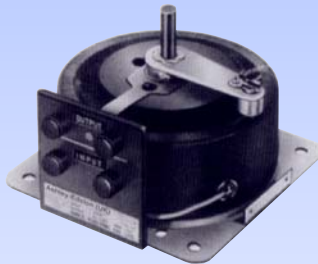


## Variable Transformers

Ashley-Edison's Variable Transformers offer a full range of single and three phase models. Standard models include input voltages from 120VAC to 600VAC and 3 to 500 Amps. Special units for voltages to 1000 VAC are available on order. They are categorized by their input voltage, output voltage and number of phases. If you do not find the transformer that meets your application requirements, please contact us with your detailed specifications.

Ashley-Edison's Variable Transformers are available in both Manual and Motor-driven options, Enclosed or Open type. They provide high current ratings, long life, superior overload capacity. Larger units comes with castor wheels for easy mobility. Protection and safety features incorporated where necessary for a safe and reliable operation.



Variable Transformers are widely used when adjustable voltages are required for quality control testing, electronic equipment burn-in, life-tests, low voltage performance evaluation, D.C. rectifier/regulator analysis or other industrial and engineering applications.

### **Applications**

Test Benches / Lighting Dimmer / High Voltage Test Sets  
Furnace Transformer / D.C. rectifier

## Variable Transformers

### Technical Specifications

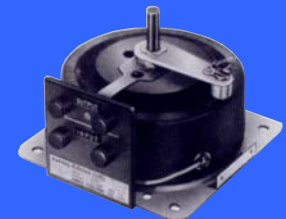
<b>Input Voltage</b>	+ 6% of nominal i.e. 240V models are continuous rated at 254V	<b>Surge ratings</b>	10 x max current rating for 1 second 3 x max current rating for 60 seconds 2 x max current rating for 5 minutes
<b>Output Voltage</b>	Continuously variable from 0 – 117% of input voltage	<b>Total Harmonic Distortion</b>	<1%
<b>Frequency</b>	50/60 Hz	<b>Environment</b>	Temperature range –15 to 45 °C Derate by 2% for each additional °C Up to max 60 °C . Suitable for indoor tropical use 95% RH (non-condensing).
<b>Efficiency</b>	98%	<b>Warranty</b>	One Year
<b>Power Factor</b>	Any	<b>Note:</b>	Special voltage configurations available on order

### Single Phase : 220/240V 50/60 Hz

Model:	Current Amps	Kva at max. output volts	Output volts @ 240V	Dimensions mm (WxDxH)	Weight kgs
AE – 203-H-B	3	0.84	0 – 280V	164 x 164 x 125	5.3
AE – 205-H-B	5	1.4	0 – 280V	164 x 164 x 125	6.5
AE – 210-H-B	10	2.8	0 – 280V	215 x 215 x 125	11
AE – 215-H-B	15	4.2	0 – 280V	215 x 215 x 125	13
AE – 220-H-B	20	5.6	0 – 280V	300 x 300 x 145	20
AE – 225-H-B	25	7.0	0 – 280V	300 x 300 x 145	21
AE – 230-H-B	30	8.4	0 – 280V	300 x 300 x 185	24
AE – 235-H-B	35	9.8	0 – 280V	300 x 300 x 185	30
AE – 240-H-B	40	11.2	0 – 280V	370 x 370 x 220	37
AE – 2252-H-B	50	14.0	0 – 280V	300 x 300 x 240	43
AE – 2302-H-B	60	16.8	0 – 280V	300 x 300 x 320	65
AE – 2402-H-B	80	22.4	0 – 280V	370 x 370 x 620	75



AE-203 ~ AE-215  
AE-103 ~ AE-125



Open Type

AE-203-H-O ~ AE-215-H-O  
AE-103-L-O ~ AE-125-L-O



AE-220 ~ AE-240  
AE-130 ~ AE-140

### Single Phase : 110/120V 50/60 Hz

Model:	Current Amps	Kva at max. output volts	Output volts @ 120V	Dimensions mm (WxDxH)	Weight kgs
AE – 103-L-B	3	0.42	0 – 140V	164 x 164 x 125	4.5
AE – 105-L-B	5	0.7	0 – 140V	164 x 164 x 125	5
AE – 110-L-B	10	1.4	0 – 140V	164 x 164 x 125	6.5
AE – 115-L-B	15	2.1	0 – 140V	215 x 215 x 125	10
AE – 120-L-B	20	2.8	0 – 140V	215 x 215 x 125	11
AE – 125-L-B	25	3.5	0 – 140V	215 x 215 x 125	13
AE – 130-L-B	30	4.2	0 – 140V	300 x 300 x 145	22
AE – 135-L-B	35	4.9	0 – 140V	300 x 300 x 185	25
AE – 140-L-B	40	5.6	0 – 140V	300 x 300 x 185	27
AE – 1252-L-B	50	7.0	0 – 140V	215 x 215 x 200	28
AE – 1302-L-B	60	8.4	0 – 140V	300 x 300 x 240	45
AE – 1402-L-B	80	11.2	0 – 140V	300 x 300 x 320	55

### Variable Transformers

#### Technical Specifications

<b>Input Voltage</b>	+ 6% of nominal i.e. 415V models are continuous rated at 439V
<b>Output Voltage</b>	Continuously variable from 0 – 117% of input voltage
<b>Frequency</b>	50/60 Hz
<b>Efficiency</b>	98%
<b>Power Factor</b>	Any
<b>Surge ratings</b>	10 x max current rating for 1 second 3 x max current rating for 60 seconds 2 x max current rating for 5 minutes
<b>Total Harmonic Distortion</b>	<1%
<b>Environment</b>	Temperature range –15 to 45 °C Derate by 2% for each additional °C Up to max 60 °C . Suitable for indoor tropical use 95% RH (non-condensing)
<b>Warranty</b>	One Year
<b>Note</b>	Special voltage configurations available on order



#### Three Phase : 380/415V 50/60 Hz

Model:	Current Amps	Kva at max. output volts	Output volts @ 415V	Dimensions mm (WxDxH)	Weight kgs
AE – 3203H-B	3	2.5	0 – 485V	164 x 164 x 390	18
AE – 3205H-B	5	4.2	0 – 485V	164 x 164 x 390	20
AE – 3210H-B	10	8.4	0 – 485V	215 x 215 x 390	30
AE – 3215H-B	15	12.6	0 – 485V	240 x 240 x 480	38
AE – 3220H-B	20	16.8	0 – 485V	300 x 300 x 500	54
AE – 3225H-B	25	21	0 – 485V	300 x 300 x 500	68
AE – 3230H-B	30	25	0 – 485V	300 x 300 x 620	75
AE – 3235H-B	35	29	0 – 485V	300 x 300 x 620	90
AE – 3240H-B	40	34	0 – 485V	370 x 370 x 620	95

#### Three Phase : 190/208V 50/60 Hz

Model:	Current Amps	Kva at max. output volts	Output volts @ 208V	Dimensions mm (WxDxH)	Weight kgs
AE – 3103L-B	3	1.25	0 – 242V	164 x 164 x 390	15
AE – 3105L-B	5	2.1	0 – 242V	164 x 164 x 390	16
AE – 3110L-B	10	4.2	0 – 242V	164 x 164 x 390	20
AE – 3115L-B	15	6.3	0 – 242V	215 x 215 x 410	30
AE – 3120L-B	20	8.4	0 – 242V	240 x 240 x 480	37
AE – 3125L-B	25	11	0 – 242V	300 x 300 x 500	53
AE – 3130L-B	30	13	0 – 242V	300 x 300 x 500	68
AE – 3135L-B	35	15	0 – 242V	300 x 300 x 620	72
AE – 3135L-B	40	17	0 – 242V	300 x 300 x 620	78

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### Motorised Variable Transformers

#### Technical Specifications

<b>Input Voltage</b>	+ 6% of nominal i.e. 415V models are continuous rated at 439V
<b>Output Voltage</b>	Continuously variable from 0 – 117% of input voltage
<b>Frequency</b>	50/60 Hz
<b>Efficiency</b>	98%
<b>Power Factor</b>	Any
<b>Surge ratings</b>	10 x max current rating for 1 second 3 x max current rating for 60 seconds 2 x max current rating for 5 minutes
<b>Total Harmonic Distortion</b>	<1%

<b>Environment</b>	Temperature range –15 to 45 °C Derate by 2% for each additional °C Up to max 60 °C . Suitable for indoor tropical use 95% RH (non-condensing).
<b>Warranty</b>	One Year
<b>Standard Feature</b>	Input Circuit Breaker Output Terminal Block Indicator Lamp Digital Voltmeter/Ammeter Up/Down Push Button Caster Wheel Cooling Fan
<b>Optional</b>	Output Circuit Breaker Input Voltage Stabiliser Output Industrial Socket

#### Three Phase : 380/415V 50/60 Hz

Model:	Current Amps	Kva at max. output volts	Output volts @ 415V
MAE – 3203H-B-DM-CB	3	2.5	0 – 485V
MAE – 3205H-B-DM-CB	5	4.2	0 – 485V
MAE – 3210H-B-DM-CB	10	8.4	0 – 485V
MAE – 3215H-B-DM-CB	15	12.6	0 – 485V
MAE – 3220H-B-DM-CB	20	16.8	0 – 485V
MAE – 3225H-B-DM-CB	25	21	0 – 485V
MAE – 3230H-B-DM-CB	30	25	0 – 485V
MAE – 3235H-B-DM-CB	35	29	0 – 485V
MAE – 3240H-B-DM-CB	40	34	0 – 485V
MAE – 32252H-B-DM-CB	50	42	0 – 485V
MAE – 32302H-B-DM-CB	60	50	0 – 485V
MAE – 32402H-B-DM-CB	80	67	0 – 485V
MAE – 32353H-B-DM-CB	105	88	0 – 485V
MAE – 32403H-B-DM-CB	120	100	0 – 485V

Note: Optional accessories added may affect dimension, subject to confirmation.

Note: 1) Special voltage configurations available on order  
2) Higher KVA rating options available on order

#### Three Phase : 190/208V 50/60 Hz

Model:	Current Amps	Kva at max. output volts	Output volts @ 208V
MAE – 3103L-B-DM-CB	3	1	0 – 242V
MAE – 3105L-B-DM-CB	5	2	0 – 242V
MAE – 3110L-B-DM-CB	10	4	0 – 242V
MAE – 3115L-B-DM-CB	15	6	0 – 242V
MAE – 3120L-B-DM-CB	20	9	0 – 242V
MAE – 3125L-B-DM-CB	25	11	0 – 242V
MAE – 3130L-B-DM-CB	30	13	0 – 242V
MAE – 3135L-B-DM-CB	35	15	0 – 242V
MAE – 3140L-B-DM-CB	40	17	0 – 242V
MAE – 31252L-B-DM-CB	50	21	0 – 242V
MAE – 31302L-B-DM-CB	60	25	0 – 242V
MAE – 31352L-B-DM-CB	70	29	0 – 242V
MAE – 31402L-B-DM-CB	80	34	0 – 242V
MAE – 31353L-B-DM-CB	105	44	0 – 242V
MAE – 31403L-B-DM-CB	120	50	0 – 242V

