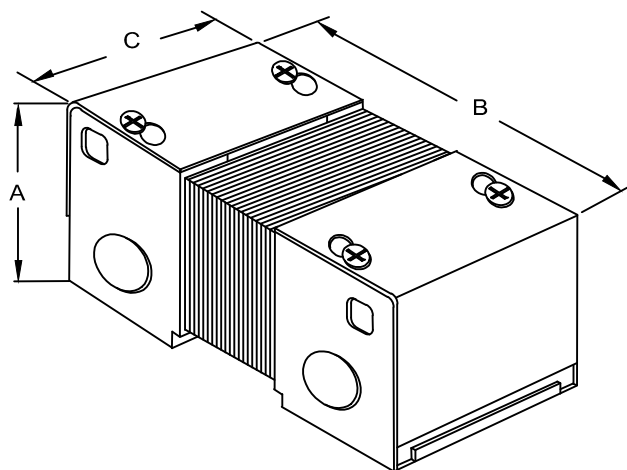
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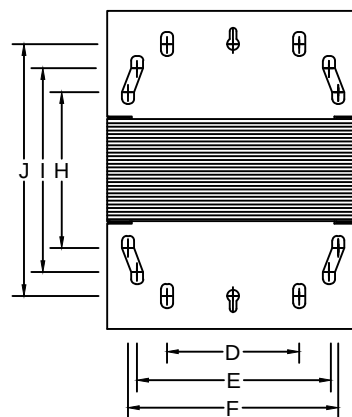
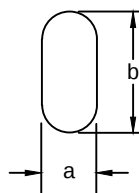
VOLTS	INTERCONNECT:	CONNECT LINES TO :
240	H1-H3 AND H2-H4	H1-H4
480	H2-H3	H1-H4

SECONDARY :

VOLTS	INTERCONNECT:	CONNECT LINES TO :
120	X1-X3 AND X2-X4	X1-X4
240	X2-X3	X1-X4



LETTER	MOUNTING SLOTS INCHES / MM a b
V	0.30 x 0.560 7.6 x 14.2



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
500	4.70 119.4	6.63 168.4	5.25 133.4	2.75 69.9	4.00 101.6	4.38 111.3		3.25(V) 82.6	4.25(V) 108.0	5.25(V) 133.4				14.50 6.6



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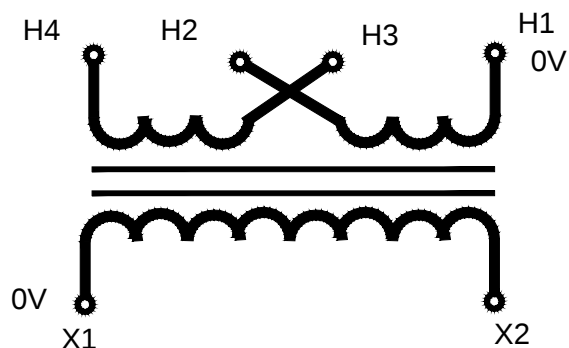
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

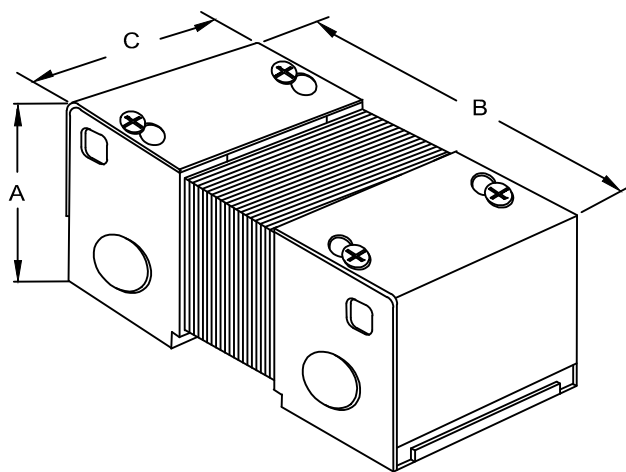
MODEL	MC500P
Type	Enclosed, Indoor application
VA	500
Primary (Volts)	240 / 480
Secondary (Volts)	24
Input / Output Amps	2.08 , 1.04 / 20.83
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

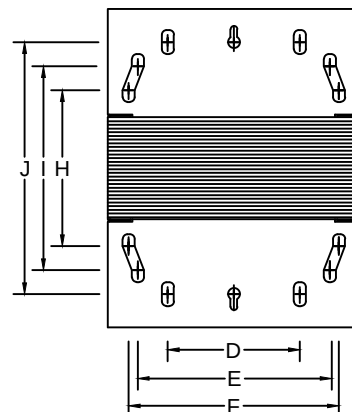
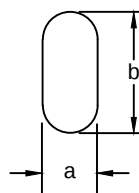


WIRING CONNECTION

PRIMARY :		
VOLTS	INTERCONNECT:	CONNECT LINES TO :
240	H1-H3 AND H2-H4	H1-H4
480	H2-H3	H1-H4
SECONDARY :		
VOLTS	CONNECT LINES TO :	
24	X1-X4	



LETTER	MOUNTING SLOTS INCHES / MM
	a b
V	0.30 x 0.560 7.6 x 14.2



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
500	4.70 119.4	6.63 168.4	5.25 133.4	2.75 69.9	4.00 101.6	4.38 111.3		3.25(V) 82.6	4.25(V) 108.0	5.25(V) 133.4				14.50 6.6



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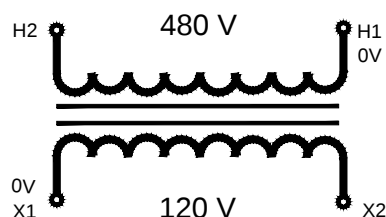
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

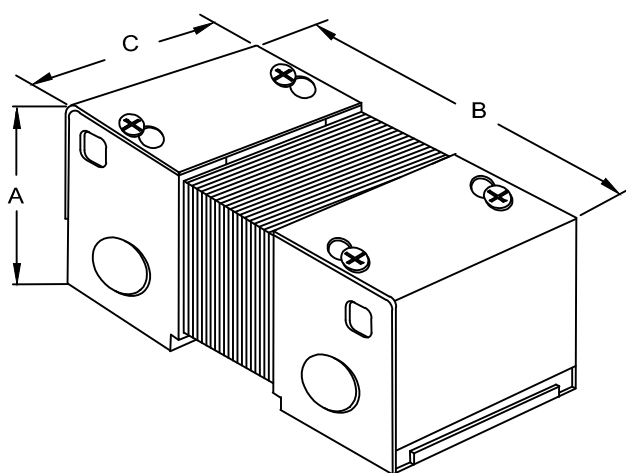
MODEL	MC500Q
Type	Enclosed, Indoor application
VA	500
Primary (Volts)	480
Secondary (Volts)	120
Input / Output Amps	1.04 / 4.17
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

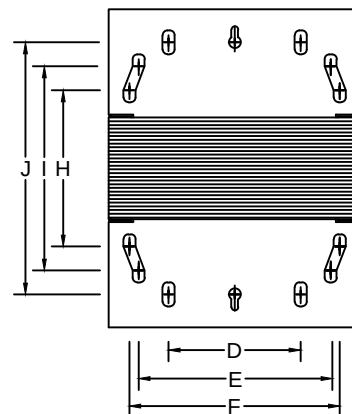
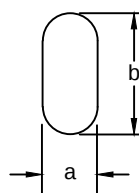


WIRING CONNECTION

PRIMARY :	
VOLTS 480	CONNECT LINES TO : H1-H2
SECONDARY :	
VOLTS 120	CONNECT LINES TO : X1-X2



LETTER	MOUNTING SLOTS INCHES / MM a b
V	0.30 x 0.560 7.6 x 14.2



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
500	4.70 119.4	6.63 168.4	5.25 133.4	2.75 69.9	4.00 101.6	4.38 111.3		3.25(V) 82.6	4.25(V) 108.0	5.25(V) 133.4				14.50 6.6



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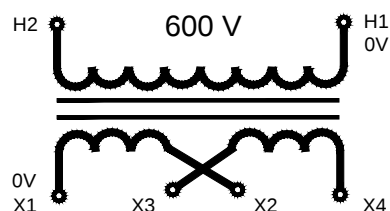
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

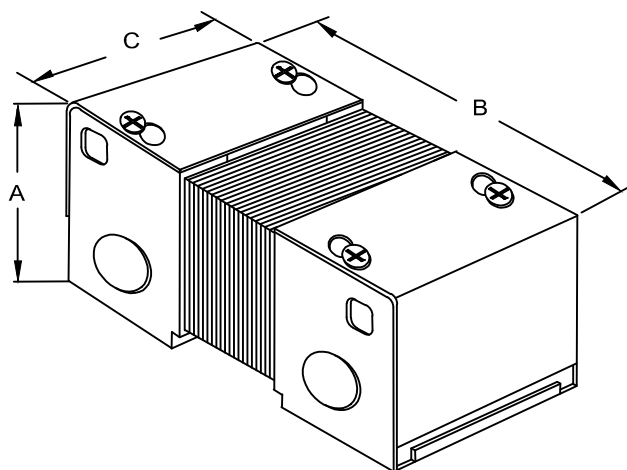
MODEL	MC500R
Type	Enclosed, Indoor application
VA	500
Primary (Volts)	600
Secondary (Volts)	12 / 24
Input / Output Amps	0.83 / 41.67 , 20.83
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

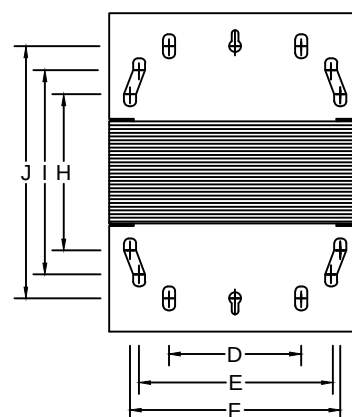
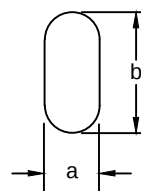


WIRING CONNECTION

PRIMARY :		
VOLTS 600	CONNECT LINES TO : H1-H2	
SECONDARY :		
VOLTS 12	INTERCONNECT: X1-X3 AND X2-X4	CONNECT LINES TO : X1-X4
24	X2-X3	X1-X4
12/24	X2-X3	X1-X3-X4



LETTER	MOUNTING SLOTS INCHES / MM a b
V	0.30 x 0.560 7.6 x 14.2



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
500	4.70 119.4	6.63 168.4	5.25 133.4	2.75 69.9	4.00 101.6	4.38 111.3		3.25(V) 82.6	4.25(V) 108.0	5.25(V) 133.4				14.50 6.6



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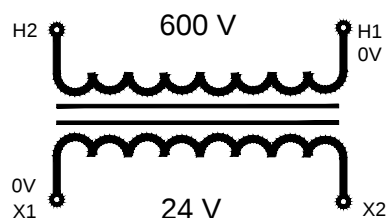
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

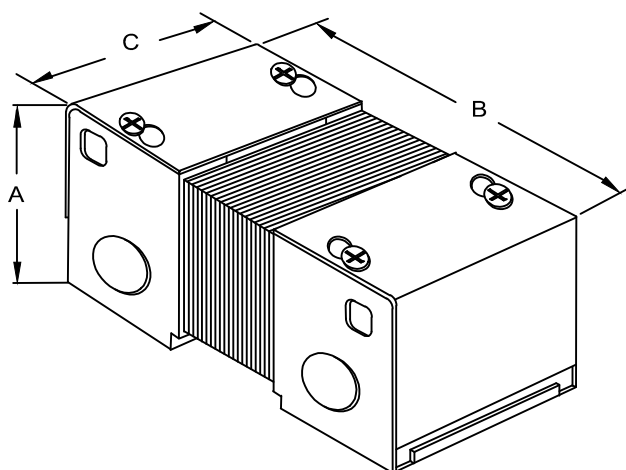
MODEL	MC500S
Type	Enclosed, Indoor application
VA	500
Primary (Volts)	600
Secondary (Volts)	24
Input /Output Amps	0.83 / 20.83
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

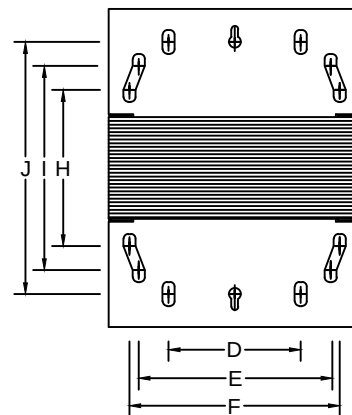
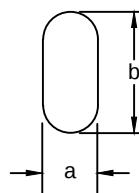


WIRING CONNECTION

PRIMARY :	
VOLTS 600	CONNECT LINES TO : H1-H2
SECONDARY :	
VOLTS 24	CONNECT LINES TO : X1-X2



LETTER	MOUNTING SLOTS INCHES / MM a b
V	0.30 x 0.560 7.6 x 14.2



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
500	4.70 119.4	6.63 168.4	5.25 133.4	2.75 69.9	4.00 101.6	4.38 111.3		3.25(V) 82.6	4.25(V) 108.0	5.25(V) 133.4				14.50 6.6



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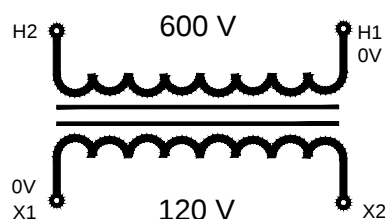
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

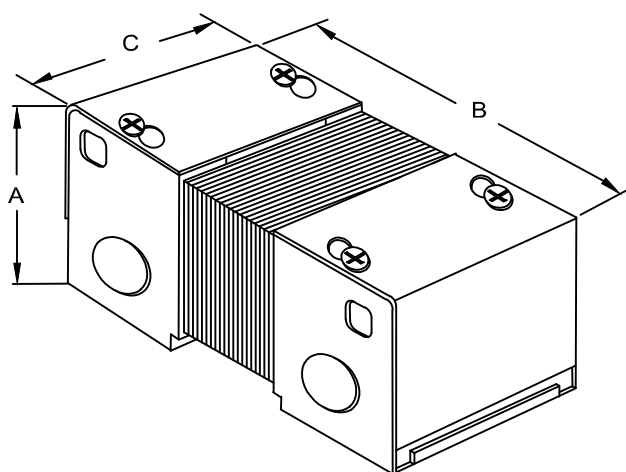
MODEL	MC500T
Type	Enclosed, Indoor application
VA	500
Primary (Volts)	600
Secondary (Volts)	120
Input /Output Amps	0.83 / 4.17
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

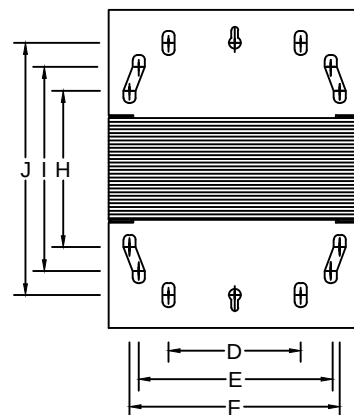
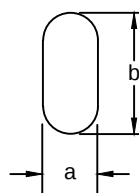


WIRING CONNECTION

PRIMARY :	
VOLTS 600	CONNECT LINES TO : H1-H2
SECONDARY :	
VOLTS 120	CONNECT LINES TO : X1-X2



LETTER	MOUNTING SLOTS INCHES / MM a b
V	0.30 x 0.560 7.6 x 14.2



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
500	4.70 119.4	6.63 168.4	5.25 133.4	2.75 69.9	4.00 101.6	4.38 111.3		3.25(V) 82.6	4.25(V) 108.0	5.25(V) 133.4				14.50 6.6



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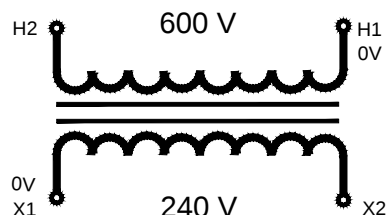
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

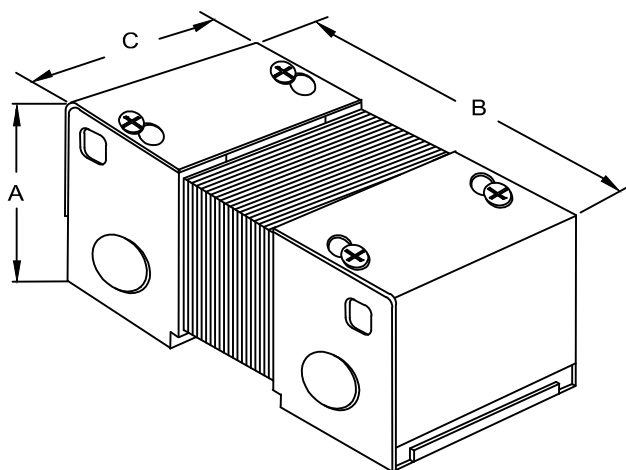
MODEL	MC500U
Type	Enclosed, Indoor application
VA	500
Primary (Volts)	600
Secondary (Volts)	240
Input / Output Amps	0.83 / 2.08
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

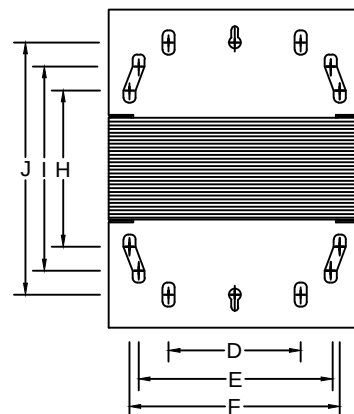
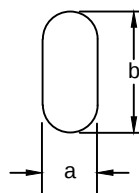


WIRING CONNECTION

PRIMARY :	
VOLTS 600	CONNECT LINES TO : H1-H2
SECONDARY :	
VOLTS 240	CONNECT LINES TO : X1-X2



LETTER	MOUNTING SLOTS INCHES / MM a b
V	0.30 x 0.560 7.6 x 14.2



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
500	4.70 119.4	6.63 168.4	5.25 133.4	2.75 69.9	4.00 101.6	4.38 111.3		3.25(V) 82.6	4.25(V) 108.0	5.25(V) 133.4				14.50 6.6



MARCUS

Marcus Transformer LTD
 Phone: 1-800-267-7376
 Fax: 1-866-205-7526
 Email: Info@marcustransformer.com

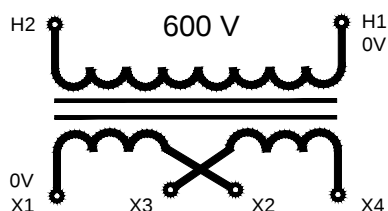
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

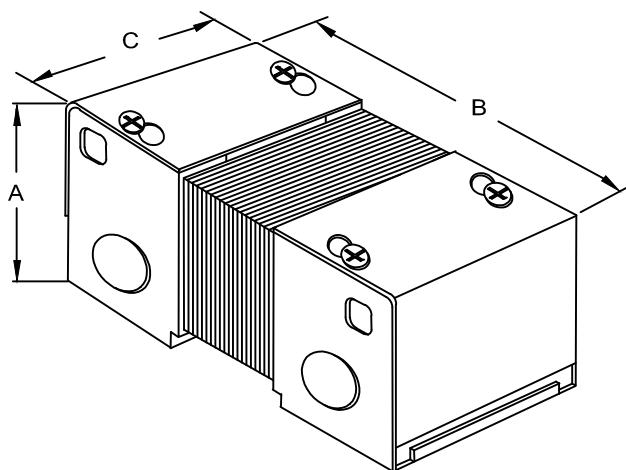
MODEL	MC500V
Type	Enclosed, Indoor application
VA	500
Primary (Volts)	600
Secondary (Volts)	120 / 240
Input / Output Amps	0.83 / 4.17 , 2.08
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

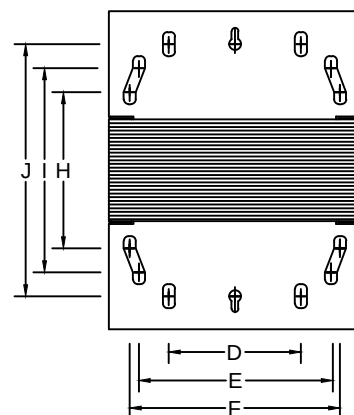
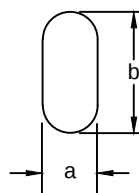


WIRING CONNECTION

PRIMARY :		
VOLTS 600	CONNECT LINES TO : H1-H2	
SECONDARY :		
VOLTS 120 240 120/240	INTERCONNECT: X1-X3 AND X2-X4 X2-X3 X2-X3	CONNECT LINES TO : X1-X4 X1-X4 X1-X3-X4



LETTER	MOUNTING SLOTS INCHES / MM a b
V	0.30 x 0.560 7.6 x 14.2



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
500	4.70 119.4	6.63 168.4	5.25 133.4	2.75 69.9	4.00 101.6	4.38 111.3		3.25(V) 82.6	4.25(V) 108.0	5.25(V) 133.4				14.50 6.6



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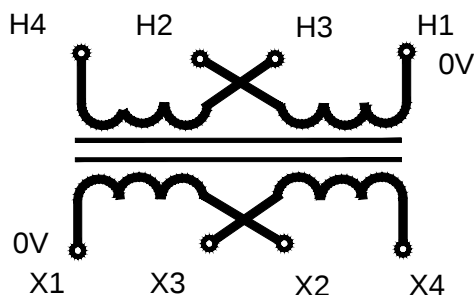
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

MODEL	MC500W
Type	Enclosed, Indoor application
VA	500
Primary (Volts)	120 / 240
Secondary (Volts)	120 / 240
Input / Output Amps	4.17, 2.08 / 4.17, 2.08
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM



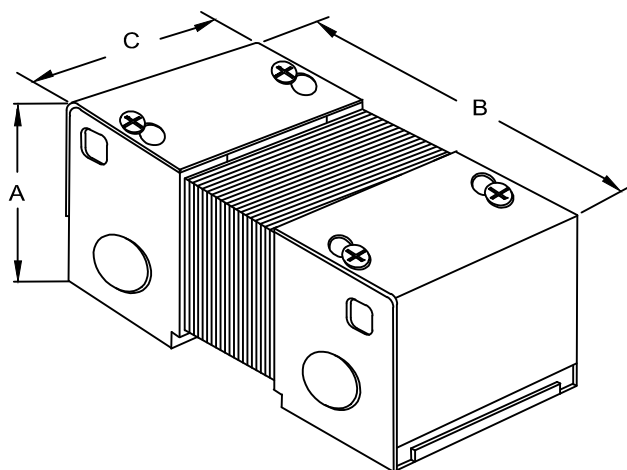
WIRING CONNECTION

PRIMARY :

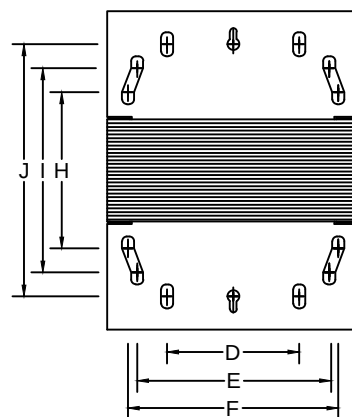
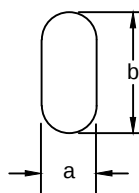
VOLTS	INTERCONNECT:	CONNECT LINES TO :
120	H1-H3 AND H2-H4	H1-H4
240	H2-H3	H1-H4

SECONDARY :

VOLTS	INTERCONNECT:	CONNECT LINES TO :
120	X1-X3 AND X2-X4	X1-X4
240	X2-X3	X1-X4



LETTER	MOUNTING SLOTS INCHES / MM a b
V	0.30 x 0.560 7.6 x 14.2



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
500	4.70 119.4	6.63 168.4	5.25 133.4	2.75 69.9	4.00 101.6	4.38 111.3		3.25(V) 82.6	4.25(V) 108.0	5.25(V) 133.4				14.50 6.6



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TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

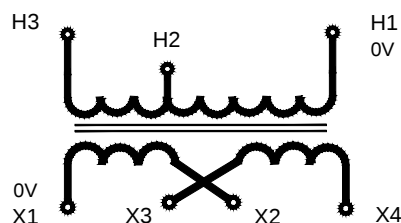
DESCRIPTION

MODEL	MC500X
Type	Enclosed, Indoor application
VA	500
Primary (Volts)	347 / 380
Secondary (Volts)	120 / 240
Input / Output Amps	1.44 , 1.32 / 4.17 , 2.08
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

Primary Tabs

Pos.	H1	H2	H3				
Volts	0V	347	380				

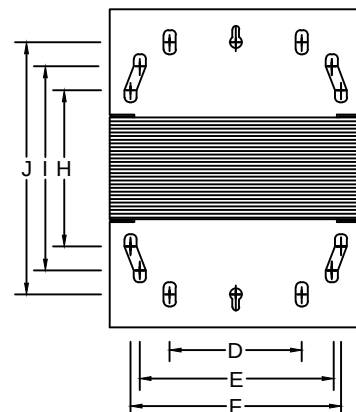
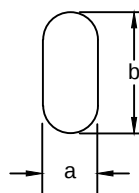
CONNECTION DIAGRAM



WIRING CONNECTION

PRIMARY :		
VOLTS 347 380	CONNECT LINES TO : H1-H2 H1-H3	
SECONDARY :		
VOLTS 120 240	INTERCONNECT: X1-X3 AND X2-X4 X2-X3	CONNECT LINES TO : X1-X4 X1-X4

LETTER	MOUNTING SLOTS INCHES / MM a b
V	0.30 x 0.560 7.6 x 14.2



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
500	4.70 119.4	6.63 168.4	5.25 133.4	2.75 69.9	4.00 101.6	4.38 111.3		3.25(V) 82.6	4.25(V) 108.0	5.25(V) 133.4				14.50 6.6



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TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

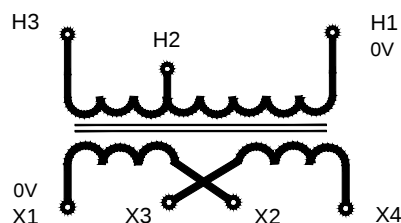
DESCRIPTION

MODEL	MC500Y
Type	Enclosed, Indoor application
VA	500
Primary (Volts)	347 / 380
Secondary (Volts)	12 / 24
Input / Output Amps	1.44 , 1.32 / 41.67 , 20.83
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

Primary Tabs

Pos.	H1	H2	H3				
Volts	0V	347	380				

CONNECTION DIAGRAM



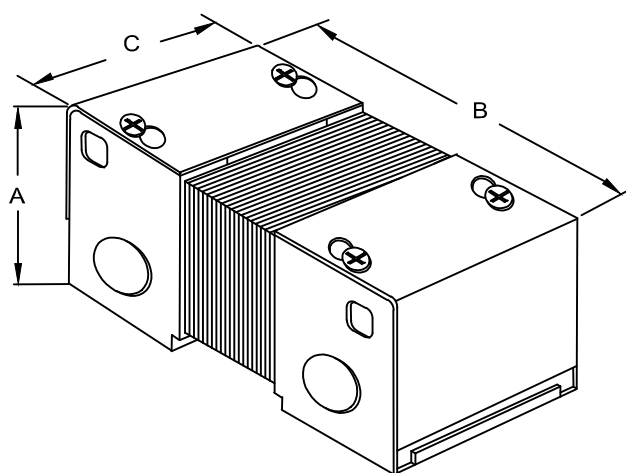
WIRING CONNECTION

PRIMARY :

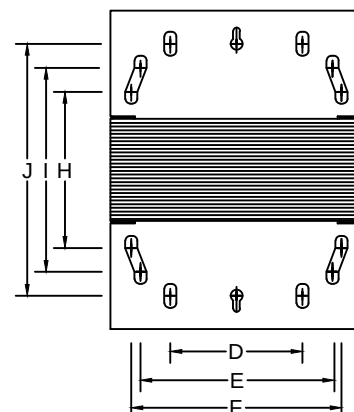
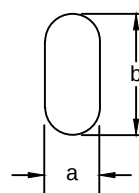
VOLTS	CONNECT LINES TO :
347	H1-H2
380	H1-H3

SECONDARY :

VOLTS	INTERCONNECT:	CONNECT LINES TO :
12	X1-X3 AND X2-X4	X1-X4
24	X2-X3	X1-X4



LETTER	MOUNTING SLOTS INCHES / MM a b
V	0.30 x 0.560 7.6 x 14.2



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
500	4.70 119.4	6.63 168.4	5.25 133.4	2.75 69.9	4.00 101.6	4.38 111.3		3.25(V) 82.6	4.25(V) 108.0	5.25(V) 133.4				14.50 6.6