



MARCUS

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

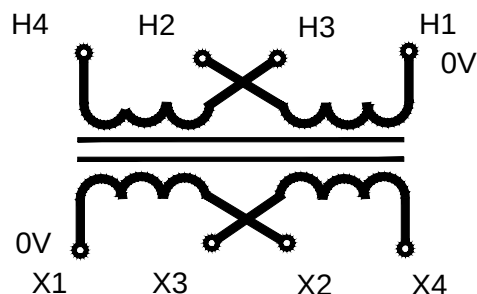
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

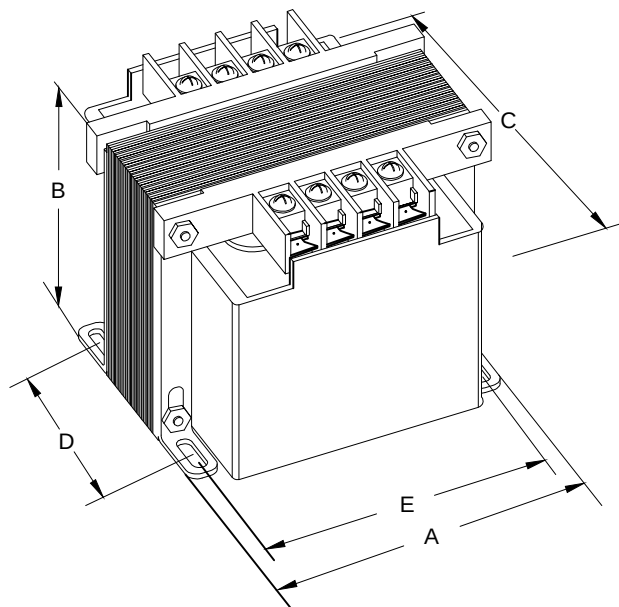
MODEL	MTS500A
Type	Open
VA	500
Primary (Volts)	120 / 240
Secondary (Volts)	120 / 240
Input /Output Amps	4.17 , 2.08 / 4.17 , 2.08
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

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



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
500	5.25 133.4	4.38 111.3	5.25 133.4	3.12 79.2	4.38 111.3	0.28 x 0.560 7.1 x 14.2	12.50 5.7

Notes:



MARCUS

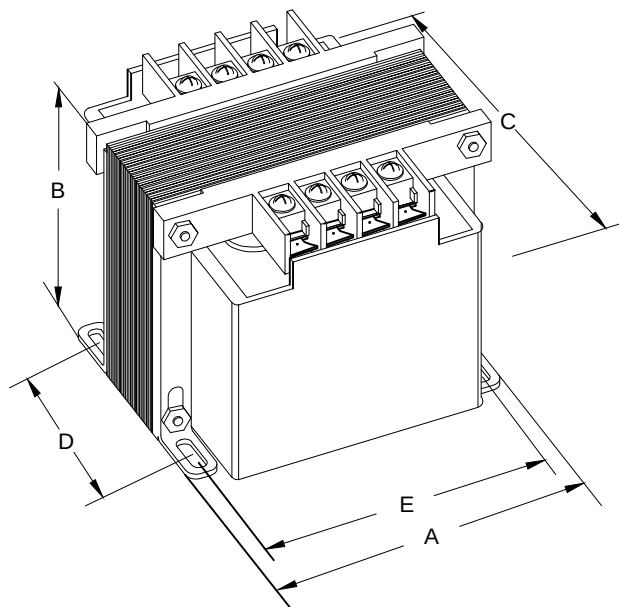
Marcus Transformer LTD
 Phone: 1-800-267-7376
 Fax: 1-866-205-7526
 Email: Info@marcustransformer.com

TECHNICAL DATA

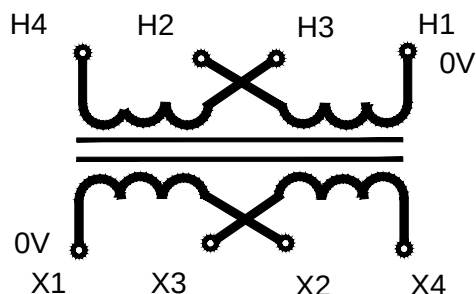
SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

MODEL	MTS500B
Type	Open
VA	500
Primary (Volts)	208 / 416
Secondary (Volts)	120 / 240
Input /Output Amps	2.40 , 1.20 / 4.17 , 2.08
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant 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 :
120	X1-X3 AND X2-X4	X1-X4
240	X2-X3	X1-X4

DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
500	5.25 133.4	4.38 111.3	5.25 133.4	3.12 79.2	4.38 111.3	0.28 x 0.560 7.1 x 14.2	12.50 5.7

Notes:



MARCUS

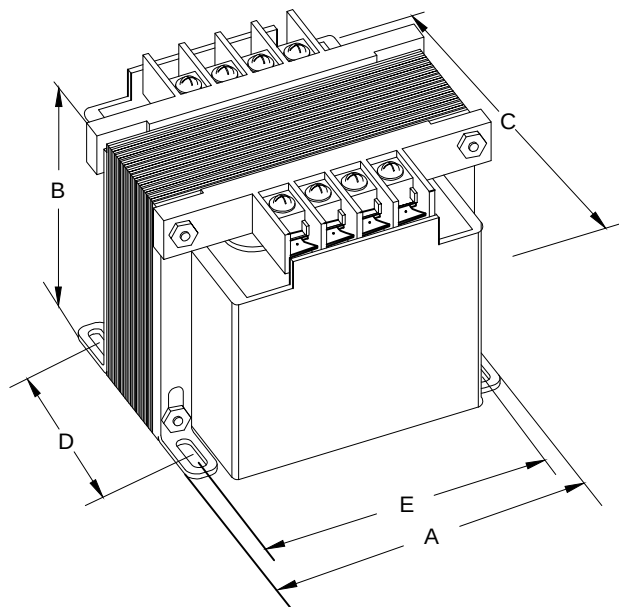
Marcus Transformer LTD
 Phone: 1-800-267-7376
 Fax: 1-866-205-7526
 Email: Info@marcustransformer.com

TECHNICAL DATA

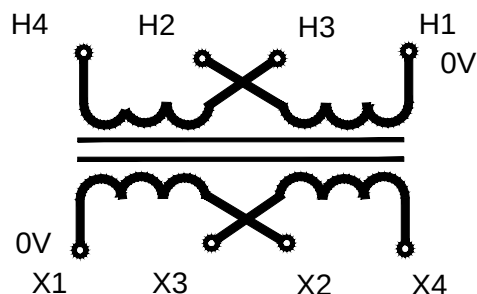
SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

MODEL	MTS500C
Type	Open
VA	500
Primary (Volts)	240 / 480
Secondary (Volts)	120 / 240
Input /Output Amps	2.08 , 1.04 / 4.17 , 2.08
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant 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	INTERCONNECT:	CONNECT LINES TO :
120	X1-X3 AND X2-X4	X1-X4
240	X2-X3	X1-X4

DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
500	5.25 133.4	4.38 111.3	5.25 133.4	3.12 79.2	4.38 111.3	0.28 x 0.560 7.1 x 14.2	12.50 5.7

Notes:



MARCUS

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

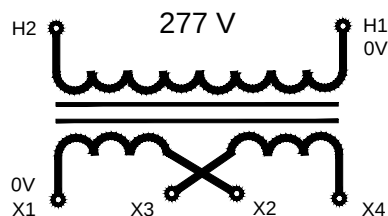
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

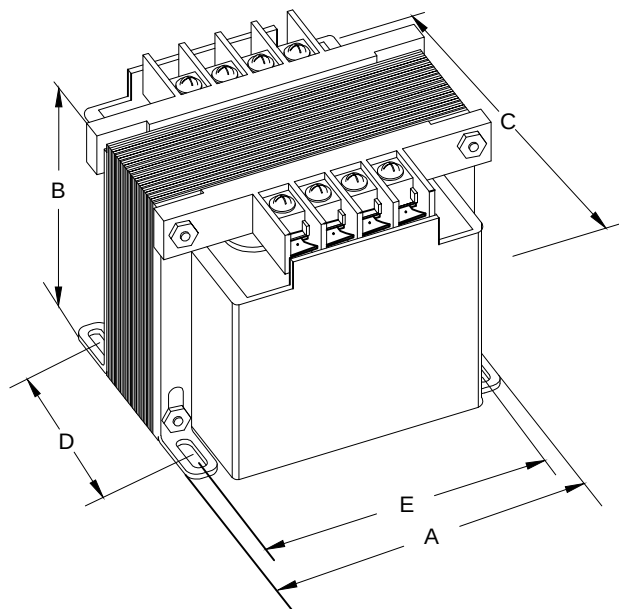
MODEL	MTS500D
Type	Open
VA	500
Primary (Volts)	277
Secondary (Volts)	120 / 240
Input /Output Amps	1.81 / 4.17 , 2.08
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

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



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
500	5.25 133.4	4.38 111.3	5.25 133.4	3.12 79.2	4.38 111.3	0.28 x 0.560 7.1 x 14.2	12.50 5.7

Notes:



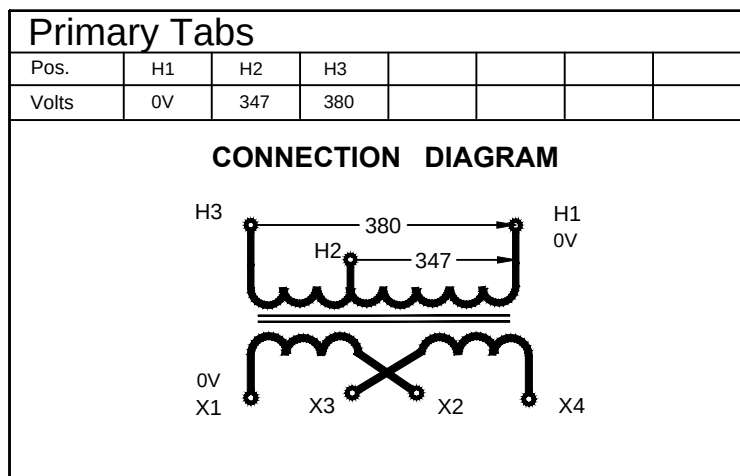
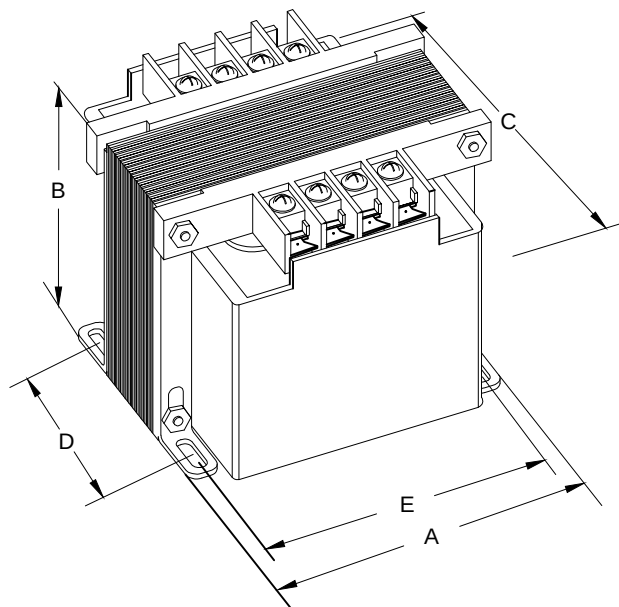
MARCUS

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	MTS500E
Type	Open
VA	500
Primary (Volts)	347 / 380
Secondary (Volts)	120 / 240
Input / Output Amps	1.44 , 1.32 / 4.17 , 2.08
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved



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

DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
500	5.25 133.4	4.38 111.3	5.25 133.4	3.12 79.2	4.38 111.3	0.28 x 0.560 7.1 x 14.2	12.50 5.7

Notes:



MARCUS

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

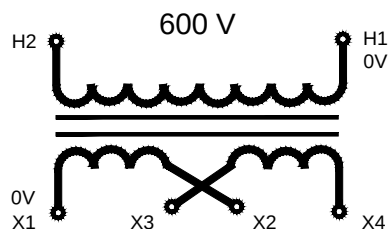
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

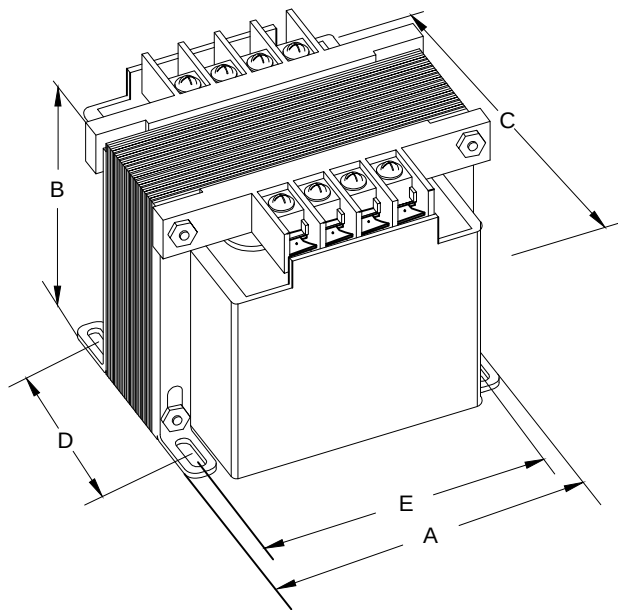
MODEL	MTS500F
Type	Open
VA	500
Primary (Volts)	600
Secondary (Volts)	120 / 240
Input /Output Amps	0.83 / 4.17 , 2.08
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

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



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
500	5.25 133.4	4.38 111.3	5.25 133.4	3.12 79.2	4.38 111.3	0.28 x 0.560 7.1 x 14.2	12.50 5.7

Notes:



MARCUS

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

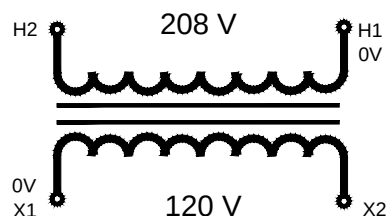
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

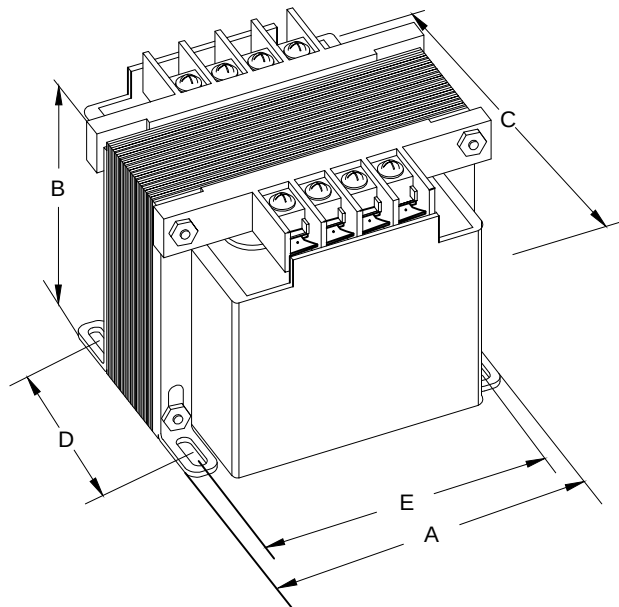
MODEL	MTS500G
Type	Open
VA	500
Primary (Volts)	208
Secondary (Volts)	120
Input /Output Amps	2.40 / 4.17
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

CONNECTION DIAGRAM



WIRING CONNECTION

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



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
500	5.25 133.4	4.38 111.3	5.25 133.4	3.12 79.2	4.38 111.3	0.28 x 0.560 7.1 x 14.2	12.50 5.7

Notes:



MARCUS

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

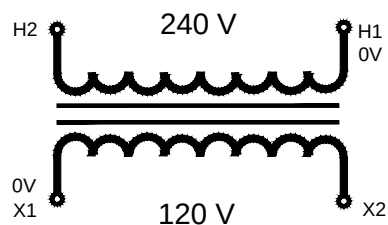
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

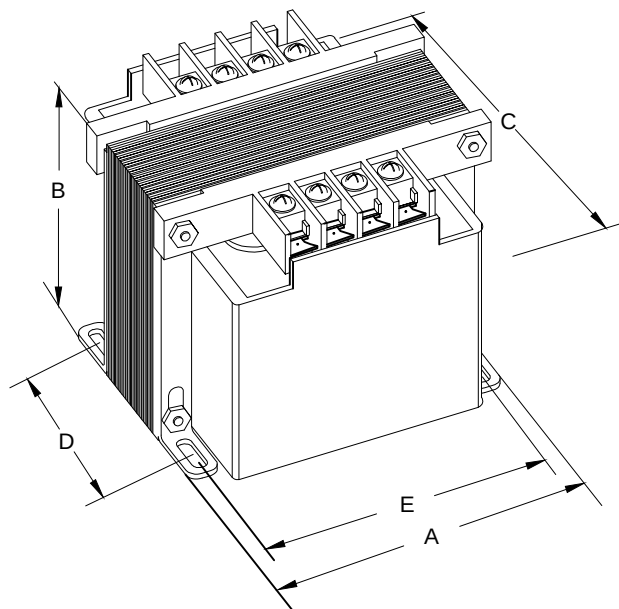
MODEL	MTS500H
Type	Open
VA	500
Primary (Volts)	240
Secondary (Volts)	120
Input /Output Amps	2.08 / 4.17
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

CONNECTION DIAGRAM



WIRING CONNECTION

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



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
500	5.25 133.4	4.38 111.3	5.25 133.4	3.12 79.2	4.38 111.3	0.28 x 0.560 7.1 x 14.2	12.50 5.7

Notes:



MARCUS

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

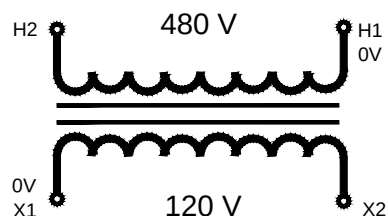
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

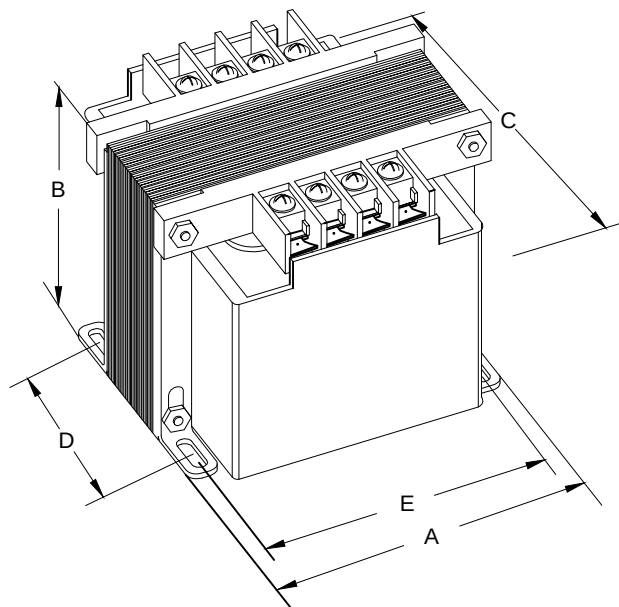
MODEL	MTS500I
Type	Open
VA	500
Primary (Volts)	480
Secondary (Volts)	120
Input /Output Amps	1.04 / 4.17
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

CONNECTION DIAGRAM



WIRING CONNECTION

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



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
500	5.25 133.4	4.38 111.3	5.25 133.4	3.12 79.2	4.38 111.3	0.28 x 0.560 7.1 x 14.2	12.50 5.7

Notes:



MARCUS

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

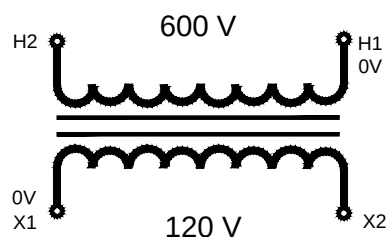
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

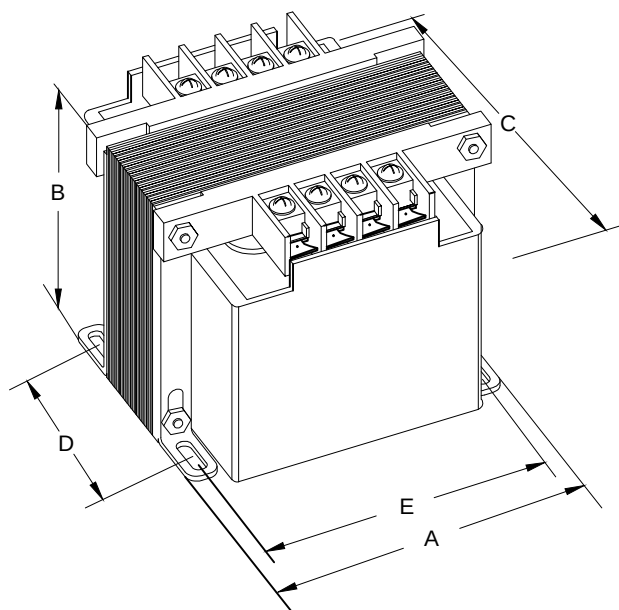
MODEL	MTS500J
Type	Open
VA	500
Primary (Volts)	600
Secondary (Volts)	120
Input /Output Amps	0.83 / 4.17
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

CONNECTION DIAGRAM



WIRING CONNECTION

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



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
500	5.25 133.4	4.38 111.3	5.25 133.4	3.12 79.2	4.38 111.3	0.28 x 0.560 7.1 x 14.2	12.50 5.7

Notes:



MARCUS

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

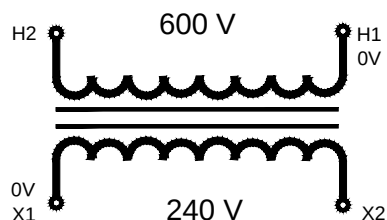
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

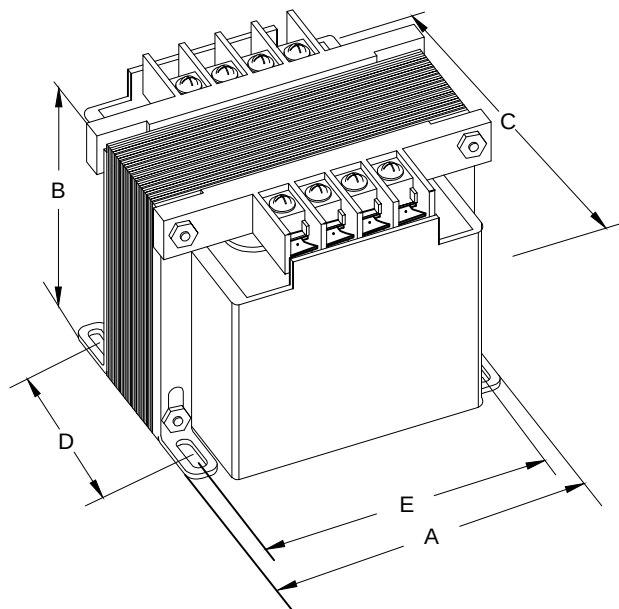
MODEL	MTS500K
Type	Open
VA	500
Primary (Volts)	600
Secondary (Volts)	240
Input /Output Amps	0.83 / 2.08
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

CONNECTION DIAGRAM



WIRING CONNECTION

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



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
500	5.25 133.4	4.38 111.3	5.25 133.4	3.12 79.2	4.38 111.3	0.28 x 0.560 7.1 x 14.2	12.50 5.7

Notes:



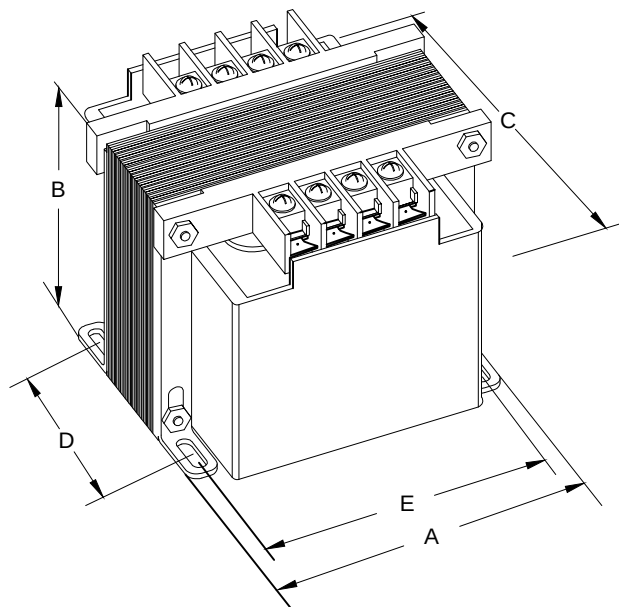
MARCUS

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

TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

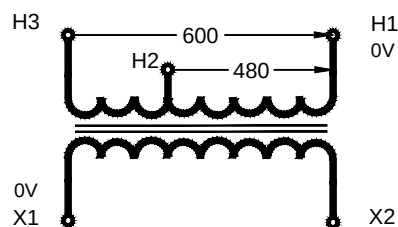
DESCRIPTION	
MODEL	MTS500L
Type	Open
VA	500
Primary (Volts)	480 / 600
Secondary (Volts)	120
Input /Output Amps	1.04 , 0.83 / 4.17
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved



Primary Tabs

Pos.	H1	H2	H3				
Volts	0V	480	600				

CONNECTION DIAGRAM



WIRING CONNECTION

PRIMARY :	
VOLTS	CONNECT LINES TO :
480	H1-H2
600	H1-H3
SECONDARY :	
VOLTS	CONNECT LINES TO :
120	X1-X2

DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
500	5.25 133.4	4.38 111.3	5.25 133.4	3.12 79.2	4.38 111.3	0.28 x 0.560 7.1 x 14.2	12.50 5.7

Notes:



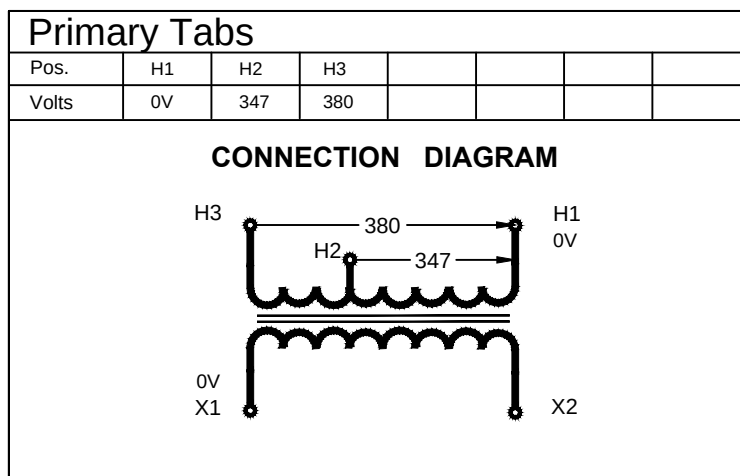
MARCUS

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

TECHNICAL DATA

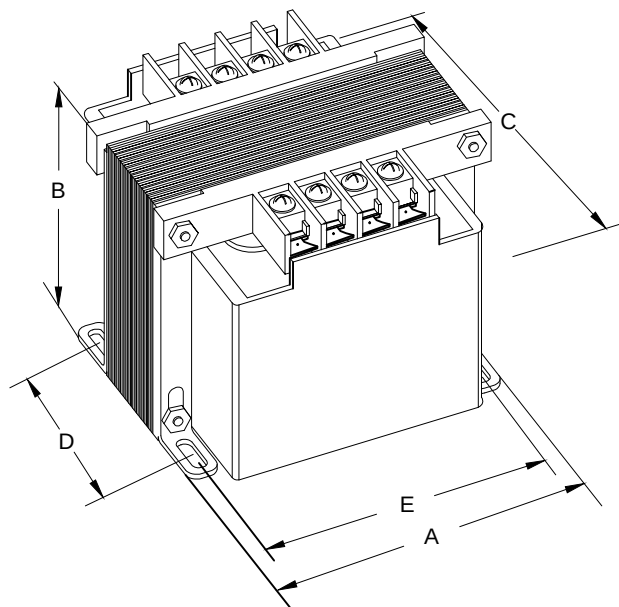
SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION	
MODEL	MTS500M
Type	Open
VA	500
Primary (Volts)	347 / 380
Secondary (Volts)	120
Input /Output Amps	1.44 , 1.32 / 4.17
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved



WIRING CONNECTION

PRIMARY :	
VOLTS	CONNECT LINES TO :
347	H1-H2
380	H1-H3
SECONDARY :	
VOLTS	CONNECT LINES TO :
120	X1-X2



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
500	5.25 133.4	4.38 111.3	5.25 133.4	3.12 79.2	4.38 111.3	0.28 x 0.560 7.1 x 14.2	12.50 5.7

Notes:



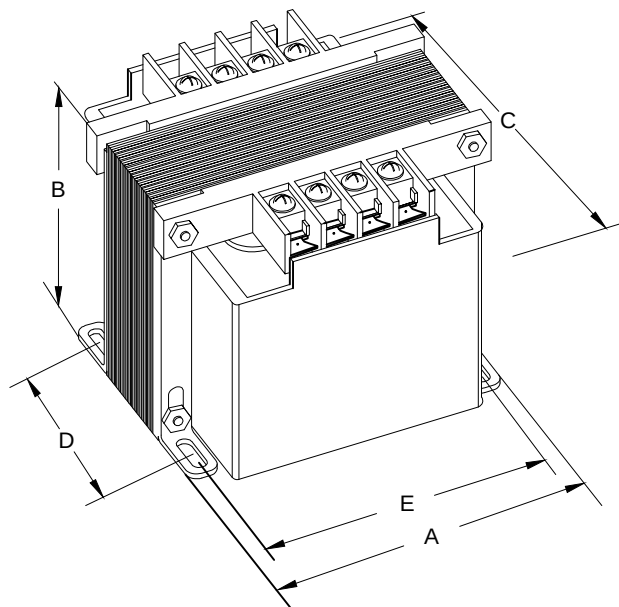
MARCUS

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

TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

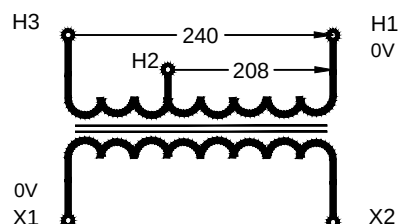
DESCRIPTION	
MODEL	MTS500N
Type	Open
VA	500
Primary (Volts)	208 / 240
Secondary (Volts)	120
Input /Output Amps	2.40 , 2.08 / 4.17
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved



Primary Tabs

Pos.	H1	H2	H3				
Volts	0V	208	240				

CONNECTION DIAGRAM



WIRING CONNECTION

PRIMARY :	
VOLTS	CONNECT LINES TO :
208	H1-H2
240	H1-H3
SECONDARY :	
VOLTS	CONNECT LINES TO :
120	X1-X2

DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
500	5.25 133.4	4.38 111.3	5.25 133.4	3.12 79.2	4.38 111.3	0.28 x 0.560 7.1 x 14.2	12.50 5.7

Notes:



MARCUS

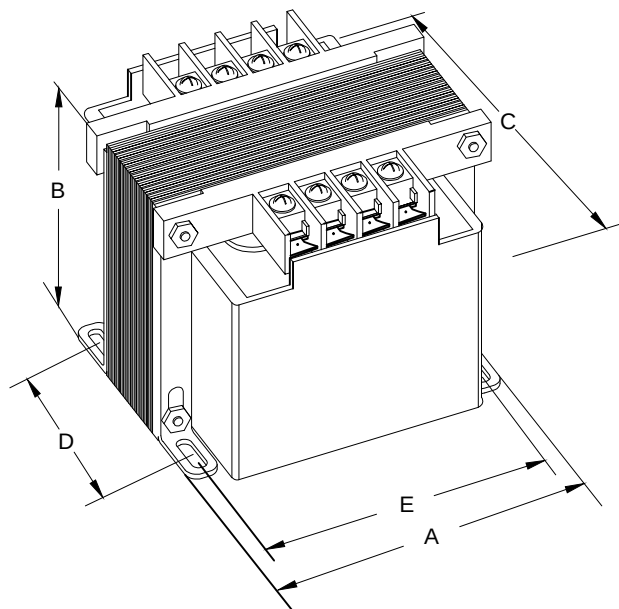
Marcus Transformer LTD
 Phone: 1-800-267-7376
 Fax: 1-866-205-7526
 Email: Info@marcustransformer.com

TECHNICAL DATA

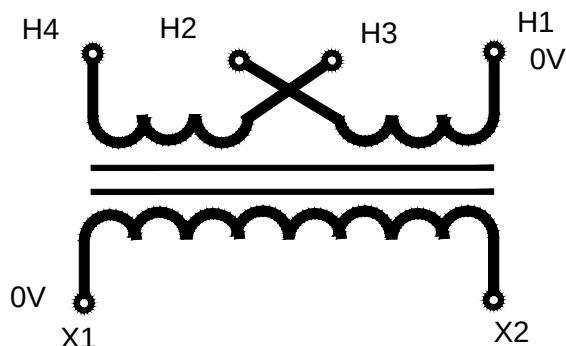
SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

MODEL	MTS5000
Type	Open
VA	500
Primary (Volts)	240 / 480
Secondary (Volts)	120
Input /Output Amps	2.08 , 1.04 / 4.17
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant 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 :	
120	X1-X2	

DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
500	5.25 133.4	4.38 111.3	5.25 133.4	3.12 79.2	4.38 111.3	0.28 x 0.560 7.1 x 14.2	12.50 5.7

Notes:



MARCUS

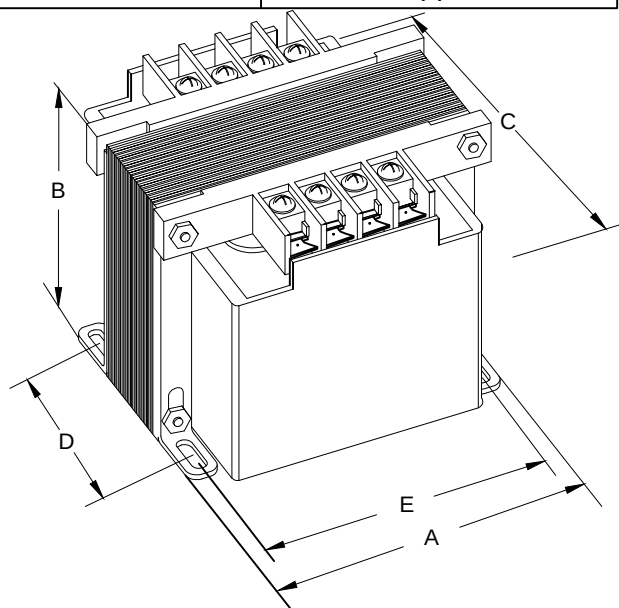
Marcus Transformer LTD
 Phone: 1-800-267-7376
 Fax: 1-866-205-7526
 Email: Info@marcustransformer.com

TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

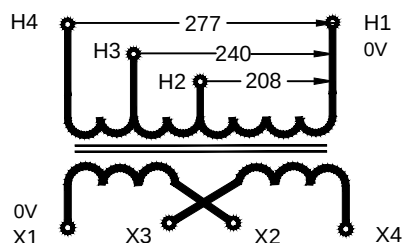
MODEL	MTS500P
Type	Open
VA	500
Primary (Volts)	208 / 240 / 277
Secondary (Volts)	120 / 240
Input Amps	2.40 / 2.08 / 1.81
Output Amps	4.17 / 2.08
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved



Primary Tabs

Pos.	H1	H2	H3	H4			
Volts	0V	208	240	277			

CONNECTION DIAGRAM



WIRING CONNECTION

PRIMARY :		
VOLTS	CONNECT LINES TO :	
208	H1-H2	
240	H1-H3	
277	H1-H4	
SECONDARY :		
VOLTS	INTERCONNECT:	CONNECT LINES TO :
120	X1-X3 AND X2-X4	X1-X4
240	X2-X3	X1-X4

DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
500	5.25 133.4	4.38 111.3	5.25 133.4	3.12 79.2	4.38 111.3	0.28 x 0.560 7.1 x 14.2	12.50 5.7

Notes:



MARCUS

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

TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

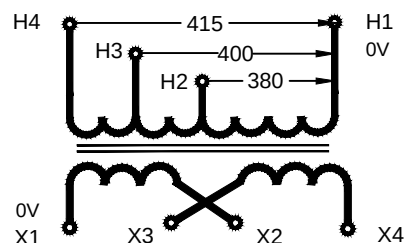
DESCRIPTION

MODEL	MTS500Q
Type	Open
VA	500
Primary (Volts)	380 / 400 / 415
Secondary (Volts)	120 / 240
Input Amps	1.32 / 1.25 / 1.21
Output Amps	4.17 / 2.08
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

Primary Tabs

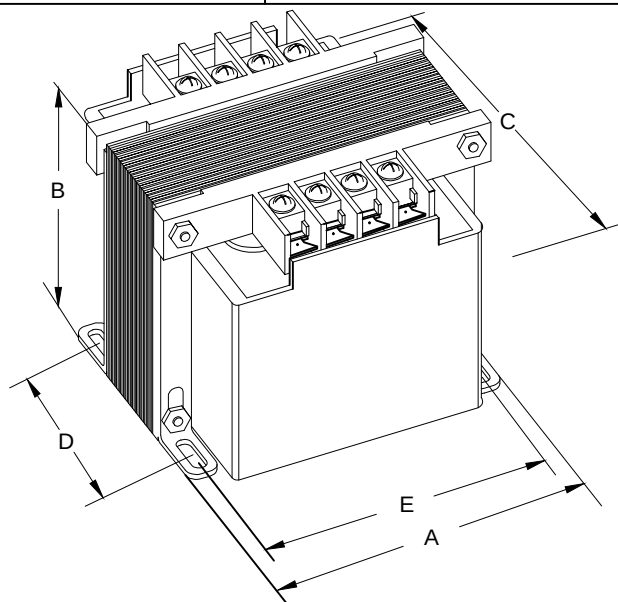
Pos.	H1	H2	H3	H4			
Volts	0V	380	400	415			

CONNECTION DIAGRAM



WIRING CONNECTION

PRIMARY :		
VOLTS	CONNECT LINES TO :	
380	H1-H2	
400	H1-H3	
415	H1-H4	
SECONDARY :		
VOLTS	INTERCONNECT:	CONNECT LINES TO :
120	X1-X3 AND X2-X4	X1-X4
240	X2-X3	X1-X4



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
500	5.25 133.4	4.38 111.3	5.25 133.4	3.12 79.2	4.38 111.3	0.28 x 0.560 7.1 x 14.2	12.50 5.7

Notes: